

Show 516

THE
**SKEPTIC
ZONE**
PODCAST

9 September 2018

www.skepticzone.tv

Celestia Ward



Celestia Ward from
Squaring the Strange

Dr Paulie with
Hana Svobodová from Save Turtle

Open letter to the RSL
Let the Dead Rest in Peace

Star Wars and military strategy with
Mick Cook and Major General Mick Ryan

Lee Murray looks at Australian Linguistics

Ian Bryce and the Higgs



SAVE TURTLE

1
00:00:09,080 --> 00:00:05,920

[Music]

2
00:00:13,910 --> 00:00:09,090

welcome to the skeptic zone the podcast

3
00:00:16,880 --> 00:00:13,920

from Australia for science and reason

4
00:00:22,570 --> 00:00:16,890

[Applause]

5
00:00:25,429 --> 00:00:22,580

[Music]

6
00:00:28,550 --> 00:00:25,439

hello and welcome to the skeptic Zone

7
00:00:31,850 --> 00:00:28,560

episode number 516 for the ninth of

8
00:00:34,460 --> 00:00:31,860

September 2018 richardsaunders here with

9
00:00:35,869 --> 00:00:34,470

you from Sydney Australia and sometimes

10
00:00:37,850 --> 00:00:35,879

it would be good to have something like

11
00:00:40,850 --> 00:00:37,860

Noah's Ark because just the other day

12
00:00:42,590 --> 00:00:40,860

Friday Friday evening here in Sydney in

13
00:00:46,130 --> 00:00:42,600

this part of Sydney the you know West as

14

00:00:48,680 --> 00:00:46,140

it's called we had a huge storm cell

15

00:00:50,689 --> 00:00:48,690

come over Thunderbolts and lightning

16

00:00:53,180 --> 00:00:50,699

very very frightening me and frightening

17

00:00:57,229 --> 00:00:53,190

the cats actually they were both hiding

18

00:01:00,979 --> 00:00:57,239

under her table a strike a bolt of

19

00:01:05,000 --> 00:01:00,989

lightning hit just near skeptics own

20

00:01:08,090 --> 00:01:05,010

headquarters very close and there was

21

00:01:10,340 --> 00:01:08,100

flooding and hail but everything seems

22

00:01:12,859 --> 00:01:10,350

to be okay now coming up on this week's

23

00:01:17,510 --> 00:01:12,869

show we're going to interview Celestia

24

00:01:19,490 --> 00:01:17,520

ward a wonderful artist she creates

25

00:01:22,490 --> 00:01:19,500

wonderful caricatures of people and

26

00:01:24,920 --> 00:01:22,500

other artistic works and she's also one

27

00:01:27,050 --> 00:01:24,930

of the crew from squaring the strange

28

00:01:29,600 --> 00:01:27,060

podcast the squaring the strange podcast

29

00:01:31,760 --> 00:01:29,610

with Ben and Pasqual they do an

30

00:01:34,100 --> 00:01:31,770

excellent skeptical podcast find out

31

00:01:37,490 --> 00:01:34,110

more with our interview with Celestia

32

00:01:41,330 --> 00:01:37,500

Ward following that it's dr. Pauli with

33

00:01:43,580 --> 00:01:41,340

a random rant this week dr. Pauli

34

00:01:46,190 --> 00:01:43,590

interviews hannah slobbered over from

35

00:01:49,460 --> 00:01:46,200

the czech republic about her efforts to

36

00:01:52,190 --> 00:01:49,470

save turtles in Indonesia and around the

37

00:01:54,350 --> 00:01:52,200

world of course some interesting facts I

38

00:01:58,310 --> 00:01:54,360

bet you didn't know about sea turtles

39

00:02:01,850 --> 00:01:58,320
coming up then we have an open letter to

40

00:02:03,620 --> 00:02:01,860
the RSL association here in Australia

41

00:02:05,810 --> 00:02:03,630
this is their is turned and services

42

00:02:10,040 --> 00:02:05,820
league this is the group of people who

43

00:02:12,770 --> 00:02:10,050
look after the needs of veterans War

44

00:02:15,470 --> 00:02:12,780
veterans and things like that from all

45

00:02:17,330 --> 00:02:15,480
the services and there is a series of

46

00:02:19,460 --> 00:02:17,340
clubs many clubs dotted around the

47

00:02:22,280 --> 00:02:19,470
country there's one just down the road

48

00:02:23,330 --> 00:02:22,290
here in fact where they're a community

49

00:02:27,640 --> 00:02:23,340
club now really

50

00:02:32,440 --> 00:02:27,650
they have entertainment and they have

51
00:02:34,170 --> 00:02:32,450
restaurants and lots of poker machines

52
00:02:36,479 --> 00:02:34,180
lots

53
00:02:38,610 --> 00:02:36,489
of poker machines slot machines

54
00:02:40,559 --> 00:02:38,620
one-armed bandits but getting back to

55
00:02:41,880 --> 00:02:40,569
the entertainment some of the

56
00:02:43,440 --> 00:02:41,890
entertainment they have are these

57
00:02:45,990 --> 00:02:43,450
so-called psychics who go around

58
00:02:49,319 --> 00:02:46,000
pretending or thinking they talk to the

59
00:02:51,030 --> 00:02:49,329
dead and the Australian skeptics have

60
00:02:54,300 --> 00:02:51,040
taken the opinion and this is in

61
00:02:57,449 --> 00:02:54,310
appalling taste to have a show

62
00:03:01,080 --> 00:02:57,459
exploiting the memory of the dead in a

63
00:03:03,440 --> 00:03:01,090

building dedicated to the memory of the

64

00:03:06,420 --> 00:03:03,450

dead to the Fallen servicemen and women

65

00:03:07,679 --> 00:03:06,430

so I'll read that open letter a bit

66

00:03:09,449 --> 00:03:07,689

later on in the show

67

00:03:11,849 --> 00:03:09,459

after that it's reporter Kevin Davies

68

00:03:15,059 --> 00:03:11,859

from the AC T from Canberra the nation's

69

00:03:17,759 --> 00:03:15,069

capital chatting to a couple of military

70

00:03:21,050 --> 00:03:17,769

men and their opinion or their take on

71

00:03:24,690 --> 00:03:21,060

Star Wars when it comes to military

72

00:03:27,990 --> 00:03:24,700

tactics can Star Wars be used to be

73

00:03:30,479 --> 00:03:28,000

shown to teach military tactics an

74

00:03:32,940 --> 00:03:30,489

unusual interview indeed coming up later

75

00:03:35,280 --> 00:03:32,950

on then we have another interview in our

76

00:03:36,750 --> 00:03:35,290

series of interviews with speakers who

77

00:03:40,500 --> 00:03:36,760

will be appearing at the upcoming

78

00:03:42,649 --> 00:03:40,510

skeptic on the skeptics convention here

79

00:03:46,379 --> 00:03:42,659

in Sydney on the 13th and 14th October

80

00:03:49,469 --> 00:03:46,389

this week I chat to Lee Murray who is a

81

00:03:51,990 --> 00:03:49,479

PhD candidate at Monash University in

82

00:03:54,569 --> 00:03:52,000

Victoria and she is a social linguist

83

00:03:58,379 --> 00:03:54,579

she studies language how language is

84

00:04:01,640 --> 00:03:58,389

formed why we say the things we say and

85

00:04:04,649 --> 00:04:01,650

her particular interest is Australian

86

00:04:07,020 --> 00:04:04,659

linguistics and if all that wasn't

87

00:04:09,149 --> 00:04:07,030

enough to round off the show I chat to

88

00:04:10,860 --> 00:04:09,159

the challenge coordinator and

89

00:04:15,809 --> 00:04:10,870

investigator from Australian sceptics

90

00:04:19,649 --> 00:04:15,819

Ian Bryce about the Higgs boson because

91

00:04:23,370 --> 00:04:19,659

he knows a lot about the Higgs boson and

92

00:04:27,240 --> 00:04:23,380

the Large Hadron Collider I mean he

93

00:04:28,830 --> 00:04:27,250

really knows a lot he probably knows

94

00:04:30,899 --> 00:04:28,840

where all the restaurants are around

95

00:04:33,659 --> 00:04:30,909

that place and we haven't heard about

96

00:04:36,480 --> 00:04:33,669

the Higgs for a little while anyway Ian

97

00:04:38,550 --> 00:04:36,490

will bring us more or less up to date

98

00:04:41,310 --> 00:04:38,560

stay tuned at the end of the episode for

99

00:04:44,790 --> 00:04:41,320

more announcements from me but now it's

100

00:04:48,270 --> 00:04:44,800

time for me to run downstairs and make

101

00:04:50,790 --> 00:04:48,280

sure my fluids are up I might have a

102

00:04:53,810 --> 00:04:50,800

little chocolate milkshake or something

103

00:04:57,540 --> 00:04:53,820

like that because earlier today I

104

00:05:00,830 --> 00:04:57,550

donated some blood probably an armful

105

00:05:03,750 --> 00:05:00,840

I'm not sure and that story about the

106

00:05:05,280 --> 00:05:03,760

blood donation which was a initiative by

107

00:05:08,220 --> 00:05:05,290

the Australian skeptics will be coming

108

00:05:11,880 --> 00:05:08,230

up I think next week but as I record

109

00:05:14,640 --> 00:05:11,890

this I'm just just recovering well it's

110

00:05:16,770 --> 00:05:14,650

not much really to recover from so I'm

111

00:05:17,970 --> 00:05:16,780

gonna run downstairs make sure my fluids

112

00:05:24,180 --> 00:05:17,980

are up maybe have a bit of chocolate

113

00:05:26,010 --> 00:05:24,190

cake and a biscuit a KitKat I should

114

00:05:27,540 --> 00:05:26,020

have some my candy some lollies too in a

115

00:05:30,270 --> 00:05:27,550

pancake

116

00:05:33,780 --> 00:05:30,280

yeah maybe a packet of chips and well I

117

00:05:35,720 --> 00:05:33,790

do all that quickly I hope you enjoy the

118

00:05:57,700 --> 00:05:35,730

sceptic zone

119

00:06:01,130 --> 00:05:57,710

[Music]

