

1
00:00:00,000 --> 00:00:09,089
[Music]

2
00:00:05,929 --> 00:00:13,919
welcome to the skeptic zone the podcast

3
00:00:09,089 --> 00:00:16,890
from Australia for science and reason

4
00:00:13,919 --> 00:00:22,579
[Applause]

5
00:00:16,890 --> 00:00:25,439
[Music]

6
00:00:22,579 --> 00:00:28,559
hello and welcome to the skeptic Zone

7
00:00:25,439 --> 00:00:31,859
episode number 516 for the ninth of

8
00:00:28,559 --> 00:00:34,469
September 2018 richardsaunders here with

9
00:00:31,859 --> 00:00:35,878
you from Sydney Australia and sometimes

10
00:00:34,469 --> 00:00:37,859
it would be good to have something like

11
00:00:35,878 --> 00:00:40,859
Noah's Ark because just the other day

12
00:00:37,859 --> 00:00:42,600
Friday Friday evening here in Sydney in

13
00:00:40,859 --> 00:00:46,140
this part of Sydney the you know West as

14
00:00:42,600 --> 00:00:48,689
it's called we had a huge storm cell

15
00:00:46,140 --> 00:00:50,698
come over Thunderbolts and lightning

16
00:00:48,689 --> 00:00:53,189
very very frightening me and frightening

17
00:00:50,698 --> 00:00:57,238
the cats actually they were both hiding

18
00:00:53,189 --> 00:01:00,988
under her table a strike a bolt of

19
00:00:57,238 --> 00:01:05,009
lightning hit just near skeptics own

20
00:01:00,988 --> 00:01:08,099
headquarters very close and there was

21
00:01:05,010 --> 00:01:10,350
flooding and hail but everything seems

22
00:01:08,099 --> 00:01:12,868
to be okay now coming up on this week's

23
00:01:10,349 --> 00:01:17,519
show we're going to interview Celestia

24
00:01:12,868 --> 00:01:19,500
ward a wonderful artist she creates

25
00:01:17,519 --> 00:01:22,500
wonderful caricatures of people and

26
00:01:19,500 --> 00:01:24,930
other artistic works and she's also one

27
00:01:22,500 --> 00:01:27,060
of the crew from squaring the strange

28
00:01:24,930 --> 00:01:29,610
podcast the squaring the strange podcast

29

00:01:27,060 --> 00:01:31,769
with Ben and Pasqual they do an

30
00:01:29,609 --> 00:01:34,109
excellent skeptical podcast find out

31
00:01:31,769 --> 00:01:37,500
more with our interview with Celestia

32
00:01:34,109 --> 00:01:41,340
Ward following that it's dr. Pauli with

33
00:01:37,500 --> 00:01:43,590
a random rant this week dr. Pauli

34
00:01:41,340 --> 00:01:46,200
interviews hannah slobbered over from

35
00:01:43,590 --> 00:01:49,469
the czech republic about her efforts to

36
00:01:46,200 --> 00:01:52,200
save turtles in Indonesia and around the

37
00:01:49,469 --> 00:01:54,359
world of course some interesting facts I

38
00:01:52,200 --> 00:01:58,320
bet you didn't know about sea turtles

39
00:01:54,359 --> 00:02:01,859
coming up then we have an open letter to

40
00:01:58,319 --> 00:02:03,629
the RSL association here in Australia

41
00:02:01,859 --> 00:02:05,819
this is their is turned and services

42
00:02:03,629 --> 00:02:10,049
league this is the group of people who

43
00:02:05,819 --> 00:02:12,780

look after the needs of veterans War

44

00:02:10,050 --> 00:02:15,480

veterans and things like that from all

45

00:02:12,780 --> 00:02:17,340

the services and there is a series of

46

00:02:15,479 --> 00:02:19,469

clubs many clubs dotted around the

47

00:02:17,340 --> 00:02:22,289

country there's one just down the road

48

00:02:19,469 --> 00:02:23,340

here in fact where they're a community

49

00:02:22,289 --> 00:02:27,650

club now really

50

00:02:23,340 --> 00:02:32,449

they have entertainment and they have

51

00:02:27,650 --> 00:02:34,180

restaurants and lots of poker machines

52

00:02:32,449 --> 00:02:36,488

lots

53

00:02:34,180 --> 00:02:38,620

of poker machines slot machines

54

00:02:36,489 --> 00:02:40,569

one-armed bandits but getting back to

55

00:02:38,620 --> 00:02:41,890

the entertainment some of the

56

00:02:40,568 --> 00:02:43,449

entertainment they have are these

57

00:02:41,889 --> 00:02:46,000

so-called psychics who go around

58
00:02:43,449 --> 00:02:49,328
pretending or thinking they talk to the

59
00:02:46,000 --> 00:02:51,039
dead and the Australian skeptics have

60
00:02:49,329 --> 00:02:54,310
taken the opinion and this is in

61
00:02:51,039 --> 00:02:57,459
appalling taste to have a show

62
00:02:54,310 --> 00:03:01,090
exploiting the memory of the dead in a

63
00:02:57,459 --> 00:03:03,449
building dedicated to the memory of the

64
00:03:01,090 --> 00:03:06,430
dead to the Fallen servicemen and women

65
00:03:03,449 --> 00:03:07,688
so I'll read that open letter a bit

66
00:03:06,430 --> 00:03:09,459
later on in the show

67
00:03:07,688 --> 00:03:11,858
after that it's reporter Kevin Davies

68
00:03:09,459 --> 00:03:15,069
from the AC T from Canberra the nation's

69
00:03:11,859 --> 00:03:17,769
capital chatting to a couple of military

70
00:03:15,068 --> 00:03:21,060
men and their opinion or their take on

71
00:03:17,769 --> 00:03:24,700
Star Wars when it comes to military

72
00:03:21,060 --> 00:03:28,000
tactics can Star Wars be used to be

73
00:03:24,699 --> 00:03:30,488
shown to teach military tactics an

74
00:03:28,000 --> 00:03:32,949
unusual interview indeed coming up later

75
00:03:30,489 --> 00:03:35,289
on then we have another interview in our

76
00:03:32,949 --> 00:03:36,759
series of interviews with speakers who

77
00:03:35,289 --> 00:03:40,509
will be appearing at the upcoming

78
00:03:36,759 --> 00:03:42,658
skeptical on the skeptics convention here

79
00:03:40,509 --> 00:03:46,388
in Sydney on the 13th and 14th October

80
00:03:42,658 --> 00:03:49,478
this week I chat to Lee Murray who is a

81
00:03:46,389 --> 00:03:52,000
PhD candidate at Monash University in

82
00:03:49,479 --> 00:03:54,579
Victoria and she is a social linguist

83
00:03:52,000 --> 00:03:58,389
she studies language how language is

84
00:03:54,579 --> 00:04:01,650
formed why we say the things we say and

85
00:03:58,389 --> 00:04:04,659
her particular interest is Australian

86

00:04:01,650 --> 00:04:07,030
linguistics and if all that wasn't

87
00:04:04,658 --> 00:04:09,158
enough to round off the show I chat to

88
00:04:07,030 --> 00:04:10,870
the challenge coordinator and

89
00:04:09,158 --> 00:04:15,818
investigator from Australian sceptics

90
00:04:10,870 --> 00:04:19,658
Ian Bryce about the Higgs boson because

91
00:04:15,818 --> 00:04:23,379
he knows a lot about the Higgs boson and

92
00:04:19,658 --> 00:04:27,250
the Large Hadron Collider I mean he

93
00:04:23,379 --> 00:04:28,839
really knows a lot he probably knows

94
00:04:27,250 --> 00:04:30,908
where all the restaurants are around

95
00:04:28,839 --> 00:04:33,668
that place and we haven't heard about

96
00:04:30,908 --> 00:04:36,490
the Higgs for a little while anyway Ian

97
00:04:33,668 --> 00:04:38,560
will bring us more or less up to date

98
00:04:36,490 --> 00:04:41,319
stay tuned at the end of the episode for

99
00:04:38,560 --> 00:04:44,800
more announcements from me but now it's

100
00:04:41,319 --> 00:04:48,279

time for me to run downstairs and make

101

00:04:44,800 --> 00:04:50,800

sure my fluids are up I might have a

102

00:04:48,279 --> 00:04:53,819

little chocolate milkshake or something

103

00:04:50,800 --> 00:04:57,550

like that because earlier today I

104

00:04:53,819 --> 00:05:00,839

donated some blood probably an armful

105

00:04:57,550 --> 00:05:03,759

I'm not sure and that story about the

106

00:05:00,839 --> 00:05:05,289

blood donation which was a initiative by

107

00:05:03,759 --> 00:05:08,230

the Australian skeptics will be coming

108

00:05:05,290 --> 00:05:11,890

up I think next week but as I record

109

00:05:08,230 --> 00:05:14,650

this I'm just just recovering well it's

110

00:05:11,889 --> 00:05:16,779

not much really to recover from so I'm

111

00:05:14,649 --> 00:05:17,979

gonna run downstairs make sure my fluids

112

00:05:16,779 --> 00:05:24,189

are up maybe have a bit of chocolate

113

00:05:17,980 --> 00:05:26,020

cake and a biscuit a KitKat I should

114

00:05:24,189 --> 00:05:27,550

have some my candy some lollies too in a

115
00:05:26,019 --> 00:05:30,279
pancake

116
00:05:27,550 --> 00:05:33,790
yeah maybe a packet of chips and well I

117
00:05:30,279 --> 00:05:35,729
do all that quickly I hope you enjoy the

118
00:05:33,790 --> 00:05:57,710
sceptic zone

119
00:05:35,730 --> 00:06:01,140
[Music]

