

1
00:00:00,000 --> 00:00:09,109
[Music]

2
00:00:05,990 --> 00:00:13,919
welcome to the skeptic zone the podcast

3
00:00:09,109 --> 00:00:16,850
from Australia for science and reason

4
00:00:13,919 --> 00:00:22,079
[Applause]

5
00:00:16,850 --> 00:00:25,480
[Music]

6
00:00:22,079 --> 00:00:31,140
yes it's the skeptic zone episode number

7
00:00:25,480 --> 00:00:34,659
four four seven 447 for the 14th of May

8
00:00:31,140 --> 00:00:37,390
2017 Richardson is here from Sydney

9
00:00:34,659 --> 00:00:40,479
Australia happy Mother's Day to all the

10
00:00:37,390 --> 00:00:42,429
mothers listening today and happy

11
00:00:40,479 --> 00:00:44,079
birthday for yesterday for one of our

12
00:00:42,429 --> 00:00:47,200
wonderful report is Heidi Robertson the

13
00:00:44,079 --> 00:00:49,149
Ross skeptic and she's going to be

14
00:00:47,200 --> 00:00:53,109
kicking off this week's episode of the

15
00:00:49,149 --> 00:00:56,890
skeptical zone a very telling report from

16
00:00:53,109 --> 00:01:00,189
Heidi and she makes a very very good

17
00:00:56,890 --> 00:01:01,810
point about those people who say well we

18
00:01:00,189 --> 00:01:04,689
don't vaccinate our kids and they're

19
00:01:01,810 --> 00:01:07,600
doing really well a very telling report

20
00:01:04,689 --> 00:01:10,750
indeed for the raw skeptic this week to

21
00:01:07,599 --> 00:01:13,118
kick off the skeptical zone after Heidi

22
00:01:10,750 --> 00:01:15,728
and her raw skeptic report brouhaha

23
00:01:13,118 --> 00:01:18,549
sites from Australia science dot TV a

24
00:01:15,728 --> 00:01:21,269
bit of an unusual one this week Ben

25
00:01:18,549 --> 00:01:25,030
Lewis is going to be looking at leaking

26
00:01:21,269 --> 00:01:27,640
scientific emails leaking scientific

27
00:01:25,030 --> 00:01:29,799
emails it's a bit odd stay tuned for

28
00:01:27,640 --> 00:01:31,989
that one then following that it's an

29

00:01:29,799 --> 00:01:33,370
interview with Clare Klingenberg all the

30
00:01:31,989 --> 00:01:37,209
way from the Czech Republic

31
00:01:33,370 --> 00:01:38,618
Clare's going to be updating us updating

32
00:01:37,209 --> 00:01:42,789
us on the news about the upcoming

33
00:01:38,618 --> 00:01:44,739
European skeptics Congress in Poland

34
00:01:42,790 --> 00:01:45,280
beautiful Poland a bit later on this

35
00:01:44,739 --> 00:01:47,559
year

36
00:01:45,280 --> 00:01:49,719
find out who some of the speakers are

37
00:01:47,560 --> 00:01:52,090
and where it's going to be held with the

38
00:01:49,719 --> 00:01:54,908
Clare Klingenberg all the way on the

39
00:01:52,090 --> 00:01:56,469
line from the Czech Republic then to

40
00:01:54,909 --> 00:01:59,080
round off the show it's a bit of a blast

41
00:01:56,469 --> 00:02:01,810
from the not-too-distant past with dr.

42
00:01:59,079 --> 00:02:06,819
Ratey dr. Reggie reports now way back

43
00:02:01,810 --> 00:02:10,140

not too long ago in 2010 a dr. Aichi and

44

00:02:06,819 --> 00:02:12,969

former reporter dr. Chrissy appeared on

45

00:02:10,139 --> 00:02:16,539

Sydney radio live in the studio on the

46

00:02:12,969 --> 00:02:18,969

Glen wheeler nighttime show and dr.