120

00:06:03,200 --> 00:06:01,140

and joining me now from beautiful Las

121

00:06:06,050 --> 00:06:03,210

Vegas Nevada it's none other than

122

00:06:09,410 --> 00:06:06,060

Celestia Ward from squaring the strange

123

00:06:11,510 --> 00:06:09,420

hello Celestia hi pleasure to talk to

124

00:06:13,610 --> 00:06:11,520

you yes we don't talk to each other

125

00:06:16,310 --> 00:06:13,620

often enough I thought I'd give you a

126

00:06:18,800 --> 00:06:16,320

call but contact you because I'm so

127

00:06:21,290 --> 00:06:18,810

impressed now by the way squaring the

128

00:06:24,850 --> 00:06:21,300

strange is going what episode are you up

129

00:06:29,810 --> 00:06:24,860

to now oh gosh I just finished editing

130

00:06:31,100 --> 00:06:29,820

73 I'm very pleased with the with all

131

00:06:32,900 --> 00:06:31,110

this stuff we've been able to put out

132

00:06:35,630 --> 00:06:32,910

and Ben and Pasquale have been fun to

133

00:06:37,760 --> 00:06:35,640

work with we do we do have a little

134

00:06:41,420 --> 00:06:37,770

change I can announce on your show if

135

00:06:44,300 --> 00:06:41,430

you'd like please do a scoop well

136

00:06:47,180 --> 00:06:44,310

unfortunately the the scoop is we are

137

00:06:49,880 --> 00:06:47,190

going to for the time being be moving to

138

00:06:52,310 --> 00:06:49,890

a biweekly schedule so that you'll get a

139

00:06:53,870 --> 00:06:52,320

new you'll get a new episode once every

140

00:06:55,940 --> 00:06:53,880

two weeks but that means we'll be able

141

00:06:58,970 --> 00:06:55,950

to spend a bit more time crafting each

142

00:07:01,610 --> 00:06:58,980

each topic and diving a little deeper

143

00:07:03,650 --> 00:07:01,620

into each subject it sounds very

144

00:07:08,420 --> 00:07:03,660

sensible to me one day the skeptic zone

145

00:07:12,190 --> 00:07:08,430

might do that oh gosh yes you're staying

146

00:07:15,320 --> 00:07:12,200

power amazes me it amazes me I could do

147

00:07:19,070 --> 00:07:15,330

weekly episodes for what are you on now

148

00:07:20,680 --> 00:07:19,080

500 and what oh by the time this in that

149

00:07:24,740 --> 00:07:20,690

little interview goes a light it will be

150

00:07:26,990 --> 00:07:24,750

516 episode 516 but I can tell you as

151
00:07:31,220 --> 00:07:27,000
we're recording this now right now you

152
00:07:34,850 --> 00:07:31,230
and I Dragon Con is in full swing in in

153
00:07:38,510 --> 00:07:34,860
Atlanta Georgia and it was Dragon Con 10

154
00:07:41,060 --> 00:07:38,520
years ago I recorded my first segment

155
00:07:45,520 --> 00:07:41,070
for the skeptic zone oh wow so that was

156
00:07:48,920 --> 00:07:45,530
the last time you had a life I think so

157
00:07:51,620 --> 00:07:48,930
okay I am actually very sad to not be a

158
00:07:52,790 --> 00:07:51,630
Dragon Con this year but one cannot do

159
00:07:56,930 --> 00:07:52,800
everything one wishes

160
00:07:58,700 --> 00:07:56,940
to do but I'm sure a dr. Angela matki

161
00:08:02,270 --> 00:07:58,710
and Derek Cohen do know are doing a

162
00:08:04,580 --> 00:08:02,280
great job on the skip down there hi guys

163
00:08:05,930 --> 00:08:04,590

no they certainly are in fact I was

164

00:08:06,860 --> 00:08:05,940

going to interview them today but I

165

00:08:09,950 --> 00:08:06,870

think they're having too much fun

166

00:08:11,809 --> 00:08:09,960

probably probably but let's get back to

167

00:08:14,029 --> 00:08:11,819

squaring the strange because again it's

168

00:08:15,800 --> 00:08:14,039

it's a pleasure to listen to I find it

169

00:08:17,719 --> 00:08:15,810

endlessly fascinating it must be great

170

00:08:21,379 --> 00:08:17,729

to work with people like Ben and

171

00:08:23,180 --> 00:08:21,389

Pasquale what what to you because your

172

00:08:24,649 --> 00:08:23,190

involvement over the past months is

173

00:08:26,749 --> 00:08:24,659

being greater and greater what have you

174

00:08:28,339 --> 00:08:26,759

learned what have you discovered well

175

00:08:30,320 --> 00:08:28,349

besides the fact that it takes a

176
00:08:32,600 --> 00:08:30,330
tremendous amount of work and hours to

177
00:08:35,449 --> 00:08:32,610
put together a podcast that comes out

178
00:08:38,240 --> 00:08:35,459
once a week just that you know

179
00:08:40,480 --> 00:08:38,250
conversations are fun I got I really got

180
00:08:43,219 --> 00:08:40,490
into listening to skeptical podcasts

181
00:08:45,380 --> 00:08:43,229
years ago and I found the ones that I

182
00:08:47,030 --> 00:08:45,390
gravitated towards were the ones that

183
00:08:48,410 --> 00:08:47,040
had a conversation going where you have

184
00:08:50,150 --> 00:08:48,420
you have people who really know what

185
00:08:52,310 --> 00:08:50,160
they're talking about and then perhaps

186
00:08:55,190 --> 00:08:52,320
one or two people who don't and they can

187
00:08:56,810 --> 00:08:55,200
talk about stuff and so even if it's a

188
00:08:59,269 --> 00:08:56,820

topic I don't know much about I can at

189

00:09:02,150 --> 00:08:59,279

least ask questions and then usually has

190

00:09:04,639 --> 00:09:02,160

a a treasure trove of research to back

191

00:09:07,550 --> 00:09:04,649

up what he brings so it's always it's

192

00:09:09,470 --> 00:09:07,560

fun to do the deep dives on topics that

193

00:09:11,449 --> 00:09:09,480

might not be covered by other skeptical

194

00:09:15,530 --> 00:09:11,459

podcasts that just stick to the daily

195

00:09:17,420 --> 00:09:15,540

news and tell me just the logistics of

196

00:09:19,540 --> 00:09:17,430

it I know sometimes you're in the studio

197

00:09:22,160 --> 00:09:19,550

you go to Albuquerque New Mexico and

198

00:09:24,260 --> 00:09:22,170

you're with Ben and Pasquale but

199

00:09:26,600 --> 00:09:24,270

sometimes you're you're really based in

200

00:09:28,610 --> 00:09:26,610

Las Vegas aren't you I am yeah I

201
00:09:31,190 --> 00:09:28,620
actually have not been there I've not

202
00:09:32,840 --> 00:09:31,200
been down there too many times but the

203
00:09:35,540 --> 00:09:32,850
times I have gone we've just been able

204
00:09:38,660 --> 00:09:35,550
to sit in the in the studio and record

205
00:09:40,850 --> 00:09:38,670
like you know four or five segments that

206
00:09:43,160 --> 00:09:40,860
we can use later on that's the that's

207
00:09:45,860 --> 00:09:43,170
the beauty of having some evergreen

208
00:09:47,420 --> 00:09:45,870
topics you know there's there's some

209
00:09:49,670 --> 00:09:47,430
things we can look into that that

210
00:09:51,860 --> 00:09:49,680
sometimes have us have a historical bent

211
00:09:55,009 --> 00:09:51,870
to them like we've covered we've covered

212
00:09:57,290 --> 00:09:55,019
Benjamin Franklin we've covered we've

213
00:09:59,090 --> 00:09:57,300

covered some old investigations that Ben

214

00:10:01,160 --> 00:09:59,100

has done and what he learned about them

215

00:10:03,519 --> 00:10:01,170

and and so it doesn't necessarily need

216

00:10:06,230 --> 00:10:03,529

to be a topic that is informed with

217

00:10:07,850 --> 00:10:06,240

up-to-the-minute data so

218

00:10:10,040 --> 00:10:07,860

we can kind of jump around and do topics

219

00:10:12,110 --> 00:10:10,050

that interest us that still teach a good

220

00:10:14,420 --> 00:10:12,120

skeptical lesson if you look at them and

221

00:10:16,400 --> 00:10:14,430

they're still gonna be interesting next

222

00:10:18,560 --> 00:10:16,410

year or two years from now it's a very

223

00:10:20,060 --> 00:10:18,570

good point so I'm glad you get the

224

00:10:22,790 --> 00:10:20,070

opportunity to go there and do that

225

00:10:25,430 --> 00:10:22,800

sometimes but most of the time I'm just

226

00:10:27,290 --> 00:10:25,440

very curious just from a technical point

227

00:10:28,519 --> 00:10:27,300

of view you sit there in Las Vegas and

228

00:10:30,949 --> 00:10:28,529

you hook up with the guys

229

00:10:32,329 --> 00:10:30,959

well yes much much like you and I are

230

00:10:35,090 --> 00:10:32,339

talking right now on two different

231

00:10:37,880 --> 00:10:35,100

continents the Internet is wonderful

232

00:10:40,670 --> 00:10:37,890

there's there's Skype and we did a few

233

00:10:42,590 --> 00:10:40,680

episodes via Skype and Pasquale is our

234

00:10:44,930 --> 00:10:42,600

audio genius having worked in the

235

00:10:47,480 --> 00:10:44,940

industry for many years so he found ways

236

00:10:50,180 --> 00:10:47,490

to patch everything together and lately

237

00:10:53,780 --> 00:10:50,190

we've been using a service called Zen

238

00:10:57,889 --> 00:10:53,790

caster which is which allows you write

239

00:10:59,540 --> 00:10:57,899

on from from an online hub to track in

240

00:11:00,860 --> 00:10:59,550

two or three different people and then

241

00:11:05,540 --> 00:11:00,870

even do a little bit of post production

242

00:11:07,610 --> 00:11:05,550

mixing online which allows me to to grab

243

00:11:10,760 --> 00:11:07,620

what I need afterwards fairly easily and

244

00:11:16,490 --> 00:11:10,770

turn it into a podcast you're learning a

245

00:11:18,769 --> 00:11:16,500

lot I am by by necessity yeah and of

246

00:11:22,329 --> 00:11:18,779

course with the happy news is that

247

00:11:28,190 --> 00:11:22,339

you're very soon to have a little

248

00:11:31,310 --> 00:11:28,200

podcaster aren't you another month or so

249

00:11:34,070 --> 00:11:31,320

in up to my ears and dirty diapers or

250

00:11:38,269 --> 00:11:34,080

nappies as you call them very good we do

251
00:11:40,460 --> 00:11:38,279
call them nappies ah well that's that's

252
00:11:42,560 --> 00:11:40,470
that's that's wonderful news and I'm

253
00:11:45,079 --> 00:11:42,570
sure podcasting will be furthest from

254
00:11:48,230 --> 00:11:45,089
your mind soon yes we're trying to get a

255
00:11:51,079 --> 00:11:48,240
fair amount of material in the can so to

256
00:11:53,840 --> 00:11:51,089
speak so that we won't have a tremendous

257
00:11:55,940 --> 00:11:53,850
interruption of service but but you know

258
00:11:58,000 --> 00:11:55,950
hopefully the guys will be able to pull

259
00:12:00,620 --> 00:11:58,010
the extra weight for a little while and

260
00:12:02,360 --> 00:12:00,630
as I said we are going bi-weekly that

261
00:12:04,400 --> 00:12:02,370
was one of the factors that led to our

262
00:12:07,910 --> 00:12:04,410
decision to go every two weeks because

263
00:12:11,260 --> 00:12:07,920

you know I'm I'm birthing a baby and Ben

264

00:12:14,000 --> 00:12:11,270

is birthing his next book and Pasquale

265

00:12:14,720 --> 00:12:14,010

pesco has begun a new job and that's the

266

00:12:17,120 --> 00:12:14,730

thing that that's the thing about

267

00:12:19,820 --> 00:12:17,130

podcasting is none of us are gonna make

268

00:12:21,440 --> 00:12:19,830

a million dollars on podcast

269

00:12:23,720 --> 00:12:21,450

now you have to kind of fit into our

270

00:12:26,480 --> 00:12:23,730

normal life schedule we certainly do

271

00:12:28,370 --> 00:12:26,490

and it's wonderful to hear you actually

272

00:12:30,500 --> 00:12:28,380

over the past months you have taken a

273

00:12:32,390 --> 00:12:30,510

more permanent role on the podcast where

274

00:12:35,300 --> 00:12:32,400

in the early days it was fun with Ben

275

00:12:37,670 --> 00:12:35,310

and Pasquale and then when you came on

276

00:12:39,620 --> 00:12:37,680

board as a regular I I think the show

277

00:12:41,930 --> 00:12:39,630

really lifted and I really mean that

278

00:12:44,390 --> 00:12:41,940

it's great to hear your voice oh well

279

00:12:46,510 --> 00:12:44,400

thank you yeah I have tried not to take

280

00:12:49,010 --> 00:12:46,520

over but like I said scheduling as

281

00:12:51,020 --> 00:12:49,020

especially with Pasquale having many

282

00:12:53,510 --> 00:12:51,030

more job duties and not being available

283

00:12:55,250 --> 00:12:53,520

for some of the recent episodes I've

284

00:12:57,680 --> 00:12:55,260

kind of had to step up and be a little

285

00:12:59,570 --> 00:12:57,690

bit more vocal and and it's always fun

286

00:13:02,120 --> 00:12:59,580

to argue with Ben I mean he's just a

287

00:13:06,500 --> 00:13:02,130

great guy to shoot the breeze with and

288

00:13:09,740 --> 00:13:06,510

make fun of occasionally yes yes we've

289

00:13:11,080 --> 00:13:09,750

all been there I think yes all right

290

00:13:13,820 --> 00:13:11,090

we'll look Celestia again

291

00:13:15,890 --> 00:13:13,830

congratulations on on the upcoming baby

292

00:13:17,360 --> 00:13:15,900

but really congratulations of course on

293

00:13:18,860 --> 00:13:17,370

all the wonderful work you do on

294

00:13:20,990 --> 00:13:18,870

squaring the strange it would not be the

295

00:13:23,090 --> 00:13:21,000

same without you and I'm so pleased that

296

00:13:26,480 --> 00:13:23,100

you're a part of it somebody has to keep

297

00:13:28,880 --> 00:13:26,490

those two in line well I'm delighted you

298

00:13:31,190 --> 00:13:28,890

enjoy listening Richard I really do

299

00:13:32,570 --> 00:13:31,200

folks if you want to hear squaring the

300

00:13:35,420 --> 00:13:32,580

strange right from the early days

301

00:13:37,130 --> 00:13:35,430

there'll be a link in this week's show

302

00:13:38,780 --> 00:13:37,140

notes or just Google squaring the

303

00:13:41,510 --> 00:13:38,790

strange and you can hear Pasquale Ben

304

00:13:43,070 --> 00:13:41,520

and Celestia but for now Celestia Ward

305

00:13:45,650 --> 00:13:43,080

all the way over there in Las Vegas

306

00:13:47,360 --> 00:13:45,660

thank you very much thank you Richard

307

00:13:50,090 --> 00:13:47,370

and I'll catch you later on squaring the

308

00:14:10,490 --> 00:14:07,060

[Music]

309

00:14:12,620 --> 00:14:10,500

hey fellow skeptics in Medford here with

310

00:14:14,990 --> 00:14:12,630

celestial Ward your friendly host of

311

00:14:17,240 --> 00:14:15,000

sparing the strange a podcast that looks

312

00:14:19,520 --> 00:14:17,250

at topics ranging from legends and

313

00:14:21,800 --> 00:14:19,530

cryptids and panics meaty myths

314

00:14:24,110 --> 00:14:21,810

psychology and folklore breaking things

315

00:14:25,850 --> 00:14:24,120

down and picking things apart as we

316

00:14:27,380 --> 00:14:25,860

skeptics do we bring different

317

00:14:29,960 --> 00:14:27,390

perspectives to the table

318

00:14:32,210 --> 00:14:29,970

Russia for example is a witty cartoonist

319

00:14:34,850 --> 00:14:32,220

and Ben is a brilliant writer and

320

00:14:37,100 --> 00:14:34,860

longtime skeptical investigator we don't

321

00:14:39,410 --> 00:14:37,110

always agree well we have fun trying and

322

00:14:42,170 --> 00:14:39,420

we learn new things join us for new

323

00:14:44,000 --> 00:14:42,180

topics every week or two or browse our

324

00:14:47,360 --> 00:14:44,010

backlog of evergreen episodes

325

00:14:49,580 --> 00:14:47,370

available on iTunes and all your podcast

326
00:14:54,750 --> 00:14:49,590
feeding troughs swearing the strange

327
00:15:12,000 --> 00:15:04,960
[Music]

