

Show 463

**THE
SKEPTIC
ZONE
PODCAST**

www.skepticzone.tv

3 September 2017

This week Eran Segev chats to Cara Santa Maria

Prof. Paul Willis and Media Engagement Services

**Brew Ha Ha: Science in less time than it takes to order a coffee
Boxing Gloves stay on!**

Star Stuff interview with Heidi Robertson - Astro Anarchy

Anti-Vax doctor outs himself after a screening of VaXXed - Update



Cara Santa Maria

1
00:00:10,970 --> 00:00:02,180
this is James Randi and you're listening

2
00:00:13,759 --> 00:00:10,980
to the skeptic zone welcome to the

3
00:00:15,620 --> 00:00:13,769
skipped exam the podcast from Australia

4
00:00:17,700 --> 00:00:15,630
for science and reason

5
00:00:20,620 --> 00:00:17,710
[Music]

6
00:00:26,830 --> 00:00:20,630
[Applause]

7
00:00:29,570 --> 00:00:26,840
[Music]

8
00:00:33,080 --> 00:00:29,580
yes it's the skeptic zone podcast

9
00:00:36,140 --> 00:00:33,090
episode number 463 for the third of

10
00:00:37,940 --> 00:00:36,150
September 2017 richardsaunders here with

11
00:00:39,650 --> 00:00:37,950
you from a very interesting Sydney

12
00:00:42,950 --> 00:00:39,660
Australia where the weather's changing a

13
00:00:45,049 --> 00:00:42,960

little bit but yesterday yesterday the

14

00:00:48,830 --> 00:00:45,059

city and the surrounding areas was

15

00:00:51,670 --> 00:00:48,840

covered in smoke from various burn offs

16

00:00:54,619 --> 00:00:51,680

they're doing around the Sydney area

17

00:00:56,990 --> 00:00:54,629

because they fear this summer coming up

18

00:00:59,390 --> 00:00:57,000

will be a very bad for bushfire bushfire

19

00:01:04,640 --> 00:00:59,400

season so yesterday the city was

20

00:01:06,530 --> 00:01:04,650

blanketed in in smoke bushfire smoke but

21

00:01:08,420 --> 00:01:06,540

before we run off to fight bush fires

22

00:01:10,760 --> 00:01:08,430

what's coming up on this week's show a

23

00:01:13,969 --> 00:01:10,770

grain of salt with a run sagaie of the

24

00:01:16,640 --> 00:01:13,979

globe trotting around so give now not

25

00:01:19,940 --> 00:01:16,650

too long ago Iran Segev found himself

26
00:01:21,890 --> 00:01:19,950
with Cara Santa Maria now many of you

27
00:01:23,990 --> 00:01:21,900
know Cara Santa Maria from her work on

28
00:01:26,149 --> 00:01:24,000
the skeptics guide to the universe where

29
00:01:29,440 --> 00:01:26,159
she's one of the rogues of course but

30
00:01:31,730 --> 00:01:29,450
she's also a TV personality producer and

31
00:01:34,429 --> 00:01:31,740
podcaster in her own right

32
00:01:36,139 --> 00:01:34,439
Cara Santa Maria chats to Iran say give

33
00:01:39,050 --> 00:01:36,149
about all sorts of things including

34
00:01:42,050 --> 00:01:39,060
strange animals in Australia coming up

35
00:01:44,330 --> 00:01:42,060
at the top of the show man it's brouhaha

36
00:01:47,690 --> 00:01:44,340
science from Australia science TV with

37
00:01:52,730 --> 00:01:47,700
Casey Harrigan talking about the dangers

38
00:01:54,349 --> 00:01:52,740

of boxing and boxing gloves man I catch

39

00:01:57,080 --> 00:01:54,359

up with an old friend of mine an old

40

00:01:59,239 --> 00:01:57,090

friend of the skipping zone podcast who

41

00:02:02,539 --> 00:01:59,249

used to be known as dr. Paul Willis now

42

00:02:04,249 --> 00:02:02,549

professor Paul Willis Paul Willis was

43

00:02:06,859 --> 00:02:04,259

the director of the Royal Institution

44

00:02:09,859 --> 00:02:06,869

the people who bring you brouhaha by the

45

00:02:12,590 --> 00:02:09,869

way in a week in science before that but

46

00:02:16,150 --> 00:02:12,600

now Paul is left there and he's focusing

47

00:02:19,820 --> 00:02:16,160

on a new career with media engagement

48

00:02:23,090 --> 00:02:19,830

services and Paul will be helping

49

00:02:26,090 --> 00:02:23,100

scientists get their science out to the

50

00:02:28,790 --> 00:02:26,100

public through multimedia or general

51

00:02:30,680 --> 00:02:28,800

presentation skills so if you're a

52

00:02:32,090 --> 00:02:30,690

scientist anywhere in the world and

53

00:02:34,970 --> 00:02:32,100

you're interested in getting your

54

00:02:36,260 --> 00:02:34,980

message out to the public then I think

55

00:02:37,160 --> 00:02:36,270

you'll be very interested in this

56

00:02:40,820 --> 00:02:37,170

interview with

57

00:02:43,580 --> 00:02:40,830

professor Paul Willis then it's a very

58

00:02:45,920 --> 00:02:43,590

quick roar skeptic with Heidi Robertson

59

00:02:48,220 --> 00:02:45,930

raw skeptic report in the last of her

60

00:02:50,720 --> 00:02:48,230

reports from the recent starstuff

61

00:02:53,449 --> 00:02:50,730

Astronomy Festival in Byron Bay

62

00:02:56,360 --> 00:02:53,459

Heidi chats to Frank from Brisbane about

63

00:02:59,150 --> 00:02:56,370

Astro anarchy and if you're in the

64

00:03:00,320 --> 00:02:59,160

Brisbane area and you're into astronomy

65

00:03:03,050 --> 00:03:00,330

I think you'll find this little

66

00:03:04,729 --> 00:03:03,060

interview very interesting then to round

67

00:03:06,500 --> 00:03:04,739

off the show some updates and

68

00:03:09,260 --> 00:03:06,510

interesting news last week we brought

69

00:03:12,890 --> 00:03:09,270

you the story of the anti-vaccination GP

70

00:03:15,350 --> 00:03:12,900

who was who went to one of the

71

00:03:17,960 --> 00:03:15,360

screenings of the movie vac stand outed

72

00:03:19,460 --> 00:03:17,970

himself in the Q&A well there's an

73

00:03:21,920 --> 00:03:19,470

update to that story and what's

74

00:03:24,890 --> 00:03:21,930

happening to him and also the story of

75

00:03:29,690 --> 00:03:24,900

the world's number one self-proclaimed

76
00:03:33,470 --> 00:03:29,700
anti-vaxxer Kent Peck and lively and the

77
00:03:35,660 --> 00:03:33,480
situation is he has been denied a visa

78
00:03:39,020 --> 00:03:35,670
to enter Australia but we'll be covering

79
00:03:41,600 --> 00:03:39,030
that story at the end of the show now

80
00:03:44,330 --> 00:03:41,610
before we begin here's a note from a

81
00:03:47,690 --> 00:03:44,340
good friend of mine Chris Higgins who is

82
00:03:51,490 --> 00:03:47,700
organizing skeptic camp in Manchester on

83
00:03:55,970 --> 00:03:51,500
October the 13th now this is just before

84
00:03:57,979 --> 00:03:55,980
QED in Manchester what is skeptic camp I

85
00:03:59,270 --> 00:03:57,989
hear you cry skeptic camp is a free

86
00:04:01,060 --> 00:03:59,280
conference that celebrates the

87
00:04:04,130 --> 00:04:01,070
incredible work done by grassroots

88
00:04:06,530 --> 00:04:04,140

sceptics and activists now if you're

89

00:04:09,949 --> 00:04:06,540

going to QED or you just in the area and

90

00:04:13,280 --> 00:04:09,959

you'd like to present a short talk just

91

00:04:15,550 --> 00:04:13,290

go to skeptic camp Cote UK I'll link

92

00:04:18,229 --> 00:04:15,560

this in the show notes and register and

93

00:04:20,479 --> 00:04:18,239

you'll be slotted into the schedule and

94

00:04:22,940 --> 00:04:20,489

again thanks to the generous support of

95

00:04:24,770 --> 00:04:22,950

QED organizers skeptic at Manchester

96

00:04:26,480 --> 00:04:24,780

will be free for everybody to attend

97

00:04:29,390 --> 00:04:26,490

regardless of whether you're planning to

98

00:04:31,909 --> 00:04:29,400

attend QED or not and in fact if you

99

00:04:34,610 --> 00:04:31,919

just like to attend skeptic camp there's

100

00:04:36,409 --> 00:04:34,620

no need to book a ticket you're free to

101

00:04:38,420 --> 00:04:36,419

wander in and out of the event

102

00:04:41,150 --> 00:04:38,430

throughout the day I think we'll be

103

00:04:42,950 --> 00:04:41,160

hearing more about skeptic camp in the

104

00:04:45,500 --> 00:04:42,960

next episode of the skeptic zone with

105

00:04:47,089 --> 00:04:45,510

Chris Higgins but for now that's the

106

00:04:49,190 --> 00:04:47,099

message if you'd like to take part in

107

00:04:50,959 --> 00:04:49,200

skeptic can't be thief got something to

108

00:04:52,549 --> 00:04:50,969

say if you'd like to give a

109

00:04:55,189 --> 00:04:52,559

short presentation and you're going to

110

00:04:58,729 --> 00:04:55,199

be in Manchester for QED then I can

111

00:05:00,979 --> 00:04:58,739

really recommend skeptic amp well that's

112

00:05:02,869 --> 00:05:00,989

enough from me right now I'm going to

113

00:05:06,439 --> 00:05:02,879

run downstairs open the door leave the

114

00:05:09,019 --> 00:05:06,449

studio run downstairs look in the fridge

115

00:05:11,089 --> 00:05:09,029

see if there aren't a couple of veggie

116

00:05:13,309 --> 00:05:11,099

burgers waiting to be cooked with a

117

00:05:16,129 --> 00:05:13,319

little bit of that lovely hot sauce and

118

00:05:17,850 --> 00:05:16,139

while I munch all those I hope you enjoy

119

00:05:33,770 --> 00:05:17,860

the skeptic zone

120

00:05:47,100 --> 00:05:36,559

let's all take this with a grain of salt

121

00:05:52,710 --> 00:05:47,110

is around ticket welcome to your own

122

00:05:57,029 --> 00:05:54,629

the tracks are gonna be backward cuz I'm

123

00:05:59,040 --> 00:05:57,039

track 1 since I'm on my typical mic oh

124

00:06:01,290 --> 00:05:59,050

it's gonna be confusing for you to edit

125

00:06:06,809 --> 00:06:01,300

I'm excited to be here in my own home

126

00:06:09,409 --> 00:06:06,819

here in America well thank you for

127

00:06:14,820 --> 00:06:09,419

giving me all these fancy fancy

128

00:06:16,350 --> 00:06:14,830

recording equipment so first of all it

129

00:06:19,680 --> 00:06:16,360

was great to see you again last time we

130

00:06:21,629 --> 00:06:19,690

met was at QED in Manchester almost a

131

00:06:24,270 --> 00:06:21,639

year ago now no way we haven't seen each

132

00:06:26,249 --> 00:06:24,280

other since Manchester yeah we ate I

133

00:06:28,170 --> 00:06:26,259

remember we went to a restaurant and had

134

00:06:32,240 --> 00:06:28,180

steak and then I was very confused

135

00:06:35,249 --> 00:06:32,250

because the the bread they call pudding

136

00:06:37,320 --> 00:06:35,259

right there there was yeah basically all

137

00:06:38,700 --> 00:06:37,330

dessert in England is pudding ah see

138

00:06:40,439 --> 00:06:38,710

that's really cool what was just the

139

00:06:45,629 --> 00:06:40,449

bread that was on the side of the plane

140

00:06:48,120 --> 00:06:45,639

just bread I was like I'm so confused

141

00:06:49,560 --> 00:06:48,130

yeah I always get confused by what they

142

00:06:50,939 --> 00:06:49,570

call thank you yeah well we're going to

143

00:06:53,640 --> 00:06:50,949

confuse you some more you're going to be

144

00:06:55,860 --> 00:06:53,650

in Sydney soon okay but what's confusing

145

00:06:57,779 --> 00:06:55,870

and Sydney I'm sure we'll find something

146

00:07:01,290 --> 00:06:57,789

that fancy with I know breakfast is

147

00:07:03,899 --> 00:07:01,300

brekkie yeah that's not straightforward

148

00:07:05,820 --> 00:07:03,909

biscuits a bicky's bicky's and sea

149

00:07:07,290 --> 00:07:05,830

biscuits is the whole thing here like we

150

00:07:08,459 --> 00:07:07,300

don't have you mean biscuits like

151
00:07:10,290 --> 00:07:08,469
British biscuits are like American

152
00:07:12,659 --> 00:07:10,300
biscuits mm-hmm

153
00:07:14,540 --> 00:07:12,669
like cookies like cookies British

154
00:07:16,740 --> 00:07:14,550
biscuits in America biscuits are like

155
00:07:19,499 --> 00:07:16,750
crumbly rolls they're like breakfast

156
00:07:22,499 --> 00:07:19,509
rolls yeah it's bread and then cookies

157
00:07:24,959 --> 00:07:22,509
are cookies yeah now that they're

158
00:07:27,140 --> 00:07:24,969
cookies obviously tell your cookie so do

159
00:07:30,719 --> 00:07:27,150
you have American style

160
00:07:32,780 --> 00:07:30,729
yeah what do you call it um I think

161
00:07:37,280 --> 00:07:32,790
biscuits Hey

162
00:07:39,410 --> 00:07:37,290
I'm not a big biscuit person gravy is

163
00:07:41,570 --> 00:07:39,420

that a dish there I don't think so it's

164

00:07:43,250 --> 00:07:41,580

such a southern disgusting amazing thing

165

00:07:44,690 --> 00:07:43,260

we had a donut by the way I'm telling

166

00:07:48,740 --> 00:07:44,700

people who are listening we shared a

167

00:07:52,010 --> 00:07:48,750

doughnut earlier yeah I have to though

168

00:07:54,000 --> 00:07:52,020

just defend myself and say I only had

169

00:07:56,290 --> 00:07:54,010

one bite you had one bite and I had nine

170

00:07:58,610 --> 00:07:56,300

[Laughter]