47

00:02:16,539 --> 00:02:21,159

Chris Ian dr. reaches the power balance

48

00:02:18,969 --> 00:02:24,549

band of the time which is big news and

49

00:02:21,159 --> 00:02:29,020

applied kinesiology raining fish mind

50

00:02:24,549 --> 00:02:31,209

body wallet festivals and UFOs now it's

51

00:02:29,020 --> 00:02:34,719

worth pointing out that that our host

52

00:02:31,209 --> 00:02:37,300

and I appeared on Glenn wheeler show to

53

00:02:34,719 --> 00:02:39,580

from time to time some years back

54

00:02:37,300 --> 00:02:42,130

unfortunately Glen Wheeler had an

55

00:02:39,580 --> 00:02:46,590

accident on his I think was a moped or a

56

00:02:42,129 --> 00:02:49,449

little motorbike where a woman who was a

57

00:02:46,590 --> 00:02:52,030

little bit out of it on drugs sadly at

58
00:02:49,449 --> 00:02:55,649
the time crash into Glen Glen has had a

59
00:02:52,030 --> 00:02:58,960
very long recovery from his injuries and

60
00:02:55,650 --> 00:03:01,240
we see him appearing on TV from time to

61
00:02:58,960 --> 00:03:03,099
time but what a great time we had with

62
00:03:01,240 --> 00:03:06,550
Glen and what a great bloke he still is

63
00:03:03,099 --> 00:03:09,609
Glen used to do wonderful spoof cold

64
00:03:06,550 --> 00:03:11,020
readings on his show and Australians

65
00:03:09,610 --> 00:03:14,380
will certainly know who I'm talking

66
00:03:11,020 --> 00:03:16,510
about making a very strong recovery but

67
00:03:14,379 --> 00:03:20,560
it's certainly a long road for Glen

68
00:03:16,509 --> 00:03:23,439
Wheeler but hear him hear him from 2010

69
00:03:20,560 --> 00:03:25,810
with dr. Aichi and dr. Chrissy to round

70
00:03:23,439 --> 00:03:28,959
off the show now in the last couple of

71
00:03:25,810 --> 00:03:31,500
days this thing has invaded the skeptic

72
00:03:28,959 --> 00:03:31,500
Zone office

73
00:03:38,379 --> 00:03:45,789
no it's not some sort of weird alien

74
00:03:40,659 --> 00:03:47,620
moth or some people know might recognize

75
00:03:45,789 --> 00:03:50,799
that sound straightaway yes it's a

76
00:03:47,620 --> 00:03:52,930
fidget spinner mm-hmm years yes yes

77
00:03:50,800 --> 00:03:55,900
and as Maynard said after being

78
00:03:52,930 --> 00:03:57,819
photographed with one the fad is over if

79
00:03:55,900 --> 00:04:01,180
he's holding one the fad must be all

80
00:03:57,819 --> 00:04:03,669
over I don't know what to say about

81
00:04:01,180 --> 00:04:06,430
fidget spinners they are strangely

82
00:04:03,669 --> 00:04:08,799
addictive it's good fun they're okay

83
00:04:06,430 --> 00:04:10,689
but we're just waiting for more Wu to

84
00:04:08,800 --> 00:04:13,300
come out we sort of figure someone's

85
00:04:10,689 --> 00:04:15,189
going to invent a new pseudoscience put

86

00:04:13,300 --> 00:04:17,009
the fidget spinner under your glass give

87
00:04:15,189 --> 00:04:20,379
it a spin like an ago

88
00:04:17,009 --> 00:04:24,579
up it goes and it will energize your

89
00:04:20,379 --> 00:04:28,269
water with try make up your own

90
00:04:24,579 --> 00:04:31,329
pseudoscience here and we've certainly

91
00:04:28,269 --> 00:04:34,750
seen examples of a lot less impressive

92
00:04:31,329 --> 00:04:36,759
