

The Skeptic Zone
Show 401 - 26 June 2016



Michelle Franklin

1
00:00:21,909 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:28,069 --> 00:00:24,709
hello and welcome to the skeptics our

3
00:00:31,369 --> 00:00:28,079
own episode number 401 for the twenty

4
00:00:34,130 --> 00:00:31,379
sixth of June 2016 Richard Saunders here

5
00:00:36,020 --> 00:00:34,140
with you from a very chilly coldest day

6
00:00:39,079 --> 00:00:36,030
of the year according to the reports a

7
00:00:41,149 --> 00:00:39,089
very chilly Sydney Australia what an

8
00:00:43,389 --> 00:00:41,159
interesting week I've had my friends

9
00:00:46,090 --> 00:00:43,399
what an interesting week I had i sat in

10
00:00:48,799 --> 00:00:46,100
sort of helping out to produce the first

11
00:00:50,270 --> 00:00:48,809
recording of a new podcast and I don't

12
00:00:53,060 --> 00:00:50,280
know what it's called yet mainly because

13
00:00:57,109 --> 00:00:53,070

it hasn't got a name and hosted by my

14

00:01:00,350 --> 00:00:57,119

sisters good on him I can't wait to tell

15

00:01:02,149 --> 00:01:00,360

you more about my sister's podcast and

16

00:01:06,140 --> 00:01:02,159

more or less I think they're going to be

17

00:01:07,550 --> 00:01:06,150

interviewing local women of Note and i'm

18

00:01:09,740 --> 00:01:07,560

sure you'll forgive me when the time

19

00:01:12,770 --> 00:01:09,750

comes that I give that podcast a little

20

00:01:14,690 --> 00:01:12,780

bit of a publicity coming up on the

21

00:01:16,850 --> 00:01:14,700

skeptic zone this week what do we have

22

00:01:18,859 --> 00:01:16,860

for you we have an interview with

23

00:01:21,020 --> 00:01:18,869

Michelle Franklin from the Dow and

24

00:01:23,030 --> 00:01:21,030

skeptics now we spoke to Michelle last

25

00:01:26,060 --> 00:01:23,040

year we're going to catch up with her

26
00:01:29,780 --> 00:01:26,070
see how the group is going and discuss

27
00:01:32,510 --> 00:01:29,790
her recent appearance on radio and I was

28
00:01:34,820 --> 00:01:32,520
delighted that the radio whenever

29
00:01:37,520 --> 00:01:34,830
possible contact local skeptical groups

30
00:01:40,430 --> 00:01:37,530
to ask them about triggered legal topics

31
00:01:42,170 --> 00:01:40,440
and this one is a perennial one up in

32
00:01:44,480 --> 00:01:42,180
the Northern Territory up and down to

33
00:01:48,649 --> 00:01:44,490
the top end of Australia all about a

34
00:01:51,830 --> 00:01:48,659
poltergeist or at least the claims of a

35
00:01:54,800 --> 00:01:51,840
poltergeist poltergeist activity spooky

36
00:01:57,620 --> 00:01:54,810
goings on and will also play a little

37
00:01:59,359 --> 00:01:57,630
clip of Michelle on the radio and I well

38
00:02:01,550 --> 00:01:59,369

done Michele I was very pleased to hear

39

00:02:04,609 --> 00:02:01,560

that coming up after that we have an

40

00:02:07,370 --> 00:02:04,619

interview conducted by Heidi Robertson

41

00:02:10,190 --> 00:02:07,380

the raw skeptic from the Northern Rivers

42

00:02:12,530 --> 00:02:10,200

vaccination supporters Heidi is going to

43

00:02:15,140 --> 00:02:12,540

be speaking to Tracy a member of the

44

00:02:17,059 --> 00:02:15,150

facebook group sub the avian sub the

45

00:02:19,160 --> 00:02:17,069

Australian vaccination network or stop

46

00:02:21,320 --> 00:02:19,170

the Australian vaccination skeptics

47

00:02:23,720 --> 00:02:21,330

networker gets a bit confusing with all

48

00:02:26,209 --> 00:02:23,730

these letters flying around but what

49

00:02:29,050 --> 00:02:26,219

this interview will demonstrate to you

50

00:02:33,450 --> 00:02:29,060

clearly is how a Facebook group of

51
00:02:36,540 --> 00:02:33,460
concerned citizens can really read

52
00:02:40,500 --> 00:02:36,550
Ely and I mean really make a difference

53
00:02:43,310 --> 00:02:40,510
Tracy will explain the impact this

54
00:02:46,380 --> 00:02:43,320
Facebook group has had on the

55
00:02:48,690 --> 00:02:46,390
anti-vaccination crowd an inspiration

56
00:02:51,150 --> 00:02:48,700
and a lesson for us all I think and

57
00:02:54,270 --> 00:02:51,160
following that a look at Carl Sagan's

58
00:02:56,550 --> 00:02:54,280
baloney detection kit now you may have

59
00:02:59,580 --> 00:02:56,560
heard about this the baloney detection

60
00:03:02,160 --> 00:02:59,590
kit well I'll read out some of the

61
00:03:04,620 --> 00:03:02,170
points Carl Sagan was making to do with

62
00:03:07,290 --> 00:03:04,630
this baloney detection kit I like that

63
00:03:09,180 --> 00:03:07,300

one baloney then to round off the show

64

00:03:10,860 --> 00:03:09,190

guests reporter Kevin Davies from

65

00:03:12,630 --> 00:03:10,870

Canberra and the Australian Capital

66

00:03:14,490 --> 00:03:12,640

Territory we're going from one

67

00:03:18,390 --> 00:03:14,500

Australian territory to another this

68

00:03:20,940 --> 00:03:18,400

episode he will interview dr. will grant

69

00:03:22,410 --> 00:03:20,950

from the center for the public awareness

70

00:03:25,800 --> 00:03:22,420

of science at the Australian National

71

00:03:27,540 --> 00:03:25,810

University oh I wish I could just jump

72

00:03:30,030 --> 00:03:27,550

on the next plane and fly down to visit

73

00:03:31,680 --> 00:03:30,040

some of these talks now I'm very pleased

74

00:03:35,640 --> 00:03:31,690

to announce that the skeptic zone has

75

00:03:37,470 --> 00:03:35,650

now a patreon account if you want to

76

00:03:40,200 --> 00:03:37,480

contribute to the skeptic zone if you

77

00:03:44,880 --> 00:03:40,210

feel like you enjoy the show and you

78

00:03:47,010 --> 00:03:44,890

want to show your support visit [www V](#)