171

00:08:00,710 --> 00:07:58,620

anyway so it's lovely to see you again

172

00:08:03,200 --> 00:08:00,720

he's giving me a tour of your wonderful

173

00:08:06,710 --> 00:08:03,210

house yeah wonderful view here it's just

174

00:08:09,560 --> 00:08:06,720

it's really so la is just really

175

00:08:11,510 --> 00:08:09,570

beautiful from here Griffith Park also

176

00:08:13,670 --> 00:08:11,520

has an observatory there and you like

177

00:08:16,130 --> 00:08:13,680

astronomy I do enough to have an eight

178

00:08:18,860 --> 00:08:16,140

each eight inch telescope in your

179

00:08:20,270 --> 00:08:18,870

lounger and I was I wanted to ask you

180

00:08:23,090 --> 00:08:20,280

about that how much do you actually get

181

00:08:24,910 --> 00:08:23,100

to see I mean la is notorious for light

182

00:08:27,920 --> 00:08:24,920

pollution yeah so in Los Angeles

183

00:08:29,480 --> 00:08:27,930

honestly it's a planetary telescope like

184

00:08:30,740 --> 00:08:29,490

if I'm gonna take it out back I'm gonna

185

00:08:33,260 --> 00:08:30,750

take it out back to show people

186

00:08:34,580 --> 00:08:33,270

generally Jupiter and Saturn they look

187

00:08:36,290 --> 00:08:34,590

the best through it you can see Saturn's

188

00:08:37,460 --> 00:08:36,300

rings you can see some banding on

189

00:08:39,440 --> 00:08:37,470

Jupiter and you can usually see the

190

00:08:42,170 --> 00:08:39,450

Galilean moons so that's exciting but

191

00:08:43,969 --> 00:08:42,180

it's also incredible to look at the moon

192

00:08:46,100 --> 00:08:43,979

through it and I do have a nice

193

00:08:49,640 --> 00:08:46,110

binocular viewer so you can put two

194

00:08:51,470 --> 00:08:49,650

lenses in and it's just 3d and stunning

195

00:08:52,910 --> 00:08:51,480

and quite easy to take photos even

196

00:08:56,420 --> 00:08:52,920

through your iPhone so that's always fun

197

00:08:58,580 --> 00:08:56,430

for people but when we go camping in

198

00:09:00,940 --> 00:08:58,590

Joshua Tree or the Sierras by

199

00:09:04,220 --> 00:09:00,950

Yellowstone a yellow zone by Yosemite oh

200

00:09:06,170 --> 00:09:04,230

my goodness like on a clear night out

201
00:09:08,360 --> 00:09:06,180
there that's when it's quite quite dark

202
00:09:11,210 --> 00:09:08,370
you can see through this telescope as

203
00:09:13,550 --> 00:09:11,220
you probably know globular clusters and

204
00:09:16,760 --> 00:09:13,560
galaxies and just a lot of those Messier

205
00:09:18,650 --> 00:09:16,770
like deep sky objects and it's just to

206
00:09:21,530 --> 00:09:18,660
anybody listening who doesn't know I

207
00:09:26,270 --> 00:09:21,540
absolutely recommend looking for

208
00:09:27,590 --> 00:09:26,280
globular clusters it's amazing takes

209
00:09:29,390 --> 00:09:27,600
your breath away the first time I saw a

210
00:09:31,460 --> 00:09:29,400
globular clusters before I ever owned my

211
00:09:33,440 --> 00:09:31,470
telescope a bunch of my friends and I

212
00:09:38,390 --> 00:09:33,450
put our money together to rent out the

213
00:09:39,920 --> 00:09:38,400

the Mount Wilson 60 inch for the night

214

00:09:42,560 --> 00:09:39,930

like Mountain Wilson is an observatory

215

00:09:44,750 --> 00:09:42,570

up by Caltech and you can actually rent

216

00:09:46,280 --> 00:09:44,760

like a full night on the telescope and

217

00:09:46,650 --> 00:09:46,290

it'll come with a telescope operator

218

00:09:47,850 --> 00:09:46,660

because

219

00:09:50,819 --> 00:09:47,860

they were not going to trust people to

220

00:09:52,410 --> 00:09:50,829

touch it and and an interpreter who will

221

00:09:55,230 --> 00:09:52,420

stand there and help you climb up on the

222

00:09:56,579 --> 00:09:55,240

ladder look through and oh my god and

223

00:09:58,110 --> 00:09:56,589

this is the telescope by the way we're

224

00:09:59,610 --> 00:09:58,120

like Hubble did his research like

225

00:10:01,079 --> 00:09:59,620

there's a locker downstairs with

226

00:10:03,900 --> 00:10:01,089

Hubble's name on it and you're like what

227

00:10:05,160 --> 00:10:03,910

it's amazing and the first time I saw a

228

00:10:08,429 --> 00:10:05,170

globular cluster was through that

229

00:10:10,860 --> 00:10:08,439

telescope and I was like audibly it's

230

00:10:13,230 --> 00:10:10,870

stunning she takes her breath away yeah

231

00:10:16,050 --> 00:10:13,240

he's quite astonishing uh we actually

232

00:10:18,929 --> 00:10:16,060

just this past weekend for just three

233

00:10:21,720 --> 00:10:18,939

days ago as of this recording for my

234

00:10:24,960 --> 00:10:21,730

friend's birthday we drove an hour and a

235

00:10:27,420 --> 00:10:24,970

half up to five from where I live there

236

00:10:29,610 --> 00:10:27,430

is a little place that it's just

237

00:10:32,160 --> 00:10:29,620

into a national park and it's called I

238

00:10:33,749 --> 00:10:32,170

think Fraser Park and it's just a place

239

00:10:35,730 --> 00:10:33,759

where a lot of amateur astronomers like

240

00:10:37,110 --> 00:10:35,740

to gather on this basketball court or

241

00:10:39,210 --> 00:10:37,120

maybe it's a park no it's a parking lot

242

00:10:41,400 --> 00:10:39,220

she's a big flat parking lot I don't

243

00:10:43,470 --> 00:10:41,410

know the town is quite dark and there's

244

00:10:44,970 --> 00:10:43,480

not there's just not a lot of people you

245

00:10:47,879 --> 00:10:44,980

know headlights or anything boning your

246

00:10:49,590 --> 00:10:47,889

shots and we were able to just lie on

247

00:10:51,720 --> 00:10:49,600

our backs out there and watch the

248

00:10:52,319 --> 00:10:51,730

Perseids meteor shower and it was so

249

00:10:54,120 --> 00:10:52,329

much fun

250

00:10:55,710 --> 00:10:54,130

that's amazing yeah and killer came and

251

00:10:57,269 --> 00:10:55,720

he slept next to us the whole time in

252

00:10:59,699 --> 00:10:57,279

our sleeping bags it was really sweet

253

00:11:02,100 --> 00:10:59,709

that's been tested so continuing on this

254

00:11:04,949 --> 00:11:02,110

theme of astronomy I'm now as you know

255

00:11:08,819 --> 00:11:04,959

on my second day of a grand tour of the

256

00:11:10,949 --> 00:11:08,829

world that is anchored on one end by the

257

00:11:13,769 --> 00:11:10,959

Eclipse that's coming up on Monday and

258

00:11:15,809 --> 00:11:13,779

then we'll end at the end of September

259

00:11:17,970 --> 00:11:15,819

with a European skeptics Congress in

260

00:11:20,220 --> 00:11:17,980

Poland and in between I'm doing a lot of

261

00:11:21,509 --> 00:11:20,230

other traveling want to talk to you

262

00:11:24,420 --> 00:11:21,519

about the eclipses so I'm going to st.