things apparently giving their magical

93
00:04:34,750 --> 00:04:39,699
energies to water another substance and

94
00:04:36,759 --> 00:04:42,909
so why not a fidget spinner how do you

95
00:04:39,699 --> 00:04:45,069
put it away stay over there even the

96
00:04:42,910 --> 00:04:47,020
cats like it Henrietta and more the

97
00:04:45,069 --> 00:04:48,310
skeptic zone cats if I put a fidget spin

98
00:04:47,019 --> 00:04:50,919
it out on the table it won't be long

99
00:04:48,310 --> 00:04:53,199
before I come over and try to to stop it

100
00:04:50,920 --> 00:04:55,900

and then they'll started again good

101

00:04:53,199 --> 00:04:57,670

grief what next now on last week's

102

00:04:55,899 --> 00:04:59,409

episode of the skeptic zone I mentioned

103

00:04:57,670 --> 00:05:02,230

all sorts of skeptical conventions

104

00:04:59,410 --> 00:05:06,580

coming up and the one that I didn't

105

00:05:02,230 --> 00:05:09,700

mention was skeptic on the Australian

106

00:05:06,579 --> 00:05:13,089

skeptics National Convention in fact

107

00:05:09,699 --> 00:05:15,430

this will be the 33rd National

108

00:05:13,089 --> 00:05:17,889

Convention for Australian skeptics and

109

00:05:15,430 --> 00:05:21,509

it's presented by think Inc and the

110

00:05:17,889 --> 00:05:25,240

Australian skeptics and ideas festival

111

00:05:21,509 --> 00:05:27,939

Saturday the 18th and Sunday the 19th of

112

00:05:25,240 --> 00:05:30,100

November at the city recital hall in

113

00:05:27,939 --> 00:05:30,490

Sydney and that's right in the middle of

114

00:05:30,100 --> 00:05:34,870

the city

115
00:05:30,490 --> 00:05:39,750
the website is skeptic on Australia org

116
00:05:34,870 --> 00:05:42,168
dot au and the blurb says

117
00:05:39,750 --> 00:05:44,728
[Music]

118
00:05:42,168 --> 00:05:47,968
the wait is over tickets are now

119
00:05:44,728 --> 00:05:49,678
available for skeptic on the 2017

120
00:05:47,968 --> 00:05:51,149
Australian skeptics National Convention

121
00:05:49,678 --> 00:05:53,578
The Skeptical

122
00:05:51,149 --> 00:05:55,379
highlight of the year our 33rd

123
00:05:53,579 --> 00:05:57,389
convention is being organized by

124
00:05:55,379 --> 00:06:01,079
thinking and will be held on November

125
00:05:57,389 --> 00:06:04,228
the 18th or 19th 2017 at the city

126
00:06:01,079 --> 00:06:05,939
recital hall angel place Sydney this

127
00:06:04,228 --> 00:06:08,428
promises to be a great event with

128
00:06:05,939 --> 00:06:09,569
speakers including science media star

129
00:06:08,428 --> 00:06:11,908
dr. Carl

130
00:06:09,569 --> 00:06:14,519
Priscilla scheme of course astronomer

131
00:06:11,908 --> 00:06:17,488
Alan Duffy YouTube super debunker

132
00:06:14,519 --> 00:06:20,189
captain disillusion comedian and MC

133
00:06:17,488 --> 00:06:23,668
Lawrence lung former naturopath and now

134
00:06:20,189 --> 00:06:26,659
critic evolve med Britt Hermes doctor

135
00:06:23,668 --> 00:06:29,368
and TV personality dr. Brad Makai

136
00:06:26,658 --> 00:06:31,558
award-winning documentary maker Sonja

137
00:06:29,369 --> 00:06:34,139
Pemberton Walkley award winning

138
00:06:31,559 --> 00:06:37,049
journalist cathy marks and dr.