120
00:05:57,709 --> 00:06:03,209
and joining me now from beautiful Las

121
00:06:01,139 --> 00:06:06,060
Vegas Nevada it's none other than

122
00:06:03,209 --> 00:06:09,419
Celestia Ward from squaring the strange

123
00:06:06,060 --> 00:06:11,519
hello Celestia hi pleasure to talk to

124
00:06:09,420 --> 00:06:13,620
you yes we don't talk to each other

125
00:06:11,519 --> 00:06:16,319
often enough I thought I'd give you a

126
00:06:13,620 --> 00:06:18,810
call but contact you because I'm so

127
00:06:16,319 --> 00:06:21,300
impressed now by the way squaring the

128
00:06:18,810 --> 00:06:24,860
strange is going what episode are you up

129
00:06:21,300 --> 00:06:29,819
to now oh gosh I just finished editing

130
00:06:24,860 --> 00:06:31,110
73 I'm very pleased with the with all

131
00:06:29,819 --> 00:06:32,909
this stuff we've been able to put out

132
00:06:31,110 --> 00:06:35,639
and Ben and Pasquale have been fun to

133
00:06:32,910 --> 00:06:37,770
work with we do we do have a little

134
00:06:35,639 --> 00:06:41,430
change I can announce on your show if

135
00:06:37,769 --> 00:06:44,310
you'd like please do a scoop well

136
00:06:41,430 --> 00:06:47,189
unfortunately the the scoop is we are

137
00:06:44,310 --> 00:06:49,889
going to for the time being be moving to

138
00:06:47,189 --> 00:06:52,319
a biweekly schedule so that you'll get a

139
00:06:49,889 --> 00:06:53,879
new you'll get a new episode once every

140
00:06:52,319 --> 00:06:55,949
two weeks but that means we'll be able

141
00:06:53,879 --> 00:06:58,980
to spend a bit more time crafting each

142
00:06:55,949 --> 00:07:01,620
each topic and diving a little deeper

143

00:06:58,980 --> 00:07:03,660
into each subject it sounds very

144
00:07:01,620 --> 00:07:08,430
sensible to me one day the skeptic zone

145
00:07:03,660 --> 00:07:12,200
might do that oh gosh yes you're staying

146
00:07:08,430 --> 00:07:15,329
power amazes me it amazes me I could do

147
00:07:12,199 --> 00:07:19,079
weekly episodes for what are you on now

148
00:07:15,329 --> 00:07:20,689
500 and what oh by the time this in that

149
00:07:19,079 --> 00:07:24,750
little interview goes a light it will be

150
00:07:20,689 --> 00:07:27,000
516 episode 516 but I can tell you as

151
00:07:24,750 --> 00:07:31,230
we're recording this now right now you

152
00:07:27,000 --> 00:07:34,860
and I Dragon Con is in full swing in in

153
00:07:31,230 --> 00:07:38,520
Atlanta Georgia and it was Dragon Con 10

154
00:07:34,860 --> 00:07:41,069
years ago I recorded my first segment

155
00:07:38,519 --> 00:07:45,529
for the skeptic zone oh wow so that was

156
00:07:41,069 --> 00:07:48,930
the last time you had a life I think so

157
00:07:45,529 --> 00:07:51,629

okay I am actually very sad to not be a

158

00:07:48,930 --> 00:07:52,800

Dragon Con this year but one cannot do

159

00:07:51,629 --> 00:07:56,939

everything one wishes

160

00:07:52,800 --> 00:07:58,710

to do but I'm sure a dr. Angela matki

161

00:07:56,939 --> 00:08:02,279

and Derek Cohen do know are doing a

162

00:07:58,709 --> 00:08:04,589

great job on the skip down there hi guys

163

00:08:02,279 --> 00:08:05,939

no they certainly are in fact I was

164

00:08:04,589 --> 00:08:06,869

going to interview them today but I

165

00:08:05,939 --> 00:08:09,959

think they're having too much fun

166

00:08:06,870 --> 00:08:11,819

probably probably but let's get back to

167

00:08:09,959 --> 00:08:14,038

squaring the strange because again it's

168

00:08:11,819 --> 00:08:15,810

it's a pleasure to listen to I find it

169

00:08:14,038 --> 00:08:17,728

endlessly fascinating it must be great

170

00:08:15,810 --> 00:08:21,389

to work with people like Ben and

171

00:08:17,728 --> 00:08:23,189

Pasquale what what to you because your

172
00:08:21,389 --> 00:08:24,658
involvement over the past months is

173
00:08:23,189 --> 00:08:26,759
being greater and greater what have you

174
00:08:24,658 --> 00:08:28,348
learned what have you discovered well

175
00:08:26,759 --> 00:08:30,330
besides the fact that it takes a

176
00:08:28,348 --> 00:08:32,610
tremendous amount of work and hours to

177
00:08:30,329 --> 00:08:35,458
put together a podcast that comes out

178
00:08:32,610 --> 00:08:38,250
once a week just that you know

179
00:08:35,458 --> 00:08:40,489
conversations are fun I got I really got

180
00:08:38,250 --> 00:08:43,229
into listening to skeptical podcasts

181
00:08:40,490 --> 00:08:45,389
years ago and I found the ones that I

182
00:08:43,229 --> 00:08:47,040
gravitated towards were the ones that

183
00:08:45,389 --> 00:08:48,419
had a conversation going where you have

184
00:08:47,039 --> 00:08:50,159
you have people who really know what

185
00:08:48,419 --> 00:08:52,319
they're talking about and then perhaps

186
00:08:50,159 --> 00:08:55,199
one or two people who don't and they can

187
00:08:52,320 --> 00:08:56,820
talk about stuff and so even if it's a

188
00:08:55,200 --> 00:08:59,278
topic I don't know much about I can at

189
00:08:56,820 --> 00:09:02,160
least ask questions and then usually has

190
00:08:59,278 --> 00:09:04,649
a a treasure trove of research to back

191
00:09:02,159 --> 00:09:07,559
up what he brings so it's always it's

192
00:09:04,649 --> 00:09:09,480
fun to do the deep dives on topics that

193
00:09:07,559 --> 00:09:11,458
might not be covered by other skeptical

194
00:09:09,480 --> 00:09:15,539
podcasts that just stick to the daily

195
00:09:11,458 --> 00:09:17,429
news and tell me just the logistics of

196
00:09:15,539 --> 00:09:19,549
it I know sometimes you're in the studio

197
00:09:17,429 --> 00:09:22,169
you go to Albuquerque New Mexico and

198
00:09:19,549 --> 00:09:24,269
you're with Ben and Pasquale but

199
00:09:22,169 --> 00:09:26,610
sometimes you're you're really based in

200

00:09:24,269 --> 00:09:28,620
Las Vegas aren't you I am yeah I

201
00:09:26,610 --> 00:09:31,200
actually have not been there I've not

202
00:09:28,620 --> 00:09:32,850
been down there too many times but the

203
00:09:31,200 --> 00:09:35,550
times I have gone we've just been able

204
00:09:32,850 --> 00:09:38,670
to sit in the in the studio and record

205
00:09:35,549 --> 00:09:40,859
like you know four or five segments that

206
00:09:38,669 --> 00:09:43,169
we can use later on that's the that's

207
00:09:40,860 --> 00:09:45,870
the beauty of having some evergreen

208
00:09:43,169 --> 00:09:47,429
topics you know there's there's some

209
00:09:45,870 --> 00:09:49,679
things we can look into that that

210
00:09:47,429 --> 00:09:51,870
sometimes have us have a historical bent

211
00:09:49,679 --> 00:09:55,019
to them like we've covered we've covered

212
00:09:51,870 --> 00:09:57,299
Benjamin Franklin we've covered we've

213
00:09:55,019 --> 00:09:59,100
covered some old investigations that Ben

214
00:09:57,299 --> 00:10:01,169

has done and what he learned about them

215

00:09:59,100 --> 00:10:03,528

and and so it doesn't necessarily need

216

00:10:01,169 --> 00:10:06,240

to be a topic that is informed with

217

00:10:03,528 --> 00:10:07,860

up-to-the-minute data so

218

00:10:06,240 --> 00:10:10,049

we can kind of jump around and do topics

219

00:10:07,860 --> 00:10:12,120

that interest us that still teach a good

220

00:10:10,049 --> 00:10:14,429

skeptical lesson if you look at them and

221

00:10:12,120 --> 00:10:16,409

they're still gonna be interesting next

222

00:10:14,429 --> 00:10:18,569

year or two years from now it's a very

223

00:10:16,409 --> 00:10:20,069

good point so I'm glad you get the

224

00:10:18,570 --> 00:10:22,800

opportunity to go there and do that

225

00:10:20,070 --> 00:10:25,440

sometimes but most of the time I'm just

226

00:10:22,799 --> 00:10:27,299

very curious just from a technical point

227

00:10:25,440 --> 00:10:28,529

of view you sit there in Las Vegas and

228

00:10:27,299 --> 00:10:30,958

you hook up with the guys

229
00:10:28,528 --> 00:10:32,338
well yes much much like you and I are

230
00:10:30,958 --> 00:10:35,099
talking right now on two different

231
00:10:32,339 --> 00:10:37,890
continents the Internet is wonderful

232
00:10:35,100 --> 00:10:40,680
there's there's Skype and we did a few

233
00:10:37,889 --> 00:10:42,600
episodes via Skype and Pasquale is our

234
00:10:40,679 --> 00:10:44,939
audio genius having worked in the

235
00:10:42,600 --> 00:10:47,490
industry for many years so he found ways

236
00:10:44,940 --> 00:10:50,190
to patch everything together and lately

237
00:10:47,490 --> 00:10:53,789
we've been using a service called Zen

238
00:10:50,190 --> 00:10:57,899
caster which is which allows you write

239
00:10:53,789 --> 00:10:59,549
on from from an online hub to track in

240
00:10:57,899 --> 00:11:00,870
two or three different people and then

241
00:10:59,549 --> 00:11:05,549
even do a little bit of post production

242
00:11:00,870 --> 00:11:07,620
mixing online which allows me to to grab

243
00:11:05,549 --> 00:11:10,769
what I need afterwards fairly easily and

244
00:11:07,620 --> 00:11:16,500
turn it into a podcast you're learning a

245
00:11:10,769 --> 00:11:18,778
lot I am by by necessity yeah and of

246
00:11:16,500 --> 00:11:22,339
course with the happy news is that

247
00:11:18,778 --> 00:11:28,200
you're very soon to have a little

248
00:11:22,339 --> 00:11:31,320
podcaster aren't you another month or so

249
00:11:28,200 --> 00:11:34,080
in up to my ears and dirty diapers or

250
00:11:31,320 --> 00:11:38,278
nappies as you call them very good we do

251
00:11:34,080 --> 00:11:40,470
call them nappies ah well that's that's

252
00:11:38,278 --> 00:11:42,570
that's that's wonderful news and I'm

253
00:11:40,470 --> 00:11:45,089
sure podcasting will be furthest from

254
00:11:42,570 --> 00:11:48,240
your mind soon yes we're trying to get a

255
00:11:45,089 --> 00:11:51,089
fair amount of material in the can so to

256
00:11:48,240 --> 00:11:53,850
speak so that we won't have a tremendous

257

00:11:51,089 --> 00:11:55,950
interruption of service but but you know

258
00:11:53,850 --> 00:11:58,009
hopefully the guys will be able to pull

259
00:11:55,950 --> 00:12:00,629
the extra weight for a little while and

260
00:11:58,009 --> 00:12:02,370
as I said we are going bi-weekly that

261
00:12:00,629 --> 00:12:04,409
was one of the factors that led to our

262
00:12:02,370 --> 00:12:07,919
decision to go every two weeks because

263
00:12:04,409 --> 00:12:11,269
you know I'm I'm birthing a baby and Ben

264
00:12:07,919 --> 00:12:14,009
is birthing his next book and Pasquale

265
00:12:11,269 --> 00:12:14,730
pesco has begun a new job and that's the

266
00:12:14,009 --> 00:12:17,129
thing that that's the thing about

267
00:12:14,730 --> 00:12:19,830
podcasting is none of us are gonna make

268
00:12:17,129 --> 00:12:21,450
a million dollars on podcast

269
00:12:19,830 --> 00:12:23,730
now you have to kind of fit into our

270
00:12:21,450 --> 00:12:26,490
normal life schedule we certainly do

271
00:12:23,730 --> 00:12:28,379

and it's wonderful to hear you actually

272

00:12:26,490 --> 00:12:30,509

over the past months you have taken a

273

00:12:28,379 --> 00:12:32,399

more permanent role on the podcast where

274

00:12:30,509 --> 00:12:35,309

in the early days it was fun with Ben

275

00:12:32,399 --> 00:12:37,679

and Pasquale and then when you came on

276

00:12:35,309 --> 00:12:39,629

board as a regular I I think the show

277

00:12:37,679 --> 00:12:41,939

really lifted and I really mean that

278

00:12:39,629 --> 00:12:44,399

it's great to hear your voice oh well

279

00:12:41,940 --> 00:12:46,520

thank you yeah I have tried not to take

280

00:12:44,399 --> 00:12:49,019

over but like I said scheduling as

281

00:12:46,519 --> 00:12:51,029

especially with Pasquale having many

282

00:12:49,019 --> 00:12:53,519

more job duties and not being available

283

00:12:51,029 --> 00:12:55,259

for some of the recent episodes I've

284

00:12:53,519 --> 00:12:57,689

kind of had to step up and be a little

285

00:12:55,259 --> 00:12:59,580

bit more vocal and and it's always fun

286
00:12:57,690 --> 00:13:02,130
to argue with Ben I mean he's just a

287
00:12:59,580 --> 00:13:06,509
great guy to shoot the breeze with and

288
00:13:02,129 --> 00:13:09,750
make fun of occasionally yes yes we've

289
00:13:06,509 --> 00:13:11,090
all been there I think yes all right

290
00:13:09,750 --> 00:13:13,830
we'll look Celestia again

291
00:13:11,090 --> 00:13:15,899
congratulations on on the upcoming baby

292
00:13:13,830 --> 00:13:17,370
but really congratulations of course on

293
00:13:15,899 --> 00:13:18,870
all the wonderful work you do on

294
00:13:17,370 --> 00:13:21,000
squaring the strange it would not be the

295
00:13:18,870 --> 00:13:23,100
same without you and I'm so pleased that

296
00:13:21,000 --> 00:13:26,490
you're a part of it somebody has to keep

297
00:13:23,100 --> 00:13:28,889
those two in line well I'm delighted you

298
00:13:26,490 --> 00:13:31,200
enjoy listening Richard I really do

299
00:13:28,889 --> 00:13:32,580
folks if you want to hear squaring the

300
00:13:31,200 --> 00:13:35,430
strange right from the early days

301
00:13:32,580 --> 00:13:37,139
there'll be a link in this week's show

302
00:13:35,429 --> 00:13:38,789
notes or just Google squaring the

303
00:13:37,139 --> 00:13:41,519
strange and you can hear Pasquale Ben

304
00:13:38,789 --> 00:13:43,079
and Celestia but for now Celestia Ward

305
00:13:41,519 --> 00:13:45,659
all the way over there in Las Vegas

306
00:13:43,080 --> 00:13:47,370
thank you very much thank you Richard

307
00:13:45,659 --> 00:13:49,699
and I'll catch you later on squaring the

308
00:13:47,370 --> 00:13:49,700
strange

309
00:13:50,100 --> 00:14:10,500
[Music]

310
00:14:07,070 --> 00:14:12,629
hey fellow skeptics in Medford here with

311
00:14:10,500 --> 00:14:15,000
celestial Ward your friendly host of

312
00:14:12,629 --> 00:14:17,250
sparing the strange a podcast that looks

313
00:14:15,000 --> 00:14:19,529
at topics ranging from legends and

314

00:14:17,250 --> 00:14:21,809
cryptids and panics meaty myths

315
00:14:19,529 --> 00:14:24,120
psychology and folklore breaking things

316
00:14:21,809 --> 00:14:25,859
down and picking things apart as we

317
00:14:24,120 --> 00:14:27,389
skeptics do we bring different

318
00:14:25,860 --> 00:14:29,970
perspectives to the table

319
00:14:27,389 --> 00:14:32,220
Russia for example is a witty cartoonist

320
00:14:29,970 --> 00:14:34,860
and Ben is a brilliant writer and

321
00:14:32,220 --> 00:14:37,110
longtime skeptical investigator we don't

322
00:14:34,860 --> 00:14:39,419
always agree well we have fun trying and

323
00:14:37,110 --> 00:14:42,180
we learn new things join us for new

324
00:14:39,419 --> 00:14:44,009
topics every week or two or browse our

325
00:14:42,179 --> 00:14:47,370
backlog of evergreen episodes

326
00:14:44,009 --> 00:14:49,590
available on iTunes and all your podcast

327
00:14:47,370 --> 00:14:53,210
feeding troughs swearing the strange

328
00:14:49,590 --> 00:14:53,210

take care of strangers

329

00:14:54,759 --> 00:15:11,559

[Music]