328
00:15:12,010 --> 00:15:18,509
with dr. Paulie

329
00:15:24,809 --> 00:15:20,889
total numbers have been decreasing

330
00:15:28,809 --> 00:15:24,819
globally due to waste climate change and

331
00:15:31,300 --> 00:15:28,819
tourism unfortunately many people in

332
00:15:34,090 --> 00:15:31,310
Indonesia who are dependent on money

333
00:15:37,990 --> 00:15:34,100
made from tourism use turtle shells in

334
00:15:42,100 --> 00:15:38,000
jewelry and also sell turtle eggs as a

335
00:15:45,309 --> 00:15:42,110
delicacy recently I spoke with Hannah

336
00:15:47,740 --> 00:15:45,319
swab Padova from save turtle net in a

337
00:15:50,050 --> 00:15:47,750
small Prague cafe about what she's been

338
00:15:53,860 --> 00:15:50,060

doing with the in Tunisian people to

339

00:15:57,610 --> 00:15:53,870

help save Turtles okay so it's dr. Paula

340

00:15:59,619 --> 00:15:57,620

here and I'm with the founder of save

341

00:16:03,040 --> 00:15:59,629

turtle harness Wobegon

342

00:16:07,300 --> 00:16:03,050

and was sitting in a little cafe in in

343

00:16:09,850 --> 00:16:07,310

center of Prague so so Hanna tell us a

344

00:16:13,269 --> 00:16:09,860

little bit about save turtle and what it

345

00:16:15,939 --> 00:16:13,279

is that you do hmm I'm trying to help

346

00:16:20,410 --> 00:16:15,949

save circle already more than 13 years

347

00:16:23,650 --> 00:16:20,420

so it's really my like the thing what I

348

00:16:26,499 --> 00:16:23,660

wish to do and how I wish to help and it

349

00:16:29,170 --> 00:16:26,509

started just when I was a little kid and

350

00:16:31,319 --> 00:16:29,180

I was going to first class in elementary

351

00:16:35,980 --> 00:16:31,329

school I go to present from my parents

352

00:16:38,439 --> 00:16:35,990

small turtle Lanvin I to care about her

353

00:16:42,189 --> 00:16:38,449

and I was reading a lot about it and I

354

00:16:45,610 --> 00:16:42,199

saw that there was a lot of problems and

355

00:16:47,769 --> 00:16:45,620

that turtles are endangered when I was

356

00:16:50,980 --> 00:16:47,779

18 and I was in secondary school I went

357

00:16:52,929 --> 00:16:50,990

to Mexico as a volunteer and I saw that

358

00:16:56,499 --> 00:16:52,939

the conservation program there are not

359

00:16:58,540 --> 00:16:56,509

so good as I wish so I start to study

360

00:17:01,449 --> 00:16:58,550

University here in crack charles

361

00:17:06,520 --> 00:17:01,459

university and my better and also master

362

00:17:08,199 --> 00:17:06,530

thesis was about sea sea turtle so then

363

00:17:10,929 --> 00:17:08,209

I moved to Indonesia because Indonesia

364

00:17:13,569 --> 00:17:10,939

is the most important place for sea

365

00:17:17,770 --> 00:17:13,579

turtles you can find six from seven

366

00:17:19,630 --> 00:17:17,780

species here in Indonesia but this place

367

00:17:24,569 --> 00:17:19,640

is still very danger for them because

368

00:17:28,559 --> 00:17:24,579

people are watching them for four means

369

00:17:30,870 --> 00:17:28,569

4x and they also kill them for

370

00:17:33,629 --> 00:17:30,880

Rochelle and make a jewellery from it so

371

00:17:37,080 --> 00:17:33,639

it's for me it's really important to to

372

00:17:39,060 --> 00:17:37,090

help here in Indonesia okay cyan

373

00:17:43,169 --> 00:17:39,070

intonation is pretty close to home for

374

00:17:45,840 --> 00:17:43,179

us so I think that's really important

375

00:17:48,389 --> 00:17:45,850

for us to know what kind of damage I

376

00:17:51,600 --> 00:17:48,399

guess we're we're contributing to when

377

00:17:54,389 --> 00:17:51,610

when we go there is tourists so what is

378

00:17:56,340 --> 00:17:54,399

it what is it the same turtle actually

379

00:17:58,620 --> 00:17:56,350

does in Indonesia so I know that you go

380

00:18:01,129 --> 00:17:58,630

and volunteer there but there are other

381

00:18:04,259 --> 00:18:01,139

activities what is the advice to

382

00:18:07,759 --> 00:18:04,269

Indonesia as I said is really important

383

00:18:11,580 --> 00:18:07,769

place for sea turtles and on the east of

384

00:18:13,950 --> 00:18:11,590

Kalimantan here is the parable region

385

00:18:17,039 --> 00:18:13,960

and this region is the eighth most

386

00:18:19,289 --> 00:18:17,049

important place in in the earth for

387

00:18:22,919 --> 00:18:19,299

green turtles and there are also

388

00:18:25,860 --> 00:18:22,929

hospitals or the place and what we do is

389

00:18:28,139 --> 00:18:25,870

that we protect three islands where are

390

00:18:32,070 --> 00:18:28,149

nesting beaches and turtles are laying

391

00:18:35,129 --> 00:18:32,080

eggs here because since second world war

392

00:18:38,639 --> 00:18:35,139

the population of green filters decline

393

00:18:42,720 --> 00:18:38,649

in 91 percent here on the place which is

394

00:18:46,470 --> 00:18:42,730

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

395

00:18:48,509 --> 00:18:46,480

so because we see that still a lot of

396

00:18:51,299 --> 00:18:48,519

people in Indonesia they are trying to

397

00:18:54,360 --> 00:18:51,309

to take the eggs from the beach and they

398

00:18:57,529 --> 00:18:54,370

are selling it on the market openly and

399

00:19:01,950 --> 00:18:57,539

also on the restaurant for tourists so

400

00:19:04,590 --> 00:19:01,960

we are patrolling the beach and in

401

00:19:08,039 --> 00:19:04,600

protecting the nest in the safe place

402

00:19:10,379 --> 00:19:08,049

which is also very important if you are

403

00:19:12,869 --> 00:19:10,389

coming to Indonesia as a tourist or

404

00:19:15,169 --> 00:19:12,879

everywhere on the on the earth because

405

00:19:19,139 --> 00:19:15,179

it's everywhere in tropical countries

406

00:19:21,509 --> 00:19:19,149

yeah think twice before you eat turtle

407

00:19:23,840 --> 00:19:21,519

eggs and before you eat turtle meat

408

00:19:26,369 --> 00:19:23,850

because all these species they are

409

00:19:29,519 --> 00:19:26,379

protected and they are critically

410

00:19:32,879 --> 00:19:29,529

endangered so yeah I think we do need it

411

00:19:35,159 --> 00:19:32,889

and I guess what are what are the aims

412

00:19:37,740 --> 00:19:35,169

that you guys are trying to achieve in

413

00:19:39,509 --> 00:19:37,750

the long run with save turtle I mean

414

00:19:41,620 --> 00:19:39,519

obviously the king one is to get the

415

00:19:44,080 --> 00:19:41,630

turtle popular

416

00:19:48,130 --> 00:19:44,090

back up and and and to save the turtles

417

00:19:50,560 --> 00:19:48,140

for me early importance is education

418

00:19:53,650 --> 00:19:50,570

because I think that maybe one day we

419

00:19:56,290 --> 00:19:53,660

will not have the money for salary of

420

00:19:59,140 --> 00:19:56,300

Rangers there is two things what can

421

00:20:02,560 --> 00:19:59,150

happen the first one is that he and we

422

00:20:05,020 --> 00:20:02,570

stop sending the salary to Rangers then

423

00:20:07,990 --> 00:20:05,030

they will go out from the island and the

424

00:20:11,110 --> 00:20:08,000

island will be empty and the poachers

425

00:20:14,170 --> 00:20:11,120

will come and take all X and the sea

426

00:20:17,980 --> 00:20:14,180

turtle population will be declining very

427

00:20:20,140 --> 00:20:17,990

quickly but the second option is that we

428

00:20:25,990 --> 00:20:20,150

do education first and we work with

429

00:20:29,110 --> 00:20:26,000

local communities so before this happens

430

00:20:32,080 --> 00:20:29,120

then the people already know that the

431

00:20:35,080 --> 00:20:32,090

sea turtles are more important in in the

432

00:20:37,600 --> 00:20:35,090

sea then on the plate and they will not

433

00:20:39,910 --> 00:20:37,610

come to the island and they will respect

434

00:20:42,940 --> 00:20:39,920

the sea turtles as a part of the nature

435

00:20:46,090 --> 00:20:42,950

habitat and they will help them yeah all

436

00:20:48,520 --> 00:20:46,100

right fantastic and I guess some sauces

437

00:20:53,020 --> 00:20:48,530

we like to pop over to Indonesia all the

438

00:20:55,060 --> 00:20:53,030

time which you're all aware of and so

439

00:20:58,090 --> 00:20:55,070

I'm just wondering what some advice that

440

00:21:02,080 --> 00:20:58,100

you can give to us he's coming over to

441

00:21:05,080 --> 00:21:02,090

in Tunisia and holiday there are several

442

00:21:08,100 --> 00:21:05,090

things what is good thing about versus

443

00:21:11,830 --> 00:21:08,110

plastic because there is a lot of

444

00:21:15,910 --> 00:21:11,840

rubbish and plastic rubbish around in

445

00:21:18,520 --> 00:21:15,920

Indonesia so please take care about your

446

00:21:21,790 --> 00:21:18,530

rubbish don't put it to the to the ocean

447

00:21:23,860 --> 00:21:21,800

and if you are going to for shopping

448

00:21:26,950 --> 00:21:23,870

somewhere I'll take your bag with you

449

00:21:31,540 --> 00:21:26,960

and please try just slowly to explain

450

00:21:33,100 --> 00:21:31,550

people because they will for sure they

451
00:21:35,290 --> 00:21:33,110
don't think that you are crazy why you

452
00:21:37,150 --> 00:21:35,300
don't want to have this plastic bag

453
00:21:40,420 --> 00:21:37,160
which is quite nice and you have some

454
00:21:43,150 --> 00:21:40,430
cold with you so you need plastic bag

455
00:21:45,280 --> 00:21:43,160
try to explain that there is already

456
00:21:49,240 --> 00:21:45,290
enough plastic in the air and it's

457
00:21:52,300 --> 00:21:49,250
better to use it and second thing is

458
00:21:55,270 --> 00:21:52,310
there are two type of sea turtle

459
00:21:58,750 --> 00:21:55,280
conservation centers the one is wood

460
00:22:03,850 --> 00:21:58,760
which is like using the natural veil so

461
00:22:06,790 --> 00:22:03,860
here you can you can it's like our place

462
00:22:09,850 --> 00:22:06,800
you can become a volunteer and you can

463
00:22:14,170 --> 00:22:09,860

go with stranger to the nesting Beach

464

00:22:16,030 --> 00:22:14,180

you can use red headlamp which don't

465

00:22:19,590 --> 00:22:16,040

disturb Turtles and you can see how the

466

00:22:23,440 --> 00:22:19,600

turtles laying egg and you can also

467

00:22:26,950 --> 00:22:23,450

accompany as small hatchlings to go to

468

00:22:29,170 --> 00:22:26,960

the to the ocean and you can help to

469

00:22:33,430 --> 00:22:29,180

collect rubbish in the place but there

470

00:22:38,260 --> 00:22:33,440

is one more type of Sidra conservation

471

00:22:41,500 --> 00:22:38,270

centers and these centers have pores you

472

00:22:46,450 --> 00:22:41,510

will see the difference for first moment

473

00:22:51,490 --> 00:22:46,460

and this this is not really not really

474

00:22:54,970 --> 00:22:51,500

good because the idea is good they think

475

00:22:57,910 --> 00:22:54,980

that there is there is small hatchlings

476
00:23:00,940 --> 00:22:57,920
just newly hatch and they are so tiny so

477
00:23:03,640 --> 00:23:00,950
they are not ready to go to to the ocean

478
00:23:07,600 --> 00:23:03,650
because they will be difficult for them

479
00:23:10,360 --> 00:23:07,610
to survive so they think that it will be

480
00:23:13,690 --> 00:23:10,370
better if they put the turtles to the

481
00:23:17,140 --> 00:23:13,700
pool and they will give them some food

482
00:23:20,950 --> 00:23:17,150
and that these turtles will survive who

483
00:23:23,650 --> 00:23:20,960
will be good but the sea turtles from

484
00:23:26,350 --> 00:23:23,660
the name you can see that that they are

485
00:23:28,210 --> 00:23:26,360
from the sea not from the pool so better

486
00:23:31,270 --> 00:23:28,220
for them

487
00:23:34,440 --> 00:23:31,280
be naturally in the sea this the

488
00:23:37,960 --> 00:23:34,450

problems in this swimming pool is that

489

00:23:42,370 --> 00:23:37,970

they the turtles cannot swim here so the

490

00:23:45,880 --> 00:23:42,380

muscles are V and they cannot dive deep

491

00:23:48,100 --> 00:23:45,890

so DeLong and development booth and also

492

00:23:51,690 --> 00:23:48,110

the food is probably different from the

493

00:23:55,720 --> 00:23:51,700

natural van they cannot learn how to

494

00:24:00,060 --> 00:23:55,730

catch food and how to look for that and

495

00:24:03,430 --> 00:24:00,070

the biggest problem is instinct because

496

00:24:06,700 --> 00:24:03,440