79

00:03:49,920 --> 00:03:47,020

the link is right up the top and you can

80

00:03:53,670 --> 00:03:49,930

be a patreon member and there are some

81

00:03:55,560 --> 00:03:53,680

rewards oh yes oh yes if you contribute

82

00:03:57,510 --> 00:03:55,570

a certain amount a month over a certain

83

00:04:00,270 --> 00:03:57,520

amount of month i will send you some

84

00:04:02,550 --> 00:04:00,280

goodies some lovely things autograph

85

00:04:04,620 --> 00:04:02,560

things by James Randi and some other

86

00:04:07,710 --> 00:04:04,630

bits and pieces have a look go to

87

00:04:09,810 --> 00:04:07,720

skeptics on TV click the link for being

88

00:04:12,780 --> 00:04:09,820

a patron every cent that you send in

89

00:04:15,810 --> 00:04:12,790

help support the skeptic zone and keeps

90

00:04:17,970 --> 00:04:15,820

it on air or on the internet and in fact

91

00:04:20,460 --> 00:04:17,980

it of course as you know it's only due

92

00:04:22,970 --> 00:04:20,470

to people like you who already chip in

93

00:04:27,000 --> 00:04:22,980

by paypal micropayments that the show

94

00:04:29,310 --> 00:04:27,010

exists at all now it was interesting of

95

00:04:33,000 --> 00:04:29,320

course the see the news the last few

96

00:04:38,190 --> 00:04:33,010

days of the brexit yeah britain deciding

97

00:04:40,890 --> 00:04:38,200

to leave the EU a result I don't think

98

00:04:42,780 --> 00:04:40,900

many people were predicting at all and

99

00:04:45,000 --> 00:04:42,790

this for shadows of story i'll be

100

00:04:46,030 --> 00:04:45,010

covering probably towards the end of the

101
00:04:51,790 --> 00:04:46,040
year

102
00:04:54,640 --> 00:04:51,800
collect the magazine from the psychics

103
00:04:56,910 --> 00:04:54,650
in Australia which which lists the top

104
00:05:01,930 --> 00:04:56,920
prediction for the coming year by

105
00:05:05,340 --> 00:05:01,940
Australia's top psychics hmm and just

106
00:05:09,610 --> 00:05:05,350
perusing it before with the news of this

107
00:05:11,500 --> 00:05:09,620
split in the EU and the terrible gun

108
00:05:14,140 --> 00:05:11,510
massacre in the United States a few

109
00:05:16,150 --> 00:05:14,150
weeks back oddly enough there neither of

110
00:05:18,400 --> 00:05:16,160
those get a mention can't explain that

111
00:05:21,490 --> 00:05:18,410
well yes I can but we'll get to that

112
00:05:23,470 --> 00:05:21,500
later in the year so far over the last

113
00:05:26,500 --> 00:05:23,480

ten years of me collecting this magazine

114

00:05:29,200 --> 00:05:26,510

and collating their predictions and

115

00:05:32,710 --> 00:05:29,210

analyzing them my estimate so far as

116

00:05:34,660 --> 00:05:32,720

they get about ninety-five percent wrong

117

00:05:37,350 --> 00:05:34,670

well that's enough of me at the moment

118

00:05:41,620 --> 00:05:37,360

I'm gonna run downstairs and have a

119

00:05:43,360 --> 00:05:41,630

bologna sandwich why not with a bit of

120

00:06:07,730 --> 00:05:43,370

mustard well I'm doing that I hope you

121

00:06:12,420 --> 00:06:10,439

joining me now all the way from Darwin

122

00:06:14,489 --> 00:06:12,430

in the Northern Territory right up there

123

00:06:16,079 --> 00:06:14,499

I think it's in the tropics or very

124

00:06:17,760 --> 00:06:16,089

close to the tropics I'm sure Michelle

125

00:06:21,089 --> 00:06:17,770

Franklin can tell me it's Michelle hello

126

00:06:23,549 --> 00:06:21,099

hi hey you going really well is Darwin

127

00:06:27,749 --> 00:06:23,559

actually in the tropics there's a debate

128

00:06:30,809 --> 00:06:27,759

on that oh really the official like the

129

00:06:34,499 --> 00:06:30,819

line of Capricorn that that says north

130

00:06:37,769 --> 00:06:34,509

of here is tropical is south of us so we

131

00:06:39,839 --> 00:06:37,779

are above the tropical line but I also

132

00:06:42,929 --> 00:06:39,849

read a definition that anywhere that

133

00:06:45,510 --> 00:06:42,939

gets below 20 degrees ever is

134

00:06:47,809 --> 00:06:45,520

subtropical and occasionally on a really

135

00:06:50,249 --> 00:06:47,819

cold night we will drop below 20 oh

136

00:06:52,260 --> 00:06:50,259

really cold doesn't happen very often

137

00:06:54,689 --> 00:06:52,270

works in the last two or three days have

138

00:06:58,709 --> 00:06:54,699

dropped below 20 overnight so it's been

139

00:07:01,499 --> 00:06:58,719

pretty cold by our standards mmm down of

140

00:07:04,259 --> 00:07:01,509

course named after Charles Darwin which

141

00:07:06,959 --> 00:07:04,269

is a interesting because as a complete

142

00:07:09,029 --> 00:07:06,969

sidetrack to why we're actually chatting

143

00:07:10,529 --> 00:07:09,039

today I remember and for the benefit of

144

00:07:12,299 --> 00:07:10,539

those listeners around the world who may

145

00:07:16,350 --> 00:07:12,309

not know this because it was a long time

146

00:07:18,929 --> 00:07:16,360

ago Christmas Eve I think 1974 a big

147

00:07:21,809 --> 00:07:18,939

cyclone came through and just devastated

148

00:07:24,420 --> 00:07:21,819

Darwin and there was talk at the time I

149

00:07:25,949 --> 00:07:24,430

seem to remember since that it was that

150

00:07:28,170 --> 00:07:25,959

was because the city was named after

151
00:07:31,439 --> 00:07:28,180
Charles Darwin and God was showing his

152
00:07:35,189 --> 00:07:31,449
displeasure oh okay have you heard

153
00:07:37,230 --> 00:07:35,199
that's ahead yeah they hey you go anyway

154
00:07:39,749 --> 00:07:37,240
we haven't spoken for a while the last

155
00:07:42,540 --> 00:07:39,759
time you're on the skeptic zone was the

156
00:07:44,610 --> 00:07:42,550
30th of August last year when the Darwin

157
00:07:47,489 --> 00:07:44,620
skeptics were sort of getting going how

158
00:07:49,649 --> 00:07:47,499
are the Darwin skeptics doing we're

159
00:07:51,959 --> 00:07:49,659
still getting going we've we've had a

160
00:07:54,299 --> 00:07:51,969
fair bit of activity on the facebook

161
00:07:57,839 --> 00:07:54,309
group which has been good we've got 91

162
00:07:59,219 --> 00:07:57,849
members on facebook now I think more

163
00:08:01,410 --> 00:07:59,229

than half of them are actually in

164

00:08:03,270 --> 00:08:01,420

Darwin's so that's good at this

165

00:08:04,740 --> 00:08:03,280

fair few who aren't but now we've got a

166

00:08:07,050 --> 00:08:04,750

nice little group happening we've got

167

00:08:08,400 --> 00:08:07,060

quite a bit of activity on the group so

168

00:08:10,620 --> 00:08:08,410

we've got lots of people who are

169

00:08:12,840 --> 00:08:10,630

participating in conversations and keen

170

00:08:14,550 --> 00:08:12,850

to to come out and meet up so it's going

171

00:08:16,050 --> 00:08:14,560

really well well I certainly I'm

172

00:08:18,000 --> 00:08:16,060

certainly glad to hear that any any

173

00:08:20,700 --> 00:08:18,010

group any skeptical group around the

174

00:08:22,170 --> 00:08:20,710

world has actually has a presence and is

175

00:08:25,320 --> 00:08:22,180

doing something and not just sitting

176

00:08:27,330 --> 00:08:25,330

back on their warm couch or your cool

177

00:08:29,070 --> 00:08:27,340

couch and Darwin maybe with a cull of

178

00:08:30,540 --> 00:08:29,080

drink and not doing anything but the

179

00:08:33,690 --> 00:08:30,550

other reason I wanted to chat to you

180

00:08:36,600 --> 00:08:33,700

today was you were on ABC radio in

181

00:08:39,240 --> 00:08:36,610

Darwin just last week in fact you've got

182

00:08:41,520 --> 00:08:39,250

a quite a long interview I thought and

183

00:08:43,260 --> 00:08:41,530

it was all about believe it or not and

184

00:08:45,290 --> 00:08:43,270

yes it's still the 21st century and

185

00:08:48,540 --> 00:08:45,300

we're still talking about these things

186

00:08:50,730 --> 00:08:48,550

poltergeists yeah the same old Humpty

187

00:08:54,090 --> 00:08:50,740

Doo poltergeist from from back in the

188

00:08:55,860 --> 00:08:54,100

90s it just won't go away well yeah well

189

00:08:57,150 --> 00:08:55,870

maybe that's the nature of poltergeist I

190

00:08:59,280 --> 00:08:57,160

don't know for the benefit of our

191

00:09:02,490 --> 00:08:59,290

listeners could you give a little recap

192

00:09:05,580 --> 00:09:02,500

of this whole silly story okay so it

193

00:09:09,840 --> 00:09:05,590

started in about nineteen ninety-eight I

194

00:09:12,840 --> 00:09:09,850

think there was a story of five people

195

00:09:15,540 --> 00:09:12,850

living in a little house in Humpty Doo

196

00:09:18,570 --> 00:09:15,550

who were being harassed by a poltergeist

197

00:09:20,280 --> 00:09:18,580

they got attention all over Australia

198

00:09:22,200 --> 00:09:20,290

and I think there was international

199

00:09:25,140 --> 00:09:22,210

interest in this poltergeist that was

200

00:09:28,440 --> 00:09:25,150

throwing rocks around and writing words

201
00:09:31,320 --> 00:09:28,450
in pebbles and basically making a

202
00:09:32,310 --> 00:09:31,330
nuisance of itself nobody was hurt but

203
00:09:35,490 --> 00:09:32,320
there were just lots of strange

204
00:09:37,650 --> 00:09:35,500
occurrences channel 7 came up from Perth

205
00:09:39,300 --> 00:09:37,660
and did a big story I think it was from

206
00:09:41,100 --> 00:09:39,310
Perth yeah I made headlines around

207
00:09:43,170 --> 00:09:41,110
Australia and got them lots of attention

208
00:09:46,650 --> 00:09:43,180
I think they made a bit of money off it

209
00:09:48,450 --> 00:09:46,660
a lot of publicity for the new channel 7

210
00:09:50,700 --> 00:09:48,460
that had just started up in Darwin so

211
00:09:53,490 --> 00:09:50,710
there's wrong theories about motivations

212
00:09:54,540 --> 00:09:53,500
there they completely banned the Darwin

213
00:09:57,600 --> 00:09:54,550

because there was a different Darwin

214

00:09:59,430 --> 00:09:57,610

skeptics back then a group of people who

215

00:10:00,870 --> 00:09:59,440

were keen to investigate but they were

216

00:10:03,570 --> 00:10:00,880

completely barred from participating

217

00:10:04,980 --> 00:10:03,580

until all of it was over so they didn't

218

00:10:07,080 --> 00:10:04,990

actually get to see anything happen

219

00:10:11,210 --> 00:10:07,090

there were lots of news reporters that

220

00:10:13,950 --> 00:10:11,220

came in of newspaper reporters and

221

00:10:15,269 --> 00:10:13,960

various radio stations and things came

222

00:10:16,559 --> 00:10:15,279

in and a lot of them claim

223

00:10:19,199 --> 00:10:16,569

to have seen the strange things

224

00:10:21,540 --> 00:10:19,209

happening the evidence that was actually

225

00:10:23,610 --> 00:10:21,550

documented was fairly sketchy there were

226

00:10:26,100 --> 00:10:23,620

a few videos of some things flying

227

00:10:28,110 --> 00:10:26,110

around the room one video that showed a

228

00:10:30,059 --> 00:10:28,120

woman throwing one of those things which

229

00:10:33,119 --> 00:10:30,069

I think turned it all into a bit of a

230

00:10:35,069 --> 00:10:33,129

joke at the end yeah yeah lots of lots

231

00:10:37,049 --> 00:10:35,079

of first-person accounts of people who

232

00:10:40,019 --> 00:10:37,059

swear it couldn't have been faked of

233

00:10:41,489 --> 00:10:40,029

course and I was really it was really

234

00:10:43,110 --> 00:10:41,499

interesting to hear you being

235

00:10:46,829 --> 00:10:43,120

interviewed just the other week on radio

236

00:10:48,780 --> 00:10:46,839

because they also interviewed I think

237

00:10:51,389 --> 00:10:48,790

Catholic priest but they also

238

00:10:52,829 --> 00:10:51,399

interviewed a so-called researcher and i

239

00:10:56,460 --> 00:10:52,839

used the air quotes here on the camera

240

00:10:59,129 --> 00:10:56,470

to you who was putting the case that how

241

00:11:00,840 --> 00:10:59,139

can these things be faked or there are

242

00:11:03,030 --> 00:11:00,850

so many reports over the years which

243

00:11:05,879 --> 00:11:03,040

he's collided going back centuries how

244

00:11:08,309 --> 00:11:05,889