330

00:15:04,970 --> 00:15:11,560

yeah let's have a random rent

331

00:15:12,009 --> 00:15:15,389

with dr. Paulie

332

00:15:18,519 --> 00:15:24,818

total numbers have been decreasing

333

00:15:20,899 --> 00:15:28,818

globally due to waste climate change and

334

00:15:24,818 --> 00:15:31,309

tourism unfortunately many people in

335

00:15:28,818 --> 00:15:34,099

Indonesia who are dependent on money

336

00:15:31,309 --> 00:15:38,000

made from tourism use turtle shells in

337

00:15:34,100 --> 00:15:42,110

jewelry and also sell turtle eggs as a

338

00:15:38,000 --> 00:15:45,318

delicacy recently I spoke with Hannah

339

00:15:42,110 --> 00:15:47,750

swab Padova from save turtle net in a

340

00:15:45,318 --> 00:15:50,059

small Prague cafe about what she's been

341

00:15:47,750 --> 00:15:53,870

doing with the in Tunisian people to

342

00:15:50,059 --> 00:15:57,619

help save Turtles okay so it's dr. Paula

343
00:15:53,870 --> 00:15:59,629
here and I'm with the founder of save

344
00:15:57,620 --> 00:16:03,049
turtle harness Wobegon

345
00:15:59,629 --> 00:16:07,310
and was sitting in a little cafe in in

346
00:16:03,049 --> 00:16:09,859
center of Prague so so Hanna tell us a

347
00:16:07,309 --> 00:16:13,278
little bit about save turtle and what it

348
00:16:09,860 --> 00:16:15,949
is that you do hmm I'm trying to help

349
00:16:13,278 --> 00:16:20,419
save circle already more than 13 years

350
00:16:15,948 --> 00:16:23,659
so it's really my like the thing what I

351
00:16:20,419 --> 00:16:26,509
wish to do and how I wish to help and it

352
00:16:23,659 --> 00:16:29,179
started just when I was a little kid and

353
00:16:26,509 --> 00:16:31,329
I was going to first class in elementary

354
00:16:29,179 --> 00:16:35,989
school I go to present from my parents

355
00:16:31,328 --> 00:16:38,448
small turtle Lanvin I to care about her

356
00:16:35,990 --> 00:16:42,198
and I was reading a lot about it and I

357
00:16:38,448 --> 00:16:45,620
saw that there was a lot of problems and

358
00:16:42,198 --> 00:16:47,778
that turtles are endangered when I was

359
00:16:45,620 --> 00:16:50,990
18 and I was in secondary school I went

360
00:16:47,778 --> 00:16:52,938
to Mexico as a volunteer and I saw that

361
00:16:50,990 --> 00:16:56,509
the conservation program there are not

362
00:16:52,938 --> 00:16:58,549
so good as I wish so I start to study

363
00:16:56,509 --> 00:17:01,459
University here in crack charles

364
00:16:58,549 --> 00:17:06,529
university and my better and also master

365
00:17:01,458 --> 00:17:08,208
thesis was about sea sea turtle so then

366
00:17:06,529 --> 00:17:10,939
I moved to Indonesia because Indonesia

367
00:17:08,209 --> 00:17:13,578
is the most important place for sea

368
00:17:10,939 --> 00:17:17,779
turtles you can find six from seven

369
00:17:13,578 --> 00:17:19,639
species here in Indonesia but this place

370
00:17:17,779 --> 00:17:24,578
is still very danger for them because

371

00:17:19,640 --> 00:17:28,569
people are watching them for four means

372
00:17:24,578 --> 00:17:30,879
4x and they also kill them for

373
00:17:28,568 --> 00:17:33,638
Rochelle and make a jewellery from it so

374
00:17:30,880 --> 00:17:37,090
it's for me it's really important to to

375
00:17:33,638 --> 00:17:39,069
help here in Indonesia okay cyan

376
00:17:37,089 --> 00:17:43,178
intonation is pretty close to home for

377
00:17:39,069 --> 00:17:45,849
us so I think that's really important

378
00:17:43,179 --> 00:17:48,399
for us to know what kind of damage I

379
00:17:45,849 --> 00:17:51,609
guess we're we're contributing to when

380
00:17:48,398 --> 00:17:54,398
when we go there is tourists so what is

381
00:17:51,609 --> 00:17:56,349
it what is it the same turtle actually

382
00:17:54,398 --> 00:17:58,629
does in Indonesia so I know that you go

383
00:17:56,349 --> 00:18:01,138
and volunteer there but there are other

384
00:17:58,630 --> 00:18:04,269
activities what is the advice to

385
00:18:01,138 --> 00:18:07,769

Indonesia as I said is really important

386

00:18:04,269 --> 00:18:11,589

place for sea turtles and on the east of

387

00:18:07,769 --> 00:18:13,960

Kalimantan here is the parable region

388

00:18:11,589 --> 00:18:17,048

and this region is the eighth most

389

00:18:13,960 --> 00:18:19,298

important place in in the earth for

390

00:18:17,048 --> 00:18:22,929

green turtles and there are also

391

00:18:19,298 --> 00:18:25,869

hospitals or the place and what we do is

392

00:18:22,929 --> 00:18:28,149

that we protect three islands where are

393

00:18:25,869 --> 00:18:32,079

nesting beaches and turtles are laying

394

00:18:28,148 --> 00:18:35,138

eggs here because since second world war

395

00:18:32,079 --> 00:18:38,648

the population of green filters decline

396

00:18:35,138 --> 00:18:42,729

in 91 percent here on the place which is

397

00:18:38,648 --> 00:18:46,479

quite really sharp and it's it's a lot

398

00:18:42,730 --> 00:18:48,519

so because we see that still a lot of

399

00:18:46,480 --> 00:18:51,308

people in Indonesia they are trying to

400
00:18:48,519 --> 00:18:54,370
to take the eggs from the beach and they

401
00:18:51,308 --> 00:18:57,538
are selling it on the market openly and

402
00:18:54,369 --> 00:19:01,959
also on the restaurant for tourists so

403
00:18:57,538 --> 00:19:04,599
we are patrolling the beach and in

404
00:19:01,960 --> 00:19:08,048
protecting the nest in the safe place

405
00:19:04,599 --> 00:19:10,388
which is also very important if you are

406
00:19:08,048 --> 00:19:12,878
coming to Indonesia as a tourist or

407
00:19:10,388 --> 00:19:15,178
everywhere on the on the earth because

408
00:19:12,878 --> 00:19:19,148
it's everywhere in tropical countries

409
00:19:15,179 --> 00:19:21,519
yeah think twice before you eat turtle

410
00:19:19,148 --> 00:19:23,849
eggs and before you eat turtle meat

411
00:19:21,519 --> 00:19:26,378
because all these species they are

412
00:19:23,849 --> 00:19:29,528
protected and they are critically

413
00:19:26,378 --> 00:19:32,888
endangered so yeah I think we do need it

414
00:19:29,528 --> 00:19:35,169
and I guess what are what are the aims

415
00:19:32,888 --> 00:19:37,750
that you guys are trying to achieve in

416
00:19:35,169 --> 00:19:39,519
the long run with save turtle I mean

417
00:19:37,750 --> 00:19:41,630
obviously the king one is to get the

418
00:19:39,519 --> 00:19:44,089
turtle popular

419
00:19:41,630 --> 00:19:48,140
back up and and and to save the turtles

420
00:19:44,089 --> 00:19:50,569
for me early importance is education

421
00:19:48,140 --> 00:19:53,660
because I think that maybe one day we

422
00:19:50,569 --> 00:19:56,299
will not have the money for salary of

423
00:19:53,660 --> 00:19:59,150
Rangers there is two things what can

424
00:19:56,299 --> 00:20:02,569
happen the first one is that he and we

425
00:19:59,150 --> 00:20:05,030
stop sending the salary to Rangers then

426
00:20:02,569 --> 00:20:08,000
they will go out from the island and the

427
00:20:05,029 --> 00:20:11,119
island will be empty and the poachers

428

00:20:08,000 --> 00:20:14,180
will come and take all X and the sea

429
00:20:11,119 --> 00:20:17,989
turtle population will be declining very

430
00:20:14,180 --> 00:20:20,150
quickly but the second option is that we

431
00:20:17,990 --> 00:20:26,000
do education first and we work with

432
00:20:20,150 --> 00:20:29,120
local communities so before this happens

433
00:20:26,000 --> 00:20:32,089
then the people already know that the

434
00:20:29,119 --> 00:20:35,089
sea turtles are more important in in the

435
00:20:32,089 --> 00:20:37,609
sea then on the plate and they will not

436
00:20:35,089 --> 00:20:39,919
come to the island and they will respect

437
00:20:37,609 --> 00:20:42,949
the sea turtles as a part of the nature

438
00:20:39,920 --> 00:20:46,100
habitat and they will help them yeah all

439
00:20:42,950 --> 00:20:48,529
right fantastic and I guess some sauces

440
00:20:46,099 --> 00:20:53,029
we like to pop over to Indonesia all the

441
00:20:48,529 --> 00:20:55,069
time which you're all aware of and so

442
00:20:53,029 --> 00:20:58,099

I'm just wondering what some advice that

443

00:20:55,069 --> 00:21:02,089

you can give to us he's coming over to

444

00:20:58,099 --> 00:21:05,089

in Tunisia and holiday there are several

445

00:21:02,089 --> 00:21:08,109

things what is good thing about versus

446

00:21:05,089 --> 00:21:11,839

plastic because there is a lot of

447

00:21:08,109 --> 00:21:15,919

rubbish and plastic rubbish around in

448

00:21:11,839 --> 00:21:18,529

Indonesia so please take care about your

449

00:21:15,920 --> 00:21:21,800

rubbish don't put it to the to the ocean

450

00:21:18,529 --> 00:21:23,869

and if you are going to for shopping

451

00:21:21,799 --> 00:21:26,960

somewhere I'll take your bag with you

452

00:21:23,869 --> 00:21:31,549

and please try just slowly to explain

453

00:21:26,960 --> 00:21:33,110

people because they will for sure they

454

00:21:31,549 --> 00:21:35,299

don't think that you are crazy why you

455

00:21:33,109 --> 00:21:37,159

don't want to have this plastic bag

456

00:21:35,299 --> 00:21:40,430

which is quite nice and you have some

457
00:21:37,160 --> 00:21:43,160
cold with you so you need plastic bag

458
00:21:40,430 --> 00:21:45,289
try to explain that there is already

459
00:21:43,160 --> 00:21:49,250
enough plastic in the air and it's

460
00:21:45,289 --> 00:21:52,309
better to use it and second thing is

461
00:21:49,250 --> 00:21:55,279
there are two type of sea turtle

462
00:21:52,309 --> 00:21:58,759
conservation centers the one is wood

463
00:21:55,279 --> 00:22:03,859
which is like using the natural veil so

464
00:21:58,759 --> 00:22:06,799
here you can you can it's like our place

465
00:22:03,859 --> 00:22:09,859
you can become a volunteer and you can

466
00:22:06,799 --> 00:22:14,180
go with stranger to the nesting Beach

467
00:22:09,859 --> 00:22:16,039
you can use red headlamp which don't

468
00:22:14,180 --> 00:22:19,600
disturb Turtles and you can see how the

469
00:22:16,039 --> 00:22:23,450
turtles laying egg and you can also

470
00:22:19,599 --> 00:22:26,959
accompany as small hatchlings to go to

471
00:22:23,450 --> 00:22:29,180
the to the ocean and you can help to

472
00:22:26,960 --> 00:22:33,440
collect rubbish in the place but there

473
00:22:29,180 --> 00:22:38,269
is one more type of Sidra conservation

474
00:22:33,440 --> 00:22:41,509
centers and these centers have pores you

475
00:22:38,269 --> 00:22:46,460
will see the difference for first moment

476
00:22:41,509 --> 00:22:51,500
and this this is not really not really

477
00:22:46,460 --> 00:22:54,980
good because the idea is good they think

478
00:22:51,500 --> 00:22:57,920
that there is there is small hatchlings

479
00:22:54,980 --> 00:23:00,950
just newly hatch and they are so tiny so

480
00:22:57,920 --> 00:23:03,650
they are not ready to go to to the ocean

481
00:23:00,950 --> 00:23:07,610
because they will be difficult for them

482
00:23:03,650 --> 00:23:10,370
to survive so they think that it will be

483
00:23:07,609 --> 00:23:13,699
better if they put the turtles to the

484
00:23:10,369 --> 00:23:17,149
pool and they will give them some food

485

00:23:13,700 --> 00:23:20,960
and that these turtles will survive who

486
00:23:17,150 --> 00:23:23,660
will be good but the sea turtles from

487
00:23:20,960 --> 00:23:26,360
the name you can see that that they are

488
00:23:23,660 --> 00:23:28,220
from the sea not from the pool so better

489
00:23:26,359 --> 00:23:31,279
for them

490
00:23:28,220 --> 00:23:34,450
be naturally in the sea this the

491
00:23:31,279 --> 00:23:37,970
problems in this swimming pool is that

492
00:23:34,450 --> 00:23:42,380
they the turtles cannot swim here so the

493
00:23:37,970 --> 00:23:45,890
muscles are V and they cannot dive deep

494
00:23:42,380 --> 00:23:48,110
so DeLong and development booth and also

495
00:23:45,890 --> 00:23:51,700
the food is probably different from the

496
00:23:48,109 --> 00:23:55,729
natural van they cannot learn how to

497
00:23:51,700 --> 00:24:00,069
catch food and how to look for that and

498
00:23:55,730 --> 00:24:03,440
the biggest problem is instinct because

499
00:24:00,069 --> 00:24:06,710

hatchlings has the instinct where to go

500

00:24:03,440 --> 00:24:09,650

and how to come back as a dull turtle to