139
00:06:34,139 --> 00:06:39,028
competition dr. veeram sharma more great

140
00:06:37,048 --> 00:06:41,308
speakers will be announced soon as well

141
00:06:39,028 --> 00:06:43,528
as news of the convention dinner on the

142
00:06:41,309 --> 00:06:46,289
night of Saturday the 18th of November

143

00:06:43,528 --> 00:06:52,639
single day and full weekend tickets are

144
00:06:46,288 --> 00:06:52,639
available skeptic on Australia org you

145
00:06:55,310 --> 00:07:00,889
oh yes looking forward to that

146
00:06:59,240 --> 00:07:03,170
convention a bit later on in the year

147
00:07:00,889 --> 00:07:04,730
here in Sydney and goodness me there are

148
00:07:03,170 --> 00:07:06,290
a lot of conventions skeptical

149
00:07:04,730 --> 00:07:08,060
conventions coming up we'll be hearing

150
00:07:06,290 --> 00:07:09,889
from Claire soon about the one in the in

151
00:07:08,060 --> 00:07:12,769
Europe in Poland

152
00:07:09,889 --> 00:07:16,519
we've got announcement later on in this

153
00:07:12,769 --> 00:07:19,939
episode about a skeptic owl in Berkeley

154
00:07:16,519 --> 00:07:22,549
in California QED is coming up it'll the

155
00:07:19,939 --> 00:07:26,180
list goes on the list goes on if you

156
00:07:22,550 --> 00:07:27,560
have the opportunity this year for the

157
00:07:26,180 --> 00:07:29,840

rest of this year if you're near one of

158

00:07:27,560 --> 00:07:31,668

these conventions come along we've got

159

00:07:29,839 --> 00:07:34,639

the Northeast Conference of science and

160

00:07:31,668 --> 00:07:38,089

skepticism in New York coming up next

161

00:07:34,639 --> 00:07:40,490

month which I shall be at all sorts of

162

00:07:38,089 --> 00:07:44,569

wonderful conventions well now it's time

163

00:07:40,490 --> 00:07:52,220

for me to run downstairs and make myself

164

00:07:44,569 --> 00:07:54,680

a little selection of camembert um bleu

165

00:07:52,220 --> 00:07:59,120

cheese a little bit of blue cheese but a

166

00:07:54,680 --> 00:08:03,228

camembert some crackers nice big square

167

00:07:59,120 --> 00:08:06,949

crackers a few roasted peanuts beside

168

00:08:03,228 --> 00:08:09,168

that and a nice glass of ginger beer hmm

169

00:08:06,949 --> 00:08:12,168

that sounds okay to me well I do all

170

00:08:09,168 --> 00:08:15,490

that and enjoy all that I hope you enjoy

171

00:08:12,168 --> 00:08:15,490

the skeptic zone

172
00:08:31,978 --> 00:08:44,529
it's the raw skeptic report with Heidi

173
00:08:35,950 --> 00:08:46,509
Robertson hello everyone

174
00:08:44,529 --> 00:08:50,470
Heidi Robertson here from the Northern

175
00:08:46,509 --> 00:08:52,120
Rivers vaccination supporters if you are

176
00:08:50,470 --> 00:08:54,940
at all familiar with the

177
00:08:52,120 --> 00:08:57,159
anti-vaccination movement you would have

178
00:08:54,940 --> 00:09:00,340
heard some of the typical tropes that

179
00:08:57,159 --> 00:09:02,679
are trotted out from why is my

180
00:09:00,340 --> 00:09:06,730
unvaccinated child a threat to your

181
00:09:02,679 --> 00:09:10,989
vaccinated child to vaccines are

182
00:09:06,730 --> 00:09:14,500
unnatural to vaccines weaken the immune

183
00:09:10,990 --> 00:09:18,639
system to the old tired and thoroughly

184
00:09:14,500 --> 00:09:20,620
debunked vaccines cause autism to Bill

185
00:09:18,639 --> 00:09:24,399