could all these people be wrong but the

245

00:11:11,129 --> 00:11:08,319

bits i've seen and i remember seeing the

246

00:11:12,509 --> 00:11:11,139

video report at the time on TV it's a

247

00:11:15,600 --> 00:11:12,519

pity we don't have a copy of that it's

248

00:11:18,059 --> 00:11:15,610

very hard to find they were clearly

249

00:11:19,410 --> 00:11:18,069

clearly it was just a joke because as

250

00:11:21,720 --> 00:11:19,420

soon as the camera looked in one

251
00:11:24,090 --> 00:11:21,730
direction something would would fly from

252
00:11:26,970 --> 00:11:24,100
the other where the camera wasn't facing

253
00:11:28,799 --> 00:11:26,980
but I I was very pleased to hear that

254
00:11:31,650 --> 00:11:28,809
they gave you a really good run on the

255
00:11:33,299 --> 00:11:31,660
radio but that must have been an

256
00:11:35,429 --> 00:11:33,309
interesting experience it's not that

257
00:11:37,650 --> 00:11:35,439
easy to be interviewed on radio it was

258
00:11:39,600 --> 00:11:37,660
surprisingly well handled from their

259
00:11:41,639 --> 00:11:39,610
point they approached me they asked from

260
00:11:43,439 --> 00:11:41,649
my perspective and she basically just

261
00:11:45,689 --> 00:11:43,449
asked me the questions let me say my

262
00:11:47,970 --> 00:11:45,699
piece and just played whatever I said

263
00:11:50,460 --> 00:11:47,980

she was very very accommodating and very

264

00:11:52,410 --> 00:11:50,470

interested and I think she wouldn't let

265

00:11:54,269 --> 00:11:52,420

on on the show but I think she was

266

00:11:56,220 --> 00:11:54,279

pretty much on our side because we had a

267

00:11:59,069 --> 00:11:56,230

good laugh about it while we were

268

00:12:00,929 --> 00:11:59,079

talking before and after yeah she seemed

269

00:12:02,790 --> 00:12:00,939

to be enjoying the whole thing she said

270

00:12:05,400 --> 00:12:02,800

it was all just for a bit of fun and and

271

00:12:09,179 --> 00:12:05,410

you know you heard on the show that she

272

00:12:11,040 --> 00:12:09,189

played thriller and Ghostbusters and she

273

00:12:13,049 --> 00:12:11,050

had that funny little intro with the

274

00:12:15,600 --> 00:12:13,059

spooky voice so yeah she was turning it

275

00:12:17,429 --> 00:12:15,610

all into a bit of a fun afternoon so I

276

00:12:20,519 --> 00:12:17,439

think it was handled very well and I

277

00:12:22,439 --> 00:12:20,529

like that she let our father tom was

278

00:12:24,840 --> 00:12:22,449

there was the priest she rolled over a

279

00:12:28,110 --> 00:12:24,850

while and he let Tony come in and do his

280

00:12:29,010 --> 00:12:28,120

long spiel and then yeah she saved me

281

00:12:30,870 --> 00:12:29,020

for last so I thought

282

00:12:33,000 --> 00:12:30,880

that was there was a nice little way to

283

00:12:34,410 --> 00:12:33,010

end it up I thought what we'll do now we

284

00:12:36,840 --> 00:12:34,420

can't play the whole thing but what

285

00:12:38,760 --> 00:12:36,850

we'll do now is I'll play a short clip

286

00:12:41,280 --> 00:12:38,770

from you on the radio program to give

287

00:12:44,310 --> 00:12:41,290

people an idea and I really love the

288

00:12:48,210 --> 00:12:44,320

idea of the Darwin skeptics what exactly

289

00:12:51,960 --> 00:12:48,220

is a skeptic basically somebody who

290

00:12:54,030 --> 00:12:51,970

wants to find the truth so we go into a

291

00:12:56,190 --> 00:12:54,040

situation not knowing what the answer is

292

00:12:58,860 --> 00:12:56,200

and we want to know the truth of the

293

00:13:00,900 --> 00:12:58,870

situation we don't want to confirm any

294

00:13:03,060 --> 00:13:00,910

preconceived beliefs we just want to

295

00:13:05,280 --> 00:13:03,070

know what's actually happening so we

296

00:13:08,400 --> 00:13:05,290

look for evidence and we're open to the

297

00:13:12,210 --> 00:13:08,410

possibility that whatever we think is

298

00:13:14,220 --> 00:13:12,220

wrong we have to accept that in our

299

00:13:17,550 --> 00:13:14,230

lives at least some of the time we are

300

00:13:20,940 --> 00:13:17,560

going to be wrong so a skeptics goal is

301
00:13:24,000 --> 00:13:20,950
to be less wrong or to be wrong less

302
00:13:26,760 --> 00:13:24,010
often so to do that you need to learn

303
00:13:28,530 --> 00:13:26,770
how to recognize when you are wrong so

304
00:13:30,270 --> 00:13:28,540
that you don't become dogmatic about

305
00:13:32,550 --> 00:13:30,280
something that you believe that you

306
00:13:35,100 --> 00:13:32,560
don't start dismissing evidence and and

307
00:13:37,710 --> 00:13:35,110
holding on to some preconceived notion

308
00:13:39,990 --> 00:13:37,720
you have to always look at the evidence

309
00:13:42,330 --> 00:13:40,000
find what what the evidence actually

310
00:13:46,380 --> 00:13:42,340
says and be willing to change your mind

311
00:13:48,330 --> 00:13:46,390
when that evidence shows that probably

312
00:13:49,650 --> 00:13:48,340
the ghosts aren't real you have to sort

313
00:13:53,340 --> 00:13:49,660

of change your view and say alright

314

00:13:55,920 --> 00:13:53,350

whatever I saw probably wasn't or if you

315

00:13:59,220 --> 00:13:55,930

find some really irrefutable evidence

316

00:14:00,330 --> 00:13:59,230

that shows that ghosts are real then you

317

00:14:02,880 --> 00:14:00,340

have to be willing to change your mind

318

00:14:04,620 --> 00:14:02,890

and say that that is what happened so it

319

00:14:06,810 --> 00:14:04,630

just basically means you have to go with

320

00:14:10,380 --> 00:14:06,820

whatever the evidence shows have you

321

00:14:12,870 --> 00:14:10,390

always been a skeptic I've not always

322

00:14:14,880 --> 00:14:12,880

known what a skeptic was when when I was

323

00:14:16,350 --> 00:14:14,890

younger I always thought skeptic and

324

00:14:18,720 --> 00:14:16,360

cynic with the same thing which

325

00:14:22,020 --> 00:14:18,730

obviously they're not cynic is somebody

326

00:14:23,940 --> 00:14:22,030

who wants things to be not true and one

327

00:14:25,440 --> 00:14:23,950

wants to prove things wrong and that's

328

00:14:27,510 --> 00:14:25,450

not what a skeptic is but I think I

329

00:14:29,840 --> 00:14:27,520

always have been because I've always

330

00:14:31,620 --> 00:14:29,850

otherwise love science and I've always

331

00:14:33,510 --> 00:14:31,630

questioned things and I've always

332

00:14:35,820 --> 00:14:33,520

wondered about things there was a time

333

00:14:37,710 --> 00:14:35,830

when I believed in you know the aliens

334

00:14:41,460 --> 00:14:37,720

built the pyramids on Mars and things

335

00:14:43,049 --> 00:14:41,470

like that as soon as I saw evidence and

336

00:14:45,509 --> 00:14:43,059

read you know the reason I

337

00:14:47,039 --> 00:14:45,519

for and against I always changed my mind

338

00:14:48,659 --> 00:14:47,049

so I think that means I always was a

339

00:14:50,339 --> 00:14:48,669

skeptic I just didn't always has the

340

00:14:53,009 --> 00:14:50,349

evidence at hand when I used to believe

341

00:14:54,839 --> 00:14:53,019

strange things yes well I thought you

342

00:14:57,209 --> 00:14:54,849

came across very well as as I was

343

00:15:00,179 --> 00:14:57,219

listening in on line here in Sydney when

344

00:15:02,309 --> 00:15:00,189

you're on Darwin radio and I heard her

345

00:15:05,039 --> 00:15:02,319

read out your tweet that was very well

346

00:15:06,869 --> 00:15:05,049

placed that's right well it was a

347

00:15:10,289 --> 00:15:06,879

facebook i was commenting as I was

348

00:15:12,179 --> 00:15:10,299

listening and my comment when the

349

00:15:16,169 --> 00:15:12,189

paranormal guy was speaking I think my

350

00:15:18,539 --> 00:15:16,179

comment was things just don't fly stones

351

00:15:20,489 --> 00:15:18,549

pebbles pens whatever just don't fly

352

00:15:23,369 --> 00:15:20,499

around rooms of their own accord that

353

00:15:26,009 --> 00:15:23,379

you have to look at the the physics of

354

00:15:27,629 --> 00:15:26,019

it assuming something has flown across a

355

00:15:30,989 --> 00:15:27,639

room where there must be a force acting

356

00:15:32,909 --> 00:15:30,999

upon it I like to do that bring in the

357

00:15:34,469 --> 00:15:32,919

physics was somebody blowing hard was

358

00:15:37,469 --> 00:15:34,479

there somebody throwing it what other

359

00:15:38,939 --> 00:15:37,479

force can can describe something flying

360

00:15:40,949 --> 00:15:38,949

around the room we just can't say a

361

00:15:42,749 --> 00:15:40,959

spirit movement you mentioned in your

362

00:15:46,439 --> 00:15:42,759

tweet and she then spoke about the

363

00:15:49,199 --> 00:15:46,449

theory about placing things on ceiling

364

00:15:51,749 --> 00:15:49,209

fans and then as the fan speed up and

365

00:15:55,469 --> 00:15:51,759

they pick up momentum the items fly off

366

00:15:58,109 --> 00:15:55,479

but I was with a friend at the time

367

00:15:59,729 --> 00:15:58,119

listening to the radio show and he lived

368

00:16:01,919 --> 00:15:59,739

in Darwin at the time he lived in humpty

369

00:16:04,109 --> 00:16:01,929

doo at the time so he remembers it quite

370

00:16:06,689 --> 00:16:04,119

well and he said the conversation at the

371

00:16:08,789 --> 00:16:06,699

time was that they had put mud on the

372

00:16:10,889 --> 00:16:08,799

top of the ceiling fans and anchored the

373

00:16:14,819 --> 00:16:10,899

object with the mud and then as the mud

374

00:16:17,549 --> 00:16:14,829

dried out it lost its stickiness yeah

375

00:16:19,859 --> 00:16:17,559

that's why they would come off hours

376

00:16:21,569 --> 00:16:19,869

after and there was nobody there at the

377

00:16:24,919 --> 00:16:21,579

time which sounds like a very reasonable

378

00:16:28,079 --> 00:16:24,929

way to have done it yes I remember that

379

00:16:31,469 --> 00:16:28,089

theory at the time over what I heard was

380

00:16:34,109 --> 00:16:31,479

it was possibly sticky tape and things

381

00:16:35,999 --> 00:16:34,119

were tape just loosely on and as the fan

382

00:16:37,439 --> 00:16:36,009

picked up momentum the rocks and so

383

00:16:40,079 --> 00:16:37,449

forth would be would be flung off

384

00:16:42,959 --> 00:16:40,089

thinking about it now what a dangerous

385

00:16:45,479 --> 00:16:42,969

thing to do because I reckon having

386

00:16:46,619 --> 00:16:45,489

rocks fly off a fat who knows where

387

00:16:49,109 --> 00:16:46,629

they're going to do or what they're

388

00:16:51,629 --> 00:16:49,119

going to hit so that seems pretty pretty

389

00:16:54,479 --> 00:16:51,639

silly that works in in their favor as

390

00:16:56,820 --> 00:16:54,489

well like if I was that woman who who

391

00:16:59,550 --> 00:16:56,830

was there all the time with you

392

00:17:01,170 --> 00:16:59,560

a toddler in the house I wouldn't be

393

00:17:03,750 --> 00:17:01,180

sticking knives to fans and letting my

394

00:17:06,150 --> 00:17:03,760

toddler wander around in the house it

395

00:17:09,600 --> 00:17:06,160

makes me wonder if yeah maybe it wasn't

396

00:17:10,920 --> 00:17:09,610

her maybe I don't know it well again yes

397

00:17:12,990 --> 00:17:10,930

of course there's a lot still a lot of

398

00:17:14,520 --> 00:17:13,000

mystery revolving around it but but then

399

00:17:15,810 --> 00:17:14,530

again if I honestly believe there was a

400

00:17:18,329 --> 00:17:15,820

ghost in the house i probably wouldn't

401
00:17:20,940 --> 00:17:18,339
keep my tongue very though that's right

402
00:17:22,890 --> 00:17:20,950
but it's sort of now part of the

403
00:17:25,140 --> 00:17:22,900
Northern Territory folklore isn't at the

404
00:17:27,449 --> 00:17:25,150
Humpty Doo poltergeist and it's I guess

405
00:17:29,640 --> 00:17:27,459
it's looked fondly like the Loch Ness

406
00:17:31,770 --> 00:17:29,650
monster I don't think too many people

407
00:17:33,180 --> 00:17:31,780
take it seriously although the the

408
00:17:35,460 --> 00:17:33,190
paranormal researcher who was

409
00:17:37,800 --> 00:17:35,470