501

00:24:06,710 --> 00:24:13,548

to lay eggs only first two days after

502

00:24:09,650 --> 00:24:16,009

hatched and if they are on the pool for

503

00:24:13,548 --> 00:24:18,619

six months for one year they will lose

504

00:24:16,009 --> 00:24:22,460

this instinct and they will not be able

505

00:24:18,619 --> 00:24:25,879

to come back to the same Beach for

506

00:24:22,460 --> 00:24:29,298

nesting so they will be like lost and

507

00:24:25,880 --> 00:24:33,919

they cannot be part of the migration and

508

00:24:29,298 --> 00:24:37,279

far of the reproduction so see that our

509

00:24:33,919 --> 00:24:38,720

population can decline this totally

510

00:24:37,279 --> 00:24:42,019

defeats the purpose of what they're

511

00:24:38,720 --> 00:24:44,659

trying to do you know yeah but really

512

00:24:42,019 --> 00:24:47,179

many theories do not understand yeah I

513

00:24:44,659 --> 00:24:50,480

get around like several emails every

514
00:24:47,179 --> 00:24:53,750
week because to reach the the mere you

515
00:24:50,480 --> 00:24:56,240
are you are protecting Turtles beaver on

516
00:24:53,750 --> 00:24:59,089
our holiday and here we are sending you

517
00:24:56,240 --> 00:25:01,429
a picture that we also help tear across

518
00:24:59,089 --> 00:25:03,769
and there is this turtle from the pool

519
00:25:01,429 --> 00:25:07,820
and and they are just taking picture

520
00:25:03,769 --> 00:25:10,750
during a day is that so it's really a

521
00:25:07,819 --> 00:25:13,668
big job to explain all the time that

522
00:25:10,750 --> 00:25:16,190
this is not a good way of sitter

523
00:25:13,669 --> 00:25:18,288
conservation and it's really important

524
00:25:16,190 --> 00:25:21,169
where you go and which center you

525
00:25:18,288 --> 00:25:23,900
support by your entrance fee because

526
00:25:21,169 --> 00:25:27,370
they think that what they do is good so

527
00:25:23,900 --> 00:25:30,410
you can check out Hanna's save doodlenet

528

00:25:27,369 --> 00:25:33,798

website and find out more

529

00:25:30,410 --> 00:25:35,960

and also we can you can donate to the

530

00:25:33,798 --> 00:25:38,538

cause so they can help pay for the

531

00:25:35,960 --> 00:25:40,700

rangers and and their conservation work

532

00:25:38,538 --> 00:25:44,569

there and I thank you so much for taking

533

00:25:40,700 --> 00:25:47,120

the time to chat with me today and talk

534

00:25:44,569 --> 00:25:48,649

soon yeah thank you so I don't know

535

00:25:47,119 --> 00:25:50,538

about you but there are a couple of

536

00:25:48,650 --> 00:25:52,640

things that I learned from from Hanna

537

00:25:50,538 --> 00:25:54,950

and the big thing that I learned was

538

00:25:52,640 --> 00:25:59,240

that it's really important to work with

539

00:25:54,950 --> 00:26:00,980

people when trying to change behavior we

540

00:25:59,240 --> 00:26:03,230

can see that in Tunisia that people make

541

00:26:00,980 --> 00:26:06,169

a livelihood from selling turtle shells

542

00:26:03,230 --> 00:26:09,529
and turtle eggs and I think part of

543
00:26:06,169 --> 00:26:12,288
Hanna successes come from understanding

544
00:26:09,529 --> 00:26:16,038
this and also providing an alternative

545
00:26:12,288 --> 00:26:17,990
economic income for the people so that

546
00:26:16,038 --> 00:26:20,538
they're not dependent on these products

547
00:26:17,990 --> 00:26:23,569
anymore and that has been really quite

548
00:26:20,538 --> 00:26:26,058
successful I think we can do this in a

549
00:26:23,569 --> 00:26:29,329
number of different areas that we work

550
00:26:26,058 --> 00:26:31,490
in and are concerned with in skepticism

551
00:26:29,329 --> 00:26:33,558
and I think it's really important to

552
00:26:31,490 --> 00:26:35,538
remember that if people are dependent on

553
00:26:33,558 --> 00:26:37,460
something economically that they're

554
00:26:35,538 --> 00:26:39,769
unlikely to change their behavior

555
00:26:37,460 --> 00:26:42,620
overnight unless an alternative is

556
00:26:39,769 --> 00:26:45,109

provided so if you've got the time go to

557

00:26:42,619 --> 00:26:47,329

save total net have a look at what

558

00:26:45,109 --> 00:26:49,158

they're doing because I think they're

559

00:26:47,329 --> 00:26:52,849

doing really important work that's not

560

00:26:49,159 --> 00:26:55,909

only impacting Indonesia but hopefully

561

00:26:52,849 --> 00:26:58,250

will have an impact globally and if

562

00:26:55,909 --> 00:26:59,750

you've got a couple of spare box please

563

00:26:58,250 --> 00:27:02,630

donate to them because they're doing

564

00:26:59,750 --> 00:27:04,788

some really fantastic work all right

565

00:27:02,630 --> 00:27:07,700

thanks for listening to my read Spain

566

00:27:04,788 --> 00:27:10,390

dr. poorly and until next time stay

567

00:27:07,700 --> 00:27:10,390

skeptical

568

00:27:13,380 --> 00:27:20,489

[Music]

569

00:27:22,930 --> 00:27:31,720

[Music]

570

00:27:28,440 --> 00:27:35,490

like watch your guide to quackery health

571
00:27:31,720 --> 00:27:38,230
fraud operated by Stephan Barratt MD

572
00:27:35,490 --> 00:27:40,028
quack watch is now an international

573
00:27:38,230 --> 00:27:42,849
network of people who are concerned

574
00:27:40,028 --> 00:27:46,359
about health related frauds myths fads

575
00:27:42,849 --> 00:27:49,089
fallacies and misconduct its primary

576
00:27:46,359 --> 00:27:51,339
focus is on quackery related information

577
00:27:49,089 --> 00:27:55,839
that is difficult or impossible to get

578
00:27:51,339 --> 00:27:59,288
elsewhere articles include quackery how

579
00:27:55,839 --> 00:28:00,579
should it be defined how it sells 26

580
00:27:59,288 --> 00:28:03,519
ways to spot it

581
00:28:00,579 --> 00:28:12,178
Howard Homs cancer patients and much

582
00:28:03,519 --> 00:28:12,179
more ww-why watch

583
00:28:12,269 --> 00:28:16,420
[Music]

584
00:28:20,339 --> 00:28:27,048
[Music]

585
00:28:27,619 --> 00:28:35,869
published at skeptics comdata you on the

586
00:28:31,220 --> 00:28:37,759
4th of September 2018 an open letter to

587
00:28:35,869 --> 00:28:41,719
the returned and services League of

588
00:28:37,759 --> 00:28:44,339
Australia let the dead rest in peace

589
00:28:41,720 --> 00:28:47,440
[Music]

590
00:28:44,339 --> 00:28:50,049
through its clubs the returned services

591
00:28:47,440 --> 00:28:52,000
League commemorates our servicemen and

592
00:28:50,049 --> 00:28:56,319
women including some who made the

593
00:28:52,000 --> 00:28:58,720
ultimate sacrifice we are concerned that

594
00:28:56,319 --> 00:29:01,359
those clubs are occasionally used for a

595
00:28:58,720 --> 00:29:04,120
form of entertainment that is

596
00:29:01,359 --> 00:29:06,250
disrespectful to the departed and to

597
00:29:04,119 --> 00:29:09,129
their relatives and friends for many

598
00:29:06,250 --> 00:29:13,420
years RSL clubs have hosted performances

599

00:29:09,130 --> 00:29:15,820
by so-called psychics or clairvoyance

600
00:29:13,420 --> 00:29:18,279
who purport to make contact with the

601
00:29:15,819 --> 00:29:20,799
spirit world and relay messages between

602
00:29:18,279 --> 00:29:23,740
audience members and deceased relatives

603
00:29:20,799 --> 00:29:26,619
or friends if these performances were

604
00:29:23,740 --> 00:29:27,460
described as quote for entertainment

605
00:29:26,619 --> 00:29:29,678
purposes only

606
00:29:27,460 --> 00:29:32,220
end quote then there would be less

607
00:29:29,679 --> 00:29:35,830
objection but they are described by

608
00:29:32,220 --> 00:29:38,230
psychics and as actual contact with the

609
00:29:35,829 --> 00:29:40,329
dead with all the intense and

610
00:29:38,230 --> 00:29:43,299
potentially distressing personal and

611
00:29:40,329 --> 00:29:45,099
emotional impact that that entails such

612
00:29:43,299 --> 00:29:48,220
performances have been thoroughly

613
00:29:45,099 --> 00:29:50,980

investigated by experts over long period

614

00:29:48,220 --> 00:29:54,100

these performers use the time-honored

615

00:29:50,980 --> 00:29:57,099

technique of quote cold reading end

616

00:29:54,099 --> 00:29:59,649

quote which is well known to specialists

617

00:29:57,099 --> 00:30:01,719

magicians known as mentalists the

618

00:29:59,650 --> 00:30:03,550

psychics are not communicating with

619

00:30:01,720 --> 00:30:06,610

spirits they are performing a trick

620

00:30:03,549 --> 00:30:09,039

though in a context we suggest is highly

621

00:30:06,609 --> 00:30:11,589

disrespectful people need to work

622

00:30:09,039 --> 00:30:12,250

through their grief when a loved one has

623

00:30:11,589 --> 00:30:14,889

passed away

624

00:30:12,250 --> 00:30:16,329

it cheapens the memory of any deceased

625

00:30:14,890 --> 00:30:18,550

person to use their name for

626

00:30:16,329 --> 00:30:20,649

entertainment it is completely out of

627

00:30:18,549 --> 00:30:23,049

order when the deceased person had

628
00:30:20,650 --> 00:30:25,140
served their country and when the

629
00:30:23,049 --> 00:30:28,899
performance occurs in a building

630
00:30:25,140 --> 00:30:30,790
dedicated to the memory of the Fallen we

631
00:30:28,900 --> 00:30:33,280
therefore call upon the RSL and its

632
00:30:30,789 --> 00:30:36,369
clubs to stop hosting this exploitative

633
00:30:33,279 --> 00:30:39,279
and disrespectful form of entertainment

634
00:30:36,369 --> 00:30:42,399
and this is signed Australian skeptics

635
00:30:39,279 --> 00:30:45,660
Inc Vic's skeptics Queensland skeptics

636
00:30:42,400 --> 00:30:50,590
Gold Coast skeptics Hobart skeptics and

637
00:30:45,660 --> 00:30:54,940
W a skeptics and as an aside I myself

638
00:30:50,589 --> 00:30:56,819
have long been going to RSL clubs for

639
00:30:54,940 --> 00:30:58,980
various reasons in fact

640
00:30:56,819 --> 00:31:00,720
the think tank segment which occurs

641
00:30:58,980 --> 00:31:05,519
occasionally on the sceptic zone is

642
00:31:00,720 --> 00:31:08,610
recorded at an RSL Club and I have many

643
00:31:05,519 --> 00:31:11,668
times gone to see performances of these

644
00:31:08,609 --> 00:31:13,769
so-called psychics for more information

645
00:31:11,669 --> 00:31:16,710
you can read this letter for yourself at

646
00:31:13,769 --> 00:31:30,849
skeptics comm dot au

647
00:31:16,710 --> 00:31:34,700
[Music]

648
00:31:30,849 --> 00:31:36,409
this is NASA her eyes she a flat earth

649
00:31:34,700 --> 00:31:39,019
but we should lie to everybody about it

650
00:31:36,410 --> 00:31:41,929
and say it's round 10 for maximum fun

651
00:31:39,019 --> 00:31:45,319
brings you the latest podcast an expose

652
00:31:41,929 --> 00:31:47,269
on the Flat Earth I want to take

653
00:31:45,319 --> 00:31:49,039
advantage of humankind and make them

654
00:31:47,269 --> 00:31:50,509
believe a lie so that they will trust us

655
00:31:49,039 --> 00:31:52,399
at the government it's all an elaborate

656

00:31:50,509 --> 00:31:54,230
lie and when you get on a plane they

657
00:31:52,400 --> 00:31:56,660
purposefully fly you farther than you

658
00:31:54,230 --> 00:31:58,429
need to go it's disgusting it needs to

659
00:31:56,660 --> 00:32:00,019
be stopped and if you listen to oh no

660
00:31:58,429 --> 00:32:06,050
Ross and Carrie we will tell you the

661
00:32:00,019 --> 00:32:07,609
truth behind the lies we will just tell

662
00:32:06,049 --> 00:32:09,109
you the truth behind the truth because

663
00:32:07,609 --> 00:32:11,329
what we do is we look at extraordinary

664
00:32:09,109 --> 00:32:13,609
claims that's right we've gone

665
00:32:11,329 --> 00:32:15,409
undercover with alternative medical

666
00:32:13,609 --> 00:32:17,959
treatments fringe religious groups

667
00:32:15,410 --> 00:32:20,210
fringe science claims a spiritual

668
00:32:17,960 --> 00:32:21,950
paranormal were there to check it out

669
00:32:20,210 --> 00:32:24,200
and let you know what happens is the

670
00:32:21,950 --> 00:32:27,410

Queen Mary haunted I don't know find out

671

00:32:24,200 --> 00:32:29,240

we show up we make friends we learn what

672

00:32:27,410 --> 00:32:31,100

happens when you ask questions and we

673

00:32:29,240 --> 00:32:33,679

tell you all about it and we get all

674

00:32:31,099 --> 00:32:37,019

that funky stuff done to us it's oh no

675

00:32:33,679 --> 00:32:45,230

Ross and Carrie and maximum fun dork

676

00:32:37,019 --> 00:32:47,970

[Music]