hatchlings has the instinct where to go

497

00:24:09,640 --> 00:24:06,710

and how to come back as a dull turtle to

498

00:24:13,539 --> 00:24:09,650

to lay eggs only first two days after

499

00:24:16,000 --> 00:24:13,549

hatched and if they are on the pool for

500

00:24:18,610 --> 00:24:16,010

six months for one year they will lose

501
00:24:22,450 --> 00:24:18,620
this instinct and they will not be able

502
00:24:25,870 --> 00:24:22,460
to come back to the same Beach for

503
00:24:29,289 --> 00:24:25,880
nesting so they will be like lost and

504
00:24:33,909 --> 00:24:29,299
they cannot be part of the migration and

505
00:24:37,270 --> 00:24:33,919
far of the reproduction so see that our

506
00:24:38,710 --> 00:24:37,280
population can decline this totally

507
00:24:42,010 --> 00:24:38,720
defeats the purpose of what they're

508
00:24:44,649 --> 00:24:42,020
trying to do you know yeah but really

509
00:24:47,169 --> 00:24:44,659
many theories do not understand yeah I

510
00:24:50,470 --> 00:24:47,179
get around like several emails every

511
00:24:53,740 --> 00:24:50,480
week because to reach the the mere you

512
00:24:56,230 --> 00:24:53,750
are you are protecting Turtles beaver on

513
00:24:59,080 --> 00:24:56,240

our holiday and here we are sending you

514

00:25:01,419 --> 00:24:59,090

a picture that we also help tear across

515

00:25:03,760 --> 00:25:01,429

and there is this turtle from the pool

516

00:25:07,810 --> 00:25:03,770

and and they are just taking picture

517

00:25:10,740 --> 00:25:07,820

during a day is that so it's really a

518

00:25:13,659 --> 00:25:10,750

big job to explain all the time that

519

00:25:16,180 --> 00:25:13,669

this is not a good way of sitter

520

00:25:18,279 --> 00:25:16,190

conservation and it's really important

521

00:25:21,159 --> 00:25:18,289

where you go and which center you

522

00:25:23,890 --> 00:25:21,169

support by your entrance fee because

523

00:25:27,360 --> 00:25:23,900

they think that what they do is good so

524

00:25:30,400 --> 00:25:27,370

you can check out Hanna's save doodlenet

525

00:25:33,789 --> 00:25:30,410

website and find out more

526

00:25:35,950 --> 00:25:33,799

and also we can you can donate to the

527

00:25:38,529 --> 00:25:35,960

cause so they can help pay for the

528

00:25:40,690 --> 00:25:38,539

rangers and and their conservation work

529

00:25:44,560 --> 00:25:40,700

there and I thank you so much for taking

530

00:25:47,110 --> 00:25:44,570

the time to chat with me today and talk

531

00:25:48,640 --> 00:25:47,120

soon yeah thank you so I don't know

532

00:25:50,529 --> 00:25:48,650

about you but there are a couple of

533

00:25:52,630 --> 00:25:50,539

things that I learned from from Hanna

534

00:25:54,940 --> 00:25:52,640

and the big thing that I learned was

535

00:25:59,230 --> 00:25:54,950

that it's really important to work with

536

00:26:00,970 --> 00:25:59,240

people when trying to change behavior we

537

00:26:03,220 --> 00:26:00,980

can see that in Tunisia that people make

538

00:26:06,159 --> 00:26:03,230

a livelihood from selling turtle shells

539

00:26:09,520 --> 00:26:06,169

and turtle eggs and I think part of

540

00:26:12,279 --> 00:26:09,530

Hanna successes come from understanding

541

00:26:16,029 --> 00:26:12,289

this and also providing an alternative

542

00:26:17,980 --> 00:26:16,039

economic income for the people so that

543

00:26:20,529 --> 00:26:17,990

they're not dependent on these products

544

00:26:23,560 --> 00:26:20,539

anymore and that has been really quite

545

00:26:26,049 --> 00:26:23,570

successful I think we can do this in a

546

00:26:29,320 --> 00:26:26,059

number of different areas that we work

547

00:26:31,480 --> 00:26:29,330

in and are concerned with in skepticism

548

00:26:33,549 --> 00:26:31,490

and I think it's really important to

549

00:26:35,529 --> 00:26:33,559

remember that if people are dependent on

550

00:26:37,450 --> 00:26:35,539

something economically that they're

551
00:26:39,760 --> 00:26:37,460
unlikely to change their behavior

552
00:26:42,610 --> 00:26:39,770
overnight unless an alternative is

553
00:26:45,100 --> 00:26:42,620
provided so if you've got the time go to

554
00:26:47,320 --> 00:26:45,110
save total net have a look at what

555
00:26:49,149 --> 00:26:47,330
they're doing because I think they're

556
00:26:52,840 --> 00:26:49,159
doing really important work that's not

557
00:26:55,899 --> 00:26:52,850
only impacting Indonesia but hopefully

558
00:26:58,240 --> 00:26:55,909
will have an impact globally and if

559
00:26:59,740 --> 00:26:58,250
you've got a couple of spare box please

560
00:27:02,620 --> 00:26:59,750
donate to them because they're doing

561
00:27:04,779 --> 00:27:02,630
some really fantastic work all right

562
00:27:07,690 --> 00:27:04,789
thanks for listening to my read Spain

563
00:27:13,370 --> 00:27:07,700

dr. poorly and until next time stay

564

00:27:31,710 --> 00:27:22,920

[Music]

565

00:27:35,480 --> 00:27:31,720

like watch your guide to quackery health

566

00:27:38,220 --> 00:27:35,490

fraud operated by Stephan Barratt MD

567

00:27:40,019 --> 00:27:38,230

quack watch is now an international

568

00:27:42,840 --> 00:27:40,029

network of people who are concerned

569

00:27:46,350 --> 00:27:42,850

about health related frauds myths fads

570

00:27:49,080 --> 00:27:46,360

fallacies and misconduct its primary

571

00:27:51,330 --> 00:27:49,090

focus is on quackery related information

572

00:27:55,830 --> 00:27:51,340

that is difficult or impossible to get

573

00:27:59,279 --> 00:27:55,840

elsewhere articles include quackery how

574

00:28:00,570 --> 00:27:59,289

should it be defined how it sells 26

575

00:28:03,509 --> 00:28:00,580

ways to spot it

576
00:28:12,260 --> 00:28:03,519
Howard Homs cancer patients and much

577
00:28:27,610 --> 00:28:20,330
[Music]

578
00:28:35,860 --> 00:28:31,210
published at skeptics comdata you on the

579
00:28:37,750 --> 00:28:35,870
4th of September 2018 an open letter to

580
00:28:41,710 --> 00:28:37,760
the returned and services League of

581
00:28:44,330 --> 00:28:41,720
Australia let the dead rest in peace

582
00:28:47,430 --> 00:28:44,340
[Music]

583
00:28:50,040 --> 00:28:47,440
through its clubs the returned services

584
00:28:51,990 --> 00:28:50,050
League commemorates our servicemen and

585
00:28:56,310 --> 00:28:52,000
women including some who made the

586
00:28:58,710 --> 00:28:56,320
ultimate sacrifice we are concerned that

587
00:29:01,350 --> 00:28:58,720
those clubs are occasionally used for a

588
00:29:04,110 --> 00:29:01,360

form of entertainment that is

589

00:29:06,240 --> 00:29:04,120

disrespectful to the departed and to

590

00:29:09,120 --> 00:29:06,250

their relatives and friends for many

591

00:29:13,410 --> 00:29:09,130

years RSL clubs have hosted performances

592

00:29:15,810 --> 00:29:13,420

by so-called psychics or clairvoyance

593

00:29:18,270 --> 00:29:15,820

who purport to make contact with the

594

00:29:20,790 --> 00:29:18,280

spirit world and relay messages between

595

00:29:23,730 --> 00:29:20,800

audience members and deceased relatives

596

00:29:26,610 --> 00:29:23,740

or friends if these performances were

597

00:29:27,450 --> 00:29:26,620

described as quote for entertainment

598

00:29:29,669 --> 00:29:27,460

purposes only

599

00:29:32,210 --> 00:29:29,679

end quote then there would be less

600

00:29:35,820 --> 00:29:32,220

objection but they are described by

601
00:29:38,220 --> 00:29:35,830
psychics and as actual contact with the

602
00:29:40,320 --> 00:29:38,230
dead with all the intense and

603
00:29:43,290 --> 00:29:40,330
potentially distressing personal and

604
00:29:45,090 --> 00:29:43,300
emotional impact that that entails such

605
00:29:48,210 --> 00:29:45,100
performances have been thoroughly

606
00:29:50,970 --> 00:29:48,220
investigated by experts over long period

607
00:29:54,090 --> 00:29:50,980
these performers use the time-honored

608
00:29:57,090 --> 00:29:54,100
technique of quote cold reading end

609
00:29:59,640 --> 00:29:57,100
quote which is well known to specialists

610
00:30:01,710 --> 00:29:59,650
magicians known as mentalists the

611
00:30:03,540 --> 00:30:01,720
psychics are not communicating with

612
00:30:06,600 --> 00:30:03,550
spirits they are performing a trick

613
00:30:09,030 --> 00:30:06,610

though in a context we suggest is highly

614

00:30:11,580 --> 00:30:09,040

disrespectful people need to work

615

00:30:12,240 --> 00:30:11,590

through their grief when a loved one has

616

00:30:14,880 --> 00:30:12,250

passed away

617

00:30:16,320 --> 00:30:14,890

it cheapens the memory of any deceased

618

00:30:18,540 --> 00:30:16,330

person to use their name for

619

00:30:20,640 --> 00:30:18,550

entertainment it is completely out of

620

00:30:23,040 --> 00:30:20,650

order when the deceased person had

621

00:30:25,130 --> 00:30:23,050

served their country and when the

622

00:30:28,890 --> 00:30:25,140

performance occurs in a building

623

00:30:30,780 --> 00:30:28,900

dedicated to the memory of the Fallen we

624

00:30:33,270 --> 00:30:30,790

therefore call upon the RSL and its

625

00:30:36,360 --> 00:30:33,280

clubs to stop hosting this exploitative

626
00:30:39,270 --> 00:30:36,370
and disrespectful form of entertainment

627
00:30:42,390 --> 00:30:39,280
and this is signed Australian skeptics

628
00:30:45,650 --> 00:30:42,400
Inc Vic's skeptics Queensland skeptics

629
00:30:50,580 --> 00:30:45,660
Gold Coast skeptics Hobart skeptics and

630
00:30:54,930 --> 00:30:50,590
W a skeptics and as an aside I myself

631
00:30:56,810 --> 00:30:54,940
have long been going to RSL clubs for

632
00:30:58,970 --> 00:30:56,820
various reasons in fact

633
00:31:00,710 --> 00:30:58,980
the think tank segment which occurs

634
00:31:05,510 --> 00:31:00,720
occasionally on the sceptic zone is

635
00:31:08,600 --> 00:31:05,520
recorded at an RSL Club and I have many

636
00:31:11,659 --> 00:31:08,610
times gone to see performances of these

637
00:31:13,760 --> 00:31:11,669
so-called psychics for more information

638
00:31:16,700 --> 00:31:13,770

you can read this letter for yourself at

639

00:31:30,840 --> 00:31:16,710

skeptics comm dot au

640

00:31:34,690 --> 00:31:30,850

[Music]

641

00:31:36,400 --> 00:31:34,700

this is NASA her eyes she a flat earth

642

00:31:39,010 --> 00:31:36,410

but we should lie to everybody about it

643

00:31:41,919 --> 00:31:39,020

and say it's round 10 for maximum fun

644

00:31:45,310 --> 00:31:41,929

brings you the latest podcast an expose

645

00:31:47,260 --> 00:31:45,320

on the Flat Earth I want to take

646

00:31:49,030 --> 00:31:47,270

advantage of humankind and make them

647

00:31:50,500 --> 00:31:49,040

believe a lie so that they will trust us

648

00:31:52,390 --> 00:31:50,510

at the government it's all an elaborate

649

00:31:54,220 --> 00:31:52,400

lie and when you get on a plane they

650

00:31:56,650 --> 00:31:54,230

purposefully fly you farther than you

651
00:31:58,419 --> 00:31:56,660
need to go it's disgusting it needs to

652
00:32:00,010 --> 00:31:58,429
be stopped and if you listen to oh no

653
00:32:06,040 --> 00:32:00,020
Ross and Carrie we will tell you the

654
00:32:07,600 --> 00:32:06,050
truth behind the lies we will just tell

655
00:32:09,100 --> 00:32:07,610
you the truth behind the truth because

656
00:32:11,320 --> 00:32:09,110
what we do is we look at extraordinary

657
00:32:13,600 --> 00:32:11,330
claims that's right we've gone

658
00:32:15,400 --> 00:32:13,610
undercover with alternative medical

659
00:32:17,950 --> 00:32:15,410
treatments fringe religious groups

660
00:32:20,200 --> 00:32:17,960
fringe science claims a spiritual

661
00:32:21,940 --> 00:32:20,210
paranormal were there to check it out

662
00:32:24,190 --> 00:32:21,950
and let you know what happens is the

663
00:32:27,400 --> 00:32:24,200

Queen Mary haunted I don't know find out

664

00:32:29,230 --> 00:32:27,410

we show up we make friends we learn what

665

00:32:31,090 --> 00:32:29,240

happens when you ask questions and we

666

00:32:33,669 --> 00:32:31,100

tell you all about it and we get all

667

00:32:37,010 --> 00:32:33,679

that funky stuff done to us it's oh no

668

00:32:45,220 --> 00:32:37,020

Ross and Carrie and maximum fun dork

669

00:32:47,960 --> 00:32:45,230

[Music]