263

00:11:26,730 --> 00:11:24,430

Louis to be with a bunch of astronomy

264

00:11:30,990 --> 00:11:26,740

lovers with the family okay and Fraser

265

00:11:32,879 --> 00:11:31,000

Cain and you're going to Oregon I am I'm

266

00:11:34,230 --> 00:11:32,889

going to Oregon and I think I can safely

267

00:11:36,449 --> 00:11:34,240

say this now because it's gonna happen

268

00:11:38,549 --> 00:11:36,459

in just a few days it seems as though

269

00:11:41,699 --> 00:11:38,559

I've been hired to actually do some

270

00:11:43,499 --> 00:11:41,709

eclipse coverage in Redmond which is

271

00:11:45,210 --> 00:11:43,509

about a 14 hour drive so it's gonna be

272

00:11:47,720 --> 00:11:45,220

an intense road trip and I'm also going

273

00:11:50,920 --> 00:11:47,730

to get paid which Hey

274

00:11:54,350 --> 00:11:50,930

I get getting paid to see the Eclipse

275

00:11:57,800 --> 00:11:54,360

this would be my second Eclipse also won

276

00:11:59,360 --> 00:11:57,810

in Cannes a few years ago and it quite

277

00:12:01,189 --> 00:11:59,370

literally takes your breath away it's

278

00:12:02,720 --> 00:12:01,199

it's the kind of thing that you I don't

279

00:12:06,079 --> 00:12:02,730

think anybody who's seen the eclipse

280

00:12:08,569 --> 00:12:06,089

ever fully forgets it's it's just such

281

00:12:09,920 --> 00:12:08,579

an emotional experience I'm so excited

282

00:12:12,110 --> 00:12:09,930

because I mean it's like I know

283

00:12:13,310 --> 00:12:12,120

cognitively what to expect but I have no

284

00:12:15,530 --> 00:12:13,320

idea how it's going to affect me

285

00:12:17,480 --> 00:12:15,540

emotionally and I have all my gear and

286

00:12:20,060 --> 00:12:17,490

I'm all prepared you know and ready to

287

00:12:22,160 --> 00:12:20,070

go but I can't wait until this it's it's

288

00:12:23,900 --> 00:12:22,170

only two minutes you know that's the

289

00:12:25,790 --> 00:12:23,910

totality here for this Eclipse

290

00:12:27,680 --> 00:12:25,800

specifically it's only two to two

291

00:12:30,980 --> 00:12:27,690

minutes and in a lot of the places where

292

00:12:32,750 --> 00:12:30,990

that they have totality but I'm I gonna

293

00:12:37,040 --> 00:12:32,760

have to remind myself to breathe I think

294

00:12:43,670 --> 00:12:37,050

during this you know one minute 50

295

00:12:48,710 --> 00:12:43,680

seconds in yeah okay so you do a lot of

296

00:12:51,350 --> 00:12:48,720

work in media and communicating science

297

00:12:52,519 --> 00:12:51,360

but there's also all kinds of activities

298

00:12:54,139 --> 00:12:52,529

that you do within the skeptical

299

00:12:55,400 --> 00:12:54,149

communities of obviously first of all

300

00:12:58,009 --> 00:12:55,410

you're on the skeptics guide to the

301
00:13:02,449 --> 00:12:58,019
universe which pretty much every single

302
00:13:04,790 --> 00:13:02,459
one of our listeners knows really but

303
00:13:08,210 --> 00:13:04,800
you will also be in Australia in

304
00:13:12,860 --> 00:13:08,220
November for the for a skeptic on 2017

305
00:13:15,199 --> 00:13:12,870
the 33rd annual convention what do you

306
00:13:17,480 --> 00:13:15,209
expect oh gosh I have no idea what to

307
00:13:19,730 --> 00:13:17,490
expect I'm excited because okay I've

308
00:13:21,620 --> 00:13:19,740
been to Australia once so I feel like it

309
00:13:24,050 --> 00:13:21,630
won't be brand brand new but I've never

310
00:13:25,550 --> 00:13:24,060
been to Sydney like which is crazy so

311
00:13:28,309 --> 00:13:25,560
I'm really excited to see the city I

312
00:13:30,230 --> 00:13:28,319
remember when I was at QED last year the

313
00:13:32,530 --> 00:13:30,240

last time we saw each other and there

314

00:13:35,870 --> 00:13:32,540

was a warmth there that's very hard to

315

00:13:36,920 --> 00:13:35,880

compare to other skeptic conferences and

316

00:13:38,569 --> 00:13:36,930

that's not to say that the American

317

00:13:40,400 --> 00:13:38,579

skeptic conferences aren't also very

318

00:13:42,740 --> 00:13:40,410

warm and inviting but there was

319

00:13:44,600 --> 00:13:42,750

something very special at QED and I I

320

00:13:47,420 --> 00:13:44,610

don't know I just have a feeling we're

321

00:13:48,949 --> 00:13:47,430

gonna see the same thing in Australia I

322

00:13:51,740 --> 00:13:48,959

think it's something about having a

323

00:13:53,720 --> 00:13:51,750

smaller country that's much more

324

00:13:55,519 --> 00:13:53,730

communal you know the United States is

325

00:13:58,069 --> 00:13:55,529

just so freaking big and Australia is

326

00:14:00,170 --> 00:13:58,079

large but population wise it's it's much

327

00:14:01,519 --> 00:14:00,180

smaller population wise we're a third of

328

00:14:04,220 --> 00:14:01,529

the UK yeah

329

00:14:06,800 --> 00:14:04,230

oh that's crazy and so I just think

330

00:14:09,199 --> 00:14:06,810

there's a warmth in a community that I'm

331

00:14:11,329 --> 00:14:09,209

really looking forward to I can't wait

332

00:14:14,389 --> 00:14:11,339

to see who decides to come out to the

333

00:14:18,590 --> 00:14:14,399

show I've got to figure out exactly what

334

00:14:19,850 --> 00:14:18,600

I'm going to offer everybody coming to

335

00:14:22,670 --> 00:14:19,860

make sure that they get their money's

336

00:14:24,499 --> 00:14:22,680

worth but I'm really excited to you to

337

00:14:26,840 --> 00:14:24,509

share in this experience with everyone

338

00:14:28,519 --> 00:14:26,850

so first of all we're obviously really

339

00:14:31,160 --> 00:14:28,529

looking forward to having you there but

340

00:14:33,379 --> 00:14:31,170

I think you will find that the

341

00:14:35,689 --> 00:14:33,389

atmosphere is something that is really

342

00:14:39,579 --> 00:14:35,699

really special I think all our

343

00:14:41,540 --> 00:14:39,589

conferences have always had this very

344

00:14:43,549 --> 00:14:41,550

regardless of how big they are and

345

00:14:45,230 --> 00:14:43,559

sometimes they get you know hundreds of

346

00:14:50,210 --> 00:14:45,240

people especially the ones in Sydney

347

00:14:52,009 --> 00:14:50,220

there's always a bit of the word escaped

348

00:14:53,869 --> 00:14:52,019

me at the moment it's kind of a Internet

349

00:14:57,379 --> 00:14:53,879

it's yeah there's a bit of an intimate

350

00:14:59,059 --> 00:14:57,389

feel to it yeah even even though it's a

351
00:15:00,379 --> 00:14:59,069
large number of people of course you've

352
00:15:01,549 --> 00:15:00,389
already seen in other skeptical

353
00:15:03,499 --> 00:15:01,559
conferences you've been to there's

354
00:15:05,389 --> 00:15:03,509
there's a there's no real separation

355
00:15:07,429 --> 00:15:05,399
between the speakers and the audience

356
00:15:09,559 --> 00:15:07,439
and you just get to just mingle and chat

357
00:15:14,420 --> 00:15:09,569
and all that and that is obviously

358
00:15:18,439 --> 00:15:14,430
really nice back in 2010 we had in we

359
00:15:21,799 --> 00:15:18,449
had Tom Australia in in Sydney and we

360
00:15:26,150 --> 00:15:21,809
did it at the Masonic Center okay it's

361
00:15:28,639 --> 00:15:26,160
under the big G perfect location for a

362
00:15:30,829 --> 00:15:28,649
sceptical conference but one of the

363
00:15:34,549 --> 00:15:30,839

things that they had there was that

364

00:15:36,259 --> 00:15:34,559

there were two levels and so it didn't

365

00:15:39,259 --> 00:15:36,269

matter where you were you're always

366

00:15:40,939 --> 00:15:39,269

about seven meters away from the stat

367

00:15:42,920 --> 00:15:40,949

most seven meters away from the safe

368

00:15:45,530 --> 00:15:42,930

they're all really small and intimate

369

00:15:47,780 --> 00:15:45,540

this the venue this time is a really

370

00:15:49,480 --> 00:15:47,790

wonderful many it's not not built in the

371

00:15:52,280 --> 00:15:49,490

same in the same way but it's still

372

00:15:54,169 --> 00:15:52,290

close enough and I think you will have

373

00:15:56,809 --> 00:15:54,179

that the same feel to it in the sense

374

00:15:58,999 --> 00:15:56,819

that you always feel like you're a part

375

00:16:00,919 --> 00:15:59,009

of the part of everything that's so good

376

00:16:02,480 --> 00:16:00,929

because I feel like I'm the kind of

377

00:16:05,569 --> 00:16:02,490

person when I give talks I don't give

378

00:16:08,179 --> 00:16:05,579

can talks and I don't I don't just like

379

00:16:09,650 --> 00:16:08,189

read off of a PowerPoint not that a lot

380

00:16:11,689 --> 00:16:09,660

of people do but some people give the

381

00:16:13,989 --> 00:16:11,699

same talk over and over that it becomes

382

00:16:16,150 --> 00:16:13,999

quite practiced and rehearsed but for me

383

00:16:17,949 --> 00:16:16,160

the I mean the talk is important I guess

384

00:16:20,409 --> 00:16:17,959

but I'm much more interested in the Q&A

385

00:16:22,659 --> 00:16:20,419

part like I love the part I just get to

386

00:16:24,939 --> 00:16:22,669

interact with everybody and basically

387

00:16:27,340 --> 00:16:24,949

have a conversation so I usually will

388

00:16:29,109 --> 00:16:27,350

make my talks a little shorter too to

389

00:16:32,019 --> 00:16:29,119

allow for more time for interaction

390

00:16:33,609 --> 00:16:32,029

because I just love the idea of being

391

00:16:35,499 --> 00:16:33,619

able to see the faces of the people that

392

00:16:37,299 --> 00:16:35,509

are there and being able to hear what

393

00:16:39,129 --> 00:16:37,309

their questions and concerns are and

394

00:16:41,590 --> 00:16:39,139

really addressing those I think it can

395

00:16:44,049 --> 00:16:41,600

take the talk in a completely different

396

00:16:46,299 --> 00:16:44,059

direction and I'm always really open to

397

00:16:47,889 --> 00:16:46,309

that and it's just so fun to interact

398

00:16:49,869 --> 00:16:47,899

with people it's great

399

00:16:51,939 --> 00:16:49,879

yeah I'd much prefer a conversation and

400

00:16:59,859 --> 00:16:51,949

like I am talking at you for a whole

401
00:17:02,229 --> 00:16:59,869
street hour it's like I mean you'll come

402
00:17:04,990 --> 00:17:02,239
a few days in advance I presume and you

403
00:17:07,899 --> 00:17:05,000
will hang out a bit we'll go see some

404
00:17:10,110 --> 00:17:07,909
animals local animals yes please you

405
00:17:12,309 --> 00:17:10,120
know with the descriptive names like the

406
00:17:15,069 --> 00:17:12,319
red-bellied black snake yes very

407
00:17:19,629 --> 00:17:15,079
descriptive I know exactly what I'm and

408
00:17:21,610 --> 00:17:19,639
the dangerous brown snake yes we have

409
00:17:23,049 --> 00:17:21,620
many things here in the US that want to

410
00:17:24,549 --> 00:17:23,059
kill you as well like we have some

411
00:17:28,570 --> 00:17:24,559
pretty dangerous wildlife here but you

412
00:17:30,220 --> 00:17:28,580
guys really I think have the reputation

413
00:17:32,430 --> 00:17:30,230

it's it's because you have a lot of

414

00:17:35,590 --> 00:17:32,440

venomous animals right like we have

415

00:17:38,980 --> 00:17:35,600

dangerous big megafauna that will you

416

00:17:41,590 --> 00:17:38,990

know grizzly bears and and Pumas and you

417

00:17:42,789 --> 00:17:41,600

know things that want to use exactly

418

00:17:43,990 --> 00:17:42,799

well yeah some of them

419

00:17:46,149 --> 00:17:44,000

Pumas you might not because they smell

420

00:17:48,610 --> 00:17:46,159

from the trees but um but we don't have

421

00:17:50,560 --> 00:17:48,620

quite as many we do have some venomous

422

00:17:52,149 --> 00:17:50,570

animals and poisonous animals we're not

423

00:17:53,830 --> 00:17:52,159

nearly as many as you know I think it's

424

00:17:57,070 --> 00:17:53,840

like us then the Amazon and then

425

00:18:00,039 --> 00:17:57,080

Australia has like no most yeah Trey Lee

426

00:18:03,970 --> 00:18:00,049

is notorious for mostly for spiders and

427

00:18:05,500 --> 00:18:03,980

then snakes and the thing is you know

428

00:18:07,600 --> 00:18:05,510

like for example you have the I believe

429

00:18:10,060 --> 00:18:07,610

it's it's either the first or second

430

00:18:12,430 --> 00:18:10,070

most poisonous spider in the world

431

00:18:14,409 --> 00:18:12,440

they're funnel-web spider the full name

432

00:18:18,879 --> 00:18:14,419

of the fun lewis spider is Sydney

433

00:18:22,539 --> 00:18:18,889

funnel-web spider there you go yeah here

434

00:18:24,879 --> 00:18:22,549

we just have a it's mostly brown widows

435

00:18:26,529 --> 00:18:24,889

now we had a lot of black widows but

436

00:18:27,520 --> 00:18:26,539

they actually same thing the brown

437

00:18:29,710 --> 00:18:27,530

widows were quite in bay

438

00:18:31,480 --> 00:18:29,720

and they sort of displaced a lot of the

439

00:18:32,950 --> 00:18:31,490

black widows I don't know if we have

440

00:18:34,210 --> 00:18:32,960

many spiders that would actually kill

441

00:18:36,700 --> 00:18:34,220

order you know we've got obviously

442

00:18:38,950 --> 00:18:36,710

rattlesnakes and in certain snakes that

443

00:18:40,960 --> 00:18:38,960

can be deadly if you're not careful and

444

00:18:42,220 --> 00:18:40,970

you don't get the antivenin soon enough

445

00:18:48,700 --> 00:18:42,230

but it's they're not just like

446

00:18:50,680 --> 00:18:48,710

everywhere like they are and but okay

447

00:18:53,050 --> 00:18:50,690

funnel web spiders if you have a pool in

448

00:18:54,970 --> 00:18:53,060

Sydney you will have seen funnel web

449

00:18:58,270 --> 00:18:54,980

spiders around your pool because they

450

00:19:01,120 --> 00:18:58,280

like the like the damp soil and all that

451
00:19:03,250 --> 00:19:01,130
so and yeah and they in February around

452
00:19:05,350 --> 00:19:03,260
February when the male's go out looking

453
00:19:08,830 --> 00:19:05,360
for females they will venture into homes

454
00:19:11,020 --> 00:19:08,840
I think most in Sydney status will have

455
00:19:12,850 --> 00:19:11,030
seen a funnel web spider at some point

456
00:19:15,160 --> 00:19:12,860
the thing is they're not very aggressive

457
00:19:17,260 --> 00:19:15,170
yeah unless you really poked at them

458
00:19:19,090 --> 00:19:17,270
that's how widows are nothing nothing

459
00:19:21,510 --> 00:19:19,100
will happen to you yeah and the reality

460
00:19:26,080 --> 00:19:21,520
is that even though they're so poisonous

461
00:19:28,480 --> 00:19:26,090
the this sorry not poisonous

462
00:19:30,670 --> 00:19:28,490
it's so venomous there hasn't been a

463
00:19:32,860 --> 00:19:30,680

death from funnel-web spider in like 50

464

00:19:35,680 --> 00:19:32,870

years that's good so there's there's

465

00:19:37,630 --> 00:19:35,690

anti-venom you know yeah it's the same

466

00:19:39,310 --> 00:19:37,640

thing with our with our Puma population

467

00:19:40,690 --> 00:19:39,320

I mean it's a fascinating story I

468

00:19:42,610 --> 00:19:40,700

recommend people read about the ghost

469

00:19:44,230 --> 00:19:42,620

cats of Los Angeles cause you know we're

470

00:19:46,300 --> 00:19:44,240

a very urban area and we have these

471

00:19:50,200 --> 00:19:46,310

beautiful large cats

472

00:19:52,630 --> 00:19:50,210

Pumas Cougars what else are they called

473

00:19:54,760 --> 00:19:52,640

Panthers that all the same species just

474

00:19:56,320 --> 00:19:54,770

different euphemisms for it and hundred

475

00:19:57,880 --> 00:19:56,330

lines mountain lions yes that's another

476

00:19:59,800 --> 00:19:57,890

one and they do they stalk from the

477

00:20:01,600 --> 00:19:59,810

trees they can be quite aggressive they

478

00:20:03,610 --> 00:20:01,610

can but like they're not they don't want

479

00:20:05,530 --> 00:20:03,620

to eat people yeah you know what I mean

480

00:20:07,420 --> 00:20:05,540

it's like it's only in dire

481

00:20:09,190 --> 00:20:07,430

circumstances that that would happen or

482

00:20:12,190 --> 00:20:09,200

when people are doing stupid things and

483

00:20:14,080 --> 00:20:12,200

egging them on or actually it's the

484

00:20:16,450 --> 00:20:14,090

opposite of egging them on when you when

485

00:20:18,010 --> 00:20:16,460

you see a mountain lion in the wild

486

00:20:20,260 --> 00:20:18,020

you're supposed to act quite big and act

487

00:20:22,300 --> 00:20:20,270

like because they're they're ambush

488

00:20:23,290 --> 00:20:22,310

predator so if you act like prey they

489

00:20:25,420 --> 00:20:23,300

will think you're prey and they might

490

00:20:28,690 --> 00:20:25,430

run after you so you've got to be like

491

00:20:30,430 --> 00:20:28,700

I'm larger than you but they we have

492

00:20:32,130 --> 00:20:30,440

very few deaths if you look at like

493

00:20:34,540 --> 00:20:32,140

historically it's like just you know a

494

00:20:36,310 --> 00:20:34,550

lesson you can count on your fingers in

495

00:20:37,990 --> 00:20:36,320

like the last 50 years or something like

496

00:20:40,480 --> 00:20:38,000

that so it's the same kind of a thing

497

00:20:41,039 --> 00:20:40,490

and we have brown widows all over there

498

00:20:42,899 --> 00:20:41,049

oh

499

00:20:44,909 --> 00:20:42,909

probably walked right by five of them on

500

00:20:45,899 --> 00:20:44,919

the way into my house I love them I let

501
00:20:48,149 --> 00:20:45,909
them stay because they eat all the

502
00:20:50,789 --> 00:20:48,159
mosquitoes yeah well we you know we have

503
00:20:52,470 --> 00:20:50,799
the the most common spider in Sydney is

504
00:20:55,979 --> 00:20:52,480
actually the Huntsman there they are in

505
00:20:59,279 --> 00:20:55,989
every home and they can be they can get

506
00:21:00,960 --> 00:20:59,289
very large but again they they're not

507
00:21:04,080 --> 00:21:00,970
they don't do anything they're not

508
00:21:05,909 --> 00:21:04,090
particularly venomous yeah they they the

509
00:21:07,529 --> 00:21:05,919
mosquitoes yeah it's so important I

510
00:21:08,609 --> 00:21:07,539
don't know if you noticed but I'm moving

511
00:21:11,669 --> 00:21:08,619
away from Mike I have a giant mosquito

512
00:21:14,759 --> 00:21:11,679
bite on my cheek that I got just last

513
00:21:16,289 --> 00:21:14,769

night and it's oh it she and it makes me

514

00:21:17,820 --> 00:21:16,299

crazy because Los Angeles used to not

515

00:21:19,859 --> 00:21:17,830

really have that many mosquito I growing

516

00:21:20,669 --> 00:21:19,869

up in Texas I was eaten alive all the

517

00:21:22,320 --> 00:21:20,679

time

518

00:21:24,509 --> 00:21:22,330

climate change man we're just seeing

519

00:21:26,279 --> 00:21:24,519

them in places they never used to thrive

520

00:21:29,009 --> 00:21:26,289

it's just going farther and farther

521

00:21:30,659 --> 00:21:29,019

north so what else are you working on

522

00:21:32,909 --> 00:21:30,669

now anything else that you can talk

523

00:21:34,919 --> 00:21:32,919

about yeah so I just wrapped on season 2

524

00:21:37,049 --> 00:21:34,929

of Bill Nye saves the world so as soon

525

00:21:39,090 --> 00:21:37,059

as that M goes up on Netflix people will

526
00:21:41,519 --> 00:21:39,100
be able to watch my episodes of that

527
00:21:43,440 --> 00:21:41,529
which is fun it was great to be involved

528
00:21:44,669 --> 00:21:43,450
as Phil Plait still involved the Phil

529
00:21:45,869 --> 00:21:44,679
Plait was involved in the first season

530
00:21:48,419 --> 00:21:45,879
but I don't think he was involved in

531
00:21:50,519 --> 00:21:48,429
season two and the first season I was

532
00:21:52,560 --> 00:21:50,529
not a correspondent I was just a guest

533
00:21:54,629 --> 00:21:52,570
on one panel like a random is actually

534
00:21:57,060 --> 00:21:54,639
about our alternative medicine so it was

535
00:21:58,889 --> 00:21:57,070
quite fun to it I was on a panel with

536
00:22:00,330 --> 00:21:58,899
this guy oh my god who was just the most

537
00:22:05,369 --> 00:22:00,340
incredible as person like he just

538
00:22:07,710 --> 00:22:05,379

believed in everything is hardly the

539

00:22:09,299 --> 00:22:07,720

things that are with the crystals so

540

00:22:11,279 --> 00:22:09,309

much with the crystal and I was like oh

541

00:22:12,989 --> 00:22:11,289

I don't even know this is hard to deal

542

00:22:15,060 --> 00:22:12,999

with you know it's TV you have all these

543

00:22:16,590 --> 00:22:15,070

parameters like squeeze everything in

544

00:22:18,060 --> 00:22:16,600

within a five-minute panel it's like

545

00:22:19,830 --> 00:22:18,070

there's so much to say I was just

546

00:22:22,529 --> 00:22:19,840

shaking my head the whole time but this

547

00:22:24,299 --> 00:22:22,539

season I actually had the opportunity to

548

00:22:25,529 --> 00:22:24,309

go out and do field pieces for them so

549

00:22:26,759 --> 00:22:25,539

it was a lot of fun I'm not allowed to

550

00:22:28,799 --> 00:22:26,769

talk about what they are but once they

551
00:22:30,330 --> 00:22:28,809
go live you'll be able to see me in that

552
00:22:32,099 --> 00:22:30,340
so we just wrapped on that I actually

553
00:22:34,499 --> 00:22:32,109
have a wrap party tomorrow night

554
00:22:36,960 --> 00:22:34,509
something that you've mentioned several

555
00:22:38,609 --> 00:22:36,970
times we talked about it's over dinner

556
00:22:41,279 --> 00:22:38,619
and you've also mentioned it in several

557
00:22:44,820 --> 00:22:41,289
interviews that you've done over the

558
00:22:47,999 --> 00:22:44,830
years and that is the that thought or

559
00:22:49,210 --> 00:22:48,009
dream of sometimes at some point writing

560
00:22:50,870 --> 00:22:49,220
a book

561
00:22:53,720 --> 00:22:50,880
[Laughter]