677

00:32:45,230 --> 00:32:50,370

hi well this is Kevin Davies and I am

678

00:32:47,970 --> 00:32:52,230

here at the Amy and I'm here with Major

679

00:32:50,369 --> 00:32:56,009

General Michael Ryan and Mick cook

680

00:32:52,230 --> 00:32:58,230

gentlemen how are you well me just me

681

00:32:56,009 --> 00:33:01,079

just me and me excellent

682

00:32:58,230 --> 00:33:04,620

so Nick we tell a little bit about

683

00:33:01,079 --> 00:33:06,720

yourself I'm straight Army officer and

684

00:33:04,619 --> 00:33:09,089

I'm a total nerd love science fiction

685
00:33:06,720 --> 00:33:10,799
and at the moment I'm commanding the

686
00:33:09,089 --> 00:33:13,500
Australian offense College and that

687
00:33:10,799 --> 00:33:15,299
really means I'm about the intellectual

688
00:33:13,500 --> 00:33:16,519
development of military people and

689
00:33:15,299 --> 00:33:19,619
preparing them for the future

690
00:33:16,519 --> 00:33:21,960
excellent and Mick you so I'm a non

691
00:33:19,619 --> 00:33:24,059
award-winning podcast host and a veteran

692
00:33:21,960 --> 00:33:26,610
of Afghanistan who also enjoys science

693
00:33:24,059 --> 00:33:29,009
fiction and debating modern conflict and

694
00:33:26,609 --> 00:33:30,659
what podcast is that I see did prescient

695
00:33:29,009 --> 00:33:32,339
podcast and also I co-host

696
00:33:30,660 --> 00:33:34,230
wolf read since season 2 is coming up

697
00:33:32,339 --> 00:33:36,750
soon so the reason why we're here is

698
00:33:34,230 --> 00:33:39,809
because both of you gentlemen recently

699
00:33:36,750 --> 00:33:41,730
wrote a chapter in the new book what is

700
00:33:39,809 --> 00:33:43,710
the book called so called strategy

701
00:33:41,730 --> 00:33:46,710
Strikes Back how Star Wars explains

702
00:33:43,710 --> 00:33:48,360
modern military conflict and so how did

703
00:33:46,710 --> 00:33:50,400
the two of you get involved in this

704
00:33:48,359 --> 00:33:51,809
project well I got involved because

705
00:33:50,400 --> 00:33:54,950
someone said an email do you wanna write

706
00:33:51,809 --> 00:33:58,559
a chapter so I said yes and I'm an easy

707
00:33:54,950 --> 00:34:01,080
ask for those kinds no I mean this was

708
00:33:58,559 --> 00:34:02,519
generated by a couple of people in the

709
00:34:01,079 --> 00:34:05,789
United States from the modern war

710
00:34:02,519 --> 00:34:08,190
Institute they're on the front here Matt

711
00:34:05,789 --> 00:34:09,960
Cavanaugh in particular and he pitched

712
00:34:08,190 --> 00:34:11,490
this idea and I went yeah I want to

713

00:34:09,960 --> 00:34:14,760
participate in writing about our

714
00:34:11,489 --> 00:34:17,009
profession and sparking interest amongst

715
00:34:14,760 --> 00:34:18,690
a wider range of people and using Star

716
00:34:17,010 --> 00:34:21,060
Wars as the framework was great because

717
00:34:18,690 --> 00:34:23,820
I'm a star wolves not know about you

718
00:34:21,059 --> 00:34:26,059
Mick similar sort story and email out of

719
00:34:23,820 --> 00:34:28,409
the blue saying do you want in and I

720
00:34:26,059 --> 00:34:30,659
write back we've got a chapter ready to

721
00:34:28,409 --> 00:34:31,769
go let's do it so very very simple sauce

722
00:34:30,659 --> 00:34:35,898
you already had one ready to go

723
00:34:31,769 --> 00:34:38,190
pretty much not according to Ed John

724
00:34:35,898 --> 00:34:39,750
apparently wasn't so ready he quite a

725
00:34:38,190 --> 00:34:42,659
few months worth work Michael it was

726
00:34:39,750 --> 00:34:44,909
really at the time why how does star was

727
00:34:42,659 --> 00:34:47,039

explained modern conflict well I think

728

00:34:44,909 --> 00:34:48,898

it explains quite a few things it's a

729

00:34:47,039 --> 00:34:52,440

framework for looking at the issues that

730

00:34:48,898 --> 00:34:54,859

we face as professionals everything from

731

00:34:52,440 --> 00:34:57,500

strategy and strategic thinking

732

00:34:54,860 --> 00:35:00,349

to ethical decision-making down to

733

00:34:57,500 --> 00:35:02,960

tactics and operations and here you have

734

00:35:00,349 --> 00:35:06,110

different parts of an organization the

735

00:35:02,960 --> 00:35:08,599

joint military forces or military and

736

00:35:06,110 --> 00:35:10,280

civilian parts or interagency is a great

737

00:35:08,599 --> 00:35:11,839

framework to look at how you can help

738

00:35:10,280 --> 00:35:14,900

them work together more collaboratively

739

00:35:11,840 --> 00:35:16,970

yeah I totally agree especially in terms

740

00:35:14,900 --> 00:35:18,590

of the useful word framework you can

741

00:35:16,969 --> 00:35:20,989

watch Star Wars and understand every

742
00:35:18,590 --> 00:35:23,180
conflict going on right now in the world

743
00:35:20,989 --> 00:35:25,219
but you can understand parts of certain

744
00:35:23,179 --> 00:35:27,319
conflicts by using Star Wars as a

745
00:35:25,219 --> 00:35:29,869
framework and a lens a good example is

746
00:35:27,320 --> 00:35:31,580
that you know Luke Skywalker was a rural

747
00:35:29,869 --> 00:35:34,849
farm boy who was radicalized and joined

748
00:35:31,579 --> 00:35:36,500
the insurgency force so very very strong

749
00:35:34,849 --> 00:35:38,150
parallels with some of the some of the

750
00:35:36,500 --> 00:35:40,159
conflict zones out there right now I

751
00:35:38,150 --> 00:35:40,789
never quite thought of it that way but I

752
00:35:40,159 --> 00:35:42,769
see your point

753
00:35:40,789 --> 00:35:45,320
does it tell us a little bit more about

754
00:35:42,769 --> 00:35:47,329
the book well it's designed to a general

755
00:35:45,320 --> 00:35:50,120
reader it can well be a military officer

756
00:35:47,329 --> 00:35:51,259
who's who's deeply read in military

757
00:35:50,119 --> 00:35:53,719
history and a range of contemporary

758
00:35:51,260 --> 00:35:55,160
issues and a king will be someone just

759
00:35:53,719 --> 00:35:57,829
walking down the street who has a

760
00:35:55,159 --> 00:36:00,170
passing interests it's designed to be a

761
00:35:57,829 --> 00:36:02,179
compendium of different issues in short

762
00:36:00,170 --> 00:36:05,030
articles that cover a range of different

763
00:36:02,179 --> 00:36:07,250
themes all through the framework of the

764
00:36:05,030 --> 00:36:11,090
Star Wars universe and what does your

765
00:36:07,250 --> 00:36:13,190
chapter focus on my fact focus is the

766
00:36:11,090 --> 00:36:15,620
Grand Army of the Republic and it's

767
00:36:13,190 --> 00:36:17,389
descent into the forces of the Empire

768
00:36:15,619 --> 00:36:20,059
but I look at the strategic issues

769
00:36:17,389 --> 00:36:22,519
around that about setting strategic

770

00:36:20,059 --> 00:36:25,759
objectives about the lethal sorry the

771
00:36:22,519 --> 00:36:29,889
legal and the ethical use of force in

772
00:36:25,760 --> 00:36:32,420
its failure to retail around you know

773
00:36:29,889 --> 00:36:35,599
democracies have military forces that

774
00:36:32,420 --> 00:36:39,200
need to work to the civil authority that

775
00:36:35,599 --> 00:36:42,920
need to work to ethical and legal

776
00:36:39,199 --> 00:36:44,419
political outcomes and that they should

777
00:36:42,920 --> 00:36:47,000
do so in a way that's effective

778
00:36:44,420 --> 00:36:49,070
efficient and ethical and what about you

779
00:36:47,000 --> 00:36:51,969
me what did you focus on so my chapters

780
00:36:49,070 --> 00:36:55,220
are not as creative as general Ryan's

781
00:36:51,969 --> 00:36:57,980
because I I come at it more from a and a

782
00:36:55,219 --> 00:37:00,739
standard essay approach and I explore

783
00:36:57,980 --> 00:37:02,469
Just War theory and particularly weapons

784
00:37:00,739 --> 00:37:05,019

of mass destruction collateral damage

785

00:37:02,469 --> 00:37:07,118

I focus on the Death Star's destruction

786

00:37:05,019 --> 00:37:08,710

of planet Alderaan because I mean I only

787

00:37:07,119 --> 00:37:11,410

have to watch 15 minutes of Star Wars to

788

00:37:08,710 --> 00:37:13,449

get on my research done but I used Just

789

00:37:11,409 --> 00:37:15,879

War Theory in the idea of distinction

790

00:37:13,449 --> 00:37:17,319

proportionality necessity to examine

791

00:37:15,880 --> 00:37:19,599

whether or not that was a just decision

792

00:37:17,320 --> 00:37:21,460

and then compare that to real-world

793

00:37:19,599 --> 00:37:23,289

examples of weapons of mass destruction

794

00:37:21,460 --> 00:37:25,780

namely the destruction of cities of

795

00:37:23,289 --> 00:37:28,480

Hiroshima and Nagasaki well certainly a

796

00:37:25,780 --> 00:37:30,070

lot to cover there how can we find the

797

00:37:28,480 --> 00:37:31,780

book and how can we reach you two

798

00:37:30,070 --> 00:37:34,059

gentlemen well you can find it on Amazon

799

00:37:31,780 --> 00:37:36,040

it's available through Amazon and

800

00:37:34,059 --> 00:37:38,019

there's also a podcast that interviews

801

00:37:36,039 --> 00:37:39,519

many of the authors and involved so you

802

00:37:38,019 --> 00:37:42,369

can read the book listen to the podcast

803

00:37:39,519 --> 00:37:44,409

follow it on Twitter and how can we

804

00:37:42,369 --> 00:37:46,990

reach you well you can reach both of us

805

00:37:44,409 --> 00:37:48,250

on Twitter because we're quite I'd like

806

00:37:46,989 --> 00:37:49,629

to say we're big in the Twittersphere I

807

00:37:48,250 --> 00:37:52,449

think we're just prolific rather than

808

00:37:49,630 --> 00:37:54,849

big babies life into them but you find

809

00:37:52,449 --> 00:37:56,669

Jenner on at war in the future and you

810

00:37:54,849 --> 00:37:58,990

can find myself at meek under school

811

00:37:56,670 --> 00:38:00,619

okay gentlemen thank you very much this

812

00:37:58,989 --> 00:38:09,319

has been really informative

813
00:38:00,619 --> 00:38:12,179
[Music]

814
00:38:09,320 --> 00:38:14,940
greetings listeners it's me captain

815
00:38:12,179 --> 00:38:17,489
disillusion on my youtube channel called

816
00:38:14,940 --> 00:38:19,740
captain disillusion aye captain

817
00:38:17,489 --> 00:38:21,779
disillusion analyzed viral videos of the

818
00:38:19,739 --> 00:38:24,479
strange and unbelievable I explained how

819
00:38:21,780 --> 00:38:26,280
interframe video compression 3d motion

820
00:38:24,480 --> 00:38:28,320
tracking and stock V effects elements

821
00:38:26,280 --> 00:38:30,870
proved that Justin Bieber is not a

822
00:38:28,320 --> 00:38:32,880
secret reptilian alien that those videos

823
00:38:30,869 --> 00:38:34,889
of ghost cars are just unintentional

824
00:38:32,880 --> 00:38:36,570
optical illusions and that lightning did

825
00:38:34,889 --> 00:38:38,460
not strike a few feet away from a girl

826
00:38:36,570 --> 00:38:41,190
on a beach as we saw in the news I'm

827

00:38:38,460 --> 00:38:45,000
real fun at parties my best friend is a

828
00:38:41,190 --> 00:38:46,950
lens flare disillusion I do know other

829
00:38:45,000 --> 00:38:47,579
people sometimes they even show up in my

830
00:38:46,949 --> 00:38:49,949
videos

831
00:38:47,579 --> 00:38:52,349
people like skepticisms grandpa James

832
00:38:49,949 --> 00:38:52,799
Randi serve de Soleil Acrobat Erica

833
00:38:52,349 --> 00:38:54,960
Lin's

834
00:38:52,800 --> 00:38:57,120
weight loss enthusiast Penn Jillette and

835
00:38:54,960 --> 00:38:59,400
the actual Beekman from Beakman's world

836
00:38:57,119 --> 00:39:01,710
I hope you'll check out my adventures

837
00:38:59,400 --> 00:39:04,019
interact with me in a platonic way and

838
00:39:01,710 --> 00:39:06,510
even consider becoming a patron of my

839
00:39:04,019 --> 00:39:09,800
work you can do all that and more on

840
00:39:06,510 --> 00:39:17,900
YouTube or at Captain disillusion calm

841
00:39:09,800 --> 00:39:17,900

[Music]