670

00:32:50,360 --> 00:32:47,970

hi well this is Kevin Davies and I am

671

00:32:52,220 --> 00:32:50,370

here at the Amy and I'm here with Major

672

00:32:56,000 --> 00:32:52,230

General Michael Ryan and Mick cook

673

00:32:58,220 --> 00:32:56,010

gentlemen how are you well me just me

674

00:33:01,070 --> 00:32:58,230

just me and me excellent

675

00:33:04,610 --> 00:33:01,080

so Nick we tell a little bit about

676
00:33:06,710 --> 00:33:04,620
yourself I'm straight Army officer and

677
00:33:09,080 --> 00:33:06,720
I'm a total nerd love science fiction

678
00:33:10,790 --> 00:33:09,090
and at the moment I'm commanding the

679
00:33:13,490 --> 00:33:10,800
Australian offense College and that

680
00:33:15,290 --> 00:33:13,500
really means I'm about the intellectual

681
00:33:16,510 --> 00:33:15,300
development of military people and

682
00:33:19,610 --> 00:33:16,520
preparing them for the future

683
00:33:21,950 --> 00:33:19,620
excellent and Mick you so I'm a non

684
00:33:24,050 --> 00:33:21,960
award-winning podcast host and a veteran

685
00:33:26,600 --> 00:33:24,060
of Afghanistan who also enjoys science

686
00:33:29,000 --> 00:33:26,610
fiction and debating modern conflict and

687
00:33:30,650 --> 00:33:29,010
what podcast is that I see did prescient

688
00:33:32,330 --> 00:33:30,660

podcast and also I co-host

689

00:33:34,220 --> 00:33:32,340

wolf read since season 2 is coming up

690

00:33:36,740 --> 00:33:34,230

soon so the reason why we're here is

691

00:33:39,800 --> 00:33:36,750

because both of you gentlemen recently

692

00:33:41,720 --> 00:33:39,810

wrote a chapter in the new book what is

693

00:33:43,700 --> 00:33:41,730

the book called so called strategy

694

00:33:46,700 --> 00:33:43,710

Strikes Back how Star Wars explains

695

00:33:48,350 --> 00:33:46,710

modern military conflict and so how did

696

00:33:50,390 --> 00:33:48,360

the two of you get involved in this

697

00:33:51,800 --> 00:33:50,400

project well I got involved because

698

00:33:54,940 --> 00:33:51,810

someone said an email do you wanna write

699

00:33:58,550 --> 00:33:54,950

a chapter so I said yes and I'm an easy

700

00:34:01,070 --> 00:33:58,560

ask for those kinds no I mean this was

701
00:34:02,510 --> 00:34:01,080
generated by a couple of people in the

702
00:34:05,780 --> 00:34:02,520
United States from the modern war

703
00:34:08,180 --> 00:34:05,790
Institute they're on the front here Matt

704
00:34:09,950 --> 00:34:08,190
Cavanaugh in particular and he pitched

705
00:34:11,480 --> 00:34:09,960
this idea and I went yeah I want to

706
00:34:14,750 --> 00:34:11,490
participate in writing about our

707
00:34:17,000 --> 00:34:14,760
profession and sparking interest amongst

708
00:34:18,680 --> 00:34:17,010
a wider range of people and using Star

709
00:34:21,050 --> 00:34:18,690
Wars as the framework was great because

710
00:34:23,810 --> 00:34:21,060
I'm a star wolves not know about you

711
00:34:26,050 --> 00:34:23,820
Mick similar sort story and email out of

712
00:34:28,399 --> 00:34:26,060
the blue saying do you want in and I

713
00:34:30,649 --> 00:34:28,409

write back we've got a chapter ready to

714

00:34:31,760 --> 00:34:30,659

go let's do it so very very simple sauce

715

00:34:35,889 --> 00:34:31,770

you already had one ready to go

716

00:34:38,180 --> 00:34:35,899

pretty much not according to Ed John

717

00:34:39,740 --> 00:34:38,190

apparently wasn't so ready he quite a

718

00:34:42,649 --> 00:34:39,750

few months worth work Michael it was

719

00:34:44,899 --> 00:34:42,659

really at the time why how does star was

720

00:34:47,030 --> 00:34:44,909

explained modern conflict well I think

721

00:34:48,889 --> 00:34:47,040

it explains quite a few things it's a

722

00:34:52,430 --> 00:34:48,899

framework for looking at the issues that

723

00:34:54,850 --> 00:34:52,440

we face as professionals everything from

724

00:34:57,490 --> 00:34:54,860

strategy and strategic thinking

725

00:35:00,340 --> 00:34:57,500

to ethical decision-making down to

726

00:35:02,950 --> 00:35:00,350

tactics and operations and here you have

727

00:35:06,100 --> 00:35:02,960

different parts of an organization the

728

00:35:08,590 --> 00:35:06,110

joint military forces or military and

729

00:35:10,270 --> 00:35:08,600

civilian parts or interagency is a great

730

00:35:11,830 --> 00:35:10,280

framework to look at how you can help

731

00:35:14,890 --> 00:35:11,840

them work together more collaboratively

732

00:35:16,960 --> 00:35:14,900

yeah I totally agree especially in terms

733

00:35:18,580 --> 00:35:16,970

of the useful word framework you can

734

00:35:20,980 --> 00:35:18,590

watch Star Wars and understand every

735

00:35:23,170 --> 00:35:20,990

conflict going on right now in the world

736

00:35:25,210 --> 00:35:23,180

but you can understand parts of certain

737

00:35:27,310 --> 00:35:25,220

conflicts by using Star Wars as a

738

00:35:29,860 --> 00:35:27,320

framework and a lens a good example is

739

00:35:31,570 --> 00:35:29,870

that you know Luke Skywalker was a rural

740

00:35:34,840 --> 00:35:31,580

farm boy who was radicalized and joined

741

00:35:36,490 --> 00:35:34,850

the insurgency force so very very strong

742

00:35:38,140 --> 00:35:36,500

parallels with some of the some of the

743

00:35:40,150 --> 00:35:38,150

conflict zones out there right now I

744

00:35:40,780 --> 00:35:40,160

never quite thought of it that way but I

745

00:35:42,760 --> 00:35:40,790

see your point

746

00:35:45,310 --> 00:35:42,770

does it tell us a little bit more about

747

00:35:47,320 --> 00:35:45,320

the book well it's designed to a general

748

00:35:50,110 --> 00:35:47,330

reader it can well be a military officer

749

00:35:51,250 --> 00:35:50,120

who's who's deeply read in military

750

00:35:53,710 --> 00:35:51,260

history and a range of contemporary

751
00:35:55,150 --> 00:35:53,720
issues and a king will be someone just

752
00:35:57,820 --> 00:35:55,160
walking down the street who has a

753
00:36:00,160 --> 00:35:57,830
passing interests it's designed to be a

754
00:36:02,170 --> 00:36:00,170
compendium of different issues in short

755
00:36:05,020 --> 00:36:02,180
articles that cover a range of different

756
00:36:07,240 --> 00:36:05,030
themes all through the framework of the

757
00:36:11,080 --> 00:36:07,250
Star Wars universe and what does your

758
00:36:13,180 --> 00:36:11,090
chapter focus on my fact focus is the

759
00:36:15,610 --> 00:36:13,190
Grand Army of the Republic and it's

760
00:36:17,380 --> 00:36:15,620
descent into the forces of the Empire

761
00:36:20,050 --> 00:36:17,390
but I look at the strategic issues

762
00:36:22,510 --> 00:36:20,060
around that about setting strategic

763
00:36:25,750 --> 00:36:22,520

objectives about the lethal sorry the

764

00:36:29,880 --> 00:36:25,760

legal and the ethical use of force in

765

00:36:32,410 --> 00:36:29,890

its failure to retail around you know

766

00:36:35,590 --> 00:36:32,420

democracies have military forces that

767

00:36:39,190 --> 00:36:35,600

need to work to the civil authority that

768

00:36:42,910 --> 00:36:39,200

need to work to ethical and legal

769

00:36:44,410 --> 00:36:42,920

political outcomes and that they should

770

00:36:46,990 --> 00:36:44,420

do so in a way that's effective

771

00:36:49,060 --> 00:36:47,000

efficient and ethical and what about you

772

00:36:51,960 --> 00:36:49,070

me what did you focus on so my chapters

773

00:36:55,210 --> 00:36:51,970

are not as creative as general Ryan's

774

00:36:57,970 --> 00:36:55,220

because I I come at it more from a and a

775

00:37:00,730 --> 00:36:57,980

standard essay approach and I explore

776

00:37:02,460 --> 00:37:00,740

Just War theory and particularly weapons

777

00:37:05,010 --> 00:37:02,470

of mass destruction collateral damage

778

00:37:07,109 --> 00:37:05,020

I focus on the Death Star's destruction

779

00:37:08,700 --> 00:37:07,119

of planet Alderaan because I mean I only

780

00:37:11,400 --> 00:37:08,710

have to watch 15 minutes of Star Wars to

781

00:37:13,440 --> 00:37:11,410

get on my research done but I used Just

782

00:37:15,870 --> 00:37:13,450

War Theory in the idea of distinction

783

00:37:17,310 --> 00:37:15,880

proportionality necessity to examine

784

00:37:19,589 --> 00:37:17,320

whether or not that was a just decision

785

00:37:21,450 --> 00:37:19,599

and then compare that to real-world

786

00:37:23,280 --> 00:37:21,460

examples of weapons of mass destruction

787

00:37:25,770 --> 00:37:23,290

namely the destruction of cities of

788

00:37:28,470 --> 00:37:25,780

Hiroshima and Nagasaki well certainly a

789

00:37:30,060 --> 00:37:28,480

lot to cover there how can we find the

790

00:37:31,770 --> 00:37:30,070

book and how can we reach you two

791

00:37:34,050 --> 00:37:31,780

gentlemen well you can find it on Amazon

792

00:37:36,030 --> 00:37:34,060

it's available through Amazon and

793

00:37:38,010 --> 00:37:36,040

there's also a podcast that interviews

794

00:37:39,510 --> 00:37:38,020

many of the authors and involved so you

795

00:37:42,359 --> 00:37:39,520

can read the book listen to the podcast

796

00:37:44,400 --> 00:37:42,369

follow it on Twitter and how can we

797

00:37:46,980 --> 00:37:44,410

reach you well you can reach both of us

798

00:37:48,240 --> 00:37:46,990

on Twitter because we're quite I'd like

799

00:37:49,620 --> 00:37:48,250

to say we're big in the Twittersphere I

800

00:37:52,440 --> 00:37:49,630

think we're just prolific rather than

801
00:37:54,839 --> 00:37:52,450
big babies life into them but you find

802
00:37:56,660 --> 00:37:54,849
Jenner on at war in the future and you

803
00:37:58,980 --> 00:37:56,670
can find myself at meek under school

804
00:38:00,610 --> 00:37:58,990
okay gentlemen thank you very much this

805
00:38:09,310 --> 00:38:00,620
has been really informative

806
00:38:12,170 --> 00:38:09,320
[Music]

807
00:38:14,930 --> 00:38:12,180
greetings listeners it's me captain

808
00:38:17,480 --> 00:38:14,940
disillusion on my youtube channel called

809
00:38:19,730 --> 00:38:17,490
captain disillusion aye captain

810
00:38:21,770 --> 00:38:19,740
disillusion analyzed viral videos of the

811
00:38:24,470 --> 00:38:21,780
strange and unbelievable I explained how

812
00:38:26,270 --> 00:38:24,480
interframe video compression 3d motion

813
00:38:28,310 --> 00:38:26,280

tracking and stock V effects elements

814

00:38:30,860 --> 00:38:28,320

proved that Justin Bieber is not a

815

00:38:32,870 --> 00:38:30,870

secret reptilian alien that those videos

816

00:38:34,880 --> 00:38:32,880

of ghost cars are just unintentional

817

00:38:36,560 --> 00:38:34,890

optical illusions and that lightning did

818

00:38:38,450 --> 00:38:36,570

not strike a few feet away from a girl

819

00:38:41,180 --> 00:38:38,460

on a beach as we saw in the news I'm

820

00:38:44,990 --> 00:38:41,190

real fun at parties my best friend is a

821

00:38:46,940 --> 00:38:45,000

lens flare disillusion I do know other

822

00:38:47,570 --> 00:38:46,950

people sometimes they even show up in my

823

00:38:49,940 --> 00:38:47,580

videos

824

00:38:52,340 --> 00:38:49,950

people like skepticisms grandpa James

825

00:38:52,790 --> 00:38:52,350

Randi serve de Soleil Acrobat Erica

826

00:38:54,950 --> 00:38:52,800

Lin's

827

00:38:57,110 --> 00:38:54,960

weight loss enthusiast Penn Jillette and

828

00:38:59,390 --> 00:38:57,120

the actual Beekman from Beakman's world

829

00:39:01,700 --> 00:38:59,400

I hope you'll check out my adventures

830

00:39:04,010 --> 00:39:01,710

interact with me in a platonic way and

831

00:39:06,500 --> 00:39:04,020

even consider becoming a patron of my

832

00:39:09,790 --> 00:39:06,510

work you can do all that and more on

833

00:39:17,900 --> 00:39:09,800

YouTube or at Captain disillusion calm

834

00:39:17,900 --> 00:39:17,910

[Music]