562
00:22:55,400 --> 00:22:53,730
yeah well okay so one thing is we wrote

563
00:22:57,590 --> 00:22:55,410

a book the skeptics guide wrote a book

564

00:22:59,210 --> 00:22:57,600

and we've publicly announced it I'm

565

00:23:01,400 --> 00:22:59,220

allowed to talk about it

566

00:23:02,840 --> 00:23:01,410

we've already submitted the main first

567

00:23:04,220 --> 00:23:02,850

draft and we're just waiting on the

568

00:23:06,350 --> 00:23:04,230

publishers to go through the motions of

569

00:23:09,890 --> 00:23:06,360

although the rewrites and things so at

570

00:23:11,900 --> 00:23:09,900

least with four other guys I have done a

571

00:23:14,840 --> 00:23:11,910

bit of I mean granted Steve did like 90%

572

00:23:16,130 --> 00:23:14,850

of the work I'm sure he thought he'd

573

00:23:18,770 --> 00:23:16,140

fight me on that he would say it wasn't

574

00:23:20,330 --> 00:23:18,780

really 90% each of us wrote you know the

575

00:23:22,010 --> 00:23:20,340

chapters that we were assigned and and

576

00:23:24,140 --> 00:23:22,020

contributed but you know Steve he's such

577

00:23:24,500 --> 00:23:24,150

an overachiever so he did a lot of the

578

00:23:26,300 --> 00:23:24,510

work

579

00:23:29,000 --> 00:23:26,310

it's definitely I'm assuming it's gonna

580

00:23:30,440 --> 00:23:29,010

be by him with us you know what I mean

581

00:23:33,770 --> 00:23:30,450

is like yes it's captured by Steve

582

00:23:35,690 --> 00:23:33,780

Novello with four of us eventually maybe

583

00:23:37,340 --> 00:23:35,700

I'll write a book but nah God it's not

584

00:23:41,300 --> 00:23:37,350

gonna happen anytime soon also don't

585

00:23:43,490 --> 00:23:41,310

tell my literary agent you'd be thrilled

586

00:23:46,340 --> 00:23:43,500

to hear me say that um but you know I

587

00:23:48,050 --> 00:23:46,350

also don't know I have some ideas about

588

00:23:50,630 --> 00:23:48,060

what to write about but I think for a

589

00:23:52,760 --> 00:23:50,640

lot of spoken with a lot of publishers

590

00:23:53,750 --> 00:23:52,770

who have asked me you know do you want

591

00:23:55,880 --> 00:23:53,760

to write a book will you write a book

592

00:23:59,090 --> 00:23:55,890

can we work on a book together and a lot

593

00:24:00,830 --> 00:23:59,100

of them really want that pseudo memoir

594

00:24:03,560 --> 00:24:00,840

like that's what they want for a lot of

595

00:24:05,630 --> 00:24:03,570

authors is this book that's sort of

596

00:24:06,980 --> 00:24:05,640

about their life but also about you know

597

00:24:08,750 --> 00:24:06,990

whether it's icon or whether it's

598

00:24:10,760 --> 00:24:08,760

atheism or whether it's you know my

599

00:24:13,580 --> 00:24:10,770

experiences in psychology and I just

600

00:24:15,170 --> 00:24:13,590

feel like yeah I'm 33 I'm not a baby but

601
00:24:17,390 --> 00:24:15,180
I still feel like I'm too young to write

602
00:24:19,460 --> 00:24:17,400
a memoir like come on what the hell have

603
00:24:20,780 --> 00:24:19,470
I done I just feel like I need to wait a

604
00:24:23,960 --> 00:24:20,790
little while until there's more to say

605
00:24:26,000 --> 00:24:23,970
where do people find out more I mean I'm

606
00:24:27,530 --> 00:24:26,010
assuming that a significant proportion

607
00:24:29,450 --> 00:24:27,540
of the people listening already know who

608
00:24:31,460 --> 00:24:29,460
you are but maybe you could just say

609
00:24:32,930 --> 00:24:31,470
tell us about a few of the outlets where

610
00:24:34,430 --> 00:24:32,940
people can find you and listen to you

611
00:24:37,040 --> 00:24:34,440
listen to you Oh shameless plug I'm

612
00:24:38,390 --> 00:24:37,050
really good at that so people who are

613
00:24:39,470 --> 00:24:38,400

listening right now probably know me

614

00:24:41,630 --> 00:24:39,480

from the skeptics guide to the universe

615

00:24:43,760 --> 00:24:41,640

which is an incredible podcast which has

616

00:24:45,890 --> 00:24:43,770

been around for 11 maybe going on 12

617

00:24:49,640 --> 00:24:45,900

years which has an insane listenership

618

00:24:51,920 --> 00:24:49,650

and is a machine I also have my own

619

00:24:54,140 --> 00:24:51,930

podcast which I've been doing longer

620

00:24:55,790 --> 00:24:54,150

than I've been with us gu not longer

621

00:24:57,050 --> 00:24:55,800

than SGU has been going but much longer

622

00:24:59,570 --> 00:24:57,060

than I've been with this to you and it's

623

00:25:02,420 --> 00:24:59,580

still quite a small podcast and I would

624

00:25:03,869 --> 00:25:02,430

love for more people to listen to it so

625

00:25:08,549 --> 00:25:03,879

if you are interested in

626

00:25:09,989 --> 00:25:08,559

of a different approach talk nerdy with

627

00:25:11,819 --> 00:25:09,999

Cara Santa Maria that's what it's called

628

00:25:15,089 --> 00:25:11,829

it's a totally different podcast than

629

00:25:16,349 --> 00:25:15,099

SGO its long-form it's really

630

00:25:18,029 --> 00:25:16,359

conversational and it's just one-on-one

631

00:25:19,889 --> 00:25:18,039

interviews with interesting people

632

00:25:22,649 --> 00:25:19,899

mostly scientists sometimes atheists

633

00:25:24,719 --> 00:25:22,659

sometimes skeptics but mostly people

634

00:25:26,369 --> 00:25:24,729

with in the sciences so one on one for

635

00:25:28,919 --> 00:25:26,379

an hour long I dropped them every Monday

636

00:25:30,449 --> 00:25:28,929

so if you just subscribed on iTunes or

637

00:25:32,339 --> 00:25:30,459

you know any of the different podcast

638

00:25:33,989 --> 00:25:32,349

apps that you use it's called talk nerdy

639

00:25:35,609 --> 00:25:33,999

easy to find and then you can learn

640

00:25:37,379 --> 00:25:35,619

basically everything else by going to my

641

00:25:38,249 --> 00:25:37,389

website Cara Santa Maria comm you can

642

00:25:40,259 --> 00:25:38,259

link out to my Twitter and my facebook

643

00:25:40,829 --> 00:25:40,269

most everything is like at Cara Santa

644

00:25:42,599 --> 00:25:40,839

Maria

645

00:25:44,099 --> 00:25:42,609

but like Instagram I was late to the

646

00:25:46,319 --> 00:25:44,109

game so there's underscores in my name

647

00:25:48,119 --> 00:25:46,329

somebody already had my name damn it and

648

00:25:50,249 --> 00:25:48,129

I think on Facebook I'm slash science

649

00:25:52,529 --> 00:25:50,259

Cara something like that but I I think

650

00:25:54,419 --> 00:25:52,539

I'm the only Cara Santa Maria that does

651
00:25:55,680 --> 00:25:54,429
anything remotely related to science so

652
00:25:58,889 --> 00:25:55,690
I'm pretty easy to find

653
00:26:01,439 --> 00:25:58,899
that's very good so well Cara I believe

654
00:26:05,999 --> 00:26:01,449
actually there you record the your

655
00:26:10,859 --> 00:26:06,009
podcast talk nerdy from from the skeptic

656
00:26:13,439 --> 00:26:10,869
zones la studio it's - it's weird how

657
00:26:16,289 --> 00:26:13,449
like your studio is so adapted to my

658
00:26:17,999 --> 00:26:16,299
personal taste you know yeah we always

659
00:26:21,139 --> 00:26:18,009
we do that with every person we

660
00:26:23,430 --> 00:26:21,149
interview you know like dinosaurs

661
00:26:25,919 --> 00:26:23,440
somehow you have the lightsaber that the

662
00:26:28,769 --> 00:26:25,929
SU even have a dog here that looks

663
00:26:33,629 --> 00:26:28,779

exactly like your dog so bizarre yeah I

664

00:26:35,530 --> 00:26:33,639

mean I just I feel really at home thank

665

00:26:40,480 --> 00:26:35,540

you very much thank you

666

00:26:50,580 --> 00:26:46,510

on Maynard kaamdar you welcome to Banga

667

00:26:52,600 --> 00:26:50,590

Banga 39 39 episodes 39 events 39

668

00:26:54,490 --> 00:26:52,610

cataclysm errs with a show that

669

00:26:56,770 --> 00:26:54,500

challenges the government the god and

670

00:27:01,270 --> 00:26:56,780

your very self on today's show you'll

671

00:27:05,490 --> 00:27:01,280

hear Angela here make away all menacing

672

00:27:10,060 --> 00:27:08,500

and two more we hear from you well we

673

00:27:13,480 --> 00:27:10,070

won't be talking about this you're a

674

00:27:29,710 --> 00:27:13,490

selfish arrogant

675

00:27:31,780 --> 00:27:29,720

Maynard calm Donna you are you and now

676

00:27:32,740 --> 00:27:31,790

direct from the cafe and Australia's

677

00:27:36,250 --> 00:27:32,750

Science Channel

678

00:27:39,220 --> 00:27:36,260

it's brouhaha science in less time that

679

00:27:43,530 --> 00:27:39,230

it takes to order a coffee with Casey

680

00:27:48,100 --> 00:27:46,330

good call ref you were right to end the

681

00:27:50,680 --> 00:27:48,110

fight an award Floyd Mayweather a

682

00:27:52,480 --> 00:27:50,690

technical knockout on Conor McGregor the

683

00:27:54,490 --> 00:27:52,490

decision has been really controversial

684

00:27:56,290 --> 00:27:54,500

but we're sure which corner of the ring

685

00:27:58,990 --> 00:27:56,300

we're in for a predictable reason

686

00:28:00,880 --> 00:27:59,000

science we look for evidence when we

687

00:28:02,500 --> 00:28:00,890

make our decisions and there's a lot of

688

00:28:05,470 --> 00:28:02,510

it out there showing that boxing gloves

689

00:28:08,500 --> 00:28:05,480

a dangerous Mayweather was raining hit

690

00:28:10,299 --> 00:28:08,510

upon hit upon hit on McGregor landing

691

00:28:13,210 --> 00:28:10,309

the full force of his punches on the

692

00:28:15,220 --> 00:28:13,220

Irishman skull if the men hadn't been

693

00:28:17,710 --> 00:28:15,230

wearing gloves they would have been more

694

00:28:20,980 --> 00:28:17,720

at risk of crack jaws lost teeth and

695

00:28:23,200 --> 00:28:20,990

crucially broken fists but their risk of

696

00:28:25,660 --> 00:28:23,210

brain damage and a total knockout would

697

00:28:27,250 --> 00:28:25,670

have dropped dramatically fingers and

698

00:28:29,860 --> 00:28:27,260

Knuckles are going to give out long

699

00:28:31,600 --> 00:28:29,870

before a skull does you just can train

700

00:28:34,090 --> 00:28:31,610

boys on someone before your hands give

701
00:28:36,130 --> 00:28:34,100
out bare knuckle boxing was a sport in

702
00:28:38,410 --> 00:28:36,140
the USA for a hundred years and there

703
00:28:40,299 --> 00:28:38,420
wasn't a single fatality but these days

704
00:28:42,430 --> 00:28:40,309
with gloves there are three or four

705
00:28:44,710 --> 00:28:42,440
deaths a year and about three out of

706
00:28:47,410 --> 00:28:44,720
every 20 professional fighters has

707
00:28:49,780 --> 00:28:47,420
permanent brain damage we're in no rush

708
00:28:54,999 --> 00:28:49,790
to see these stats get bigger and that's

709
00:29:39,649 --> 00:28:58,369
for more brouhaha and australian science

710
00:29:47,869 --> 00:29:44,060
IM a professor Oh what do you professor

711
00:29:50,180 --> 00:29:47,879
what do I profess I am a professor an

712
00:29:52,789 --> 00:29:50,190
adjunct associate professor of

713
00:29:53,899 --> 00:29:52,799

vertebrate paleontology at Flinders

714

00:29:56,749 --> 00:29:53,909

University

715

00:29:58,549 --> 00:29:56,759

now listeners will well remember over

716

00:30:00,830 --> 00:29:58,559

the years Paul we've had discussions on

717

00:30:03,739 --> 00:30:00,840

the skeptic zone you were until very

718

00:30:06,139 --> 00:30:03,749

recently the director of the Royal

719

00:30:08,749 --> 00:30:06,149

Institution in Adelaide now these are

720

00:30:09,950 --> 00:30:08,759

the fine people who bring us every week

721

00:30:12,340 --> 00:30:09,960

brouhaha

722

00:30:16,190 --> 00:30:12,350

but you've moved on yeah that's right

723

00:30:17,960 --> 00:30:16,200

Richard look I I was director at the

724

00:30:20,090 --> 00:30:17,970

Royal Institution for six years and

725

00:30:24,710 --> 00:30:20,100

that's that's a good innings for a

726

00:30:27,440 --> 00:30:24,720

director of anything and to be honest I

727

00:30:30,109 --> 00:30:27,450

had reached a point where I'd done more

728

00:30:31,879 --> 00:30:30,119

than I thought that I ever could for the

729

00:30:37,070 --> 00:30:31,889

institution we'd set up Australia's

730

00:30:38,810 --> 00:30:37,080

Science Channel and the future really

731

00:30:40,999 --> 00:30:38,820

required a different skill set a

732

00:30:43,099 --> 00:30:41,009

different set of eyes to take the

733

00:30:45,950 --> 00:30:43,109

institution in the future I recognised