842

00:39:17,909 --> 00:39:23,429
and joining me now all the way from

843

00:39:20,400 --> 00:39:27,599
Monash University in Melbourne it's Lee

844

00:39:23,429 --> 00:39:30,119
Murray hello Lee hi I'm doing really

845

00:39:27,599 --> 00:39:32,579
well nice to catch up with you I'm so

846

00:39:30,119 --> 00:39:34,259
intrigued and I'm sure our listeners

847

00:39:32,579 --> 00:39:37,259
will be so intrigued about what you do

848

00:39:34,260 --> 00:39:39,960
now you'll be speaking at the skeptic on

849

00:39:37,260 --> 00:39:41,910
the convention here in Sydney next month

850

00:39:39,960 --> 00:39:43,320
we'll get to that soon but let's have a

851

00:39:41,909 --> 00:39:44,969
little chat about what you do and I

852

00:39:43,320 --> 00:39:52,700
suppose chat is the operative word

853

00:39:44,969 --> 00:39:52,699
because you study linguistics I do I'm

854

00:39:55,760 --> 00:39:59,850
certainly within general we're

855

00:39:57,780 --> 00:40:02,670
interested in the interface between

856
00:39:59,849 --> 00:40:04,739
language and society and that's a really

857
00:40:02,670 --> 00:40:06,630
really broad search and there are lots

858
00:40:04,739 --> 00:40:10,439
of different specialties within it so

859
00:40:06,630 --> 00:40:11,940
there are some of us who look at whether

860
00:40:10,440 --> 00:40:13,950
or not there might be some kind of

861
00:40:11,940 --> 00:40:16,679
change in language going on over time so

862
00:40:13,949 --> 00:40:18,210
if we look at people who are older and

863
00:40:16,679 --> 00:40:20,190
then we compare them to people who are

864
00:40:18,210 --> 00:40:22,139
younger we might get some kind of idea

865
00:40:20,190 --> 00:40:25,970
of whether language has changed over

866
00:40:22,139 --> 00:40:28,829
time or some of us might look at

867
00:40:25,969 --> 00:40:30,689
multilingualism what happens when people

868
00:40:28,829 --> 00:40:34,139
with different languages and different

869
00:40:30,690 --> 00:40:36,240
cultures coexist in the same place well

870
00:40:34,139 --> 00:40:39,329
what are what is thinking because

871
00:40:36,239 --> 00:40:42,269
Australia would be just the the ideal

872
00:40:39,329 --> 00:40:44,130
test tube for this wouldn't it yeah

873
00:40:42,269 --> 00:40:46,079
absolutely we are a massively

874
00:40:44,130 --> 00:40:48,329
multicultural and multilingual society

875
00:40:46,079 --> 00:40:50,940
particularly down here in Melbourne and

876
00:40:48,329 --> 00:40:53,099
and not to mention the years that have

877
00:40:50,940 --> 00:40:56,039
gone by and I mean if I think about my

878
00:40:53,099 --> 00:40:58,849
own experiences the phrases and the way

879
00:40:56,039 --> 00:41:01,769
people spoke when I was a little boy I

880
00:40:58,849 --> 00:41:03,449
don't know if the word dying out is

881
00:41:01,769 --> 00:41:06,509
appropriate there's certainly been it's

882
00:41:03,449 --> 00:41:08,279
been changing over the years yes and you

883
00:41:06,510 --> 00:41:14,100
will often find people complaining about

884

00:41:08,280 --> 00:41:16,140
that change and what we do know is that

885
00:41:14,099 --> 00:41:17,519
language has been changing ever since we

886
00:41:16,139 --> 00:41:20,129
started communicating with each other

887
00:41:17,519 --> 00:41:23,039
and probably for about that long people

888
00:41:20,130 --> 00:41:25,829
have been complaining about it oh well

889
00:41:23,039 --> 00:41:29,190
you can see this when people yell at the

890
00:41:25,829 --> 00:41:31,289
TV at the newsreaders for pronouncing

891
00:41:29,190 --> 00:41:34,110
things incorrectly or to their

892
00:41:31,289 --> 00:41:37,110
pronouncing things incorrectly yeah

893
00:41:34,110 --> 00:41:39,750
absolutely I mean we've got letters that

894
00:41:37,110 --> 00:41:41,789
people have written 100 200 years ago

895
00:41:39,750 --> 00:41:45,210
complaining about how the young people

896
00:41:41,789 --> 00:41:49,679
keep talking the wrong way seriously

897
00:41:45,210 --> 00:41:52,230
that's funny that's a yes for a while

898
00:41:49,679 --> 00:41:54,929

there was a huge thing with the youth

899

00:41:52,230 --> 00:41:57,750

thing you instead of Val and how that

900

00:41:54,929 --> 00:41:59,279

we're going to destroy English oh well

901

00:41:57,750 --> 00:42:01,019

that that's the reason we've discovered

902

00:41:59,280 --> 00:42:05,220

the reason why English has been going

903

00:42:01,019 --> 00:42:07,409

downhill all these years little things

904

00:42:05,219 --> 00:42:09,079

we do know is that younger people are

905

00:42:07,409 --> 00:42:12,000

the ones who are driving language change

906

00:42:09,079 --> 00:42:15,179

in general and it's usually young women

907

00:42:12,000 --> 00:42:16,739

actually really so it'll be yeah so

908

00:42:15,179 --> 00:42:18,299

there will be something that young women

909

00:42:16,739 --> 00:42:20,009

do with their language and everybody

910

00:42:18,300 --> 00:42:21,720

would pile on it and everybody will make

911

00:42:20,010 --> 00:42:24,060

fun of us and everybody will tell them

912

00:42:21,719 --> 00:42:25,649

it makes them sound stupid and then sure

913
00:42:24,059 --> 00:42:28,320
enough a few years later everybody's

914
00:42:25,650 --> 00:42:31,139
doing it have you looked into the the

915
00:42:28,320 --> 00:42:34,170
like phenomenon in other words some

916
00:42:31,139 --> 00:42:37,109
young people in my experience will drop

917
00:42:34,170 --> 00:42:39,510
the word like once or twice in a

918
00:42:37,110 --> 00:42:41,400
sentence every sentence where it's just

919
00:42:39,510 --> 00:42:43,140
astounding how many times they can fit

920
00:42:41,400 --> 00:42:46,019
the word like into their sentence

921
00:42:43,139 --> 00:42:47,460
structure yes and one of the reasons

922
00:42:46,019 --> 00:42:49,650
they do that so much is that there are

923
00:42:47,460 --> 00:42:53,490
actually multiple uses of the word like

924
00:42:49,650 --> 00:42:56,070
going on so sometimes we do it when

925
00:42:53,489 --> 00:42:57,569
there's a pause with so we're saying I'm

926
00:42:56,070 --> 00:42:58,950
not done talking yet just give me a

927

00:42:57,570 --> 00:43:01,680
second

928

00:42:58,949 --> 00:43:03,119
sometimes it's when we're about to quote

929

00:43:01,679 --> 00:43:04,319
someone or when we were about to mimic

930

00:43:03,119 --> 00:43:06,299
someone so you'll often hear the

931

00:43:04,320 --> 00:43:09,150
construction are and then he was like

932

00:43:06,300 --> 00:43:12,390
what are you doing and we call out a

933

00:43:09,150 --> 00:43:15,269
quote - yeah yeah and so that just means

934

00:43:12,389 --> 00:43:16,529
what you're introducing what someone has

935

00:43:15,269 --> 00:43:18,119
said you're about to report what

936

00:43:16,530 --> 00:43:21,840
somebody has said you're about to become

937

00:43:18,119 --> 00:43:23,699
even and that gets mixed up I think in

938

00:43:21,840 --> 00:43:25,890
people's minds with people using like

939

00:43:23,699 --> 00:43:27,899
other filler that's interesting because

940

00:43:25,889 --> 00:43:31,799
you're absolutely right and when people

941

00:43:27,900 --> 00:43:35,369
do use it in that fashion as the example

942
00:43:31,800 --> 00:43:36,090
you quoted and he was like and what are

943
00:43:35,369 --> 00:43:39,150
you doing here

944
00:43:36,090 --> 00:43:40,590
to my ear at least it sounds well it

945
00:43:39,150 --> 00:43:42,630
still sounds a bit strange but I don't

946
00:43:40,590 --> 00:43:45,480
have any problem understanding what

947
00:43:42,630 --> 00:43:48,108
they're trying to tell me yeah

948
00:43:45,480 --> 00:43:51,240
which is the functional language I guess

949
00:43:48,108 --> 00:43:52,650
yes so there's a lot of people

950
00:43:51,239 --> 00:43:54,328
complaining about how something's

951
00:43:52,650 --> 00:43:56,789
incorrect and how it makes communication

952
00:43:54,329 --> 00:43:58,950
unclear but in general the linguist

953
00:43:56,789 --> 00:44:03,000
position is did you hear I understand

954
00:43:58,949 --> 00:44:05,789
you if so then it was perfectly fine you

955
00:44:03,000 --> 00:44:08,250

make a very good point and and far be it

956

00:44:05,789 --> 00:44:10,469
from us to halt the evolution of

957

00:44:08,250 --> 00:44:13,199
language it just runs off all by itself

958

00:44:10,469 --> 00:44:15,769
and and all sorts of phrases and words

959

00:44:13,199 --> 00:44:17,699
and ways of saying things come come up

960

00:44:15,769 --> 00:44:19,469
exactly the things that we think are

961

00:44:17,699 --> 00:44:22,889
perfectly unremarkable now or once

962

00:44:19,469 --> 00:44:25,649
considered horrific and it reminds me of

963

00:44:22,889 --> 00:44:27,929
words like awful for example which had a

964

00:44:25,650 --> 00:44:32,309
different origin aliy full of ore and

965

00:44:27,929 --> 00:44:34,858
now it's terrible yes they do that they

966

00:44:32,309 --> 00:44:36,990
meaning shift over time meaning switch

967

00:44:34,858 --> 00:44:38,460
with each other over time they get more

968

00:44:36,989 --> 00:44:39,000
and more specific over time yeah

969

00:44:38,460 --> 00:44:41,670
absolutely

970
00:44:39,000 --> 00:44:43,500
what a fascinating area of research it

971
00:44:41,670 --> 00:44:46,490
truly it's deeply interesting and I

972
00:44:43,500 --> 00:44:49,440
think it it would interest anybody and

973
00:44:46,489 --> 00:44:51,659
the good news is as I alluded to at the

974
00:44:49,440 --> 00:44:53,608
top of the interview you'll be heading

975
00:44:51,659 --> 00:44:55,230
sydney way to speak at our national

976
00:44:53,608 --> 00:44:57,719
convention are these some of the sort of

977
00:44:55,230 --> 00:45:00,510
abroad subjects you'll be telling us

978
00:44:57,719 --> 00:45:03,298
about I'm gonna be a little bit more

979
00:45:00,510 --> 00:45:05,130
specific in my talk up there one of the

980
00:45:03,298 --> 00:45:06,989
areas that I'm particularly interested

981
00:45:05,130 --> 00:45:09,510
in because I specialize in Australian

982
00:45:06,989 --> 00:45:11,129
English and I'm interested in the kinds

983
00:45:09,510 --> 00:45:14,309
of decisions that we make about people

984
00:45:11,130 --> 00:45:17,490
based on how they talk really really

985
00:45:14,309 --> 00:45:23,339
where we at can't stop thinking of Henry

986
00:45:17,489 --> 00:45:25,439
Higgins can we yes one of the words that

987
00:45:23,338 --> 00:45:29,039
comes up a lot in my research is bogan

988
00:45:25,440 --> 00:45:31,530
well that's relatively new isn't it yeah

989
00:45:29,039 --> 00:45:33,659
well that's a good question with they'll

990
00:45:31,530 --> 00:45:35,599
try to figure out exactly what the word

991
00:45:33,659 --> 00:45:38,578
bogan means it's one of those words that

992
00:45:35,599 --> 00:45:40,530
Australians use all the time but often

993
00:45:38,579 --> 00:45:41,880
quite aren't quite aware of what they

994
00:45:40,530 --> 00:45:45,119
mean when they say it we don't really

995
00:45:41,880 --> 00:45:46,710
have a good definition yet it seems to

996
00:45:45,119 --> 00:45:49,710
have something to do with social class

997
00:45:46,710 --> 00:45:51,809
yeah primarily before anything else but

998

00:45:49,710 --> 00:45:54,329
what I'm going to be focusing on in my

999
00:45:51,809 --> 00:45:56,430
talk is looking at these kinds of

1000
00:45:54,329 --> 00:45:58,410
decisions that people make and how

1001
00:45:56,429 --> 00:45:59,009
perhaps they're not quite as rational as

1002
00:45:58,409 --> 00:46:05,099
we like to

1003
00:45:59,010 --> 00:46:07,650
oh you shocked me but I'm going to be

1004
00:46:05,099 --> 00:46:09,059
showing some data from my own research

1005
00:46:07,650 --> 00:46:11,430
where I've actually gone out and tried

1006
00:46:09,059 --> 00:46:13,079
to learn these things about how people

1007
00:46:11,429 --> 00:46:15,509
make these judgments and what the works

1008
00:46:13,079 --> 00:46:17,069
of things they decide wow that's that's

1009
00:46:15,510 --> 00:46:18,690
where did my appetite I'm sure that's

1010
00:46:17,070 --> 00:46:22,500
where did the appetite of that listeners

1011
00:46:18,690 --> 00:46:24,269
who are even now even now heading to the

1012
00:46:22,500 --> 00:46:25,500

convention websites to buy a ticket

1013

00:46:24,269 --> 00:46:27,750
after listening to this interesting

1014

00:46:25,500 --> 00:46:28,320
teaser about what you'll be speaking

1015

00:46:27,750 --> 00:46:30,210
about

1016

00:46:28,320 --> 00:46:31,530
leemarie I can't wait to meet you in

1017

00:46:30,210 --> 00:46:34,019
person and I'll certainly be in the

1018

00:46:31,530 --> 00:46:36,240
audience paying attention to your talk

1019

00:46:34,019 --> 00:46:38,099
because this is an area that has always

1020

00:46:36,239 --> 00:46:39,719
interest me and especially over the last

1021

00:46:38,099 --> 00:46:41,819
ten years of being a podcaster and

1022

00:46:39,719 --> 00:46:43,769
dealing a lot with languages it's a

1023

00:46:41,820 --> 00:46:45,630
particular interest so there's the clue

1024

00:46:43,769 --> 00:46:48,150
folks another reason to get your

1025

00:46:45,630 --> 00:46:50,130
convention tickets but for now leemarie

1026

00:46:48,150 --> 00:46:52,099
from Monash University thank you very

1027
00:46:50,130 --> 00:47:01,680
much thank you

1028
00:46:52,099 --> 00:47:05,230
[Music]