interviewed seemed to take it very

410
00:17:39,240 --> 00:17:37,810
seriously indeed he was very convinced

411
00:17:40,710 --> 00:17:39,250
that he was right and very convinced

412
00:17:42,630 --> 00:17:40,720
that all the evidence that he saw worked

413
00:17:44,070 --> 00:17:42,640

in his favor like that yeah the fact

414

00:17:47,070 --> 00:17:44,080

that the cameras didn't catch anything

415

00:17:50,520 --> 00:17:47,080

was proof that ghosts don't like cameras

416

00:17:52,710 --> 00:17:50,530

to make I know skeptics I've heard that

417

00:17:54,780 --> 00:17:52,720

I've heard that argument before at a

418

00:17:56,550 --> 00:17:54,790

paranormal convention I went to a couple

419

00:17:58,560 --> 00:17:56,560

years ago they said and it's interesting

420

00:18:00,750 --> 00:17:58,570

to note the poltergeists didn't operate

421

00:18:03,210 --> 00:18:00,760

in rooms with cameras I'm thinking you

422

00:18:05,460 --> 00:18:03,220

have to be kidding me he said it was

423

00:18:07,140 --> 00:18:05,470

almost like the Potter gus was playing a

424

00:18:08,820 --> 00:18:07,150

trick on us every time we pointed a

425

00:18:10,200 --> 00:18:08,830

camera in one direction the object would

426

00:18:11,910 --> 00:18:10,210

come from the other one another big

427

00:18:13,830 --> 00:18:11,920

there you go it must be hold true

428

00:18:16,980 --> 00:18:13,840

somebody was playing a trick on you and

429

00:18:18,300 --> 00:18:16,990

I'm sure it was the poltergeist well

430

00:18:21,090 --> 00:18:18,310

Michelle listen thank you very much for

431

00:18:22,500 --> 00:18:21,100

this little update and well done going

432

00:18:23,910 --> 00:18:22,510

on the radio I and I thought you did

433

00:18:26,850 --> 00:18:23,920

very well because you brought up things

434

00:18:30,390 --> 00:18:26,860

like Occam's razor and Hitchens razor to

435

00:18:33,630 --> 00:18:30,400

talk to the people so I hope they invite

436

00:18:35,760 --> 00:18:33,640

you back when I finished on the radio I

437

00:18:37,620 --> 00:18:35,770

told a few of my friends to listen in I

438

00:18:39,900 --> 00:18:37,630

texted a bunch of people and said I hate

439

00:18:42,420 --> 00:18:39,910

run in it three o'clock i'm going to be

440

00:18:45,150 --> 00:18:42,430

on the radio and a few of my friends

441

00:18:46,500 --> 00:18:45,160

didn't realize that I was a skeptic it's

442

00:18:48,210 --> 00:18:46,510

just not something that we talked about

443

00:18:49,770 --> 00:18:48,220

before so they few of them had a bit of

444

00:18:51,420 --> 00:18:49,780

a laugh about it and a few of them said

445

00:18:53,910 --> 00:18:51,430

I'll don't come to my house you won't be

446

00:18:55,440 --> 00:18:53,920

a skeptic anymore all right well I'd

447

00:18:58,320 --> 00:18:55,450

like to come to your house I mean what

448

00:18:59,760 --> 00:18:58,330

you got but one in particular said she

449

00:19:02,010 --> 00:18:59,770

listened to the show as she sat down

450

00:19:03,630 --> 00:19:02,020

with her notebook and she wrote down all

451
00:19:07,230 --> 00:19:03,640
of these little things she was going to

452
00:19:09,570 --> 00:19:07,240
tell me and as father Tollman as Tony

453
00:19:10,680 --> 00:19:09,580
the the author were talking she was

454
00:19:12,900 --> 00:19:10,690
making all these notes

455
00:19:17,070 --> 00:19:12,910
things to tell me and then when she got

456
00:19:19,290 --> 00:19:17,080
to the bit where I was on and i gave her

457
00:19:20,910 --> 00:19:19,300
a couple of tools so i gave her Occam's

458
00:19:23,280 --> 00:19:20,920
razor and then I gave her Hitchens rays

459
00:19:25,800 --> 00:19:23,290
and I said this is how you assess what

460
00:19:27,660 --> 00:19:25,810
you've seen or assess the claims that

461
00:19:29,130 --> 00:19:27,670
have been made and she she thought about

462
00:19:31,020 --> 00:19:29,140
them and she said there was nothing on

463
00:19:33,480 --> 00:19:31,030

her list that was worth telling me

464

00:19:35,550 --> 00:19:33,490

because Nolan past those two tests oh

465

00:19:37,320 --> 00:19:35,560

boy I thought that was a true she said

466

00:19:38,820 --> 00:19:37,330

she's going to go back and and have a

467

00:19:40,680 --> 00:19:38,830

look at these things again and see if

468

00:19:42,510 --> 00:19:40,690

she can find a better way to present

469

00:19:45,060 --> 00:19:42,520

them to me so I thought that was there

470

00:19:46,980 --> 00:19:45,070

was a nice little win there but that's

471

00:19:49,590 --> 00:19:46,990

great at any time the skeptic can get on

472

00:19:51,510 --> 00:19:49,600

the radio and put the sceptical point of

473

00:19:53,550 --> 00:19:51,520

views to a wider audience i think it's

474

00:19:55,380 --> 00:19:53,560

it's well worth it and again i thought i

475

00:19:58,380 --> 00:19:55,390

thought you came across very well it's a

476

00:20:01,200 --> 00:19:58,390

pity folks we can't we can't play you

477

00:20:02,640 --> 00:20:01,210

the whole interview but Michelle once

478

00:20:05,310 --> 00:20:02,650

again thank you very much and how can

479

00:20:07,140 --> 00:20:05,320

people contact the Darwin skeptics our

480

00:20:10,980 --> 00:20:07,150

best way is through our Facebook groups

481

00:20:13,440 --> 00:20:10,990

so we have a just a group called Darwin

482

00:20:15,090 --> 00:20:13,450

skeptics we've got 91 members at the

483

00:20:17,370 --> 00:20:15,100

moment but a lot of them aren't actually

484

00:20:19,170 --> 00:20:17,380

in Darwin so anybody who wants to join

485

00:20:21,390 --> 00:20:19,180

in and participate we'd love to have you

486

00:20:23,280 --> 00:20:21,400

there and if anybody's passing through

487

00:20:25,440 --> 00:20:23,290

Darwin or planning to be here any time

488

00:20:27,890 --> 00:20:25,450

let us know and we can plan a little

489

00:20:30,900 --> 00:20:27,900

meet up and and get you involved as well

490

00:20:32,490 --> 00:20:30,910

that's fantastic well all the best again

491

00:20:34,350 --> 00:20:32,500

I hope we can catch up and have a chat

492

00:20:35,820 --> 00:20:34,360

soon with more good news but for now

493

00:20:37,620 --> 00:20:35,830

Michelle Franklin all the way from

494

00:20:39,600 --> 00:20:37,630

Darwin in the Northern Territory folks

495

00:20:41,580 --> 00:20:39,610

google it on google earth or google maps

496

00:20:58,260 --> 00:20:41,590

you can see where that is thank you very

497

00:21:03,820 --> 00:21:01,450

greetings listeners it's me captain

498

00:21:06,460 --> 00:21:03,830

disillusion on my youtube channel called

499

00:21:08,680 --> 00:21:06,470

captain disillusion aye captain

500

00:21:10,930 --> 00:21:08,690

disillusion analyzed viral videos of the

501
00:21:13,240 --> 00:21:10,940
strange and unbelievable I explain how

502
00:21:15,250 --> 00:21:13,250
interframe video compression 3d motion

503
00:21:17,710 --> 00:21:15,260
tracking and stock the effects elements

504
00:21:20,020 --> 00:21:17,720
prove that Justin Bieber is not a secret

505
00:21:21,850 --> 00:21:20,030
reptilian alien that those videos of

506
00:21:23,860 --> 00:21:21,860
ghost cars are just unintentional

507
00:21:25,570 --> 00:21:23,870
optical illusions and that lightning did

508
00:21:27,310 --> 00:21:25,580
not strike a few feet away from a girl

509
00:21:30,130 --> 00:21:27,320
on a beach as we saw on the news I'm

510
00:21:32,280 --> 00:21:30,140
real fun at parties my best friend is a

511
00:21:34,330 --> 00:21:32,290
lens flare eat a dimmer switch

512
00:21:36,280 --> 00:21:34,340
disillusion I do know other people

513
00:21:38,890 --> 00:21:36,290

sometimes they even show up in my videos

514

00:21:41,290 --> 00:21:38,900

people like skepticism is grandpa james

515

00:21:43,360 --> 00:21:41,300

randi sirve de Soleil Acrobat Erica

516

00:21:45,520 --> 00:21:43,370

Lynn's weight loss enthusiast Penn

517

00:21:47,650 --> 00:21:45,530

Jillette and the actual Beekman from

518

00:21:49,690 --> 00:21:47,660

Beakman's world I hope you'll check out

519

00:21:51,850 --> 00:21:49,700

my adventures interact with me in a

520

00:21:54,640 --> 00:21:51,860

platonic way and even consider becoming

521

00:21:57,220 --> 00:21:54,650

a patron of my work you can do all that

522

00:22:07,060 --> 00:21:57,230

and more on youtube or at captain

523

00:22:20,480 --> 00:22:11,000

it's the raw skeptic report with Heidi

524

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

Robertson hello everyone listeners of

525

00:22:25,310 --> 00:22:22,500

the skeptic zone would be quite familiar

526

00:22:29,210 --> 00:22:25,320

with the AVS N or the Australian

527

00:22:32,360 --> 00:22:29,220

vaccination skeptics network and also s

528

00:22:34,550 --> 00:22:32,370

avian stop the Australian vaccination

529

00:22:38,660 --> 00:22:34,560

network a Facebook group dedicated to

530

00:22:41,870 --> 00:22:38,670

you guessed it stopping the AVS n today

531

00:22:45,370 --> 00:22:41,880

I'm here via Skype with Tracy who is a

532

00:22:49,390 --> 00:22:45,380

member of s avian and has been very

533

00:22:51,740 --> 00:22:49,400

active in her advocacy for vaccination

534

00:22:54,650 --> 00:22:51,750

firstly Tracy can you tell the listeners

535

00:22:57,860 --> 00:22:54,660

a bit about yourself and how you came to

536

00:23:00,290 --> 00:22:57,870

be involved in vaccine advocacy why is

537

00:23:03,140 --> 00:23:00,300

it so important to you well I work with

538

00:23:05,510 --> 00:23:03,150

children so immunization is an important

539

00:23:07,490 --> 00:23:05,520

factor in that in that I prefer to work

540

00:23:11,390 --> 00:23:07,500

was immunized children and I immunize

541

00:23:15,310 --> 00:23:11,400

myself in order to protect them and in

542

00:23:19,250 --> 00:23:15,320

about 2011 to probably two years after

543

00:23:21,590 --> 00:23:19,260

stop the avian was formed I stumbled

544

00:23:24,980 --> 00:23:21,600

across the idea that people are against

545

00:23:28,430 --> 00:23:24,990

vaccination and that led me to stop the

546

00:23:30,290 --> 00:23:28,440

avian and I've been getting involved in

547

00:23:33,110 --> 00:23:30,300

learning about it all ever since I've

548

00:23:34,730 --> 00:23:33,120

actually it's inspired me to go to uni

549

00:23:37,310 --> 00:23:34,740

and I'm studying a public health degree

550

00:23:38,990 --> 00:23:37,320

as a result now it's become a real

551
00:23:41,270 --> 00:23:39,000
passion and a real interest and

552
00:23:43,490 --> 00:23:41,280
something that I do as much as I can

553
00:23:45,380 --> 00:23:43,500
you've had good five years of being

554
00:23:46,910 --> 00:23:45,390
active with the advocacy that you've

555
00:23:50,270 --> 00:23:46,920
been doing and you are actually

556
00:23:53,390 --> 00:23:50,280
representing s avian last week at the

557
00:23:55,550 --> 00:23:53,400
15th national immunization conference

558
00:23:58,070 --> 00:23:55,560
believe you presented to poster

559
00:23:59,930 --> 00:23:58,080
presentations there so as far as the

560
00:24:02,000 --> 00:23:59,940
first one goes what was the title of

561
00:24:04,190 --> 00:24:02,010
that and who were the authors on it the

562
00:24:05,960 --> 00:24:04,200
title with evidence suggests the fall of

563
00:24:08,600 --> 00:24:05,970

the professional anti-vaccination

564

00:24:11,450 --> 00:24:08,610

movement in Australia that was put

565

00:24:13,110 --> 00:24:11,460

together by myself Joanne benim ooh

566

00:24:16,740 --> 00:24:13,120

Rachel Dunlop

567

00:24:20,700 --> 00:24:16,750

and cody and david hawks and that talked

568

00:24:25,799 --> 00:24:20,710

about the impact that s avian has had on

569

00:24:28,560 --> 00:24:25,809

the finances of the AVS in all these

570

00:24:31,590 --> 00:24:28,570

letters it gets a bit tricky so as far

571

00:24:33,540 --> 00:24:31,600

as the finances go with AVS n where were

572

00:24:35,040 --> 00:24:33,550

they getting their money from and and

573

00:24:37,290 --> 00:24:35,050

how much were they bringing in l

574