Gates is trying to depopulate the world

186
00:09:20,620 --> 00:09:26,620
through vaccinations - how can you

187
00:09:24,399 --> 00:09:30,329
inject your baby with aborted fetuses

188
00:09:26,620 --> 00:09:33,250
and monkeys kidneys I kid you not

189
00:09:30,330 --> 00:09:35,980
here in the Northern Rivers we have

190
00:09:33,250 --> 00:09:37,720
another common one now we live in a

191
00:09:35,980 --> 00:09:40,230
stunning part of the world as I often

192
00:09:37,720 --> 00:09:43,210
say with arguably the best beaches

193
00:09:40,230 --> 00:09:46,090
beautiful sprawling green countryside

194
00:09:43,210 --> 00:09:48,670
gorgeous weather and plenty of people

195
00:09:46,090 --> 00:09:50,410
who enjoy exercising outdoors and eating

196
00:09:48,669 --> 00:09:52,899
fresh produce either from their own

197
00:09:50,409 --> 00:09:56,049
gardens or from the myriad of roadside

198
00:09:52,899 --> 00:09:59,529
stalls and markets it's a popular

199
00:09:56,049 --> 00:10:00,879
tourist mecca for these reasons one

200

00:09:59,529 --> 00:10:02,589
would be forgiven for looking at this

201
00:10:00,879 --> 00:10:05,710
region and forgetting that polio

202
00:10:02,590 --> 00:10:08,379
diphtheria and measles are even a thing

203
00:10:05,710 --> 00:10:10,269
to be concerned about these days and in

204
00:10:08,379 --> 00:10:13,360
fact a prevailing argument from the

205
00:10:10,269 --> 00:10:14,889
vaccine deniers in this region is where

206
00:10:13,360 --> 00:10:17,200
are all the disease people in the

207
00:10:14,889 --> 00:10:19,600
Northern Rivers I don't see anyone sick

208
00:10:17,200 --> 00:10:21,370
with these diseases how can you say that

209
00:10:19,600 --> 00:10:23,560
the worst vaccination rates in Australia

210
00:10:21,370 --> 00:10:27,460
are causing danger to us when we don't

211
00:10:23,559 --> 00:10:30,250
see epidemics of these diseases it is

212
00:10:27,460 --> 00:10:32,410
truly staggering that vaccine deniers can

213
00:10:30,250 --> 00:10:33,100
continue to either not see what is

214
00:10:32,409 --> 00:10:35,500

happening

215

00:10:33,100 --> 00:10:38,409

around them or to see it and yet still

216

00:10:35,500 --> 00:10:40,769

explain it away somehow just last night

217

00:10:38,409 --> 00:10:43,029

I had a vaccine denying message me

218

00:10:40,769 --> 00:10:44,740

admitting that yes her mother had not

219

00:10:43,029 --> 00:10:47,669

vaccinated her as a child and she

220

00:10:44,740 --> 00:10:51,279

subsequently contracted measles mumps

221

00:10:47,669 --> 00:10:52,929

chickenpox and whooping cough but that

222

00:10:51,279 --> 00:10:54,990

she believed that these diseases were

223

00:10:52,929 --> 00:10:58,000

just rites of passage for a child

224

00:10:54,990 --> 00:11:00,039

never mind the babies and immune

225

00:10:58,000 --> 00:11:01,809

suppressed people she was exposed to

226

00:11:00,039 --> 00:11:03,039

throughout the course of these childhood

227

00:11:01,809 --> 00:11:05,439

rites of passage

228

00:11:03,039 --> 00:11:08,110

never mind the people who died from

229

00:11:05,440 --> 00:11:11,440
these diseases anyway

230

00:11:08,110 --> 00:11:13,690
it's easy for me to get off track if you

231

00:11:11,440 --> 00:11:16,120
can detect some frustration in my voice

232

00:11:13,690 --> 00:11:18,820
it's because this issue has become such