835

00:39:23,420 --> 00:39:20,390

and joining me now all the way from

836

00:39:27,590 --> 00:39:23,430

Monash University in Melbourne it's Lee

837

00:39:30,110 --> 00:39:27,600

Murray hello Lee hi I'm doing really

838

00:39:32,570 --> 00:39:30,120

well nice to catch up with you I'm so

839

00:39:34,250 --> 00:39:32,580

intrigued and I'm sure our listeners

840

00:39:37,250 --> 00:39:34,260

will be so intrigued about what you do

841

00:39:39,950 --> 00:39:37,260

now you'll be speaking at the skeptic on

842

00:39:41,900 --> 00:39:39,960

the convention here in Sydney next month

843

00:39:43,310 --> 00:39:41,910

we'll get to that soon but let's have a

844

00:39:44,960 --> 00:39:43,320

little chat about what you do and I

845

00:39:55,750 --> 00:39:44,970

suppose chat is the operative word

846

00:39:59,840 --> 00:39:57,770

certainly within general we're

847

00:40:02,660 --> 00:39:59,850

interested in the interface between

848

00:40:04,730 --> 00:40:02,670

language and society and that's a really

849

00:40:06,620 --> 00:40:04,740

really broad search and there are lots

850

00:40:10,430 --> 00:40:06,630

of different specialties within it so

851
00:40:11,930 --> 00:40:10,440
there are some of us who look at whether

852
00:40:13,940 --> 00:40:11,940
or not there might be some kind of

853
00:40:16,670 --> 00:40:13,950
change in language going on over time so

854
00:40:18,200 --> 00:40:16,680
if we look at people who are older and

855
00:40:20,180 --> 00:40:18,210
then we compare them to people who are

856
00:40:22,130 --> 00:40:20,190
younger we might get some kind of idea

857
00:40:25,960 --> 00:40:22,140
of whether language has changed over

858
00:40:28,820 --> 00:40:25,970
time or some of us might look at

859
00:40:30,680 --> 00:40:28,830
multilingualism what happens when people

860
00:40:34,130 --> 00:40:30,690
with different languages and different

861
00:40:36,230 --> 00:40:34,140
cultures coexist in the same place well

862
00:40:39,320 --> 00:40:36,240
what are what is thinking because

863
00:40:42,260 --> 00:40:39,330

Australia would be just the the ideal

864

00:40:44,120 --> 00:40:42,270

test tube for this wouldn't it yeah

865

00:40:46,070 --> 00:40:44,130

absolutely we are a massively

866

00:40:48,320 --> 00:40:46,080

multicultural and multilingual society

867

00:40:50,930 --> 00:40:48,330

particularly down here in Melbourne and

868

00:40:53,090 --> 00:40:50,940

and not to mention the years that have

869

00:40:56,030 --> 00:40:53,100

gone by and I mean if I think about my

870

00:40:58,840 --> 00:40:56,040

own experiences the phrases and the way

871

00:41:01,760 --> 00:40:58,850

people spoke when I was a little boy I

872

00:41:03,440 --> 00:41:01,770

don't know if the word dying out is

873

00:41:06,500 --> 00:41:03,450

appropriate there's certainly been it's

874

00:41:08,270 --> 00:41:06,510

been changing over the years yes and you

875

00:41:14,090 --> 00:41:08,280

will often find people complaining about

876

00:41:16,130 --> 00:41:14,100

that change and what we do know is that

877

00:41:17,510 --> 00:41:16,140

language has been changing ever since we

878

00:41:20,120 --> 00:41:17,520

started communicating with each other

879

00:41:23,030 --> 00:41:20,130

and probably for about that long people

880

00:41:25,820 --> 00:41:23,040

have been complaining about it oh well

881

00:41:29,180 --> 00:41:25,830

you can see this when people yell at the

882

00:41:31,280 --> 00:41:29,190

TV at the newsreaders for pronouncing

883

00:41:34,100 --> 00:41:31,290

things incorrectly or to their

884

00:41:37,100 --> 00:41:34,110

pronouncing things incorrectly yeah

885

00:41:39,740 --> 00:41:37,110

absolutely I mean we've got letters that

886

00:41:41,780 --> 00:41:39,750

people have written 100 200 years ago

887

00:41:45,200 --> 00:41:41,790

complaining about how the young people

888

00:41:49,670 --> 00:41:45,210

keep talking the wrong way seriously

889

00:41:52,220 --> 00:41:49,680

that's funny that's a yes for a while

890

00:41:54,920 --> 00:41:52,230

there was a huge thing with the youth

891

00:41:57,740 --> 00:41:54,930

thing you instead of Val and how that

892

00:41:59,270 --> 00:41:57,750

we're going to destroy English oh well

893

00:42:01,010 --> 00:41:59,280

that that's the reason we've discovered

894

00:42:05,210 --> 00:42:01,020

the reason why English has been going

895

00:42:07,400 --> 00:42:05,220

downhill all these years little things

896

00:42:09,070 --> 00:42:07,410

we do know is that younger people are

897

00:42:11,990 --> 00:42:09,080

the ones who are driving language change

898

00:42:15,170 --> 00:42:12,000

in general and it's usually young women

899

00:42:16,730 --> 00:42:15,180

actually really so it'll be yeah so

900

00:42:18,290 --> 00:42:16,740

there will be something that young women

901
00:42:20,000 --> 00:42:18,300
do with their language and everybody

902
00:42:21,710 --> 00:42:20,010
would pile on it and everybody will make

903
00:42:24,050 --> 00:42:21,720
fun of us and everybody will tell them

904
00:42:25,640 --> 00:42:24,060
it makes them sound stupid and then sure

905
00:42:28,310 --> 00:42:25,650
enough a few years later everybody's

906
00:42:31,130 --> 00:42:28,320
doing it have you looked into the the

907
00:42:34,160 --> 00:42:31,140
like phenomenon in other words some

908
00:42:37,100 --> 00:42:34,170
young people in my experience will drop

909
00:42:39,500 --> 00:42:37,110
the word like once or twice in a

910
00:42:41,390 --> 00:42:39,510
sentence every sentence where it's just

911
00:42:43,130 --> 00:42:41,400
astounding how many times they can fit

912
00:42:46,010 --> 00:42:43,140
the word like into their sentence

913
00:42:47,450 --> 00:42:46,020

structure yes and one of the reasons

914

00:42:49,640 --> 00:42:47,460

they do that so much is that there are

915

00:42:53,480 --> 00:42:49,650

actually multiple uses of the word like

916

00:42:56,060 --> 00:42:53,490

going on so sometimes we do it when

917

00:42:57,560 --> 00:42:56,070

there's a pause with so we're saying I'm

918

00:42:58,940 --> 00:42:57,570

not done talking yet just give me a

919

00:43:01,670 --> 00:42:58,950

second

920

00:43:03,110 --> 00:43:01,680

sometimes it's when we're about to quote

921

00:43:04,310 --> 00:43:03,120

someone or when we were about to mimic

922

00:43:06,290 --> 00:43:04,320

someone so you'll often hear the

923

00:43:09,140 --> 00:43:06,300

construction are and then he was like

924

00:43:12,380 --> 00:43:09,150

what are you doing and we call out a

925

00:43:15,260 --> 00:43:12,390

quote - yeah yeah and so that just means

926

00:43:16,520 --> 00:43:15,270

what you're introducing what someone has

927

00:43:18,110 --> 00:43:16,530

said you're about to report what

928

00:43:21,830 --> 00:43:18,120

somebody has said you're about to become

929

00:43:23,690 --> 00:43:21,840

even and that gets mixed up I think in

930

00:43:25,880 --> 00:43:23,700

people's minds with people using like

931

00:43:27,890 --> 00:43:25,890

other filler that's interesting because

932

00:43:31,790 --> 00:43:27,900

you're absolutely right and when people

933

00:43:35,360 --> 00:43:31,800

do use it in that fashion as the example

934

00:43:36,080 --> 00:43:35,370

you quoted and he was like and what are

935

00:43:39,140 --> 00:43:36,090

you doing here

936

00:43:40,580 --> 00:43:39,150

to my ear at least it sounds well it

937

00:43:42,620 --> 00:43:40,590

still sounds a bit strange but I don't

938

00:43:45,470 --> 00:43:42,630

have any problem understanding what

939

00:43:48,099 --> 00:43:45,480

they're trying to tell me yeah

940

00:43:51,230 --> 00:43:48,109

which is the functional language I guess

941

00:43:52,640 --> 00:43:51,240

yes so there's a lot of people

942

00:43:54,319 --> 00:43:52,650

complaining about how something's

943

00:43:56,780 --> 00:43:54,329

incorrect and how it makes communication

944

00:43:58,940 --> 00:43:56,790

unclear but in general the linguist

945

00:44:02,990 --> 00:43:58,950

position is did you hear I understand

946

00:44:05,780 --> 00:44:03,000

you if so then it was perfectly fine you

947

00:44:08,240 --> 00:44:05,790

make a very good point and and far be it

948

00:44:10,460 --> 00:44:08,250

from us to halt the evolution of

949

00:44:13,190 --> 00:44:10,470

language it just runs off all by itself

950

00:44:15,760 --> 00:44:13,200

and and all sorts of phrases and words

951
00:44:17,690 --> 00:44:15,770
and ways of saying things come come up

952
00:44:19,460 --> 00:44:17,700
exactly the things that we think are

953
00:44:22,880 --> 00:44:19,470
perfectly unremarkable now or once

954
00:44:25,640 --> 00:44:22,890
considered horrific and it reminds me of

955
00:44:27,920 --> 00:44:25,650
words like awful for example which had a

956
00:44:32,299 --> 00:44:27,930
different origin aliy full of ore and

957
00:44:34,849 --> 00:44:32,309
now it's terrible yes they do that they

958
00:44:36,980 --> 00:44:34,859
meaning shift over time meaning switch

959
00:44:38,450 --> 00:44:36,990
with each other over time they get more

960
00:44:38,990 --> 00:44:38,460
and more specific over time yeah

961
00:44:41,660 --> 00:44:39,000
absolutely

962
00:44:43,490 --> 00:44:41,670
what a fascinating area of research it

963
00:44:46,480 --> 00:44:43,500

truly it's deeply interesting and I

964

00:44:49,430 --> 00:44:46,490

think it it would interest anybody and

965

00:44:51,650 --> 00:44:49,440

the good news is as I alluded to at the

966

00:44:53,599 --> 00:44:51,660

top of the interview you'll be heading

967

00:44:55,220 --> 00:44:53,609

sydney way to speak at our national

968

00:44:57,710 --> 00:44:55,230

convention are these some of the sort of

969

00:45:00,500 --> 00:44:57,720

abroad subjects you'll be telling us

970

00:45:03,289 --> 00:45:00,510

about I'm gonna be a little bit more

971

00:45:05,120 --> 00:45:03,299

specific in my talk up there one of the

972

00:45:06,980 --> 00:45:05,130

areas that I'm particularly interested

973

00:45:09,500 --> 00:45:06,990

in because I specialize in Australian

974

00:45:11,120 --> 00:45:09,510

English and I'm interested in the kinds

975

00:45:14,299 --> 00:45:11,130

of decisions that we make about people

976

00:45:17,480 --> 00:45:14,309

based on how they talk really really

977

00:45:23,329 --> 00:45:17,490

where we at can't stop thinking of Henry

978

00:45:25,430 --> 00:45:23,339

Higgins can we yes one of the words that

979

00:45:29,030 --> 00:45:25,440

comes up a lot in my research is bogan

980

00:45:31,520 --> 00:45:29,040

well that's relatively new isn't it yeah

981

00:45:33,650 --> 00:45:31,530

well that's a good question with they'll

982

00:45:35,589 --> 00:45:33,660

try to figure out exactly what the word

983

00:45:38,569 --> 00:45:35,599

bogan means it's one of those words that

984

00:45:40,520 --> 00:45:38,579

Australians use all the time but often

985

00:45:41,870 --> 00:45:40,530

quite aren't quite aware of what they

986

00:45:45,109 --> 00:45:41,880

mean when they say it we don't really

987

00:45:46,700 --> 00:45:45,119

have a good definition yet it seems to

988

00:45:49,700 --> 00:45:46,710

have something to do with social class

989

00:45:51,799 --> 00:45:49,710

yeah primarily before anything else but

990

00:45:54,319 --> 00:45:51,809

what I'm going to be focusing on in my

991

00:45:56,420 --> 00:45:54,329

talk is looking at these kinds of

992

00:45:58,400 --> 00:45:56,430

decisions that people make and how

993

00:45:59,000 --> 00:45:58,410

perhaps they're not quite as rational as

994

00:46:05,090 --> 00:45:59,010

we like to

995

00:46:07,640 --> 00:46:05,100

oh you shocked me but I'm going to be

996

00:46:09,050 --> 00:46:07,650

showing some data from my own research

997

00:46:11,420 --> 00:46:09,060

where I've actually gone out and tried

998

00:46:13,070 --> 00:46:11,430

to learn these things about how people

999

00:46:15,500 --> 00:46:13,080

make these judgments and what the works

1000

00:46:17,060 --> 00:46:15,510

of things they decide wow that's that's

1001

00:46:18,680 --> 00:46:17,070

where did my appetite I'm sure that's

1002

00:46:22,490 --> 00:46:18,690

where did the appetite of that listeners

1003

00:46:24,260 --> 00:46:22,500

who are even now even now heading to the

1004

00:46:25,490 --> 00:46:24,270

convention websites to buy a ticket

1005

00:46:27,740 --> 00:46:25,500

after listening to this interesting

1006

00:46:28,310 --> 00:46:27,750

teaser about what you'll be speaking

1007

00:46:30,200 --> 00:46:28,320

about

1008

00:46:31,520 --> 00:46:30,210

leemarie I can't wait to meet you in

1009

00:46:34,010 --> 00:46:31,530

person and I'll certainly be in the

1010

00:46:36,230 --> 00:46:34,020

audience paying attention to your talk

1011

00:46:38,090 --> 00:46:36,240

because this is an area that has always

1012

00:46:39,710 --> 00:46:38,100

interest me and especially over the last

1013

00:46:41,810 --> 00:46:39,720

ten years of being a podcaster and

1014

00:46:43,760 --> 00:46:41,820

dealing a lot with languages it's a

1015

00:46:45,620 --> 00:46:43,770

particular interest so there's the clue

1016

00:46:48,140 --> 00:46:45,630

folks another reason to get your

1017

00:46:50,120 --> 00:46:48,150

convention tickets but for now leemarie

1018

00:46:52,090 --> 00:46:50,130

from Monash University thank you very

1019

00:47:01,670 --> 00:46:52,100

much thank you

1020

00:47:05,220 --> 00:47:01,680

[Music]