00:24:40,640 --> 00:24:37,300

probably had three main streams of

575

00:24:44,130 --> 00:24:40,650

income one was membership which

576
00:24:45,870 --> 00:24:44,140
chiropractors were a huge membership

577
00:24:47,780 --> 00:24:45,880
base within professional memberships

578
00:24:52,020 --> 00:24:47,790
that were quite expensive than other

579
00:24:54,750 --> 00:24:52,030
alternative medicine practitioners so

580
00:24:57,930 --> 00:24:54,760
cypher membership there was donations

581
00:25:00,990 --> 00:24:57,940
they quite often ran fundraising drives

582
00:25:02,850 --> 00:25:01,000
for certain issues that they never spent

583
00:25:04,980 --> 00:25:02,860
the money on those issues anyway but it

584
00:25:07,260 --> 00:25:04,990
two of the bank account that they were

585
00:25:09,660 --> 00:25:07,270
selling a magazine as well which is now

586
00:25:11,490 --> 00:25:09,670
defunct and people who have paid for

587
00:25:13,770 --> 00:25:11,500
that main event have an ended up with

588
00:25:16,380 --> 00:25:13,780

their magazines in the end so that was

589

00:25:19,830 --> 00:25:16,390

in Maine three streams of income I think

590

00:25:22,830 --> 00:25:19,840

and in terms of the impact of stop the

591

00:25:25,710 --> 00:25:22,840

avian on that there's been over the time

592

00:25:29,700 --> 00:25:25,720

stop the avian has been working on them

593

00:25:32,160 --> 00:25:29,710

the income has decreased 92% so I guess

594

00:25:35,210 --> 00:25:32,170

to put that into context then we use

595

00:25:39,660 --> 00:25:35,220

where they were making about 280 to

596

00:25:42,270 --> 00:25:39,670

300,000 dollars a year Wow yeah and the

597

00:25:45,750 --> 00:25:42,280

last financial records were able to get

598

00:25:47,310 --> 00:25:45,760

a hold of for 2014 they were down to

599

00:25:50,070 --> 00:25:47,320

twenty one thousand dollars for that

600

00:25:52,080 --> 00:25:50,080

year so that's quite an impact that's a

601
00:25:55,530 --> 00:25:52,090
big impact how did you measure that and

602
00:25:58,350 --> 00:25:55,540
how did stop the avian achieve that

603
00:26:00,120 --> 00:25:58,360
result I'm really grateful to Dave Hall

604
00:26:02,790 --> 00:26:00,130
who did all the analysis of that

605
00:26:06,600 --> 00:26:02,800
throughout the years through Freedom of

606
00:26:08,940 --> 00:26:06,610
Information requests because a BSN or

607
00:26:11,070 --> 00:26:08,950
unincorporated association we were able

608
00:26:14,130 --> 00:26:11,080
to get their financial records to

609
00:26:16,940 --> 00:26:14,140
freedom of information so each year

610
00:26:20,430 --> 00:26:16,950
after their financial records are lodged

611
00:26:21,280 --> 00:26:20,440
someone makes an application to get them

612
00:26:24,040 --> 00:26:21,290
and then we

613
00:26:27,070 --> 00:26:24,050

so that's how we got all the details and

614

00:26:29,860 --> 00:26:27,080

then Dave went through and analyzed it

615

00:26:32,380 --> 00:26:29,870

or and he figured out the the ninety two

616

00:26:36,030 --> 00:26:32,390

percent decrease figure I guess

617

00:26:38,830 --> 00:26:36,040

essentially it's been achieved by

618

00:26:41,800 --> 00:26:38,840

countering their misinformation making

619

00:26:44,320 --> 00:26:41,810

the public aware of the dishonesty and

620

00:26:46,360 --> 00:26:44,330

their financial dealings pushing them

621

00:26:49,540 --> 00:26:46,370

out of the popular media and stuff like

622

00:26:51,160 --> 00:26:49,550

that as well reducing their impact you

623

00:26:53,560 --> 00:26:51,170

were saying before that some of the

624

00:26:56,500 --> 00:26:53,570

donations they were asking for donations

625

00:26:59,350 --> 00:26:56,510

and those some of those projects never

626

00:27:01,540 --> 00:26:59,360

sort of came to fruition for the people

627

00:27:03,250 --> 00:27:01,550

that donated has there been any reaction

628

00:27:07,150 --> 00:27:03,260

from the members about where their money

629

00:27:10,660 --> 00:27:07,160

has gone no I don't seem to care they're

630

00:27:12,280 --> 00:27:10,670

happy to hand their money over and look

631

00:27:14,590 --> 00:27:12,290

I don't know whether they get distracted

632

00:27:16,390 --> 00:27:14,600

or what I don't care where the money

633

00:27:18,990 --> 00:27:16,400

ends up in the end they just feel like

634

00:27:21,820 --> 00:27:19,000

they're giving it to a worthy cause but

635

00:27:24,250 --> 00:27:21,830

i'm not aware that there's ever been any

636

00:27:26,830 --> 00:27:24,260

pushback from the members about where

637

00:27:28,630 --> 00:27:26,840

the income goes i guess that's a little

638

00:27:30,520 --> 00:27:28,640

bit surprising i think we're just

639

00:27:33,550 --> 00:27:30,530

speaking for myself if i was to donate

640

00:27:36,070 --> 00:27:33,560

money to a specific cause that i felt

641

00:27:38,170 --> 00:27:36,080

passionately about I'd want to know that

642

00:27:42,060 --> 00:27:38,180

my money was going where I was assured

643

00:27:44,560 --> 00:27:42,070

that it was going to go yes over our

644

00:27:46,300 --> 00:27:44,570

well there you go not sure we can

645

00:27:48,430 --> 00:27:46,310

explain that or what else was in that

646

00:27:51,010 --> 00:27:48,440

first poster presentation I think you

647

00:27:53,020 --> 00:27:51,020

covered the stop Tenpenny campaign as

648

00:27:55,840 --> 00:27:53,030

well is that right in that first placer

649

00:27:58,270 --> 00:27:55,850

yeah we did cover the stock Tenpenny

650

00:28:00,640 --> 00:27:58,280

campaign just the reminders of who

651
00:28:03,760 --> 00:28:00,650
sherry Tenpenny is for those who may not

652
00:28:05,740 --> 00:28:03,770
know yes and why there was a campaign to

653
00:28:08,950 --> 00:28:05,750
stop her from coming here to Australia

654
00:28:11,020 --> 00:28:08,960
yes so she's a professional anti-vaccine

655
00:28:12,880 --> 00:28:11,030
campaigner in america and she's quite

656
00:28:15,760 --> 00:28:12,890
popular over there and has a lot of

657
00:28:18,520 --> 00:28:15,770
followers stephanie messenger who is an

658
00:28:20,340 --> 00:28:18,530
australian anti-vaccine campaigner that

659
00:28:23,410 --> 00:28:20,350
some people might be familiar with

660
00:28:26,200 --> 00:28:23,420
organized with cherry temp any to come

661
00:28:29,530 --> 00:28:26,210
over here and do a tour that was

662
00:28:31,800 --> 00:28:29,540
seminars and dinners and things is

663
00:28:33,240 --> 00:28:31,810

stephanie messenger was the author of

664

00:28:36,180 --> 00:28:33,250

melanie's ma

665

00:28:38,880 --> 00:28:36,190

Alice measles yes I word got out that

666

00:28:42,240 --> 00:28:38,890

there was a tour planned the usual

667

00:28:45,000 --> 00:28:42,250

suspects like stop the avian folks and

668

00:28:48,810 --> 00:28:45,010

some skeptics and that swung into action

669

00:28:51,840 --> 00:28:48,820

and started the stop Tenpenny campaign

670

00:28:54,300 --> 00:28:51,850

and what was really great to see about

671

00:28:56,250 --> 00:28:54,310

that campaign is just the general public

672

00:28:59,220 --> 00:28:56,260

jumped on board and got involved people

673

00:29:01,950 --> 00:28:59,230

that we'd never heard of before that

674

00:29:04,380 --> 00:29:01,960

weren't involved with what would be

675

00:29:06,840 --> 00:29:04,390

doing for so long general community

676
00:29:08,400 --> 00:29:06,850
members stood up and said no we're not

677
00:29:11,160 --> 00:29:08,410
going to take this you're not welcome

678
00:29:15,680 --> 00:29:11,170
here to spread your misinformation and

679
00:29:18,480 --> 00:29:15,690
it took about twenty two days or so from

680
00:29:20,190 --> 00:29:18,490
from the news getting out to the point

681
00:29:23,460 --> 00:29:20,200
where the tour was canceled is that

682
00:29:26,160 --> 00:29:23,470
right I knew a matter of weeks that's

683
00:29:27,600 --> 00:29:26,170
amazing and as far as the other the

684
00:29:30,060 --> 00:29:27,610
other poster that you present it

685
00:29:34,110 --> 00:29:30,070
believed that was about false balance in

686
00:29:36,450 --> 00:29:34,120
the media can you firstly explain for

687
00:29:39,090 --> 00:29:36,460
listeners who may not know what is false

688
00:29:41,640 --> 00:29:39,100

balance well the defaults balance is

689

00:29:43,380 --> 00:29:41,650

something that Rachel Dunlop has taken a

690

00:29:46,350 --> 00:29:43,390

real interest in and being really

691

00:29:49,020 --> 00:29:46,360

proactive in and and she's I guess

692

00:29:52,020 --> 00:29:49,030

taught everyone else to follow her lead

693

00:29:54,780 --> 00:29:52,030

on this but false balance it's it's a

694

00:29:56,790 --> 00:29:54,790

media bias where journalists if they're

695

00:29:59,760 --> 00:29:56,800

doing a story they feel that they need

696

00:30:02,610 --> 00:29:59,770

to have both sides of that story

697

00:30:05,340 --> 00:30:02,620

presented and the thing is with things

698

00:30:08,280 --> 00:30:05,350

like immunization as we said before

699

00:30:11,340 --> 00:30:08,290

there's no debate there's no other side

700

00:30:14,670 --> 00:30:11,350

of the story there's really no no reason

701
00:30:17,880 --> 00:30:14,680
for having an anti-vaccine view in a

702
00:30:20,520 --> 00:30:17,890
vaccine story that used to happen quite

703
00:30:22,680 --> 00:30:20,530
a lot who were the people that news

704
00:30:25,110 --> 00:30:22,690
outlets and TV stations and radio

705
00:30:26,730 --> 00:30:25,120
stations and newspapers there were those

706
00:30:28,680 --> 00:30:26,740
people that they were getting on to

707
00:30:31,350 --> 00:30:28,690
so-called balance the view of the

708
00:30:33,300 --> 00:30:31,360
immunization experts okay well probably

709
00:30:36,180 --> 00:30:33,310
the most common one would have been

710
00:30:38,760 --> 00:30:36,190
Merrill dory of course and what are her

711
00:30:41,790 --> 00:30:38,770
qualifications again let's just recap

712
00:30:42,269 --> 00:30:41,800
that her qualifications she knows how to

713
00:30:46,859 --> 00:30:42,279

use

714

00:30:48,599 --> 00:30:46,869

Eagle okay I guess there's that that's

715

00:30:51,019 --> 00:30:48,609

at the heart of what false balance is

716

00:30:53,849 --> 00:30:51,029

isn't it it's putting an expert like a

717

00:30:56,219 --> 00:30:53,859

pediatric infectious diseases specialist

718

00:30:58,379 --> 00:30:56,229

up against an anti-vaccination advocate

719

00:31:01,680 --> 00:30:58,389

with no qualifications in the field at

720

00:31:04,139 --> 00:31:01,690

all to the uninitiated observer that

721

00:31:06,209 --> 00:31:04,149

kind of looks as though there's genuine

722

00:31:09,599 --> 00:31:06,219

division in the community about the

723

00:31:11,369 --> 00:31:09,609

issue and we know that there's not a lot

724

00:31:13,680 --> 00:31:11,379

of the stuff that rachel has looked at

725

00:31:15,629 --> 00:31:13,690

around false balance there's been

726

00:31:19,560 --> 00:31:15,639

studies done that that actually show

727

00:31:22,829 --> 00:31:19,570

that that having those two unequal sides

728

00:31:26,099 --> 00:31:22,839

in a story is actually more damaging to

729

00:31:29,519 --> 00:31:26,109

attitudes than having an anti-vaccine

730

00:31:33,739 --> 00:31:29,529

story on its own yes and did they stop

731

00:31:37,799 --> 00:31:33,749

the avian has had a measurable impact on

732

00:31:40,979 --> 00:31:37,809

how the media handles false balance with

733

00:31:43,049 --> 00:31:40,989

regards vaccination stories I do I'm not

734

00:31:45,509 --> 00:31:43,059

one of the people who speaks in the

735

00:31:47,989 --> 00:31:45,519

media about vaccinations but there's a

736

00:31:50,219 --> 00:31:47,999

few you do what they do is when

737

00:31:52,709 --> 00:31:50,229

contacted by some media that they

738

00:31:56,219 --> 00:31:52,719

actually asked them what the angle or

739

00:31:58,499 --> 00:31:56,229

the theme of the segment and whether

740

00:32:01,200 --> 00:31:58,509

they're going to have an anti-vaccine