734

00:30:48,580 --> 00:30:45,960

that the council recognized that and so

735

00:30:51,470 --> 00:30:48,590

it was it was an amicable and and a

736

00:30:53,539 --> 00:30:51,480

positive thing that's happened it was

737

00:30:56,479 --> 00:30:53,549

the time things do buy things evolve

738

00:30:57,889 --> 00:30:56,489

shall we say well you know the the boot

739

00:30:59,840 --> 00:30:57,899

on the other foot you would look across

740

00:31:01,519 --> 00:30:59,850

corporate Australia and it's littered

741

00:31:01,970 --> 00:31:01,529

with companies that are going down the

742

00:31:04,180 --> 00:31:01,980

gurgler

743

00:31:07,450 --> 00:31:04,190

because the management have

744

00:31:09,759 --> 00:31:07,460

long not recognized the limits of their

745

00:31:12,549 --> 00:31:09,769

own abilities and I do not want to be

746

00:31:14,440 --> 00:31:12,559

measured in their ranks right so you

747

00:31:15,730 --> 00:31:14,450

know it was time to get out it was time

748

00:31:19,779 --> 00:31:15,740

to move on

749

00:31:22,419 --> 00:31:19,789

and look that Australia Science Channel

750

00:31:24,789 --> 00:31:22,429

and the Royal Institution are going from

751

00:31:26,169 --> 00:31:24,799

strength to strength and indeed I'm

752

00:31:29,200 --> 00:31:26,179

going from strength to strength as well

753

00:31:30,820 --> 00:31:29,210

well it's because of you of course for

754

00:31:34,149 --> 00:31:30,830

many years on the sceptic zone we were

755

00:31:35,619 --> 00:31:34,159

running a week in science which was a at

756

00:31:37,960 --> 00:31:35,629

heart I guess it was a video

757

00:31:39,909 --> 00:31:37,970

presentation but it certainly worked his

758

00:31:41,560 --> 00:31:39,919

audio and I would use the audio from

759

00:31:44,009 --> 00:31:41,570

that to present on the skeptic zone and

760

00:31:46,749 --> 00:31:44,019

more recently brouhaha which was sort of

761

00:31:49,299 --> 00:31:46,759

sprang from a week in science didn't him

762

00:31:53,110 --> 00:31:49,309

now you did right there Richard you know

763

00:31:57,669 --> 00:31:53,120

there was a natural evolution from a

764

00:32:00,009 --> 00:31:57,679

week in science to brouhaha and I'm I'm

765

00:32:03,850 --> 00:32:00,019

actually proud of the fact that a week

766

00:32:06,519 --> 00:32:03,860

in science was my idea it was something

767

00:32:10,090 --> 00:32:06,529

that I bought into the Royal Institution

768

00:32:11,619 --> 00:32:10,100

and said the guys on the on the floor

769

00:32:15,100 --> 00:32:11,629

look this is something that we should be

770

00:32:18,460 --> 00:32:15,110

doing and it evolved into brouhaha which

771

00:32:21,100 --> 00:32:18,470

was actually the other direction it was

772

00:32:23,830 --> 00:32:21,110

the guys on the ground saying actually

773

00:32:25,869 --> 00:32:23,840

we want to try and do this and it was it

774

00:32:28,450 --> 00:32:25,879

was my privilege as the director to say

775

00:32:30,460 --> 00:32:28,460

okay have a crack at it and about a

776

00:32:33,369 --> 00:32:30,470

month ago we interviewed Casey Harrigan

777

00:32:36,549 --> 00:32:33,379

and she was explaining to us that it's

778

00:32:38,619 --> 00:32:36,559

it's they write it and then they present

779

00:32:40,690 --> 00:32:38,629

it to the camera and then it's uploaded

780

00:32:42,340 --> 00:32:40,700

and it's you know it's about a minute

781

00:32:45,220 --> 00:32:42,350

minute and a half of little science

782

00:32:48,490 --> 00:32:45,230

bytes isn't it well you know in this day

783

00:32:50,379 --> 00:32:48,500

and age when so much is consumed online

784

00:32:53,230 --> 00:32:50,389

a minute and a half is a good length of

785

00:32:56,769 --> 00:32:53,240

time it's not bad to have anything you

786

00:33:00,629 --> 00:32:56,779

know and and when you look at the stats

787

00:33:03,399 --> 00:33:00,639

of what people are doing online if you

788

00:33:06,700 --> 00:33:03,409

you pull up the stats for any one month

789

00:33:09,730 --> 00:33:06,710

in social media it's about one third

790

00:33:12,730 --> 00:33:09,740

Facebook it's about one third all of the

791

00:33:15,249 --> 00:33:12,740

other social media platforms the missing

792

00:33:17,010 --> 00:33:15,259

third is YouTube and that's video only

793

00:33:21,000 --> 00:33:17,020

yeah and so if

794

00:33:23,220 --> 00:33:21,010

you want to be effective in social media

795

00:33:28,070 --> 00:33:23,230

you really ought to be in that video

796

00:33:30,900 --> 00:33:28,080

space and most of those people who are

797

00:33:34,640 --> 00:33:30,910

interacting with YouTube and interacting

798

00:33:37,260 --> 00:33:34,650

with videos in that social media space

799

00:33:39,540 --> 00:33:37,270

they're doing it on their phones they're

800

00:33:42,300 --> 00:33:39,550

doing incidental to everything else in

801
00:33:45,300 --> 00:33:42,310
their lives they don't want to be nailed

802
00:33:46,500 --> 00:33:45,310
down for an hour watching documentaries

803
00:33:49,350 --> 00:33:46,510
I don't want to be there for 20 minutes

804
00:33:51,960 --> 00:33:49,360
that minute and a half that's good

805
00:33:53,520 --> 00:33:51,970
one message get in there get out yeah

806
00:33:56,370 --> 00:33:53,530
that's the way it's going to work and

807
00:33:57,810 --> 00:33:56,380
and it's not just one bruja hire every

808
00:34:00,150 --> 00:33:57,820
week although on the skeptics and we

809
00:34:01,920 --> 00:34:00,160
play one but it can sometimes be two or

810
00:34:03,900 --> 00:34:01,930
three or four and that's why I encourage

811
00:34:06,000 --> 00:34:03,910
our listeners to go to the channel

812
00:34:07,950 --> 00:34:06,010
itself to go to Australia science TV

813
00:34:10,590 --> 00:34:07,960

where they can see much more than just

814

00:34:13,350 --> 00:34:10,600

brouhaha and there again and giving

815

00:34:15,360 --> 00:34:13,360

credit to you all that revolution that

816

00:34:17,790 --> 00:34:15,370

the Royal Institution came about under

817

00:34:20,870 --> 00:34:17,800

your directorship yet Australia's

818

00:34:24,120 --> 00:34:20,880

Science Channel it's a unique Beast and

819

00:34:27,960 --> 00:34:24,130

the best description that I've heard of

820

00:34:32,340 --> 00:34:27,970

it is it's the farmers market for

821

00:34:35,370 --> 00:34:32,350

science communication in that you know a

822

00:34:38,610 --> 00:34:35,380

researcher can put out their own videos

823

00:34:40,889 --> 00:34:38,620

about their research much like a farmer

824

00:34:43,919 --> 00:34:40,899

can have a roadside stool and hope to

825

00:34:46,950 --> 00:34:43,929

capture passing traffic ah but what you

826

00:34:49,380 --> 00:34:46,960

can also do is you can take your produce

827

00:34:52,710 --> 00:34:49,390

to a central market like Australia's

828

00:34:54,659 --> 00:34:52,720

Science Channel and yes your video will

829

00:34:58,050 --> 00:34:54,669

be there alongside loads of other

830

00:35:01,440 --> 00:34:58,060

researchers but there is a much larger

831

00:35:07,050 --> 00:35:01,450

audience there to consume it yeah and I

832

00:35:09,660 --> 00:35:07,060

think that the the ideological Rubicon

833

00:35:12,750 --> 00:35:09,670

that we crossed with Australia's Science

834

00:35:15,930 --> 00:35:12,760

Channel is we took the communication of

835

00:35:18,690 --> 00:35:15,940

science directly from the researchers to

836

00:35:21,600 --> 00:35:18,700

the audience if researchers can make

837

00:35:23,490 --> 00:35:21,610

their own story they can post it up on

838

00:35:26,310 --> 00:35:23,500

Australia's Science Channel and tell the

839

00:35:28,960 --> 00:35:26,320

world about it yeah you know all of my

840

00:35:32,560 --> 00:35:28,970

professional career as a science really

841

00:35:33,940 --> 00:35:32,570

you Nicator I've been at the ABC I've

842

00:35:36,250 --> 00:35:33,950

been at the Royal Institution

843

00:35:39,849 --> 00:35:36,260

particularly at the ABC I was a

844

00:35:42,640 --> 00:35:39,859

journalist now I don't wish to denigrate

845

00:35:45,310 --> 00:35:42,650

that particular profession but in the

846

00:35:47,680 --> 00:35:45,320

overall flow of ideas if anything I got

847

00:35:51,730 --> 00:35:47,690

in the way because when a researcher

848

00:35:54,760 --> 00:35:51,740

told me their story it became my story

849

00:35:57,760 --> 00:35:54,770

and I had to tell that story in a

850

00:36:01,780 --> 00:35:57,770

particular way to appeal to a bigger

851
00:36:04,330 --> 00:36:01,790
audience yeah to meet metrics that were

852
00:36:06,940 --> 00:36:04,340
imposed by the organization which meant

853
00:36:11,620 --> 00:36:06,950
that the story the researcher wanted to

854
00:36:13,830 --> 00:36:11,630
tell was no longer in play and by being

855
00:36:18,609 --> 00:36:13,840
able to take the journalist out of that

856
00:36:20,349 --> 00:36:18,619
communication being able to create this

857
00:36:23,920 --> 00:36:20,359
conjurer where you could go straight

858
00:36:27,250 --> 00:36:23,930
from the researcher to the world that I

859
00:36:30,609 --> 00:36:27,260
think is probably the the biggest

860
00:36:32,109 --> 00:36:30,619
contribution I've made to science it's

861
00:36:34,839 --> 00:36:32,119
happening it's happening in such an

862
00:36:36,690 --> 00:36:34,849
incredible rate but I guess and before

863
00:36:40,210 --> 00:36:36,700

we move on to what you're doing now

864

00:36:42,280 --> 00:36:40,220

there is that grey area where yes

865

00:36:44,890 --> 00:36:42,290

anybody you know even a fool like me you

866

00:36:47,020 --> 00:36:44,900

can pick up a phone and or an instrument

867

00:36:49,000 --> 00:36:47,030

and make a podcast or the guy down the

868

00:36:50,849 --> 00:36:49,010

street or whatever there's that

869

00:36:53,530 --> 00:36:50,859

interesting gray area well that's good

870

00:36:56,800 --> 00:36:53,540

but you have to make it palatable

871

00:36:59,260 --> 00:36:56,810

presentable entertaining for the for the

872

00:37:02,260 --> 00:36:59,270

audience somewhat you're dead right if

873

00:37:04,450 --> 00:37:02,270

there are people researchers and

874

00:37:06,010 --> 00:37:04,460

otherwise that should never be given an

875

00:37:10,089 --> 00:37:06,020

opportunity to stand in front of a

876

00:37:11,829 --> 00:37:10,099

camera or a microphone and I think we

877

00:37:14,970 --> 00:37:11,839

all know who I'm talking about you know

878

00:37:19,810 --> 00:37:14,980

it's that guy in the lab down the corner

879

00:37:23,440 --> 00:37:19,820

but then in this day and age as you've

880

00:37:26,650 --> 00:37:23,450

just pointed out the technology is there

881

00:37:29,170 --> 00:37:26,660

yeah and the environment is there to

882

00:37:31,450 --> 00:37:29,180

allow people that want to try and tell

883

00:37:33,970 --> 00:37:31,460

their own story to the world to do it to

884

00:37:37,390 --> 00:37:33,980

do it all they need is a bit of training

885

00:37:39,940 --> 00:37:37,400

yeah and that's where my new life now

886

00:37:41,650 --> 00:37:39,950

this is interesting very excited to hear

887

00:37:42,740 --> 00:37:41,660

about this I mean you had wonderful

888

00:37:44,840 --> 00:37:42,750

success at the Abbey

889

00:37:46,970 --> 00:37:44,850

see when you're on on-air science

890

00:37:49,280 --> 00:37:46,980

presenter and of course who many people

891

00:37:50,960 --> 00:37:49,290

remember you from that and it goes

892

00:37:52,760 --> 00:37:50,970

without saying that the wonderful things

893

00:37:54,050 --> 00:37:52,770

you did at the Royal Institution but now

894

00:37:54,710 --> 00:37:54,060

you've moved on to a very interesting

895

00:37:58,070 --> 00:37:54,720

field

896

00:38:02,450 --> 00:37:58,080

yeah well I've set my own company in

897

00:38:06,290 --> 00:38:02,460

setting up the the the Australia Science

898

00:38:08,750 --> 00:38:06,300

Channel it's a it's a wonderful model

899

00:38:12,140 --> 00:38:08,760

okay we get researchers to tell our

900

00:38:14,570 --> 00:38:12,150

stories and if their universities or

901
00:38:17,210 --> 00:38:14,580
their institutions members of the Royal

902
00:38:18,950 --> 00:38:17,220
Institution then we can put it straight

903
00:38:19,700 --> 00:38:18,960