1021

00:47:07,160 --> 00:47:05,230

hi this is Heidi Robertson from the

1022

00:47:10,040 --> 00:47:07,170

Northern Rivers vaccination supporters

1023

00:47:12,600 --> 00:47:10,050

we are a group of concerned citizens

1024

00:47:15,240 --> 00:47:12,610

dedicated to promoting good science and

1025

00:47:18,360 --> 00:47:15,250

common sense in our region the far north

1026
00:47:19,920 --> 00:47:18,370
coast of New South Wales this area are

1027
00:47:23,250 --> 00:47:19,930
famous for its natural beauty and

1028
00:47:26,610 --> 00:47:23,260
relaxed lifestyle also has the lowest

1029
00:47:28,890 --> 00:47:26,620
rates of vaccination in Australia we are

1030
00:47:31,230 --> 00:47:28,900
out to change that by challenging the

1031
00:47:32,910 --> 00:47:31,240
myths and misinformation and by

1032
00:47:36,240 --> 00:47:32,920
providing good evidence-based

1033
00:47:38,070 --> 00:47:36,250
information to the community we'd love

1034
00:47:41,670 --> 00:47:38,080
for you no matter where you are in the

1035
00:47:49,290 --> 00:47:41,680
world to join our fight please visit our

1036
00:47:52,290 --> 00:47:49,300
webpage at wwlp.com folk we also have a

1037
00:47:55,230 --> 00:47:52,300
link there to our Facebook page tweet us

1038
00:47:57,720 --> 00:47:55,240

at in our FAQs supporters

1039

00:48:00,270 --> 00:47:57,730

that's va ex and check us out on

1040

00:48:03,460 --> 00:48:00,280

Wikipedia by searching for Northern

1041

00:48:17,279 --> 00:48:03,470

Rivers vaccination supporters thank you

1042

00:48:20,380 --> 00:48:17,289

[Music]