741

00:32:03,869 --> 00:32:01,210

person on as well if they're told that

742

00:32:06,019 --> 00:32:03,879

yes so for example all we've got married

743

00:32:09,930 --> 00:32:06,029

aurion or we've got you know some other

744

00:32:12,329 --> 00:32:09,940

anti-vaccine view on well then the stop

745

00:32:16,049 --> 00:32:12,339

the avian people just decline but

746

00:32:17,940 --> 00:32:16,059

explain why explain that it's harmful to

747

00:32:20,369 --> 00:32:17,950

do those kind of stories and provide

748

00:32:22,379 --> 00:32:20,379

them with some evidence and provide them

749

00:32:24,989 --> 00:32:22,389

with the public health warning against

750

00:32:27,930 --> 00:32:24,999

the avian and stuff like that so rather

751
00:32:31,320 --> 00:32:27,940
than just a client they explain the

752
00:32:34,560 --> 00:32:31,330
reasoning behind it and if that we've

753
00:32:36,599 --> 00:32:34,570
been quite successful and so what is the

754
00:32:38,609 --> 00:32:36,609
general response from journalists who

755
00:32:41,159 --> 00:32:38,619
who are then faced with us stop the

756
00:32:44,310 --> 00:32:41,169
avian member or in fact I mean I've done

757
00:32:46,310 --> 00:32:44,320
it before myself or nrvs I I've said no

758
00:32:48,749 --> 00:32:46,320
we will not appear alongside

759
00:32:50,759 --> 00:32:48,759
anti-vaccination advocates but from your

760
00:32:53,369 --> 00:32:50,769
experience and what you've presented in

761
00:32:54,790 --> 00:32:53,379
the poster what has the experience with

762
00:32:57,490 --> 00:32:54,800
journalists pain

763
00:33:00,550 --> 00:32:57,500

when faced with that oh look I figure

764

00:33:03,120 --> 00:33:00,560

Leon there was they weren't too sure

765

00:33:06,610 --> 00:33:03,130

about that but as time has gone on

766

00:33:10,150 --> 00:33:06,620

people really embrace the idea and quite

767

00:33:12,640 --> 00:33:10,160

a few have implemented an unofficial

768

00:33:16,260 --> 00:33:12,650

policy of not having anti-vaccine

769

00:33:18,940 --> 00:33:16,270

advocates on the project on channel 10 a

770

00:33:20,950 --> 00:33:18,950

particularly good with that that's right

771

00:33:23,020 --> 00:33:20,960

doctor rate she's been on that show a

772

00:33:25,780 --> 00:33:23,030

number of times as well probably had a

773

00:33:28,240 --> 00:33:25,790

bit to do with that informal policy of

774

00:33:30,520 --> 00:33:28,250

theirs I think she was integral in their

775

00:33:32,590 --> 00:33:30,530

informal policy yeah good they had her

776

00:33:35,230 --> 00:33:32,600

on a lot and they never have anyone on

777

00:33:38,440 --> 00:33:35,240

for the the so-called other side and

778

00:33:41,760 --> 00:33:38,450

there was actually an incident early on

779

00:33:46,120 --> 00:33:41,770

we're married or II was going to be

780

00:33:48,760 --> 00:33:46,130

interviewed and through talking to some

781

00:33:51,880 --> 00:33:48,770

stop the avn representatives the media

782

00:33:54,520 --> 00:33:51,890

outlet diverted their truck from going

783

00:33:56,740 --> 00:33:54,530

to merrill dory to going to interviewer

784

00:33:58,780 --> 00:33:56,750

mother whose children had been affected

785

00:34:00,760 --> 00:33:58,790

by vaccine-preventable disease in in

786

00:34:04,030 --> 00:34:00,770

that same area with the low vaccination

787

00:34:06,610 --> 00:34:04,040

rate so once you explain to them and

788

00:34:08,409 --> 00:34:06,620

they understand particularly now yeah

789

00:34:11,260 --> 00:34:08,419

they're very good at taking that on

790

00:34:13,419 --> 00:34:11,270

board and doing responsible stories and

791

00:34:16,000 --> 00:34:13,429

just tell us the segment in the second

792

00:34:19,150 --> 00:34:16,010

poster about the media watch segment

793

00:34:20,740 --> 00:34:19,160

what was all that about with the ABC in

794

00:34:23,740 --> 00:34:20,750

the past they've interviewed

795

00:34:26,740 --> 00:34:23,750

professional anti-vaccine advocates in

796

00:34:29,440 --> 00:34:26,750

immunization stories as a result they're

797

00:34:31,180 --> 00:34:29,450

broadcasting misleading content so

798

00:34:34,060 --> 00:34:31,190

there's been complaints to the ABC

799

00:34:36,700 --> 00:34:34,070

audience and consumer affairs and a lot

800

00:34:39,940 --> 00:34:36,710

of those have been upheld and then there

801
00:34:42,970 --> 00:34:39,950
was a story on media watch in which the

802
00:34:45,520 --> 00:34:42,980
hosts actually said to put it bluntly

803
00:34:48,100 --> 00:34:45,530
there's evidence and there's bull dust

804
00:34:50,440 --> 00:34:48,110
it's a journalist job to distinguish

805
00:34:53,260 --> 00:34:50,450
between them not sit on the fence and

806
00:34:55,480 --> 00:34:53,270
bleep balance especially when people's

807
00:34:59,800 --> 00:34:55,490
health is at risk to put it bluntly

808
00:35:01,720 --> 00:34:59,810
there's evidence and those bull dust it's

809
00:35:04,510 --> 00:35:01,730
a journalist job to distinguish between

810
00:35:05,460 --> 00:35:04,520
them not to sit on the fence and bleat

811
00:35:07,750 --> 00:35:05,470
balance

812
00:35:10,720 --> 00:35:07,760
especially when people's health is at

813
00:35:13,630 --> 00:35:10,730

risk that has been a bit of a turning

814

00:35:16,210 --> 00:35:13,640

point as well that little report on

815

00:35:18,849 --> 00:35:16,220

media watch it's almost as I'll put

816

00:35:22,120 --> 00:35:18,859

other media outlets on notice that you

817

00:35:24,849 --> 00:35:22,130

know if you keep doing this you gotta

818

00:35:26,890 --> 00:35:24,859

end up on media watch it was quite blunt

819

00:35:30,730 --> 00:35:26,900

that comment by media watch but very

820

00:35:32,859 --> 00:35:30,740

accurate it is it certainly is ok Tracy

821

00:35:35,589 --> 00:35:32,869

well thank you so much for your time and

822

00:35:37,450 --> 00:35:35,599

if listeners haven't yet come across the

823

00:35:39,849 --> 00:35:37,460

top the avn have a look for them on

824

00:35:41,470 --> 00:35:39,859

facebook and see some of you can scroll

825

00:35:44,170 --> 00:35:41,480

down the posts and see some of the great

826

00:35:45,819 --> 00:35:44,180

advocacy work that they're doing Tracy

827

00:35:48,069 --> 00:35:45,829

keep up the good work thank you very

828

00:35:49,650 --> 00:35:48,079

much thank so much writing thanks for

829

00:35:52,839 --> 00:35:49,660

having me on it's been a pleasure

830

00:35:54,760 --> 00:35:52,849

unending this recording Tracy and I

831

00:35:57,609 --> 00:35:54,770

chatted a little bit more and she

832

00:35:59,980 --> 00:35:57,619

pointed out quite rightly that we should

833

00:36:03,370 --> 00:35:59,990

send a shout out to all the members of

834

00:36:05,380 --> 00:36:03,380

stop the avian and similar groups who

835

00:36:07,630 --> 00:36:05,390

are contributing every day to stopping

836

00:36:09,690 --> 00:36:07,640

the flow of misinformation put out by

837

00:36:12,940 --> 00:36:09,700

the anti-vaccination movement every

838

00:36:15,970 --> 00:36:12,950

voice counts and every time someone

839

00:36:19,599 --> 00:36:15,980

speaks out it gives others courage to do

840

00:36:22,050 --> 00:36:19,609

so as well this has been highly

841

00:36:41,910 --> 00:36:22,060

Robertson from the Northern Rivers

842

00:36:47,200 --> 00:36:45,160

hey svenska skeptical the vet vet at

843

00:36:49,300 --> 00:36:47,210

Veterans Court building in the boy talk

844

00:36:52,030 --> 00:36:49,310

none hanger of the skeptic zone that an

845

00:36:55,210 --> 00:36:52,040

ox 0 alpha alpha dog poop science quiz

846

00:36:57,880 --> 00:36:55,220

of skeptical Kevin Thomas a queen pave

847

00:36:59,980 --> 00:36:57,890

very primitive of Punta safe at Spa nine

848

00:37:02,260 --> 00:36:59,990

vivoli you like our local training a

849

00:37:03,940 --> 00:37:02,270

hunter molanda Top Gun warmly boo

850

00:37:06,849 --> 00:37:03,950

installed that on the fence non-local

851

00:37:11,230 --> 00:37:06,859

training button to start time 12 your

852

00:37:13,900 --> 00:37:11,240

bottom add a new hello all skeptics in

853

00:37:16,120 --> 00:37:13,910

Sweden I'm sure you already know that

854

00:37:18,069 --> 00:37:16,130

the Swedish skeptics Association not

855

00:37:20,710 --> 00:37:18,079

only is a big fan of the skeptic zone

856

00:37:22,870 --> 00:37:20,720

but that we also organize lectures pop

857

00:37:29,559 --> 00:37:22,880

science quiz and skeptics in the pub all

858

00:37:31,660 --> 00:37:29,569

over the country go to ww vof se to see

859

00:37:33,790 --> 00:37:31,670

what are seven local chapters are up to

860

00:37:36,220 --> 00:37:33,800

and if you live in a place where there

861

00:37:54,640 --> 00:37:36,230

is no local chapter why not stop on

862

00:38:01,790 --> 00:37:58,940

carl sagan's baloney detection kit if

863

00:38:04,550 --> 00:38:01,800

like me you have been heavily influenced

864

00:38:07,250 --> 00:38:04,560

by the works of carl sagan especially

865

00:38:10,190 --> 00:38:07,260

the cosmos TV series and his books

866

00:38:12,530 --> 00:38:10,200

including the demon hornet world you'd

867

00:38:14,920 --> 00:38:12,540

be familiar with the baloney detection

868

00:38:17,450 --> 00:38:14,930

kit or the fine art of baloney detection

869

00:38:20,560 --> 00:38:17,460

here are some of the points carl sagan

870

00:38:23,900 --> 00:38:20,570

made from the demon haunted world as

871

00:38:27,620 --> 00:38:23,910

reproduced at skeptical science it's a

872

00:38:30,470 --> 00:38:27,630

skeptical hyphen science calm carl

873

00:38:32,870 --> 00:38:30,480

sagan's baloney detection kit to be used

874

00:38:36,440 --> 00:38:32,880

when faced with ideas or wild claims

875

00:38:40,270 --> 00:38:36,450

number one whenever possible there must

876

00:38:44,660 --> 00:38:40,280

be independent confirmation of the fax

877

00:38:47,150 --> 00:38:44,670

to encourage substantive debate on the

878

00:38:51,740 --> 00:38:47,160

evidence by knowledgeable proponents of

879

00:38:55,270 --> 00:38:51,750

all points of view three arguments from

880

00:38:58,550 --> 00:38:55,280

Authority carry little weight quote

881

00:39:02,000 --> 00:38:58,560

authorities and quote have made mistakes

882

00:39:04,400 --> 00:39:02,010

in the past they will do again in the

883

00:39:07,340 --> 00:39:04,410

future perhaps a better way to say it is

884

00:39:12,740 --> 00:39:07,350

that in science there are no authorities

885

00:39:15,950 --> 00:39:12,750

at most there are experts for spin more

886

00:39:17,930 --> 00:39:15,960

than one hypothesis if there's something

887

00:39:20,000 --> 00:39:17,940

to be explained think of all the

888

00:39:22,670 --> 00:39:20,010

different ways in which it could be

889

00:39:26,030 --> 00:39:22,680

explained then think of a test by which

890

00:39:28,910 --> 00:39:26,040

you might systematically disprove each

891

00:39:31,340 --> 00:39:28,920

of the alternatives what survives the

892

00:39:33,770 --> 00:39:31,350

hypothesis that resists this proof in

893

00:39:36,440 --> 00:39:33,780

this Darwinian selection among quote

894

00:39:39,650 --> 00:39:36,450

multiple working hypotheses mmm quote

895

00:39:42,440 --> 00:39:39,660

has a much better chance of being the

896

00:39:44,360 --> 00:39:42,450

right answer than if you had simply run

897

00:39:48,080 --> 00:39:44,370

with the first idea that caught your

898

00:39:50,900 --> 00:39:48,090

fancy five try not to get overly

899

00:39:54,130 --> 00:39:50,910

attached to a hypothesis just because

900

00:39:56,540 --> 00:39:54,140

it's yours it's only a weigh station

901
00:40:01,730 --> 00:39:56,550
than the pursuit of knowledge ask

902
00:40:04,580 --> 00:40:01,740
yourself why you like the idea compare

903
00:40:05,940 --> 00:40:04,590
it fairly with the alternatives see if

904
00:40:09,540 --> 00:40:05,950
you can find Reese

905
00:40:15,240 --> 00:40:09,550
for rejecting it if you don't others

906
00:40:17,579 --> 00:40:15,250