up through Australia's Science Channel

904
00:38:23,330 --> 00:38:19,710
to the world

905
00:38:24,830 --> 00:38:23,340
nice little conduit of information if

906
00:38:26,450 --> 00:38:24,840
there was a weak link in the chain it

907
00:38:28,520 --> 00:38:26,460
was that there's a lot of researchers

908
00:38:32,600 --> 00:38:28,530
out there who simply don't know how to

909
00:38:34,370 --> 00:38:32,610
tell their story who've been exposed to

910
00:38:36,200 --> 00:38:34,380
social media training that terrifies

911
00:38:39,110 --> 00:38:36,210
them yeah you know because they say

912
00:38:41,030 --> 00:38:39,120
things like yes you you only have to

913
00:38:43,730 --> 00:38:41,040

spend two hours a week on LinkedIn so

914

00:38:46,340 --> 00:38:43,740

it's like what researcher has got two

915

00:38:48,280 --> 00:38:46,350

hours of their life a week to devote to

916

00:38:51,260 --> 00:38:48,290

linkedin let alone all the other stuff

917

00:38:55,640 --> 00:38:51,270

there's been all this around social

918

00:38:59,540 --> 00:38:55,650

media training and there's been a whole

919

00:39:02,750 --> 00:38:59,550

load of understanding about how to use

920

00:39:05,930 --> 00:39:02,760

the modern technology you've mastered it

921

00:39:08,030 --> 00:39:05,940

brilliantly as this is a living example

922

00:39:11,690 --> 00:39:08,040

of what we're doing right now I guess so

923

00:39:15,170 --> 00:39:11,700

you know I mean this when you consider

924

00:39:18,350 --> 00:39:15,180

that what we're doing now with just your

925

00:39:21,830 --> 00:39:18,360

phone with a rather silly sock over

926
00:39:24,860 --> 00:39:21,840
there yes you know back in the day when

927
00:39:27,350 --> 00:39:24,870
I started on radio to produce something

928
00:39:29,030 --> 00:39:27,360
similar took thousands of dollars worth

929
00:39:32,690 --> 00:39:29,040
of equipment of course and years of

930
00:39:35,060 --> 00:39:32,700
training yes yes we can now do that yeah

931
00:39:37,100 --> 00:39:35,070
yeah anybody who's got a mobile phone

932
00:39:39,530 --> 00:39:37,110
can actually do what we're doing at the

933
00:39:42,170 --> 00:39:39,540
moment anybody who's got a mobile phone

934
00:39:44,630 --> 00:39:42,180
and knows how to use it can produce a

935
00:39:47,020 --> 00:39:44,640
mini documentary you go to Australia's

936
00:39:50,150 --> 00:39:47,030
Science Channel and you will see

937
00:39:53,690 --> 00:39:50,160
documentaries that I have produced shot

938
00:39:55,420 --> 00:39:53,700

and saw them completely edited all on my

939

00:39:59,349 --> 00:39:55,430

mobile phone

940

00:40:01,480 --> 00:39:59,359

and how do we teach those skills to

941

00:40:04,510 --> 00:40:01,490

those researchers who want to tell the

942

00:40:05,410 --> 00:40:04,520

world about their research and it goes

943

00:40:08,980 --> 00:40:05,420

beyond that

944

00:40:11,319 --> 00:40:08,990

it's not just the kind of ego-driven I

945

00:40:14,079 --> 00:40:11,329

want to tell my story to the world Here

946

00:40:15,880 --> 00:40:14,089

I am ladies and gentlemen no it's it's

947

00:40:19,599 --> 00:40:15,890

beyond that because in this day and age

948

00:40:23,490 --> 00:40:19,609

a measure of your outreach and your

949

00:40:25,510 --> 00:40:23,500

engagement as a researcher is a strong

950

00:40:29,290 --> 00:40:25,520

indicator that you're gonna get your

951
00:40:32,440 --> 00:40:29,300
next grant interesting barley right out

952
00:40:36,490 --> 00:40:32,450
of your grant funding proposal yeah it

953
00:40:39,609 --> 00:40:36,500
is 10% of IRC grants is based around

954
00:40:42,460 --> 00:40:39,619
outreach and engagement so what we're

955
00:40:44,920 --> 00:40:42,470
talking about isn't marketing it's not

956
00:40:46,900 --> 00:40:44,930
showmanship around your research it's

957
00:40:49,420 --> 00:40:46,910
your professional development as a

958
00:40:51,220 --> 00:40:49,430
researcher to get out there and tell

959
00:40:54,400 --> 00:40:51,230
your story in the most effective ways

960
00:40:56,650 --> 00:40:54,410
it's not difficult and my business now

961
00:40:58,750 --> 00:40:56,660
is I can show you how to do it

962
00:41:02,200 --> 00:40:58,760
Wow there you're absolutely right I mean

963
00:41:05,200 --> 00:41:02,210

I just I don't know how this little

964

00:41:07,000 --> 00:41:05,210

sound but I've been doing multimedia for

965

00:41:09,370 --> 00:41:07,010

many many many years in the podcast now

966

00:41:10,900 --> 00:41:09,380

for nearly 10 years so it's a sec I

967

00:41:13,870 --> 00:41:10,910

don't give it a second thought of more

968

00:41:15,910 --> 00:41:13,880

but for the scientists out there in her

969

00:41:18,549 --> 00:41:15,920

laboratory and think I need to get this

970

00:41:20,380 --> 00:41:18,559

message out and doesn't know how to do

971

00:41:22,270 --> 00:41:20,390

the video editing or the audio editing

972

00:41:24,520 --> 00:41:22,280

or to make this and this is where you

973

00:41:27,819 --> 00:41:24,530

can help and it's not difficult because

974

00:41:30,430 --> 00:41:27,829

you know if you can write a paper in a

975

00:41:33,760 --> 00:41:30,440

peer-reviewed journal all you need to do

976
00:41:35,799 --> 00:41:33,770
is know how to put some adjectives back

977
00:41:37,599 --> 00:41:35,809
in there in the right places and you've

978
00:41:40,120 --> 00:41:37,609
got a blog yeah yeah and if you've got a

979
00:41:42,549 --> 00:41:40,130
blog and you know how to read it into

980
00:41:45,730 --> 00:41:42,559
your phone you've got a podcast and if

981
00:41:47,950 --> 00:41:45,740
you have gotten as far as a podcast then

982
00:41:49,599 --> 00:41:47,960
you've got a story and you can simply

983
00:41:51,849 --> 00:41:49,609
turn the video camera on your phone and

984
00:41:54,490 --> 00:41:51,859
next thing you've got a video blog you

985
00:41:57,250 --> 00:41:54,500
know oh we've got all we have to do is

986
00:41:59,410 --> 00:41:57,260
show people how to do this and and then

987
00:42:01,000 --> 00:41:59,420
we will open that conduit and that's

988
00:42:03,039 --> 00:42:01,010

what you want to do yeah exactly

989

00:42:07,720 --> 00:42:03,049

please tell us more about your venture

990

00:42:11,020 --> 00:42:07,730

well what I actually wanted to

991

00:42:13,900 --> 00:42:11,030

- also throw in his and this will be of

992

00:42:17,290 --> 00:42:13,910

interest to a lot of your listeners is I

993

00:42:20,920 --> 00:42:17,300

have recently been made an ambassador

994

00:42:24,450 --> 00:42:20,930

for the National Secular Lobby now this

995

00:42:28,329 --> 00:42:24,460

is a new group that has been raised

996

00:42:31,329 --> 00:42:28,339

largely in opposition to groups like the

997

00:42:34,450 --> 00:42:31,339

Australian Christian Lobby in the US in

998

00:42:37,270 --> 00:42:34,460

the Australian political landscape there

999

00:42:39,970 --> 00:42:37,280

are a number of lobby groups that will

1000

00:42:42,339 --> 00:42:39,980

put non-secular positions will put

1001
00:42:44,800 --> 00:42:42,349
religious positions out there yeah and

1002
00:42:45,160 --> 00:42:44,810
they're largely unchallenged who's out

1003
00:42:48,849 --> 00:42:45,170
there

1004
00:42:51,339 --> 00:42:48,859
saying this is actually a secular

1005
00:42:53,500 --> 00:42:51,349
country right these are the principles

1006
00:42:58,690 --> 00:42:53,510
that we were founded on we were not

1007
00:42:59,770 --> 00:42:58,700
founded on a principle of freedom of

1008
00:43:01,930 --> 00:42:59,780
religion

1009
00:43:05,500 --> 00:43:01,940
we were actually founded on a principle

1010
00:43:08,470 --> 00:43:05,510
of freedom from religion because you

1011
00:43:10,270 --> 00:43:08,480
didn't want the Catholics interfering

1012
00:43:11,620 --> 00:43:10,280
with the Anglicans and you didn't want

1013
00:43:13,329 --> 00:43:11,630

the Anglicans and the Catholics

1014

00:43:14,109 --> 00:43:13,339

interfering with the Baptist's and so on

1015

00:43:17,589 --> 00:43:14,119

and so forth

1016

00:43:20,829 --> 00:43:17,599

we had the principle enshrined in our

1017

00:43:23,380 --> 00:43:20,839

society of a secular society yeah which

1018

00:43:27,250 --> 00:43:23,390

is about freedom from religion yeah

1019

00:43:31,210 --> 00:43:27,260

freedom of religion yeah and so to raise

1020

00:43:34,059 --> 00:43:31,220

a voice to that to say I don't care what

1021

00:43:36,910 --> 00:43:34,069

the hell you want to believe at the

1022

00:43:39,930 --> 00:43:36,920

moment in Australian society you can

1023

00:43:43,420 --> 00:43:39,940

believe something as crazy as

1024

00:43:47,319 --> 00:43:43,430

Scientology mm-hm and still get a tax

1025

00:43:48,849 --> 00:43:47,329

break for doing it yeah that's not the

1026

00:43:50,980 --> 00:43:48,859

principle that we want to address up

1027

00:43:54,309 --> 00:43:50,990

front I don't care what you want to

1028

00:43:57,040 --> 00:43:54,319

believe that's fine but you do not have

1029

00:43:59,440 --> 00:43:57,050

the right to inflict that right a belief

1030

00:44:02,020 --> 00:43:59,450

system and the values from that belief

1031

00:44:04,690 --> 00:44:02,030

system or anybody else that's what a

1032

00:44:07,300 --> 00:44:04,700

secular society is all about each to

1033

00:44:10,930 --> 00:44:07,310

their own right and so you know I'm

1034

00:44:15,490 --> 00:44:10,940

proud to be a an ambassador for the the

1035

00:44:17,319 --> 00:44:15,500

national secular Lobby simply to get out

1036

00:44:19,089 --> 00:44:17,329

there and put that message out there I

1037

00:44:20,460 --> 00:44:19,099

don't care what you want what you

1038

00:44:23,970 --> 00:44:20,470

believe you

1039

00:44:26,190 --> 00:44:23,980

must respect the right of everybody else

1040

00:44:28,020 --> 00:44:26,200

to believe what they want to or believe

1041

00:44:29,760 --> 00:44:28,030

nothing at all always I don't wish to if

1042

00:44:31,920 --> 00:44:29,770

you so wish to yeah so you've got you've

1043

00:44:33,330 --> 00:44:31,930

got a couple of fire and what know

1044

00:44:35,099 --> 00:44:33,340

you've got a couple of what's the

1045

00:44:36,870 --> 00:44:35,109

expression ions in fire eyes in the

1046

00:44:39,330 --> 00:44:36,880

fires yeah at the moment yeah yeah and

1047

00:44:40,849 --> 00:44:39,340

how can people discover more about these

1048

00:44:44,370 --> 00:44:40,859

ions in your fire

1049

00:44:46,020 --> 00:44:44,380

let's see Google National Secular Lobby

1050

00:44:48,450 --> 00:44:46,030

and that will tell you more about that

1051

00:44:51,870 --> 00:44:48,460

and if you're interested in what I'm up

1052

00:44:55,200 --> 00:44:51,880

to with media engagement then media

1053

00:44:57,330 --> 00:44:55,210

engagement services kaamdar you I know

1054

00:45:00,359 --> 00:44:57,340

it's a mouthful but if you think of the

1055

00:45:02,160 --> 00:45:00,369

acronym media engagement services mess

1056

00:45:04,230 --> 00:45:02,170

if anyone's gonna be involved in the

1057

00:45:05,730 --> 00:45:04,240

mess it's gonna be me you never forget

1058

00:45:07,800 --> 00:45:05,740

that well you haven't been involved in a

1059

00:45:09,630 --> 00:45:07,810

myth surf professor paul willis you've

1060

00:45:13,140 --> 00:45:09,640

gone from success to success and people

1061

00:45:15,690 --> 00:45:13,150

if you want to get some really seriously

1062

00:45:18,120 --> 00:45:15,700

good advice about your professional

1063

00:45:20,640 --> 00:45:18,130

engagement especially in social networks

1064

00:45:22,260 --> 00:45:20,650

with video and media and audio quite

1065

00:45:24,570 --> 00:45:22,270

possibly then i can't recommend

1066

00:45:27,240 --> 00:45:24,580

professor paul willis highly enough paul

1067

00:45:29,220 --> 00:45:27,250

we've known each other for well I think

1068

00:45:31,410 --> 00:45:29,230

the last millennium and last night

1069

00:45:33,960 --> 00:45:31,420

coming up to 20 years ya old friend yeah

1070

00:45:35,760 --> 00:45:33,970

and it's really wonderful to catch up

1071

00:45:37,230 --> 00:45:35,770

with you and I trust we can see you back

1072

00:45:39,270 --> 00:45:37,240

here in Sydney in the not-too-distant

1073

00:45:44,370 --> 00:45:39,280

future and looking forward to it and

1074

00:45:44,380 --> 00:45:48,750

[Music]