1029
00:47:01,679 --> 00:47:07,169
hi this is Heidi Robertson from the

1030
00:47:05,230 --> 00:47:10,050
Northern Rivers vaccination supporters

1031
00:47:07,170 --> 00:47:12,610
we are a group of concerned citizens

1032
00:47:10,050 --> 00:47:15,250
dedicated to promoting good science and

1033
00:47:12,610 --> 00:47:18,370
common sense in our region the far north

1034
00:47:15,250 --> 00:47:19,929
coast of New South Wales this area are

1035
00:47:18,369 --> 00:47:23,259
famous for its natural beauty and

1036
00:47:19,929 --> 00:47:26,619
relaxed lifestyle also has the lowest

1037
00:47:23,260 --> 00:47:28,900
rates of vaccination in Australia we are

1038
00:47:26,619 --> 00:47:31,239
out to change that by challenging the

1039
00:47:28,900 --> 00:47:32,920
myths and misinformation and by

1040
00:47:31,239 --> 00:47:36,250
providing good evidence-based

1041
00:47:32,920 --> 00:47:38,079
information to the community we'd love

1042
00:47:36,250 --> 00:47:41,679
for you no matter where you are in the

1043
00:47:38,079 --> 00:47:49,299
world to join our fight please visit our

1044
00:47:41,679 --> 00:47:52,299
webpage at wwlp.com folk we also have a

1045
00:47:49,300 --> 00:47:55,240
link there to our Facebook page tweet us

1046
00:47:52,300 --> 00:47:57,730
at in our FAQs supporters

1047
00:47:55,239 --> 00:48:00,279
that's va ex and check us out on

1048
00:47:57,730 --> 00:48:03,469
Wikipedia by searching for Northern

1049
00:48:00,280 --> 00:48:17,289
Rivers vaccination supporters thank you

1050
00:48:03,469 --> 00:48:20,389
[Music]