will 6 quantify if whatever it is you're

907
00:40:20,849 --> 00:40:17,589
explaining has some measure some

908
00:40:23,160 --> 00:40:20,859
numerical quantity attached to it you'll

909
00:40:26,370 --> 00:40:23,170
be much better able to discriminate

910
00:40:29,490 --> 00:40:26,380
among competing hypotheses what is vague

911
00:40:32,220 --> 00:40:29,500
and qualitative is open to many

912
00:40:35,130 --> 00:40:32,230
explanations of course there are truths

913
00:40:37,589 --> 00:40:35,140

to be sought in many qualitative issues

914

00:40:41,609 --> 00:40:37,599

we are obliged to confront but finding

915

00:40:44,940 --> 00:40:41,619

them is more challenging 7 if there's a

916

00:40:47,460 --> 00:40:44,950

chain of argument then every link in the

917

00:40:50,960 --> 00:40:47,470

chain must work including the premise

918

00:40:54,950 --> 00:40:50,970

not just most of them

919

00:40:58,190 --> 00:40:54,960

eight Occam's razor this convenient rule

920

00:41:01,250 --> 00:40:58,200

of thumb urges us when faced with two

921

00:41:06,410 --> 00:41:01,260

hypotheses that explain the data equally

922

00:41:09,920 --> 00:41:06,420

well to choose the simpler 9 always ask

923

00:41:13,280 --> 00:41:09,930

whether the hypothesis can be at least

924

00:41:16,550 --> 00:41:13,290

in principle falsified propositions that

925

00:41:19,310 --> 00:41:16,560

are untestable unfalsifiable are not

926
00:41:21,230 --> 00:41:19,320
worth much consider the grand idea that

927
00:41:24,020 --> 00:41:21,240
our universe and everything in it is

928
00:41:27,860 --> 00:41:24,030
just an elementary particle when

929
00:41:30,950 --> 00:41:27,870
electron say in a much bigger cosmos but

930
00:41:34,070 --> 00:41:30,960
if we can never acquire information from

931
00:41:37,550 --> 00:41:34,080
outside our universe is not the idea

932
00:41:39,590 --> 00:41:37,560
incapable of disproof you must be able

933
00:41:41,810 --> 00:41:39,600
to check assertions out inveterate

934
00:41:44,600 --> 00:41:41,820
skeptics must be given the chance to

935
00:41:47,780 --> 00:41:44,610
follow your reasoning to duplicate your

936
00:41:50,930 --> 00:41:47,790
experiments and to see if they get the

937
00:41:53,240 --> 00:41:50,940
same result and that look at carl

938
00:41:55,340 --> 00:41:53,250

sagan's baloney detection kit comes to

939

00:42:04,310 --> 00:41:55,350

us from skeptical science that's

940

00:42:15,510 --> 00:42:08,220

on Maynard com don't owe you hey you

941

00:42:15,520 --> 00:42:26,020

with my dad and Tim

942

00:42:26,030 --> 00:42:31,250

29 just call it

943

00:42:35,570 --> 00:42:33,650

Tim the election is growing quite close

944

00:42:36,920 --> 00:42:35,580

we're here at cafe frou-frou and a lot

945

00:42:39,290 --> 00:42:36,930

of people have been talking about the

946

00:42:41,110 --> 00:42:39,300

major topic that we are facing in the

947

00:42:43,490 --> 00:42:41,120

Australian election the population is

948

00:42:49,280 --> 00:42:43,500

facing the question should the new

949

00:42:51,950 --> 00:42:49,290

national anthem be da da da by trio or

950

00:42:54,080 --> 00:42:51,960

my old man's a dustman oh my old man's

951
00:42:57,110 --> 00:42:54,090
that's me look I've got to go da da da

952
00:42:58,940 --> 00:42:57,120
it's got the right feel it's got the

953
00:43:00,860 --> 00:42:58,950
best lyrics who can't get their heads

954
00:43:07,940 --> 00:43:00,870
around those lyrics even I can remember

955
00:43:09,260 --> 00:43:07,950
them and it's got a good message to the

956
00:43:10,760 --> 00:43:09,270
rest of the world of course you

957
00:43:19,359 --> 00:43:10,770
listening to bunga bunga 29 your

958
00:43:24,680 --> 00:43:21,859
but unfortunately that movie's gone

959
00:43:26,779 --> 00:43:24,690
straight to DVD Tim straight to Netflix

960
00:43:28,880 --> 00:43:26,789
that's going to be the latest way those

961
00:43:30,920 --> 00:43:28,890
things are spoken about we here for a

962
00:43:32,359 --> 00:43:30,930
huge serve in a bunga bunga 29 on

963
00:43:34,760 --> 00:43:32,369

today's show you'll hear some news

964

00:43:37,279 --> 00:43:34,770

that's his opinion and he is entitled to

965

00:43:40,490 --> 00:43:37,289

it you'll hear some crank mail you get

966

00:43:43,789 --> 00:43:40,500

you get the crank mail no do they sound

967

00:43:50,089 --> 00:43:43,799

effects solo we'll find out what's in my

968

00:44:01,970 --> 00:43:50,099

bug-out bag bunga bunga i'm a nerd

969

00:44:04,130 --> 00:44:01,980

calmed are you hey you on the fourteenth

970

00:44:06,769 --> 00:44:04,140

of june now friends at the canberra

971

00:44:10,370 --> 00:44:06,779

skeptics enjoyed a lecture my doctor

972

00:44:12,289 --> 00:44:10,380

will grant a lecturer and researcher at

973

00:44:15,410 --> 00:44:12,299

the Australian National University and

974

00:44:17,450 --> 00:44:15,420

graduate studies convener at the center

975

00:44:21,079 --> 00:44:17,460

for public awareness of science

976

00:44:23,390 --> 00:44:21,089

otherwise known as see pass now after

977

00:44:25,579 --> 00:44:23,400

his talk yes reporter Kevin Davies

978

00:44:31,960 --> 00:44:25,589

caught up with dr. grant for this

979

00:44:38,000 --> 00:44:35,090

I'm here again at King o'malley's irish

980

00:44:39,860 --> 00:44:38,010

pub and I'm here with dr. Weil grant

981

00:44:42,590 --> 00:44:39,870

from the center of a public awareness of

982

00:44:45,770 --> 00:44:42,600

science at the Nu hey well how you going

983

00:44:47,690 --> 00:44:45,780

I'm very well very good very good to

984

00:44:49,940 --> 00:44:47,700

come out and talk skepticism and have a

985

00:44:51,920 --> 00:44:49,950

beer with it perhaps for our list is

986

00:44:54,770 --> 00:44:51,930

particularly for the ones overseas could

987

00:44:57,290 --> 00:44:54,780

you explain a little bit about cps what

988

00:45:01,340 --> 00:44:57,300

it is what it does Marinelli absolutely

989

00:45:02,480 --> 00:45:01,350

love to so we're from well me I'm from

990

00:45:03,950 --> 00:45:02,490

the Australian national center for

991

00:45:06,380 --> 00:45:03,960

public awareness of science we call

992

00:45:08,840 --> 00:45:06,390

ourselves see pass to check us out our

993

00:45:09,650 --> 00:45:08,850

name is quite a long one to say we're

994

00:45:11,900 --> 00:45:09,660

based at the Australian National

995

00:45:16,060 --> 00:45:11,910

University where a small center that

996

00:45:18,230 --> 00:45:16,070

does research and teaching on the

997

00:45:21,530 --> 00:45:18,240

intersection between science and society

998

00:45:25,730 --> 00:45:21,540

so our our teaching our education is

999

00:45:28,490 --> 00:45:25,740

focused on giving science students and

1000

00:45:30,890 --> 00:45:28,500

research scientists the skills that they

1001
00:45:33,320 --> 00:45:30,900
need to go out and have a better

1002
00:45:35,810 --> 00:45:33,330
connection between science society for

1003
00:45:37,670 --> 00:45:35,820
some people that might be to understand

1004
00:45:39,620 --> 00:45:37,680
how people will use their use their

1005
00:45:41,180 --> 00:45:39,630
discoveries and tools it might be to

1006
00:45:43,250 --> 00:45:41,190
communicate their discoveries and tools

1007
00:45:45,800 --> 00:45:43,260
or it might be to understand what

1008
00:45:47,750 --> 00:45:45,810
society might want or it might be to

1009
00:45:49,910 --> 00:45:47,760
solve problems you know for instance if

1010
00:45:52,310 --> 00:45:49,920
you're in you skeptics many of you will

1011
00:45:54,260 --> 00:45:52,320
be aware of the discussions and debates

1012
00:45:56,390 --> 00:45:54,270
over vaccination of climate change or

1013
00:45:59,390 --> 00:45:56,400

any very early very early absolutely

1014

00:46:01,790 --> 00:45:59,400

well we we do research into why those

1015

00:46:03,520 --> 00:46:01,800

things occur how we might make a

1016

00:46:06,440 --> 00:46:03,530

difference in those sorts of spheres

1017

00:46:08,420 --> 00:46:06,450

then our research is there it's looking

1018

00:46:10,340 --> 00:46:08,430

at looking at why these things occur why

1019

00:46:12,530 --> 00:46:10,350

why for example different groups of

1020

00:46:13,820 --> 00:46:12,540

people don't resonate with science that

1021

00:46:16,600 --> 00:46:13,830

I connect to the science that only gate

1022

00:46:19,280 --> 00:46:16,610

and and how we might change that

1023

00:46:20,410 --> 00:46:19,290

they mentioned earlier that one of the

1024

00:46:23,990 --> 00:46:20,420

ways in which you are communicating

1025

00:46:25,100 --> 00:46:24,000

society is through some podcasts would

1026

00:46:26,660 --> 00:46:25,110

you care to talk about those a little

1027

00:46:29,630 --> 00:46:26,670

bit more I'd be very I'd be very happy

1028

00:46:31,430 --> 00:46:29,640

to look at this one well we have done a

1029

00:46:33,440 --> 00:46:31,440

few different podcasts and on a range of

1030

00:46:36,800 --> 00:46:33,450

different topics but the one that might

1031

00:46:39,110 --> 00:46:36,810

be of most interest to your listeners is

1032

00:46:41,210 --> 00:46:39,120

is it's not out yet so so you're getting

1033

00:46:44,480 --> 00:46:41,220

any of the ground floor here it's called

1034

00:46:47,120 --> 00:46:44,490

the wholesome show our goal there is

1035

00:46:49,400 --> 00:46:47,130

really to look at the complex issues in

1036

00:46:51,050 --> 00:46:49,410

the universe in society in the world

1037

00:46:53,750 --> 00:46:51,060

whatever's going on and pull them apart

1038

00:46:57,590 --> 00:46:53,760

now it's it we're very much going for a

1039

00:47:00,290 --> 00:46:57,600

comedy comedy vibe but really trying to

1040

00:47:02,690 --> 00:47:00,300

explore complex issues so we're starting

1041

00:47:04,820 --> 00:47:02,700

on July 13 and podcast listeners will

1042

00:47:07,100 --> 00:47:04,830

probably see it in the week or two after

1043

00:47:10,130 --> 00:47:07,110

it you said oh we who is the second

1044

00:47:11,960 --> 00:47:10,140

person in this that would be my partner

1045

00:47:15,200 --> 00:47:11,970

in crime I guess or who you know there's

1046

00:47:16,820 --> 00:47:15,210

other words for dr. rod Lambert's so we

1047

00:47:20,330 --> 00:47:16,830

go by the moniker of the vaguely good

1048

00:47:22,580 --> 00:47:20,340

doctors our first episode is looking at

1049

00:47:26,590 --> 00:47:22,590

one of us where we're trying to explore

1050

00:47:29,150 --> 00:47:26,600

what it means to have a mainstream now

1051
00:47:30,650 --> 00:47:29,160
society has changed enormously with the

1052
00:47:32,180 --> 00:47:30,660
advent of the Internet I don't know

1053
00:47:33,260 --> 00:47:32,190
quite who I'm talking to here but you

1054
00:47:36,290 --> 00:47:33,270
could be in the range of different

1055
00:47:38,480 --> 00:47:36,300
countries and at the same time 20 years

1056
00:47:40,970 --> 00:47:38,490
ago or 30 years ago many of us grew up

1057
00:47:42,710 --> 00:47:40,980
in societies that that had a sort of

1058
00:47:45,260 --> 00:47:42,720
dominant culture but that's disappeared

1059
00:47:46,790 --> 00:47:45,270
I think has it maybe it's not there it's

1060
00:47:48,380 --> 00:47:46,800
a little bit there it's changing

1061
00:47:50,330 --> 00:47:48,390
enormously we're exploring that from a

1062
00:47:51,950 --> 00:47:50,340
sociological perspective is there a

1063
00:47:54,110 --> 00:47:51,960

website for that is there somewhere we

1064

00:47:57,500 --> 00:47:54,120

can reach it get absolutely you can go

1065

00:47:59,270 --> 00:47:57,510

right now to wholesome show com the

1066

00:48:01,760 --> 00:47:59,280

podcast won't be available until after

1067

00:48:02,930 --> 00:48:01,770

we were after we do the show so July 13

1068

00:48:04,820 --> 00:48:02,940

for the show and the podcast will be out

1069

00:48:07,010 --> 00:48:04,830

the weeks after that now you gave a talk

1070

00:48:08,690 --> 00:48:07,020

tonight didn't you the talk was on the

1071

00:48:10,640 --> 00:48:08,700

relationship between critical thinking