1043

00:48:23,589 --> 00:48:20,390

it's a Friday in Sydney and we are

1044

00:48:25,510 --> 00:48:23,599

actually seated on what would assisting

1045

00:48:28,900 --> 00:48:25,520

was sitting sitting on a wall offense

1046

00:48:31,359 --> 00:48:28,910

the samstone Bella straight outside Town

1047

00:48:34,240 --> 00:48:31,369

Hall yes it's in the Town Hall here we

1048

00:48:36,010 --> 00:48:34,250

are and we're in years past we could

1049

00:48:39,490 --> 00:48:36,020

watch the cars whiz by we're actually

1050

00:48:43,329 --> 00:48:39,500

watching the very [h__h] who construction

1051
00:48:44,710 --> 00:48:43,339
of the city's new light rail yes indeed

1052
00:48:46,779 --> 00:48:44,720
hopefully it'll be good when it's all

1053
00:48:49,870 --> 00:48:46,789
finished and operating in a couple of

1054
00:48:53,170 --> 00:48:49,880
years one year we don't know now even it

1055
00:48:55,599 --> 00:48:53,180
sits in rice the challenge coordinator

1056
00:48:57,579 --> 00:48:55,609
and a longtime investigator for strange

1057
00:48:59,349 --> 00:48:57,589
sceptics a longtime listeners to the

1058
00:49:01,089 --> 00:48:59,359
show certainly know Ian's voice over the

1059
00:49:06,190 --> 00:49:01,099
years we've discussed all sorts of

1060
00:49:08,260 --> 00:49:06,200
things from nuclear physics to the Higgs

1061
00:49:09,849 --> 00:49:08,270
boson lately and I was just asking you

1062
00:49:11,170 --> 00:49:09,859
before because we've just come from the

1063
00:49:12,880 --> 00:49:11,180

Australian Museum where you and I have

1064

00:49:15,309 --> 00:49:12,890

been performing our mystery

1065

00:49:17,470 --> 00:49:15,319

investigators show and I was just asking

1066

00:49:19,480 --> 00:49:17,480

you before what happened to the Higgs

1067

00:49:21,010 --> 00:49:19,490

boson II and I mean it was it was huge

1068

00:49:22,539 --> 00:49:21,020

news and then suddenly it sort of fell

1069

00:49:24,819 --> 00:49:22,549

off the front page a little bit uh-huh

1070

00:49:26,319 --> 00:49:24,829

well of course all all discoveries are

1071

00:49:28,120 --> 00:49:26,329

overtaken by something else yes they

1072

00:49:30,430 --> 00:49:28,130

discovered the Higgs boson in the Large

1073

00:49:34,390 --> 00:49:30,440

Hadron Collider in and which was

1074

00:49:36,190 --> 00:49:34,400

announced in 2012 and after that they

1075

00:49:38,289 --> 00:49:36,200

they closed down the Large Hadron

1076

00:49:40,480 --> 00:49:38,299

Collider to upgrade it so it'll have

1077

00:49:43,359 --> 00:49:40,490

double the power so they'll be able to

1078

00:49:46,900 --> 00:49:43,369

find more Higgs bosons and more

1079

00:49:48,849 --> 00:49:46,910

particles so that's operating again I

1080

00:49:50,769 --> 00:49:48,859

believe and we should hear about some

1081

00:49:52,630 --> 00:49:50,779

more particles soon some heavier

1082

00:49:54,819 --> 00:49:52,640

particles in the Higgs and more details

1083

00:49:58,539 --> 00:49:54,829

about the Higgs when you say they've

1084

00:50:01,750 --> 00:49:58,549

doubled the power how does that work

1085

00:50:03,220 --> 00:50:01,760

exactly if they accelerate they talk

1086

00:50:07,269 --> 00:50:03,230

about the energy of the particles

1087

00:50:10,029 --> 00:50:07,279

currently it can collide to protons with

1088

00:50:12,609 --> 00:50:10,039

an energy of 7 GeV

1089

00:50:15,010 --> 00:50:12,619

g-get electron volts and then upgrading

1090

00:50:18,220 --> 00:50:15,020

it so they'll have a total energy of 14

1091

00:50:21,339 --> 00:50:18,230

GeV which would be even more powerful I

1092

00:50:23,980 --> 00:50:21,349

suppose it's your dream astute would be

1093

00:50:28,420 --> 00:50:23,990

to visit this Collider oh I have done

1094

00:50:29,950 --> 00:50:28,430

I'm sorry I'm sorry I if I knew I forgot

1095

00:50:33,430 --> 00:50:29,960

that that's that's wonderful

1096

00:50:35,349 --> 00:50:33,440

its predecessor anyway an earlier device

1097

00:50:38,319 --> 00:50:35,359

in the same tunnel as it turned out in

1098

00:50:41,049 --> 00:50:38,329

the 1980s yes so there was something

1099

00:50:45,309 --> 00:50:41,059

there that long ago yes indeed it's been

1100

00:50:47,620 --> 00:50:45,319

around since maybe the 1950s and when

1101

00:50:49,000 --> 00:50:47,630

they read they repurposed parts of it

1102

00:50:51,789 --> 00:50:49,010

like when they upgrade it

1103

00:50:53,319 --> 00:50:51,799

they keep parts of the old one and they

1104

00:50:57,130 --> 00:50:53,329

keep they reused the tunnels as

1105

00:50:58,599 --> 00:50:57,140

tunneling is very expensive so they so

1106

00:51:00,370 --> 00:50:58,609

it's the second or third accelerator

1107

00:51:02,980 --> 00:51:00,380

which has been in that 27 kilometer

1108

00:51:05,769 --> 00:51:02,990

tunnel and just as we were speaking a

1109

00:51:07,930 --> 00:51:05,779

man on a skateboard skated up took our

1110

00:51:10,809 --> 00:51:07,940

photograph gave me the thumbs up and

1111

00:51:12,190 --> 00:51:10,819

he's just skated away it again oh we we

1112

00:51:12,880 --> 00:51:12,200

might appear on some of them skewer

1113

00:51:15,400 --> 00:51:12,890

Bloggie and

1114

00:51:18,400 --> 00:51:15,410

yes these little mysteries one can't be

1115

00:51:21,190 --> 00:51:18,410

sure maybe he's gone to a parallel

1116

00:51:22,450 --> 00:51:21,200

universe yes maybe he has you know it's

1117

00:51:24,610 --> 00:51:22,460

something else that's probably not known

1118

00:51:27,910 --> 00:51:24,620

the Large Hadron Collider what that

1119

00:51:31,270 --> 00:51:27,920

refers to is it collides hadrons which

1120

00:51:35,800 --> 00:51:31,280

is not only protons but atomic nuclei

1121

00:51:38,560 --> 00:51:35,810

bare nuclei for example lead nuclei it's

1122

00:51:41,410 --> 00:51:38,570

designed to collide to lead nuclei

1123

00:51:43,930 --> 00:51:41,420

together and a lit nucleus has many

1124

00:51:47,110 --> 00:51:43,940

protons and neutrons in it so when you

1125

00:51:48,940 --> 00:51:47,120

collide two of those they all get very

1126
00:51:51,450 --> 00:51:48,950
hot the energy goes into all of them

1127
00:51:54,510 --> 00:51:51,460
they bounce around off one another

1128
00:51:58,510 --> 00:51:54,520
representing what's sometimes called a

1129
00:52:00,100 --> 00:51:58,520
quark-gluon soup or quark gluon plasma

1130
00:52:02,650 --> 00:52:00,110
which represents the condition of the

1131
00:52:05,350 --> 00:52:02,660
universe something like 10 to the minus

1132
00:52:07,840 --> 00:52:05,360
32 seconds after after the Big Bang so

1133
00:52:09,760 --> 00:52:07,850
so there's more physics comes out of it

1134
00:52:12,370 --> 00:52:09,770
out of those different experiments and

1135
00:52:16,690 --> 00:52:12,380
you would be the sort of person in the

1136
00:52:19,210 --> 00:52:16,700
know the news of the Higgs boson was

1137
00:52:22,660 --> 00:52:19,220
what four years ago am i guessing five

1138
00:52:24,580 --> 00:52:22,670

years of 2012 20 2012 that long ago and

1139

00:52:26,650 --> 00:52:24,590

what if I read a song of a musical about

1140

00:52:29,620 --> 00:52:26,660

you certainly did you stood up yes that

1141

00:52:31,960 --> 00:52:29,630

night video that in fact folks are

1142

00:52:35,710 --> 00:52:31,970

linked in the show notes to IANS song

1143

00:52:38,500 --> 00:52:35,720

about the the Higgs boson I appeared to

1144

00:52:41,380 --> 00:52:38,510

the world in July 2012 and made

1145

00:52:42,940 --> 00:52:41,390

headlines in every newspaper that's the

1146

00:52:44,950 --> 00:52:42,950

one and you can hear the rest of it in

1147

00:52:48,010 --> 00:52:44,960

front of YouTube just look up ode to the

1148

00:52:50,050 --> 00:52:48,020

Higgs boson yes I'll check the links in

1149

00:52:51,640 --> 00:52:50,060

this week's show notes so since 2012

1150

00:52:53,470 --> 00:52:51,650

what is that brought us what you

1151
00:52:55,210 --> 00:52:53,480
understanding into the universe collided

1152
00:52:56,620 --> 00:52:55,220
as I said the lead nuclei to learn more

1153
00:52:58,480 --> 00:52:56,630
about the conditions in the early Big

1154
00:52:59,980 --> 00:52:58,490
Bang and now it's upgraded they're

1155
00:53:01,390 --> 00:52:59,990
searching for heavier particles I

1156
00:53:05,020 --> 00:53:01,400
understand it I haven't heard the latest

1157
00:53:06,430 --> 00:53:05,030
news but the Higgs is unlikely to be

1158
00:53:08,510 --> 00:53:06,440
there on its own it's gonna have some

1159
00:53:10,880 --> 00:53:08,520
brothers and sisters which

1160
00:53:14,480 --> 00:53:10,890
around at the same mess in the hundreds

1161
00:53:16,339 --> 00:53:14,490
of mega electron volts and what does

1162
00:53:18,170 --> 00:53:16,349
this mean in everyday life I mean is it

1163
00:53:19,910 --> 00:53:18,180

more interesting scientific discoveries

1164

00:53:22,220 --> 00:53:19,920

I guess we don't know because these

1165

00:53:23,540 --> 00:53:22,230

things tend to lead like a snowball

1166

00:53:25,790 --> 00:53:23,550

effect and you never know what's going

1167

00:53:27,920 --> 00:53:25,800

to come about well they've always got

1168

00:53:30,880 --> 00:53:27,930

some purpose it's not often you get to

1169

00:53:32,810 --> 00:53:30,890

do a scientific experiment with on spec

1170

00:53:35,720 --> 00:53:32,820

saying we don't know what it'll tell us

1171

00:53:38,990 --> 00:53:35,730

because if it costs a hundred trillion

1172

00:53:41,570 --> 00:53:39,000

dollars no one's gonna pay that on spec

1173

00:53:43,670 --> 00:53:41,580

yeah so one thing the the Higgs field

1174

00:53:46,250 --> 00:53:43,680

verifies that aspect of the standard

1175

00:53:47,870 --> 00:53:46,260

model of particle physics that the Higgs

1176

00:53:50,030 --> 00:53:47,880

particle verifies that there's a Higgs

1177

00:53:52,730 --> 00:53:50,040

field and Higgs field plays a role in

1178

00:53:54,320 --> 00:53:52,740

the early universe in fact that tonight

1179

00:53:58,220 --> 00:53:54,330

I'm speaking on Stephen Hawking's

1180

00:54:01,760 --> 00:53:58,230

physics and one of his some of his work

1181

00:54:04,820 --> 00:54:01,770

was to do with the inflation process in

1182

00:54:08,030 --> 00:54:04,830

the universe and it was driven by a

1183

00:54:09,589 --> 00:54:08,040

scalar field in theory which could be

1184

00:54:13,030 --> 00:54:09,599

the Higgs field or could be a variation

1185

00:54:15,470 --> 00:54:13,040

of it it would be something else so that

1186

00:54:17,089 --> 00:54:15,480

it's that field which created the

1187

00:54:19,120 --> 00:54:17,099

inflation period they believe where

1188

00:54:21,410 --> 00:54:19,130

everything was expanding so rapidly that

1189

00:54:24,170 --> 00:54:21,420

the whole thing lasted about 10 to the

1190

00:54:28,620 --> 00:54:24,180

minus 32 seconds anyway Stephen

1191

00:54:31,170 --> 00:54:28,630

Hawking's last paper was on

1192

00:54:34,440 --> 00:54:31,180

it's called a smooth exit from eternal

1193

00:54:36,240 --> 00:54:34,450

inflation and that's governed by a field

1194

00:54:39,390 --> 00:54:36,250

which could well be the Higgs field or

1195

00:54:41,580 --> 00:54:39,400

related so therefore the new experiments

1196

00:54:44,850 --> 00:54:41,590

in Large Hadron Collider could tell us

1197

00:54:47,130 --> 00:54:44,860

about whether that theory is true or not

1198

00:54:48,630 --> 00:54:47,140

and one of the things that I don't know

1199

00:54:50,340 --> 00:54:48,640

if it's happened yet but I'm sure it

1200

00:54:53,310 --> 00:54:50,350

will happen it happened with the word

1201
00:54:55,500 --> 00:54:53,320
quantum it seems that the half the woo

1202
00:54:58,230 --> 00:54:55,510
we come across these days they'll say

1203
00:55:00,060 --> 00:54:58,240
this is quantum or this works by quantum

1204
00:55:03,260 --> 00:55:00,070
energy or but this pill has quantum

1205
00:55:05,610 --> 00:55:03,270
entanglement inside but I haven't heard

1206
00:55:08,340 --> 00:55:05,620
been talking about this pill or this

1207
00:55:10,350 --> 00:55:08,350
device is Higgs I think they still have

1208
00:55:11,910 --> 00:55:10,360
to use the word quantum but as I

1209
00:55:14,910 --> 00:55:11,920
understand it and I don't understand

1210
00:55:17,820 --> 00:55:14,920
quantum that this is just using a word

1211
00:55:19,410 --> 00:55:17,830
out of science isn't it yes has a very

1212
00:55:21,630 --> 00:55:19,420
specific meaning in science and one

1213
00:55:23,250 --> 00:55:21,640

thing we laugh about it's the fact when

1214

00:55:25,140 --> 00:55:23,260

someone does this represents a quantum

1215

00:55:28,020 --> 00:55:25,150

leap in human rights what they mean is

1216

00:55:31,020 --> 00:55:28,030

are largely I see yeah a quantum leap is

1217

00:55:32,310 --> 00:55:31,030

a smallest possible you can get the

1218

00:55:34,620 --> 00:55:32,320

other word that they throw around is

1219

00:55:36,750 --> 00:55:34,630

holographic the holographic universe

1220

00:55:39,150 --> 00:55:36,760

that's a legitimate field of scientific

1221

00:55:41,970 --> 00:55:39,160

study but it's been hijacked by the woo

1222

00:55:44,730 --> 00:55:41,980

masters we talk about the holographic

1223

00:55:46,980 --> 00:55:44,740

universes as explaining human

1224

00:55:48,660 --> 00:55:46,990

consciousness and it's synergy with the

1225

00:55:50,460 --> 00:55:48,670

rest of the universe and it basically

1226

00:55:53,370 --> 00:55:50,470

says all things are interconnected and

1227

00:55:55,430 --> 00:55:53,380

interconnected yeah how will we get this

1228

00:55:58,110 --> 00:55:55,440

all the time and especially words like

1229

00:56:01,670 --> 00:55:58,120

vibrate hello what was that oh that's

1230

00:56:04,440 --> 00:56:01,680

bus is stuck over there two buses

1231

00:56:07,920 --> 00:56:04,450

vibration is a word frequently used in

1232

00:56:11,040 --> 00:56:07,930

these mind-body wallet festivals energy

1233

00:56:13,020 --> 00:56:11,050

is the the most misused word I think has

1234

00:56:14,240 --> 00:56:13,030

energy embedded in any energy of the

1235

00:56:17,480 --> 00:56:14,250

energy and oh yeah

1236

00:56:19,040 --> 00:56:17,490

I mean as a scientist a physicist an

1237

00:56:21,470 --> 00:56:19,050

engineer that must drive you crazy

1238

00:56:23,630 --> 00:56:21,480

yes I've many times asked people such as

1239

00:56:25,870 --> 00:56:23,640

at the bone the mind-body-spirit

1240

00:56:29,810 --> 00:56:25,880

festival that you you're selling this

1241

00:56:31,580 --> 00:56:29,820

device which has got energies in a well

1242

00:56:33,350 --> 00:56:31,590

energy is what your electricity meters

1243

00:56:36,100 --> 00:56:33,360

measures exactly but that's what it's

1244

00:56:39,280 --> 00:56:36,110

for it's a measure electrical energy and

1245

00:56:41,660 --> 00:56:39,290

they don't know what I'm talking about

1246

00:56:44,270 --> 00:56:41,670

is understanding the word energy which

1247

00:56:45,050 --> 00:56:44,280

is just fictitious made-up but it makes

1248

00:56:47,150 --> 00:56:45,060

sense to them

1249

00:56:49,220 --> 00:56:47,160

that's right vibration and frequencies

1250

00:56:51,650 --> 00:56:49,230

remember the wine card you get skeptics

1251
00:56:54,710 --> 00:56:51,660
in the pub test of this the wine card

1252
00:56:57,980 --> 00:56:54,720
which had hidden frequency vibrations

1253
00:57:01,400 --> 00:56:57,990
and you drink enough wine then you sing

1254
00:57:03,110 --> 00:57:01,410
also the vibrations as frequency yes you

1255
00:57:05,450 --> 00:57:03,120
know integrated ketchup with you thanks

1256
00:57:07,220 --> 00:57:05,460
for being in the mystery investigators

1257
00:57:09,560 --> 00:57:07,230
show today at the Australian Museum that

1258
00:57:11,090 --> 00:57:09,570
was a lot of fun as ever and as your

1259
00:57:15,050 --> 00:57:11,100
Richard and we look forward to more

1260
00:57:17,810 --> 00:57:15,060
interesting news on the Higgs boson feel

1261
00:57:20,590 --> 00:57:17,820
accelerator slammer put another song to

1262
00:57:38,130 --> 00:57:20,600
that that was sexy

1263
00:57:43,600 --> 00:57:40,840

thank you for listening to the skeptic

1264

00:57:46,120 --> 00:57:43,610

zone now a message really aimed at those

1265

00:57:50,590 --> 00:57:46,130

folks listening to us in the United

1266

00:57:52,930 --> 00:57:50,600

States of America at the moment the

1267

00:57:57,000 --> 00:57:52,940

Australian dollar is going down the

1268

00:58:01,000 --> 00:57:57,010

gurgler I think at the moment it's about

1269

00:58:03,820 --> 00:58:01,010

71 cents compared to the US dollar not

1270

00:58:06,370 --> 00:58:03,830

good if if you're an Australian buying

1271

00:58:07,900 --> 00:58:06,380

things from the United States great if

1272

00:58:09,610 --> 00:58:07,910

you're an American coming here for a

1273

00:58:12,250 --> 00:58:09,620

holiday you know a dollar goes a lot

1274

00:58:14,500 --> 00:58:12,260

further and as far as the skeptic zone

1275

00:58:16,810 --> 00:58:14,510

is concerned it means that those people

1276

00:58:20,620 --> 00:58:16,820

who contribute from the United States

1277

00:58:25,630 --> 00:58:20,630

using US dollars your contribution goes

1278

00:58:29,710 --> 00:58:25,640

further hey Siri what's ten u.s. dollars

1279

00:58:34,060 --> 00:58:29,720

in Australian dollars ten u.s. dollars

1280

00:58:36,880 --> 00:58:34,070

is \$14 seven seven cents so there you go

1281

00:58:39,790 --> 00:58:36,890

if you contribute \$10 u.s. it turns into

1282

00:58:42,760 --> 00:58:39,800

14 dollars and seven cents here in

1283

00:58:44,470 --> 00:58:42,770

Australia if you'd like to chip in at

1284

00:58:46,630 --> 00:58:44,480

the moment those people listening in the

1285

00:58:49,060 --> 00:58:46,640

United States we get a bigger bang for

1286

00:58:50,650 --> 00:58:49,070

your buck now don't forget on the tour

1287

00:58:53,500 --> 00:58:50,660

of October here in Sydney of the

1288

00:58:55,960 --> 00:58:53,510

Occidental hotel that's a Friday evening

1289

00:58:58,600 --> 00:58:55,970

we have a huge welcome event for our

1290

00:59:00,790 --> 00:58:58,610

guests coming to the Australian skeptics

1291

00:59:02,800 --> 00:59:00,800

convention skeptic on this is open to

1292

00:59:06,400 --> 00:59:02,810

everybody of course we're gonna have

1293

00:59:08,530 --> 00:59:06,410

lots of fun and a big trivia night to to

1294

00:59:11,470 --> 00:59:08,540

look forward to with some prizes to give

1295

00:59:14,320 --> 00:59:11,480

way if you love trivia all we ask is you

1296

00:59:16,930 --> 00:59:14,330

just register so we know the numbers

1297

00:59:18,550 --> 00:59:16,940

it's a free night and you can do that by

1298

00:59:21,460 --> 00:59:18,560

following the links on this week's show

1299

00:59:23,410 --> 00:59:21,470

notes or visiting skeptics comdata you

1300

00:59:25,930 --> 00:59:23,420

and following the links there of course

1301
00:59:28,090 --> 00:59:25,940
while you're on that page registering

1302
00:59:31,720 --> 00:59:28,100
for the trivia night you can buy your

1303
00:59:32,950 --> 00:59:31,730
tickets for the skeptic on coming up on

1304
00:59:37,210 --> 00:59:32,960
next week's show we're going to be

1305
00:59:39,760 --> 00:59:37,220
looking into foot detox machines detox

1306
00:59:41,890 --> 00:59:39,770
your foot well the claim is that detox

1307
00:59:43,810 --> 00:59:41,900
is your whole body through your feet

1308
00:59:46,840 --> 00:59:43,820
some highlights from the last skeptics

1309
00:59:49,060 --> 00:59:46,850
in the pub with Maynard the story about

1310
00:59:50,050 --> 00:59:49,070
the blood donation I was discussing at

1311
00:59:52,510 --> 00:59:50,060
the top of the show

1312
00:59:54,970 --> 00:59:52,520
and we catch up with Claire Klingenberg

1313
00:59:57,460 --> 00:59:54,980

from the Czech Republic who was recently

1314

01:00:01,420 --> 00:59:57,470

in Scotland and Germany where she helped

1315

01:00:02,170 --> 01:00:01,430

test some paranormal powers that should

1316

01:00:04,300 --> 01:00:02,180

be interesting

1317

01:00:11,110 --> 01:00:04,310

so until then mrs. Richard Saunders

1318

01:00:12,910 --> 01:00:11,120

signing off from Sydney Australia you've

1319

01:00:15,540 --> 01:00:12,920

been listening to the skeptic zone

1320

01:00:22,210 --> 01:00:15,550

podcast please visit our website at

1321

01:00:25,710 --> 01:00:22,220

wwlp.com tax and to access the bat

1322

01:00:28,390 --> 01:00:25,720

catalog of episodes going back to 2008

1323

01:00:31,690 --> 01:00:28,400

you can follow the skeptic zone podcast

1324

01:00:33,970 --> 01:00:31,700

on twitter at skeptic zone visit our

1325

01:00:37,330 --> 01:00:33,980

facebook page or leave a review on

1326

01:00:40,690 --> 01:00:37,340

itunes you can also support the skeptic

1327

01:00:43,060 --> 01:00:40,700

zone via patreon or PayPal the skeptic

1328

01:00:44,830 --> 01:00:43,070

zone podcast is an independent

1329

01:00:47,200 --> 01:00:44,840

production the views and opinions

1330

01:00:49,360 --> 01:00:47,210

expressed on the skeptic zone are not

1331

01:00:52,290 --> 01:00:49,370

necessarily those of Australian skeptics

1332

01:01:02,840 --> 01:00:52,300

or any other skeptical organisation

1333

01:01:08,880 --> 01:01:05,490

I've come downstairs and it's not time

1334

01:01:11,940 --> 01:01:08,890

for me to have some something to eat