1075

00:45:54,190 --> 00:45:52,000

it never ends a friend starts talking

1076
00:45:55,780 --> 00:45:54,200
about his new Reiki Master and someone

1077
00:45:58,510 --> 00:45:55,790
else just posted about another

1078
00:46:01,030 --> 00:45:58,520
all-natural cancer cure that they don't

1079
00:46:03,250 --> 00:46:01,040
want you to know about skeptics we

1080
00:46:05,380 --> 00:46:03,260
dedicate a lot of time trying to protect

1081
00:46:07,570 --> 00:46:05,390
those around us but there's a way that

1082
00:46:10,180 --> 00:46:07,580
you can reach millions guerrilla

1083
00:46:12,070 --> 00:46:10,190
skepticism on Wikipedia is a group that

1084
00:46:14,590 --> 00:46:12,080
is working to keep the best skeptical

1085
00:46:17,620 --> 00:46:14,600
information at everyone's fingertips in

1086
00:46:20,350 --> 00:46:17,630
all languages join us training is

1087
00:46:23,080 --> 00:46:20,360
self-paced and fun and we have our very

1088
00:46:25,240 --> 00:46:23,090

own super secret Facebook group you will

1089

00:46:29,320 --> 00:46:25,250

be educating the world in your sleep

1090

00:46:33,610 --> 00:46:29,330

to find out more email us at GS o w team

1091

00:46:48,730 --> 00:46:33,620

at gmail.com guerrilla skepticism the

1092

00:47:03,850 --> 00:46:48,740

time is now music by bensound.com it's

1093

00:47:05,740 --> 00:47:03,860

the my name is Frank hello Frank and

1094

00:47:08,200 --> 00:47:05,750

where are you from from the north end of

1095

00:47:10,030 --> 00:47:08,210

the Gold Coast in Brisbane okay so you

1096

00:47:12,150 --> 00:47:10,040

haven't had to come from too far away

1097

00:47:15,250 --> 00:47:12,160

and what's brought you here today well

1098

00:47:18,250 --> 00:47:15,260

the event today we saw the emails from

1099

00:47:20,110 --> 00:47:18,260

bin tell about the starstuff convention

1100

00:47:23,380 --> 00:47:20,120

and it's very close to us and sound like

1101

00:47:25,090 --> 00:47:23,390

an interesting venue and place to visit

1102

00:47:27,340 --> 00:47:25,100

and what's your background do you have a

1103

00:47:29,860 --> 00:47:27,350

background in science per se or just an

1104

00:47:30,880 --> 00:47:29,870

interest in science I've got a technical

1105

00:47:32,470 --> 00:47:30,890

background but I've always been

1106

00:47:34,360 --> 00:47:32,480

interested interested in science and

1107

00:47:35,380 --> 00:47:34,370

astronomy and I'm part of a group called

1108

00:47:38,200 --> 00:47:35,390

Leicester Aniki

1109

00:47:39,100 --> 00:47:38,210

we just have star parties every month oh

1110

00:47:44,010 --> 00:47:39,110

really

1111

00:47:49,090 --> 00:47:46,690

yeah about 60 or 70 you have us made

1112

00:47:50,500 --> 00:47:49,100

every month one of west side of Brisbane

1113

00:47:53,260 --> 00:47:50,510

the other side of BOE desert we set up

1114

00:47:56,440 --> 00:47:53,270

our telescopes we do Astro photography

1115

00:47:58,090 --> 00:47:56,450

or visual observations and wide field

1116

00:48:00,340 --> 00:47:58,100

and a bit of a mixture okay

1117

00:48:03,580 --> 00:48:00,350

have different types of telescope setups

1118

00:48:06,100 --> 00:48:03,590

and can people find you on facebook

1119

00:48:08,380 --> 00:48:06,110

Astro Aniki look up Astro Aniki on

1120

00:48:10,330 --> 00:48:08,390

Facebook and just like our page and it's

1121

00:48:13,120 --> 00:48:10,340

not a club as such as this we just meet

1122

00:48:14,590 --> 00:48:13,130

together and nothing fancy if you you

1123

00:48:16,810 --> 00:48:14,600

know like like going out and having fun

1124

00:48:18,850 --> 00:48:16,820

and we'll show people how to set up

1125

00:48:21,310 --> 00:48:18,860

equipment if they have a look up to see

1126

00:48:24,160 --> 00:48:21,320

what equipments around and if they want

1127

00:48:25,960 --> 00:48:24,170

to get into it sounds great and and so

1128

00:48:29,020 --> 00:48:25,970

you're open to having some more members

1129

00:48:32,620 --> 00:48:29,030

like your page and perhaps join you sure

1130

00:48:34,810 --> 00:48:32,630

yeah I'm actually called there oh I've

1131

00:48:36,670 --> 00:48:34,820

got a little Facebook page page called

1132

00:48:39,910 --> 00:48:36,680

astrophotography boy Franchitti so I

1133

00:48:41,200 --> 00:48:39,920

take some photos yeah so you might if

1134

00:48:42,700 --> 00:48:41,210

you find esterday photography boy

1135

00:48:44,980 --> 00:48:42,710

Franchitti you'll see some of my photos

1136

00:48:47,280 --> 00:48:44,990

there's nothing great but you know I try

1137

00:48:49,590 --> 00:48:47,290

to improve as I go along

1138

00:48:51,690 --> 00:48:49,600

yeah I can take a good selfie with my

1139

00:48:54,180 --> 00:48:51,700

with my smartphone that's about as far

1140

00:48:57,180 --> 00:48:54,190

as I can take better photos of deep

1141

00:48:59,490 --> 00:48:57,190

space than my phone for some reason I

1142

00:49:00,840 --> 00:48:59,500

like terrible shots of my phone but I'm

1143

00:49:02,940 --> 00:49:00,850

pretty good you know taking photos of

1144

00:49:05,580 --> 00:49:02,950

the sky oh wow so you must have really

1145

00:49:08,340 --> 00:49:05,590

enjoyed the talk that we just had it was

1146

00:49:10,560 --> 00:49:08,350

very good yes he's a brilliant Matt Jake

1147

00:49:12,240 --> 00:49:10,570

brilliant photography it's out it's more

1148

00:49:16,940 --> 00:49:12,250

at work you know for me it was just just

1149

00:49:21,030 --> 00:49:16,950

so in the I think they set up and the

1150

00:49:23,190 --> 00:49:21,040

time - yeah the setup I'm in preparation

1151

00:49:25,680 --> 00:49:23,200

for all these shots must be going

1152

00:49:28,650 --> 00:49:25,690

brilliant Chicot mm-hmm I was speaking

1153

00:49:32,210 --> 00:49:28,660

with Dylan Dylan that's Dylan I was

1154

00:49:36,120 --> 00:49:32,220

talking about Mark G and he's amazing

1155

00:49:38,070 --> 00:49:36,130

astrophotography saying how when I first

1156

00:49:39,780 --> 00:49:38,080

spoke with you and you said almost the

1157

00:49:41,490 --> 00:49:39,790

same thing that marks it on just on the

1158

00:49:45,030 --> 00:49:41,500

stage when you got into it you became a

1159

00:49:48,030 --> 00:49:45,040

little bit obsessive you're looking at

1160

00:49:50,220 --> 00:49:48,040

the the you know almost infinite view of

1161

00:49:52,440 --> 00:49:50,230

the observable universe it's how's that

1162

00:49:54,420 --> 00:49:52,450

you know not addicting it makes it feel

1163

00:49:56,640 --> 00:49:54,430

very small and very insignificant but

1164

00:49:59,280 --> 00:49:56,650

also pretty good at same time yes that's

1165

00:50:00,900 --> 00:49:59,290

right abrading really you're busy get on

1166

00:50:04,020 --> 00:50:00,910

with your stuff see you inside in a

1167

00:50:06,210 --> 00:50:04,030

minute okay well thank you so much thank

1168

00:50:08,070 --> 00:50:06,220

you - thank you for joining us on the

1169

00:50:11,790 --> 00:50:08,080

skeptics Island if you want to find out

1170

00:50:13,740 --> 00:50:11,800

more about Astro do you just go to

1171

00:50:29,000 --> 00:50:13,750

Facebook and

1172

00:50:31,380 --> 00:50:29,010

[Music]

1173

00:50:33,000 --> 00:50:31,390

hi this is Ben Radford and this is

1174

00:50:35,190 --> 00:50:33,010

Pascual Romero from the squaring the

1175

00:50:37,140 --> 00:50:35,200

strange podcast every week my co-host

1176

00:50:39,480 --> 00:50:37,150

and I cast a skeptical eye on a

1177

00:50:41,400 --> 00:50:39,490

different topic monsters ghosts demons

1178

00:50:43,500 --> 00:50:41,410

mysteries and even current events are

1179

00:50:45,540 --> 00:50:43,510

dissected and discussed with a fun

1180

00:50:47,040 --> 00:50:45,550

unscripted and skeptical take that

1181

00:50:49,620 --> 00:50:47,050

you're sure to enjoy find this is

1182

00:50:56,040 --> 00:50:49,630

squirting strange calm iTunes or on your

1183

00:50:56,050 --> 00:51:03,630

[Music]

1184

00:51:10,300 --> 00:51:06,040

here is an update to a story we brought

1185

00:51:12,970 --> 00:51:10,310

you last week about the rogue or he's

1186

00:51:17,440 --> 00:51:12,980

been labeled rogue in the media rogue

1187

00:51:21,750 --> 00:51:17,450

doctor dr. John piece who as you will

1188

00:51:26,440 --> 00:51:21,760

recall last week was recorded on video

1189

00:51:30,720 --> 00:51:26,450

at a VAX turd screening saying or almost

1190

00:51:32,620 --> 00:51:30,730

boasting how he helped parents dodge

1191

00:51:36,160 --> 00:51:32,630

immunization for their children

1192

00:51:39,580 --> 00:51:36,170

this update comes to us amongst other

1193

00:51:42,210 --> 00:51:39,590

sources from the Herald Sun Herald son

1194

00:51:45,370 --> 00:51:42,220

Tom DeLay you links in the show notes

1195

00:51:49,120 --> 00:51:45,380

written by Grant MacArthur and Lucy van

1196

00:51:53,260 --> 00:51:49,130

de Berg published on August 31 rogue

1197

00:51:56,110 --> 00:51:53,270

Mitchum dr. John piece to stop treating

1198

00:51:59,140 --> 00:51:56,120

patients hundreds of children with

1199

00:52:01,540 --> 00:51:59,150

immunization exemptions may be booted

1200

00:52:03,460 --> 00:52:01,550

from kindergartens and child care or

1201
00:52:05,560 --> 00:52:03,470
forced to have the shots

1202
00:52:08,440 --> 00:52:05,570
if those exemptions are found to be

1203
00:52:11,800 --> 00:52:08,450
invalid or to have been granted by a

1204
00:52:14,260 --> 00:52:11,810
suspect doctor state and federal health

1205
00:52:16,870 --> 00:52:14,270
authorities are reviewing the validity

1206
00:52:19,770 --> 00:52:16,880
of vaccination exemptions overseen by a

1207
00:52:22,150 --> 00:52:19,780
group of Melbourne general practitioners

1208
00:52:25,000 --> 00:52:22,160
allegedly involved in an anti

1209
00:52:27,340 --> 00:52:25,010
vaccination cell The Herald Sun has

1210
00:52:30,340 --> 00:52:27,350
confirmed Victoria's Department of

1211
00:52:32,200 --> 00:52:30,350
Health and Department of Education is

1212
00:52:34,960 --> 00:52:32,210
investigating exemptions granted by

1213
00:52:39,010 --> 00:52:34,970

controversial mitchum GP doctor john

1214

00:52:42,610 --> 00:52:39,020

pease who on thursday agreed to stop

1215

00:52:46,450 --> 00:52:42,620

treating patients on thursday dr. Pease

1216

00:52:50,350 --> 00:52:46,460

entered into a legally binding agreement

1217

00:52:51,970 --> 00:52:50,360

not to practice dr. pieces undertaking

1218

00:52:54,520 --> 00:52:51,980

is an interim measure while

1219

00:52:56,860 --> 00:52:54,530

investigations continue if he breaches

1220

00:52:59,800 --> 00:52:56,870

the undertaking he will be subject to

1221

00:53:03,220 --> 00:52:59,810

regulatory action and that update comes

1222

00:53:06,720 --> 00:53:03,230

to us from The Herald Sun by Grant

1223

00:53:08,559 --> 00:53:06,730

MacArthur and Lucie Vanderburgh

1224

00:53:11,240 --> 00:53:08,569

[Music]

1225

00:53:13,819 --> 00:53:11,250

now we bring you a story that was only

1226

00:53:19,069 --> 00:53:13,829

brought to my attention by our reporter

1227

00:53:21,770 --> 00:53:19,079

raw sceptic Heidi Robinson and I quote

1228

00:53:27,260 --> 00:53:21,780

from the website of the Sydney Morning

1229

00:53:30,260 --> 00:53:27,270

Herald wws MH comma au written by

1230

00:53:35,809 --> 00:53:30,270

Stephanie peddling published on August

1231

00:53:38,359 --> 00:53:35,819

31 world's number-one anti-vaxxer ken

1232

00:53:41,540 --> 00:53:38,369

heck and lively denied entry to

1233

00:53:44,299 --> 00:53:41,550

Australia the self-proclaimed quote

1234

00:53:47,270 --> 00:53:44,309

world's number-one anti-vaxxer end quote

1235

00:53:49,700 --> 00:53:47,280

has been denied permission to visit

1236

00:53:52,160 --> 00:53:49,710

Australia Immigration Minister Peter

1237

00:53:54,650 --> 00:53:52,170

Dutton said on Thursday kent heck and

1238

00:53:57,200 --> 00:53:54,660

lively would not be able to tour

1239

00:53:59,000 --> 00:53:57,210

australia later this year as part of an

1240

00:54:02,390 --> 00:53:59,010

international campaign calling for a

1241

00:54:04,549 --> 00:54:02,400

pause in childhood vaccinations quote

1242

00:54:07,099 --> 00:54:04,559

we're not going to allow him to come

1243

00:54:10,849 --> 00:54:07,109

here end quote mr. Dutton told Sydney

1244

00:54:12,650 --> 00:54:10,859

radio station to G be quote these people

1245

00:54:16,910 --> 00:54:12,660

who are telling parents that their kids

1246

00:54:18,650 --> 00:54:16,920

shouldn't be vaccinated are dangerous we

1247

00:54:20,750 --> 00:54:18,660

have been very careful in having a look

1248

00:54:23,450 --> 00:54:20,760

right through this particular case and

1249

00:54:26,089 --> 00:54:23,460

it's clear to me that it's not in our

1250

00:54:28,940 --> 00:54:26,099

national interest that he should come

1251
00:54:31,370 --> 00:54:28,950
here and quote mr. heck and lively who

1252
00:54:34,039 --> 00:54:31,380
lives in Northern California contributes

1253
00:54:37,039 --> 00:54:34,049
to a website that claims autism is quote

1254
00:54:39,859 --> 00:54:37,049
an environmentally induced illness that

1255
00:54:42,620 --> 00:54:39,869
is treatable and that children can

1256
00:54:45,289 --> 00:54:42,630
recover end quote he also has links to

1257
00:54:47,750 --> 00:54:45,299
Andrew Wakefield the disgraced former

1258
00:54:49,339 --> 00:54:47,760
doctor who's debunked study who was

1259
00:54:51,770 --> 00:54:49,349
central to the anti-vaccination movement

1260
00:54:54,289 --> 00:54:51,780
and has since gone on to make the film

1261
00:54:57,109 --> 00:54:54,299
vast the film has been banned by several

1262
00:55:01,130 --> 00:54:57,119
film festivals but has been shown in

1263
00:55:03,079 --> 00:55:01,140

secret locations around Australia and as

1264

00:55:05,569 --> 00:55:03,089

an aside of course skeptics own fans

1265

00:55:08,599 --> 00:55:05,579

will be familiar with this ongoing story

1266

00:55:11,780 --> 00:55:08,609

and its ramifications over the last

1267

00:55:13,849 --> 00:55:11,790

month or so we read on immigration

1268

00:55:16,339 --> 00:55:13,859

officials recently banned British

1269

00:55:18,450 --> 00:55:16,349

campaigner Polly Tommy and US campaigner

1270

00:55:20,700 --> 00:55:18,460

Susan Humphreys from entering the

1271

00:55:23,430 --> 00:55:20,710

country for three years after the pair

1272

00:55:24,990 --> 00:55:23,440

to Australia with VAX which alleges

1273

00:55:27,630 --> 00:55:25,000

there is a link between measles mumps

1274

00:55:31,200 --> 00:55:27,640

and rubella vaccine and autism the

1275

00:55:33,329 --> 00:55:31,210

opposition that is the opposition party

1276

00:55:36,000 --> 00:55:33,339

here in Australia in the Federalist fear

1277

00:55:37,950 --> 00:55:36,010

the opposition had written to mr. Dutton

1278

00:55:40,530 --> 00:55:37,960

requesting mr. Hickam Lively's

1279

00:55:42,599 --> 00:55:40,540

application for a visa be denied as

1280

00:55:45,180 --> 00:55:42,609

another aside looks like the government

1281

00:55:48,359 --> 00:55:45,190

and the opposition parties are of one

1282

00:55:50,910 --> 00:55:48,369

voice on this issue we read on quote

1283

00:55:53,790 --> 00:55:50,920

dangerous misinformation peddled by anti

1284

00:55:55,920 --> 00:55:53,800

vaccination proponents should never take

1285

00:55:59,040 --> 00:55:55,930

the place of proven scientific advice

1286

00:56:01,050 --> 00:55:59,050

and we have a responsibility to make

1287

00:56:03,089 --> 00:56:01,060

sure parents are getting the right

1288

00:56:05,460 --> 00:56:03,099

message end quote the opposition's

1289

00:56:07,680 --> 00:56:05,470

health spokeswoman Catherine King said

1290

00:56:10,890 --> 00:56:07,690

on Thursday quote the fight against

1291

00:56:13,410 --> 00:56:10,900

vaccination misinformation is continuous

1292

00:56:15,270 --> 00:56:13,420

earlier this month we saw two anti

1293

00:56:17,790 --> 00:56:15,280

vaccination advocates tour the country

1294

00:56:19,730 --> 00:56:17,800

and show a film that wrongly claims a

1295

00:56:21,570 --> 00:56:19,740

link between measles mumps and rubella

1296

00:56:24,120 --> 00:56:21,580

vaccine and autism

1297

00:56:26,400 --> 00:56:24,130

while our immunization program has

1298

00:56:28,470 --> 00:56:26,410

historically been effective there is

1299

00:56:30,060 --> 00:56:28,480

growing evidence that anti vaccination

1300

00:56:32,670 --> 00:56:30,070

advocates and their political allies

1301
00:56:36,480 --> 00:56:32,680
like Pauline Hanson and the One Nation

1302
00:56:39,120 --> 00:56:36,490
Party are now undermining our success as

1303
00:56:43,530 --> 00:56:39,130
shown by the doubling of measles cases

1304
00:56:45,450 --> 00:56:43,540
between 2013 and 2014 end quote and I

1305
00:56:48,630 --> 00:56:45,460
noticed this story is making news around

1306
00:56:52,620 --> 00:56:48,640
the world and I'm just scanning now the

1307
00:56:55,470 --> 00:56:52,630
BBC BBC comm Kent eken lively US

1308
00:56:57,839 --> 00:56:55,480
anti-vaxxer denied Australian visa reads

1309
00:57:00,560 --> 00:56:57,849
the headline which covers more or less

1310
00:57:05,520 --> 00:57:00,570
the the same story The Herald reported

1311
00:57:10,200 --> 00:57:05,530
as ever we shall keep you updated as to

1312
00:57:26,589 --> 00:57:23,460
[Music]