1072

00:48:12,290 --> 00:48:10,650

skills and scientific literacy and

1073

00:48:14,410 --> 00:48:12,300

scientific education what's the

1074

00:48:17,180 --> 00:48:14,420

difference between critical thinking and

1075

00:48:19,220 --> 00:48:17,190

science yeah look this is a really

1076

00:48:21,680 --> 00:48:19,230

interesting question now

1077

00:48:24,380 --> 00:48:21,690

the first thing is you can't do science

1078

00:48:26,000 --> 00:48:24,390

or good science without good critical

1079

00:48:28,280 --> 00:48:26,010

thinking skills but they're not the same

1080

00:48:31,190 --> 00:48:28,290

thing so critical thinking is the about

1081

00:48:33,170 --> 00:48:31,200

the ability to understand how knowledge

1082

00:48:34,849 --> 00:48:33,180

is produced to pull knowledge apart and

1083

00:48:36,950 --> 00:48:34,859

to say okay can we test that piece of

1084

00:48:39,260 --> 00:48:36,960

knowledge and can we critically analyze

1085

00:48:41,240 --> 00:48:39,270

whether it's useful or not whether we

1086

00:48:43,160 --> 00:48:41,250

can trust the sources all of those kinds

1087

00:48:44,750 --> 00:48:43,170

of things science uses a bunch of those

1088

00:48:47,359 --> 00:48:44,760

things but science uses other things as

1089

00:48:48,950 --> 00:48:47,369

well so the scientific process will be

1090

00:48:50,660 --> 00:48:48,960

using a range of different techniques

1091

00:48:54,290 --> 00:48:50,670

depending on the discipline to go out

1092

00:48:55,550 --> 00:48:54,300

and collect new data to analyze that

1093

00:48:58,010 --> 00:48:55,560

data and find the patterns and those

1094

00:49:02,060 --> 00:48:58,020

kinds of things they're related they're

1095

00:49:03,260 --> 00:49:02,070

related fields of the human pursuit but

1096

00:49:05,800 --> 00:49:03,270

they're not the same thing and the

1097

00:49:08,240 --> 00:49:05,810

interesting question for us is that is

1098

00:49:09,920 --> 00:49:08,250

science the only way to teach critical

1099

00:49:12,230 --> 00:49:09,930

thinking skills or even the best way to

1100

00:49:14,270 --> 00:49:12,240

teach the critical thinking skills we

1101

00:49:16,040 --> 00:49:14,280

had a bit of a debate amongst your

1102

00:49:17,510 --> 00:49:16,050

friends colleagues some of us came from

1103

00:49:20,660 --> 00:49:17,520

an arts background some of us came from

1104

00:49:22,400 --> 00:49:20,670

a science background and you can get

1105

00:49:24,710 --> 00:49:22,410

critical thinking skills from a range of

1106

00:49:26,150 --> 00:49:24,720

different places well obviously when you

1107

00:49:27,890 --> 00:49:26,160

said art you're referring to say the

1108

00:49:30,890 --> 00:49:27,900

humanities what about the visual arts

1109

00:49:33,910 --> 00:49:30,900

could a visual artists be a critical

1110

00:49:37,430 --> 00:49:33,920

thinker but it really does appear that

1111

00:49:38,960 --> 00:49:37,440

more education of any sort leads to

1112

00:49:41,180 --> 00:49:38,970

better critical thinking skills now the

1113

00:49:42,920 --> 00:49:41,190

key thing there is that we didn't have a

1114

00:49:44,270 --> 00:49:42,930

lot of visual arts people in our sample

1115

00:49:47,510 --> 00:49:44,280

we had a lot of a lot of different

1116

00:49:50,540 --> 00:49:47,520

things and I do wonder I do wonder just

1117

00:49:51,740 --> 00:49:50,550

from sheer an implicit understanding of

1118

00:49:53,450 --> 00:49:51,750

okay what's going on in the visual arts

1119

00:49:55,160 --> 00:49:53,460

process if someone is very highly

1120

00:49:56,960 --> 00:49:55,170

educated in the visual arts process I

1121

00:49:58,880 --> 00:49:56,970

would say that they probably have pretty

1122

00:50:01,010 --> 00:49:58,890

good critical thinking skills better and

1123

00:50:03,910 --> 00:50:01,020

better to produce the work of art they

1124

00:50:06,590 --> 00:50:03,920

want are they thinking critically about

1125

00:50:07,820 --> 00:50:06,600

okay say it's paint you know they're

1126

00:50:09,500 --> 00:50:07,830

thinking about okay what is going to

1127

00:50:11,120 --> 00:50:09,510

produce the thing that I want the depth

1128

00:50:13,190 --> 00:50:11,130

of color the brains that all of those

1129

00:50:15,320 --> 00:50:13,200

kinds of things they're trying to test

1130

00:50:18,080 --> 00:50:15,330

their own knowledge now this is just

1131

00:50:21,830 --> 00:50:18,090

really conjecture here but I would I

1132

00:50:23,510 --> 00:50:21,840

would I would guess that yes even even

1133

00:50:24,859 --> 00:50:23,520

in something like the visual arts which

1134

00:50:26,720 --> 00:50:24,869

is not necessarily dealing with

1135

00:50:27,630 --> 00:50:26,730

knowledge but the more more educated you

1136

00:50:28,680 --> 00:50:27,640

are the more

1137

00:50:31,050 --> 00:50:28,690

the more that you're thinking about

1138

00:50:32,970 --> 00:50:31,060

processes of production and education

1139

00:50:35,130 --> 00:50:32,980

the better your critical thinking skills

1140

00:50:37,610 --> 00:50:35,140

are likely to be and how long was this

1141

00:50:40,260 --> 00:50:37,620

research over or what period of time

1142

00:50:42,150 --> 00:50:40,270

this was this is basically this this

1143

00:50:45,930 --> 00:50:42,160

research was a large survey that we put

1144

00:50:48,600 --> 00:50:45,940

out last year where we collected 8,000

1145

00:50:51,180 --> 00:50:48,610

people and tested them against both

1146

00:50:53,310 --> 00:50:51,190

their backgrounds in terms of the

1147

00:50:55,110 --> 00:50:53,320

education they did and how they

1148

00:50:56,850 --> 00:50:55,120

self-identify to school some things like

1149

00:50:58,050 --> 00:50:56,860

that against their scientific literacy

1150

00:51:00,480 --> 00:50:58,060

scores and their critical thinking

1151

00:51:05,040 --> 00:51:00,490

skills thank you very much dr.

1152

00:51:06,570 --> 00:51:05,050

willebrand I travel at all you can find

1153

00:51:08,670 --> 00:51:06,580

out more about the Australian National

1154

00:51:13,820 --> 00:51:08,680

Center for the public awareness of

1155

00:51:16,860 --> 00:51:13,830

science at sea pass see PA sa nu e dua

1156

00:51:19,320 --> 00:51:16,870

you and remember to check with the

1157

00:51:21,300 --> 00:51:19,330

Canberra skeptics for their continuing

1158

00:51:35,850 --> 00:51:21,310

series of talks throughout the year at

1159

00:51:37,560 --> 00:51:35,860

Canberra skeptics dot org dot a you did

1160

00:51:39,930 --> 00:51:37,570

you see that UFO sighting that made the

1161

00:51:42,180 --> 00:51:39,940

news what did that latest study about

1162

00:51:43,830 --> 00:51:42,190

alternative treatments really say is

1163

00:51:46,800 --> 00:51:43,840

this photo making the rounds real or

1164

00:51:48,660 --> 00:51:46,810

hoax doubtful news is a unique website

1165

00:51:50,820 --> 00:51:48,670

featuring news about pseudoscience the

1166

00:51:52,520 --> 00:51:50,830

paranormal anomalies and questionable

1167

00:51:55,470 --> 00:51:52,530

claims framed with the skeptical view

1168

00:51:57,230 --> 00:51:55,480

come visit doubtful newscom every day

1169

00:52:00,960 --> 00:51:57,240

for news about cryptozoology

1170

00:52:03,870 --> 00:52:00,970

conspiracies shams scams and more follow

1171

00:52:05,430 --> 00:52:03,880

us on twitter at doubtful news critical

1172

00:52:07,710 --> 00:52:05,440

thinking is essential in assessing

1173

00:52:23,430 --> 00:52:07,720

today's news duffel news helps you

1174

00:52:27,820 --> 00:52:25,870

thank you for listening to the skeptic

1175

00:52:30,760 --> 00:52:27,830

Cernan for those people have written to

1176
00:52:33,550 --> 00:52:30,770
me Henrietta and more the skeptic zone

1177
00:52:35,440 --> 00:52:33,560
cats are doing really well they're right

1178
00:52:37,900 --> 00:52:35,450
behind me now I in fact in the studio

1179
00:52:40,660 --> 00:52:37,910
hang on a second they found a spot in

1180
00:52:42,880 --> 00:52:40,670
the Sun and they're looking at me now

1181
00:52:54,730 --> 00:52:42,890
care to say anything to the skeptics own

1182
00:52:56,590 --> 00:52:54,740
fans yes they're trying to eat the

1183
00:53:01,390 --> 00:52:56,600
microphone they're pretty happy those

1184
00:53:03,940 --> 00:53:01,400
two and I think what they were saying

1185
00:53:06,040 --> 00:53:03,950
there's I can translate their purse hmm

1186
00:53:08,920 --> 00:53:06,050
I think what they were saying was that

1187
00:53:12,010 --> 00:53:08,930
they hope some more people will sign up

1188
00:53:14,830 --> 00:53:12,020

with the patreon at skeptic zone TV and

1189

00:53:18,600 --> 00:53:14,840

help support the show I'm sure they will

1190

00:53:21,120 --> 00:53:18,610

you too yeah I'm sure yeah all right

1191

00:53:24,370 --> 00:53:21,130

they're ignoring me now because you know

1192

00:53:25,600 --> 00:53:24,380

their cat's coming up on the skeptics

1193

00:53:28,960 --> 00:53:25,610

are we looking forward to the first

1194

00:53:32,860 --> 00:53:28,970

report by a new reporter dr. Cassandra

1195

00:53:34,960 --> 00:53:32,870

Perryman and her section called the

1196

00:53:37,240 --> 00:53:34,970

cache files looking forward to that I

1197

00:53:39,820 --> 00:53:37,250

think we might be covering a story some

1198

00:53:42,400 --> 00:53:39,830

of you probably heard about firewalking

1199

00:53:44,080 --> 00:53:42,410

gone wrong I've actually done

1200

00:53:46,420 --> 00:53:44,090

firewalking i did it with dr. carl

1201
00:53:48,610 --> 00:53:46,430
korzeniewski it didn't go wrong for us

1202
00:53:51,730 --> 00:53:48,620
but I guess we sort of knew what we were

1203
00:53:54,400 --> 00:53:51,740
doing and we had a certain trust shall I

1204
00:53:56,530 --> 00:53:54,410
say in the laws of physics and just

1205
00:53:58,900 --> 00:53:56,540
before I go as you heard in the skeptics

1206
00:54:02,140 --> 00:53:58,910
and don't forget to visit Manor dot com

1207
00:54:04,870 --> 00:54:02,150
au for his wacky podcast including bunga

1208
00:54:07,240 --> 00:54:04,880
bunga I had a great pleasure you're just

1209
00:54:10,590 --> 00:54:07,250
last week of being with Maynard and Tim

1210
00:54:13,120 --> 00:54:10,600
Ferguson as we visited the supernova

1211
00:54:16,510 --> 00:54:13,130
science fiction and fan festival in

1212
00:54:19,390 --> 00:54:16,520
Sydney and I happen to know that very

1213
00:54:21,760 --> 00:54:19,400

soon the new episode of bunga bunga will

1214

00:54:24,370 --> 00:54:21,770

come out and there will be a video that

1215

00:54:26,710 --> 00:54:24,380

accompanies that all about supernova so

1216

00:54:29,830 --> 00:54:26,720

keep an eye out for that by visiting

1217

00:54:32,500 --> 00:54:29,840

Maynard com delay you but for this week

1218

00:54:34,960 --> 00:54:32,510

with the cats still ignoring me this is

1219

00:54:36,070 --> 00:54:34,970

Richard Saunders signing off from a very

1220

00:54:42,220 --> 00:54:36,080

chilly Sydney

1221

00:54:44,290 --> 00:54:42,230

Australia you've been listening to the

1222

00:54:48,550 --> 00:54:44,300

skeptics own podcast visit our website

1223

00:54:51,910 --> 00:54:48,560

at wwc a petting zoo TV for contacts an

1224

00:54:55,000 --> 00:54:51,920

archive of all episodes since 2008 and

1225

00:54:57,040 --> 00:54:55,010

our online store please support the

1226

00:55:00,400 --> 00:54:57,050

skeptic zone by following us on twitter

1227

00:55:03,940 --> 00:55:00,410

at skeptic zone liking us on facebook

1228

00:55:05,440 --> 00:55:03,950

and leaving a review on iTunes you can

1229

00:55:09,280 --> 00:55:05,450

also show your support by subscribing

1230

00:55:12,310 --> 00:55:09,290

via paypal for as little as 99 cents a

1231

00:55:13,960 --> 00:55:12,320

week the skeptic zone is an independent

1232

00:55:16,390 --> 00:55:13,970

production the views and opinions

1233

00:55:17,980 --> 00:55:16,400

expressed on the skeptic zone and not

1234

00:55:20,860 --> 00:55:17,990

necessarily those of Australian