1051
00:48:17,289 --> 00:48:23,599
it's a Friday in Sydney and we are

1052
00:48:20,389 --> 00:48:25,519
actually seated on what would assisting

1053
00:48:23,599 --> 00:48:28,910
was sitting sitting on a wall offense

1054
00:48:25,519 --> 00:48:31,369
the samstone Bella straight outside Town

1055

00:48:28,909 --> 00:48:34,250
Hall yes it's in the Town Hall here we

1056
00:48:31,369 --> 00:48:36,019
are and we're in years past we could

1057
00:48:34,250 --> 00:48:39,500
watch the cars whiz by we're actually

1058
00:48:36,019 --> 00:48:43,338
watching the very who construction

1059
00:48:39,500 --> 00:48:44,719
of the city's new light rail yes indeed

1060
00:48:43,338 --> 00:48:46,788
hopefully it'll be good when it's all

1061
00:48:44,719 --> 00:48:49,879
finished and operating in a couple of

1062
00:48:46,789 --> 00:48:53,180
years one year we don't know now even it

1063
00:48:49,880 --> 00:48:55,608
sits in rice the challenge coordinator

1064
00:48:53,179 --> 00:48:57,588
and a longtime investigator for strange

1065
00:48:55,608 --> 00:48:59,358
sceptics a longtime listeners to the

1066
00:48:57,588 --> 00:49:01,099
show certainly know Ian's voice over the

1067
00:48:59,358 --> 00:49:06,199
years we've discussed all sorts of

1068
00:49:01,099 --> 00:49:08,269
things from nuclear physics to the Higgs

1069
00:49:06,199 --> 00:49:09,858

boson lately and I was just asking you

1070

00:49:08,269 --> 00:49:11,179

before because we've just come from the

1071

00:49:09,858 --> 00:49:12,889

Australian Museum where you and I have

1072

00:49:11,179 --> 00:49:15,318

been performing our mystery

1073

00:49:12,889 --> 00:49:17,480

investigators show and I was just asking

1074

00:49:15,318 --> 00:49:19,489

you before what happened to the Higgs

1075

00:49:17,480 --> 00:49:21,019

boson II and I mean it was it was huge

1076

00:49:19,489 --> 00:49:22,548

news and then suddenly it sort of fell

1077

00:49:21,019 --> 00:49:24,829

off the front page a little bit uh-huh

1078

00:49:22,548 --> 00:49:26,329

well of course all all discoveries are

1079

00:49:24,829 --> 00:49:28,130

overtaken by something else yes they

1080

00:49:26,329 --> 00:49:30,440

discovered the Higgs boson in the Large

1081

00:49:28,130 --> 00:49:34,400

Hadron Collider in and which was

1082

00:49:30,440 --> 00:49:36,200

announced in 2012 and after that they

1083

00:49:34,400 --> 00:49:38,298

they closed down the Large Hadron

1084
00:49:36,199 --> 00:49:40,489
Collider to upgrade it so it'll have

1085
00:49:38,298 --> 00:49:43,369
double the power so they'll be able to

1086
00:49:40,489 --> 00:49:46,909
find more Higgs bosons and more

1087
00:49:43,369 --> 00:49:48,858
particles so that's operating again I

1088
00:49:46,909 --> 00:49:50,778
believe and we should hear about some

1089
00:49:48,858 --> 00:49:52,639
more particles soon some heavier

1090
00:49:50,778 --> 00:49:54,829
particles in the Higgs and more details

1091
00:49:52,639 --> 00:49:58,548
about the Higgs when you say they've

1092
00:49:54,829 --> 00:50:01,760
doubled the power how does that work

1093
00:49:58,548 --> 00:50:03,230
exactly if they accelerate they talk

1094
00:50:01,760 --> 00:50:07,278
about the energy of the particles

1095
00:50:03,230 --> 00:50:10,039
currently it can collide to protons with

1096
00:50:07,278 --> 00:50:12,619
an energy of 7 GeV

1097
00:50:10,039 --> 00:50:15,020
g-get electron volts and then upgrading

1098
00:50:12,619 --> 00:50:18,230
it so they'll have a total energy of 14

1099
00:50:15,019 --> 00:50:21,349
GeV which would be even more powerful I

1100
00:50:18,230 --> 00:50:23,990
suppose it's your dream astute would be

1101
00:50:21,349 --> 00:50:28,430
to visit this Collider oh I have done

1102
00:50:23,989 --> 00:50:29,959
I'm sorry I'm sorry I if I knew I forgot

1103
00:50:28,429 --> 00:50:33,440
that that's that's wonderful

1104
00:50:29,960 --> 00:50:35,358
its predecessor anyway an earlier device

1105
00:50:33,440 --> 00:50:38,329
in the same tunnel as it turned out in

1106
00:50:35,358 --> 00:50:41,058
the 1980s yes so there was something

1107
00:50:38,329 --> 00:50:45,318
there that long ago yes indeed it's been

1108
00:50:41,059 --> 00:50:47,630
around since maybe the 1950s and when

1109
00:50:45,318 --> 00:50:49,009
they read they repurposed parts of it

1110
00:50:47,630 --> 00:50:51,798
like when they upgrade it

1111
00:50:49,010 --> 00:50:53,329
they keep parts of the old one and they

1112

00:50:51,798 --> 00:50:57,139
keep they reused the tunnels as

1113
00:50:53,329 --> 00:50:58,609
tunneling is very expensive so they so

1114
00:50:57,139 --> 00:51:00,379
it's the second or third accelerator

1115
00:50:58,608 --> 00:51:02,989
which has been in that 27 kilometer

1116
00:51:00,380 --> 00:51:05,778
tunnel and just as we were speaking a

1117
00:51:02,989 --> 00:51:07,939
man on a skateboard skated up took our

1118
00:51:05,778 --> 00:51:10,818
photograph gave me the thumbs up and

1119
00:51:07,940 --> 00:51:12,200
he's just skated away it again oh we we

1120
00:51:10,818 --> 00:51:12,889
might appear on some of them skewer

1121
00:51:12,199 --> 00:51:15,409
Bloggie and

1122
00:51:12,889 --> 00:51:18,409
yes these little mysteries one can't be

1123
00:51:15,409 --> 00:51:21,199
sure maybe he's gone to a parallel

1124
00:51:18,409 --> 00:51:22,460
universe yes maybe he has you know it's

1125
00:51:21,199 --> 00:51:24,619
something else that's probably not known

1126
00:51:22,460 --> 00:51:27,920

the Large Hadron Collider what that

1127

00:51:24,619 --> 00:51:31,279

refers to is it collides hadrons which

1128

00:51:27,920 --> 00:51:35,809

is not only protons but atomic nuclei

1129

00:51:31,280 --> 00:51:38,570

bare nuclei for example lead nuclei it's

1130

00:51:35,809 --> 00:51:41,420

designed to collide to lead nuclei

1131

00:51:38,570 --> 00:51:43,940

together and a lit nucleus has many

1132

00:51:41,420 --> 00:51:47,119

protons and neutrons in it so when you

1133

00:51:43,940 --> 00:51:48,950

collide two of those they all get very

1134

00:51:47,119 --> 00:51:51,460

hot the energy goes into all of them

1135

00:51:48,949 --> 00:51:54,519

they bounce around off one another

1136

00:51:51,460 --> 00:51:58,519

representing what's sometimes called a

1137

00:51:54,519 --> 00:52:00,110

quark-gluon soup or quark gluon plasma

1138

00:51:58,519 --> 00:52:02,659

which represents the condition of the

1139

00:52:00,110 --> 00:52:05,360

universe something like 10 to the minus

1140

00:52:02,659 --> 00:52:07,849

32 seconds after after the Big Bang so

1141
00:52:05,360 --> 00:52:09,769
so there's more physics comes out of it

1142
00:52:07,849 --> 00:52:12,380
out of those different experiments and

1143
00:52:09,769 --> 00:52:16,699
you would be the sort of person in the

1144
00:52:12,380 --> 00:52:19,220
know the news of the Higgs boson was

1145
00:52:16,699 --> 00:52:22,669
what four years ago am i guessing five

1146
00:52:19,219 --> 00:52:24,589
years of 2012 20 2012 that long ago and

1147
00:52:22,670 --> 00:52:26,659
what if I read a song of a musical about

1148
00:52:24,590 --> 00:52:29,630
you certainly did you stood up yes that

1149
00:52:26,659 --> 00:52:31,969
night video that in fact folks are

1150
00:52:29,630 --> 00:52:35,720
linked in the show notes to IANS song

1151
00:52:31,969 --> 00:52:38,509
about the the Higgs boson I appeared to

1152
00:52:35,719 --> 00:52:41,389
the world in July 2012 and made

1153
00:52:38,510 --> 00:52:42,950
headlines in every newspaper that's the

1154
00:52:41,389 --> 00:52:44,960
one and you can hear the rest of it in

1155
00:52:42,949 --> 00:52:48,019
front of YouTube just look up ode to the

1156
00:52:44,960 --> 00:52:50,059
Higgs boson yes I'll check the links in

1157
00:52:48,019 --> 00:52:51,650
this week's show notes so since 2012

1158
00:52:50,059 --> 00:52:53,480
what is that brought us what you

1159
00:52:51,650 --> 00:52:55,220
understanding into the universe collided

1160
00:52:53,480 --> 00:52:56,630
as I said the lead nuclei to learn more

1161
00:52:55,219 --> 00:52:58,489
about the conditions in the early Big

1162
00:52:56,630 --> 00:52:59,990
Bang and now it's upgraded they're

1163
00:52:58,489 --> 00:53:01,399
searching for heavier particles I

1164
00:52:59,989 --> 00:53:05,029
understand it I haven't heard the latest

1165
00:53:01,400 --> 00:53:06,440
news but the Higgs is unlikely to be

1166
00:53:05,030 --> 00:53:08,519
there on its own it's gonna have some

1167
00:53:06,440 --> 00:53:10,889
brothers and sisters which

1168
00:53:08,519 --> 00:53:14,489
around at the same mess in the hundreds

1169

00:53:10,889 --> 00:53:16,348
of mega electron volts and what does

1170
00:53:14,489 --> 00:53:18,179
this mean in everyday life I mean is it

1171
00:53:16,349 --> 00:53:19,920
more interesting scientific discoveries

1172
00:53:18,179 --> 00:53:22,230
I guess we don't know because these

1173
00:53:19,920 --> 00:53:23,550
things tend to lead like a snowball

1174
00:53:22,230 --> 00:53:25,800
effect and you never know what's going

1175
00:53:23,550 --> 00:53:27,930
to come about well they've always got

1176
00:53:25,800 --> 00:53:30,890
some purpose it's not often you get to

1177
00:53:27,929 --> 00:53:32,819
do a scientific experiment with on spec

1178
00:53:30,889 --> 00:53:35,730
saying we don't know what it'll tell us

1179
00:53:32,820 --> 00:53:39,000
because if it costs a hundred trillion

1180
00:53:35,730 --> 00:53:41,579
dollars no one's gonna pay that on spec

1181
00:53:39,000 --> 00:53:43,679
yeah so one thing the the Higgs field

1182
00:53:41,579 --> 00:53:46,259
verifies that aspect of the standard

1183
00:53:43,679 --> 00:53:47,879

model of particle physics that the Higgs

1184

00:53:46,260 --> 00:53:50,040

particle verifies that there's a Higgs

1185

00:53:47,880 --> 00:53:52,740

field and Higgs field plays a role in

1186

00:53:50,039 --> 00:53:54,329

the early universe in fact that tonight

1187

00:53:52,739 --> 00:53:58,229

I'm speaking on Stephen Hawking's

1188

00:53:54,329 --> 00:54:01,769

physics and one of his some of his work

1189

00:53:58,230 --> 00:54:04,829

was to do with the inflation process in

1190

00:54:01,769 --> 00:54:08,039

the universe and it was driven by a

1191

00:54:04,829 --> 00:54:09,598

scalar field in theory which could be

1192

00:54:08,039 --> 00:54:13,039

the Higgs field or could be a variation

1193

00:54:09,599 --> 00:54:15,480

of it it would be something else so that

1194

00:54:13,039 --> 00:54:17,099

it's that field which created the

1195

00:54:15,480 --> 00:54:19,130

inflation period they believe where

1196

00:54:17,099 --> 00:54:21,420

everything was expanding so rapidly that

1197

00:54:19,130 --> 00:54:24,180

the whole thing lasted about 10 to the

1198
00:54:21,420 --> 00:54:28,630
minus 32 seconds anyway Stephen

1199
00:54:24,179 --> 00:54:31,179
Hawking's last paper was on

1200
00:54:28,630 --> 00:54:34,450
it's called a smooth exit from eternal

1201
00:54:31,179 --> 00:54:36,250
inflation and that's governed by a field

1202
00:54:34,449 --> 00:54:39,399
which could well be the Higgs field or

1203
00:54:36,250 --> 00:54:41,590
related so therefore the new experiments

1204
00:54:39,400 --> 00:54:44,860
in Large Hadron Collider could tell us

1205
00:54:41,590 --> 00:54:47,140
about whether that theory is true or not

1206
00:54:44,860 --> 00:54:48,640
and one of the things that I don't know

1207
00:54:47,139 --> 00:54:50,349
if it's happened yet but I'm sure it

1208
00:54:48,639 --> 00:54:53,319
will happen it happened with the word

1209
00:54:50,349 --> 00:54:55,509
quantum it seems that the half the woo

1210
00:54:53,320 --> 00:54:58,240
we come across these days they'll say

1211
00:54:55,510 --> 00:55:00,070
this is quantum or this works by quantum

1212
00:54:58,239 --> 00:55:03,269
energy or but this pill has quantum

1213
00:55:00,070 --> 00:55:05,620
entanglement inside but I haven't heard

1214
00:55:03,269 --> 00:55:08,349
been talking about this pill or this

1215
00:55:05,619 --> 00:55:10,359
device is Higgs I think they still have

1216
00:55:08,349 --> 00:55:11,920
to use the word quantum but as I

1217
00:55:10,360 --> 00:55:14,920
understand it and I don't understand

1218
00:55:11,920 --> 00:55:17,829
quantum that this is just using a word

1219
00:55:14,920 --> 00:55:19,420
out of science isn't it yes has a very

1220
00:55:17,829 --> 00:55:21,639
specific meaning in science and one

1221
00:55:19,420 --> 00:55:23,260
thing we laugh about it's the fact when

1222
00:55:21,639 --> 00:55:25,150
someone does this represents a quantum

1223
00:55:23,260 --> 00:55:28,030
leap in human rights what they mean is

1224
00:55:25,150 --> 00:55:31,030
are largely I see yeah a quantum leap is

1225
00:55:28,030 --> 00:55:32,320
a smallest possible you can get the

1226

00:55:31,030 --> 00:55:34,630
other word that they throw around is

1227
00:55:32,320 --> 00:55:36,760
holographic the holographic universe

1228
00:55:34,630 --> 00:55:39,160
that's a legitimate field of scientific

1229
00:55:36,760 --> 00:55:41,980
study but it's been hijacked by the woo

1230
00:55:39,159 --> 00:55:44,739
masters we talk about the holographic

1231
00:55:41,980 --> 00:55:46,990
universes as explaining human

1232
00:55:44,739 --> 00:55:48,669
consciousness and it's synergy with the

1233
00:55:46,989 --> 00:55:50,469
rest of the universe and it basically

1234
00:55:48,670 --> 00:55:53,380
says all things are interconnected and

1235
00:55:50,469 --> 00:55:55,439
interconnected yeah how will we get this

1236
00:55:53,380 --> 00:55:58,119
all the time and especially words like

1237
00:55:55,440 --> 00:56:01,679
vibrate hello what was that oh that's

1238
00:55:58,119 --> 00:56:04,449
bus is stuck over there two buses

1239
00:56:01,679 --> 00:56:07,929
vibration is a word frequently used in

1240
00:56:04,449 --> 00:56:11,049

these mind-body wallet festivals energy

1241

00:56:07,929 --> 00:56:13,029

is the the most misused word I think has

1242

00:56:11,050 --> 00:56:14,250

energy embedded in any energy of the

1243

00:56:13,030 --> 00:56:17,490

energy and oh yeah

1244

00:56:14,250 --> 00:56:19,050

I mean as a scientist a physicist an

1245

00:56:17,489 --> 00:56:21,479

engineer that must drive you crazy

1246

00:56:19,050 --> 00:56:23,640

yes I've many times asked people such as

1247

00:56:21,480 --> 00:56:25,880

at the bone the mind-body-spirit

1248

00:56:23,639 --> 00:56:29,819

festival that you you're selling this

1249

00:56:25,880 --> 00:56:31,590

device which has got energies in a well

1250

00:56:29,820 --> 00:56:33,360

energy is what your electricity meters

1251

00:56:31,590 --> 00:56:36,110

measures exactly but that's what it's

1252

00:56:33,360 --> 00:56:39,289

for it's a measure electrical energy and

1253

00:56:36,110 --> 00:56:41,670

they don't know what I'm talking about

1254

00:56:39,289 --> 00:56:44,279

is understanding the word energy which

1255
00:56:41,670 --> 00:56:45,059
is just fictitious made-up but it makes

1256
00:56:44,280 --> 00:56:47,160
sense to them

1257
00:56:45,059 --> 00:56:49,230
that's right vibration and frequencies

1258
00:56:47,159 --> 00:56:51,659
remember the wine card you get skeptics

1259
00:56:49,230 --> 00:56:54,719
in the pub test of this the wine card

1260
00:56:51,659 --> 00:56:57,989
which had hidden frequency vibrations

1261
00:56:54,719 --> 00:57:01,409
and you drink enough wine then you sing

1262
00:56:57,989 --> 00:57:03,119
also the vibrations as frequency yes you

1263
00:57:01,409 --> 00:57:05,460
know integrated ketchup with you thanks

1264
00:57:03,119 --> 00:57:07,230
for being in the mystery investigators

1265
00:57:05,460 --> 00:57:09,570
show today at the Australian Museum that

1266
00:57:07,230 --> 00:57:11,099
was a lot of fun as ever and as your

1267
00:57:09,570 --> 00:57:15,059
Richard and we look forward to more

1268
00:57:11,099 --> 00:57:17,819
interesting news on the Higgs boson feel

1269
00:57:15,059 --> 00:57:20,599
accelerator slammer put another song to

1270
00:57:17,820 --> 00:57:32,500
that that was sexy

1271
00:57:20,599 --> 00:57:32,500
[Music]

1272
00:57:38,139 --> 00:57:43,609
thank you for listening to the skeptic

1273
00:57:40,849 --> 00:57:46,130
zone now a message really aimed at those

1274
00:57:43,610 --> 00:57:50,599
folks listening to us in the United

1275
00:57:46,130 --> 00:57:52,940
States of America at the moment the

1276
00:57:50,599 --> 00:57:57,009
Australian dollar is going down the

1277
00:57:52,940 --> 00:58:01,010
gurgler I think at the moment it's about

1278
00:57:57,010 --> 00:58:03,830
71 cents compared to the US dollar not

1279
00:58:01,010 --> 00:58:06,380
good if if you're an Australian buying

1280
00:58:03,829 --> 00:58:07,909
things from the United States great if

1281
00:58:06,380 --> 00:58:09,619
you're an American coming here for a

1282
00:58:07,909 --> 00:58:12,259
holiday you know a dollar goes a lot

1283

00:58:09,619 --> 00:58:14,509
further and as far as the skeptic zone

1284
00:58:12,260 --> 00:58:16,820
is concerned it means that those people

1285
00:58:14,510 --> 00:58:20,630
who contribute from the United States

1286
00:58:16,820 --> 00:58:25,640
using US dollars your contribution goes

1287
00:58:20,630 --> 00:58:29,720
further hey Siri what's ten u.s. dollars

1288
00:58:25,639 --> 00:58:34,069
in Australian dollars ten u.s. dollars

1289
00:58:29,719 --> 00:58:36,889
is \$14 seven seven cents so there you go

1290
00:58:34,070 --> 00:58:39,800
if you contribute \$10 u.s. it turns into

1291
00:58:36,889 --> 00:58:42,769
14 dollars and seven cents here in

1292
00:58:39,800 --> 00:58:44,480
Australia if you'd like to chip in at

1293
00:58:42,769 --> 00:58:46,639
the moment those people listening in the

1294
00:58:44,480 --> 00:58:49,070
United States we get a bigger bang for

1295
00:58:46,639 --> 00:58:50,659
your buck now don't forget on the tour

1296
00:58:49,070 --> 00:58:53,510
of October here in Sydney of the

1297
00:58:50,659 --> 00:58:55,969

Occidental hotel that's a Friday evening

1298

00:58:53,510 --> 00:58:58,610

we have a huge welcome event for our

1299

00:58:55,969 --> 00:59:00,799

guests coming to the Australian skeptics

1300

00:58:58,610 --> 00:59:02,809

convention skeptic on this is open to

1301

00:59:00,800 --> 00:59:06,410

everybody of course we're gonna have

1302

00:59:02,809 --> 00:59:08,539

lots of fun and a big trivia night to to

1303

00:59:06,409 --> 00:59:11,480

look forward to with some prizes to give

1304

00:59:08,539 --> 00:59:14,329

way if you love trivia all we ask is you

1305

00:59:11,480 --> 00:59:16,940

just register so we know the numbers

1306

00:59:14,329 --> 00:59:18,559

it's a free night and you can do that by

1307

00:59:16,940 --> 00:59:21,470

following the links on this week's show

1308

00:59:18,559 --> 00:59:23,420

notes or visiting skeptics comdata you

1309

00:59:21,469 --> 00:59:25,939

and following the links there of course

1310

00:59:23,420 --> 00:59:28,099

while you're on that page registering

1311

00:59:25,940 --> 00:59:31,730

for the trivia night you can buy your

1312
00:59:28,099 --> 00:59:32,960
tickets for the skeptic on coming up on

1313
00:59:31,730 --> 00:59:37,219
next week's show we're going to be

1314
00:59:32,960 --> 00:59:39,769
looking into foot detox machines detox

1315
00:59:37,219 --> 00:59:41,899
your foot well the claim is that detox

1316
00:59:39,769 --> 00:59:43,820
is your whole body through your feet

1317
00:59:41,900 --> 00:59:46,849
some highlights from the last skeptics

1318
00:59:43,820 --> 00:59:49,070
in the pub with Maynard the story about

1319
00:59:46,849 --> 00:59:50,059
the blood donation I was discussing at

1320
00:59:49,070 --> 00:59:52,519
the top of the show

1321
00:59:50,059 --> 00:59:54,980
and we catch up with Claire Klingenberg

1322
00:59:52,519 --> 00:59:57,469
from the Czech Republic who was recently

1323
00:59:54,980 --> 01:00:01,429
in Scotland and Germany where she helped

1324
00:59:57,469 --> 01:00:02,179
test some paranormal powers that should

1325
01:00:01,429 --> 01:00:04,309
be interesting

1326
01:00:02,179 --> 01:00:11,119
so until then mrs. Richard Saunders

1327
01:00:04,309 --> 01:00:12,920
signing off from Sydney Australia you've

1328
01:00:11,119 --> 01:00:15,549
been listening to the skeptic zone

1329
01:00:12,920 --> 01:00:22,220
podcast please visit our website at

1330
01:00:15,550 --> 01:00:25,720
wwlp.com tax and to access the bat

1331
01:00:22,219 --> 01:00:28,399
catalog of episodes going back to 2008

1332
01:00:25,719 --> 01:00:31,699
you can follow the skeptic zone podcast

1333
01:00:28,400 --> 01:00:33,980
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1334
01:00:31,699 --> 01:00:37,339
facebook page or leave a review on

1335
01:00:33,980 --> 01:00:40,699
itunes you can also support the skeptic

1336
01:00:37,340 --> 01:00:43,070
zone via patreon or PayPal the skeptic

1337
01:00:40,699 --> 01:00:44,839
zone podcast is an independent

1338
01:00:43,070 --> 01:00:47,210
production the views and opinions

1339
01:00:44,840 --> 01:00:49,370
expressed on the skeptic zone are not

1340

01:00:47,210 --> 01:00:52,300
necessarily those of Australian skeptics

1341
01:00:49,369 --> 01:00:58,768
or any other skeptical organisation

1342
01:00:52,300 --> 01:00:58,769
[Music]

1343
01:01:02,849 --> 01:01:08,889
I've come downstairs and it's not time

1344
01:01:05,500 --> 01:01:11,949
for me to have some something to eat

1345
01:01:08,889 --> 01:01:14,489
it's time for these two don't want some

1346
01:01:11,949 --> 01:01:14,489
breakfast huh

1347
01:01:27,489 --> 01:01:33,428
[Applause]