1313
00:57:29,230 --> 00:57:26,599

tickets are now available for skeptic on

1314

00:57:34,059 --> 00:57:29,240

the Australian skeptics thirty-third

1315

00:57:37,720 --> 00:57:34,069

National Convention this will be held on

1316

00:57:43,390 --> 00:57:37,730

the 18th and 19th of November in Sydney

1317

00:57:46,500 --> 00:57:43,400

Australia speakers include former

1318

00:57:48,849 --> 00:57:46,510

naturopath and Brit Hermes Jason Silva

1319

00:57:52,390 --> 00:57:48,859

award-winning journalist Kathy marks

1320

00:57:56,230 --> 00:57:52,400

Captain disillusion dr. Viren Sharma

1321

00:57:59,200 --> 00:57:56,240

Laurence lung dr. Brad Makai Sonia

1322

00:58:02,200 --> 00:57:59,210

Pemberton dr. Karl crystal disk and

1323

00:58:07,329 --> 00:58:02,210

Adam Spencer and special guest Cara

1324

00:58:14,190 --> 00:58:07,339

Santa Maria for more information and to

1325

00:58:17,720 --> 00:58:14,200

buy your tickets head to WWE a U or W W

1326

00:58:34,580 --> 00:58:17,730

skeptics calm

1327

00:58:39,359 --> 00:58:37,200

thank you for listening to the skeptic

1328

00:58:40,859 --> 00:58:39,369

zone this week and thank you once again

1329

00:58:43,230 --> 00:58:40,869

to all those wonderful people who

1330

00:58:47,060 --> 00:58:43,240

support the skeptic zone with PayPal or

1331

00:58:49,770 --> 00:58:47,070

patreon and well keep the show going

1332

00:58:53,010 --> 00:58:49,780

there's no support there would be no

1333

00:58:54,300 --> 00:58:53,020

show and I really am grateful and the

1334

00:58:57,210 --> 00:58:54,310

reporters are grateful for your

1335

00:59:00,240 --> 00:58:57,220

continuing support for the sceptic zone

1336

00:59:02,790 --> 00:59:00,250

now in its ninth year next year we'll be

1337

00:59:04,859 --> 00:59:02,800

celebrating ten years and it just

1338

00:59:07,080 --> 00:59:04,869

occurred to me but right now as I'm

1339

00:59:09,480 --> 00:59:07,090

recording this dragon continent in

1340

00:59:11,700 --> 00:59:09,490

Atlanta Georgia is underway and I'm

1341

00:59:13,380 --> 00:59:11,710

looking at all the posts coming through

1342

00:59:15,240 --> 00:59:13,390

about that all my friends are there or

1343

00:59:16,950 --> 00:59:15,250

many of my friends of course very

1344

00:59:22,590 --> 00:59:16,960

jealous wish I was there because it was

1345

00:59:25,410 --> 00:59:22,600

Dragon Con in Atlanta in 2008 2008 that

1346

00:59:28,109 --> 00:59:25,420

the skeptic zone was launched all those

1347

00:59:29,820 --> 00:59:28,119

years ago and maybe maybe it would be

1348

00:59:30,480 --> 00:59:29,830

appropriate to be there for the 10-year

1349

00:59:33,660 --> 00:59:30,490

anniversary

1350

00:59:37,020 --> 00:59:33,670

I'll see it's not always easy as you can

1351

00:59:39,120 --> 00:59:37,030

appreciate to just go over to these

1352

00:59:41,520 --> 00:59:39,130

places especially from Sydney Australia

1353

00:59:45,980 --> 00:59:41,530

that's quite a long way but you know

1354

00:59:48,390 --> 00:59:45,990

what that's a year away so we'll see a

1355

00:59:51,180 --> 00:59:48,400

big thank you to the students and staff

1356

00:59:53,849 --> 00:59:51,190

of endeavour sports high school here in

1357

00:59:55,020 --> 00:59:53,859

Sydney main art and I were there Oh a

1358

00:59:57,330 --> 00:59:55,030

couple of days ago

1359

00:59:59,460 --> 00:59:57,340

to perform the mystery investigators for

1360

01:00:02,390 --> 00:59:59,470

their year nines and what what a high

1361

01:00:04,950 --> 01:00:02,400

spirited group they were lots of

1362

01:00:07,230 --> 01:00:04,960

participation in the show and lots of

1363

01:00:07,980 --> 01:00:07,240

excitement thank you again and we had a

1364

01:00:11,400 --> 01:00:07,990

great time

1365

01:00:13,470 --> 01:00:11,410

and I noticed that the stranger things

1366

01:00:16,109 --> 01:00:13,480

down on the group here in Sydney will be

1367

01:00:19,680 --> 01:00:16,119

off to the ODS paranormal and spiritual

1368

01:00:22,859 --> 01:00:19,690

Expo on the 9th of September it's just a

1369

01:00:25,859 --> 01:00:22,869

week away if you go to your Facebook and

1370

01:00:29,010 --> 01:00:25,869

look for stranger things down under

1371

01:00:31,890 --> 01:00:29,020

you'll see details of that group I think

1372

01:00:34,109 --> 01:00:31,900

I'll be going along there to do some

1373

01:00:36,660 --> 01:00:34,119

reporting for the skeptic zone I'll see

1374

01:00:38,070 --> 01:00:36,670

who who would like to come to and just

1375

01:00:41,460 --> 01:00:38,080

before I go I thought I'd play you a

1376

01:00:44,359 --> 01:00:41,470

very short clip from my recent radio

1377

01:00:48,170 --> 01:00:44,369

segment with Mike Williams

1378

01:00:50,210 --> 01:00:48,180

who does the midnight to dawn slot on

1379

01:00:52,999 --> 01:00:50,220

the weekends on the Macquarie Network

1380

01:00:55,789 --> 01:00:53,009

all over Australia and my sceptical

1381

01:00:57,710 --> 01:00:55,799

segment which I share with Tim Mendham

1382

01:00:59,809 --> 01:00:57,720

from the Australian skeptics comes up

1383

01:01:00,349 --> 01:00:59,819

about all about a quarter to 6:00 in the

1384

01:01:04,569 --> 01:01:00,359

morning

1385

01:01:08,029 --> 01:01:04,579

so holders basically Rises on a Sunday

1386

01:01:10,519 --> 01:01:08,039

get to listen to 15 minutes of

1387

01:01:12,589 --> 01:01:10,529

skepticism every week but it's archived

1388

01:01:14,900 --> 01:01:12,599

it's always archived if you go to for

1389

01:01:16,640 --> 01:01:14,910

example 2 GB comm and search for

1390

01:01:18,950 --> 01:01:16,650

Saunders or skeptics or something like

1391

01:01:21,049 --> 01:01:18,960

that you'll find previous episodes or

1392

01:01:23,089 --> 01:01:21,059

there's a link on the show notes but the

1393

01:01:25,940 --> 01:01:23,099

one that went out just this morning in

1394

01:01:28,430 --> 01:01:25,950

fact was all about a lost continent the

1395

01:01:30,589 --> 01:01:28,440

lost island of Atlantis and I thought

1396

01:01:33,470 --> 01:01:30,599

I'd play you a brief clip of what I had

1397

01:01:35,930 --> 01:01:33,480

to say crystal now what I'm going to do

1398

01:01:38,569 --> 01:01:35,940

is I'm going to read you something a

1399

01:01:40,400 --> 01:01:38,579

quote from a website I have not made

1400

01:01:42,829 --> 01:01:40,410

this up this is not something I've

1401
01:01:44,569 --> 01:01:42,839
conjured up to make the New Age people

1402
01:01:48,079 --> 01:01:44,579
look a bit silly this is their actual

1403
01:01:51,019 --> 01:01:48,089
words here we go aunt Leigh Italian

1404
01:01:53,269 --> 01:01:51,029
crystals crystals from Atlantis receives

1405
01:01:55,849 --> 01:01:53,279
power from various sources including the

1406
01:01:58,640 --> 01:01:55,859
Sun the Earth's energy field grid system

1407
01:02:01,249 --> 01:01:58,650
or from each other grid points are often

1408
01:02:03,710 --> 01:02:01,259
marked by pyramid aha there you go the

1409
01:02:05,779 --> 01:02:03,720
Atlanteans use this energy combined with

1410
01:02:09,769 --> 01:02:05,789
crystals to transmit energy from one

1411
01:02:12,079 --> 01:02:09,779
pyramid to another or as aliens to enter

1412
01:02:14,239 --> 01:02:12,089
and leave the planet depending on the

1413
01:02:16,729 --> 01:02:14,249

tilt of the Earth's axis at particular

1414

01:02:18,979 --> 01:02:16,739

time of the year one pyramid could

1415

01:02:20,960 --> 01:02:18,989

function to intensify and transmit

1416

01:02:24,140 --> 01:02:20,970

energy to other pyramids which would

1417

01:02:26,509 --> 01:02:24,150

then act to receive and disperse energy

1418

01:02:29,630 --> 01:02:26,519

is needed the opposite would apply when

1419

01:02:31,460 --> 01:02:29,640

the pyramid was at an unfocused point to

1420

01:02:34,099 --> 01:02:31,470

their celestial alignment when other

1421

01:02:37,130 --> 01:02:34,109

pyramids would be used as transmitters

1422

01:02:40,489 --> 01:02:37,140

this force of intricate matrix crystal

1423

01:02:42,349 --> 01:02:40,499

grid systems that takes everything in

1424

01:02:44,359 --> 01:02:42,359

doesn't it everything we talked about in

1425

01:02:45,170 --> 01:02:44,369

the last six months it takes everyone an

1426

01:02:50,120 --> 01:02:45,180

eye sees it

1427

01:02:51,440 --> 01:02:50,130

aliens crystals pyramids yeah well

1428

01:02:54,470 --> 01:02:51,450

because this is the wonderful thing

1429

01:02:56,479 --> 01:02:54,480

about something like Atlantis people can

1430

01:02:57,160 --> 01:02:56,489

basically and I'll say it they can just

1431

01:02:59,470 --> 01:02:57,170

make

1432

01:03:01,990 --> 01:02:59,480

cup anything they like and say this

1433

01:03:04,299 --> 01:03:02,000

really happened there because you can't

1434

01:03:05,530 --> 01:03:04,309

verify it you can't go to Atlantis and

1435

01:03:07,390 --> 01:03:05,540

say well we'll look at the ancient

1436

01:03:09,819 --> 01:03:07,400

records of Atlantis and see if this is

1437

01:03:11,890 --> 01:03:09,829

true or not so people can say they

1438

01:03:14,650 --> 01:03:11,900

that's a lot of fun being on the radio

1439

01:03:18,520 --> 01:03:14,660

every week with Mike Williams and we've

1440

01:03:21,150 --> 01:03:18,530

been doing that now since February

1441

01:03:23,740 --> 01:03:21,160

I think febr March quite a long time

1442

01:03:26,829 --> 01:03:23,750

covering many many topics and I hope we

1443

01:03:28,420 --> 01:03:26,839

continue for many weeks to come and just

1444

01:03:32,349 --> 01:03:28,430

before I go if you happen to be in

1445

01:03:35,859 --> 01:03:32,359

Sydney in the Sydney city today the 3rd

1446

01:03:39,069 --> 01:03:35,869

of September Maynard is doing a DJ gig

1447

01:03:41,440 --> 01:03:39,079

at harpoon Harry's which is a hotel near

1448

01:03:44,770 --> 01:03:41,450

Central Station I think he starts around

1449

01:03:47,500 --> 01:03:44,780

4 o'clock if you want to see Maynard in

1450

01:03:50,680 --> 01:03:47,510

action as a DJ spinning the discs that's

1451

01:03:53,049 --> 01:03:50,690

the place to be but for now this is

1452

01:03:59,650 --> 01:03:53,059

Richard Saunders signing off from Sydney

1453

01:04:02,230 --> 01:03:59,660

Australia you've been listening to the

1454

01:04:07,299 --> 01:04:02,240

skeptic zone podcast visit our website

1455

01:04:11,140 --> 01:04:07,309

at WWE TV for contacts an archive of all

1456

01:04:13,450 --> 01:04:11,150

episodes since 2008 and our online store

1457

01:04:16,170 --> 01:04:13,460

please support the skeptic zone by

1458

01:04:19,180 --> 01:04:16,180

following us on twitter at skeptic zone

1459

01:04:22,210 --> 01:04:19,190

liking us on facebook and leaving a

1460

01:04:25,089 --> 01:04:22,220

review on itunes you can also show your

1461

01:04:28,569 --> 01:04:25,099

support by subscribing via PayPal for as

1462

01:04:30,910 --> 01:04:28,579

little as 99 cents a week the skeptic

1463

01:04:32,710 --> 01:04:30,920

zone is an independent production the

1464

01:04:34,809 --> 01:04:32,720

views and opinions expressed on the

1465

01:04:37,380 --> 01:04:34,819

skeptic zone and not necessarily those