233

00:11:16,120 --> 00:11:20,289
an ingrained part of life now that I

234

00:11:18,820 --> 00:11:22,030
have to worry whenever I'm in the

235

00:11:20,289 --> 00:11:23,579
shopping center with my kids and we hear

236

00:11:22,029 --> 00:11:26,049
someone coughed

237

00:11:23,580 --> 00:11:29,230
instead of delighting in the vision of a

238

00:11:26,049 --> 00:11:31,479
new baby in the community I shudder when

239

00:11:29,230 --> 00:11:34,930
I see newborns being passed around here

240

00:11:31,480 --> 00:11:37,360
at social events last week it was

241

00:11:34,929 --> 00:11:40,629
revealed that the Northern Rivers had 37

242

00:11:37,360 --> 00:11:44,050
new cases of whooping cough in just one

243
00:11:40,629 --> 00:11:46,509
week let me just emphasize at this point

244
00:11:44,049 --> 00:11:49,870
that this figure is undoubtedly just the

245
00:11:46,509 --> 00:11:52,450
tip of the iceberg 37 notifications to

246
00:11:49,870 --> 00:11:55,000
public health does not mean that there

247
00:11:52,450 --> 00:11:58,030
are only 37 cases of the disease in the

248
00:11:55,000 --> 00:11:59,799
community in the past week the mistrust

249
00:11:58,029 --> 00:12:02,529
of the medical system means that when

250
00:11:59,799 --> 00:12:04,179
sick people do not seek the advice and

251
00:12:02,529 --> 00:12:06,039
treatment from their family general

252
00:12:04,179 --> 00:12:09,039
practitioner because they do not have

253
00:12:06,039 --> 00:12:11,559
one they may go to their local herb shop

254
00:12:09,039 --> 00:12:13,809
for advice or their naturopath or

255
00:12:11,559 --> 00:12:16,089
homeopathy or even their chiropractor

256
00:12:13,809 --> 00:12:18,729
who acts as their primary health care

257

00:12:16,090 --> 00:12:23,320
practitioner the vast majority of who

258
00:12:18,730 --> 00:12:24,940
are rabidly anti-vaccine themselves so a

259
00:12:23,320 --> 00:12:27,760
reasonable scenario for the Northern

260
00:12:24,940 --> 00:12:31,120
Rivers a mum or dad has a young child

261
00:12:27,759 --> 00:12:34,120
with a nasty persistent cough in they go

262
00:12:31,120 --> 00:12:36,009
to the local herb shop the local doctors

263
00:12:34,120 --> 00:12:38,710
don't know anything you see so you

264
00:12:36,009 --> 00:12:40,179
should avoid them at all costs mind you

265
00:12:38,710 --> 00:12:42,519
the doctors in an emergency department

266
00:12:40,179 --> 00:12:45,039
are okay for treating your child's

267
00:12:42,519 --> 00:12:47,379
broken leg or saving your life in the

268
00:12:45,039 --> 00:12:49,719
case of a heart attack but other than

269
00:12:47,379 --> 00:12:53,019
they are all out to purposely maim and

270
00:12:49,720 --> 00:12:54,730
kill our children so in they go to the

271
00:12:53,019 --> 00:12:56,259

herb shop and they speak with the

272

00:12:54,730 --> 00:12:59,230

naturopath behind the counter or a

273

00:12:56,259 --> 00:13:02,350

herbalist or a homeopathy this sales

274

00:12:59,230 --> 00:13:04,570

person may ask a few questions sometimes

275

00:13:02,350 --> 00:13:07,889

they do not even ask to see the patient

276

00:13:04,570 --> 00:13:11,470

so apparently no examination is required

277

00:13:07,889 --> 00:13:13,958

if an examination is performed it may

278

00:13:11,470 --> 00:13:16,410

consist of pseudo scientific procedures

279

00:13:13,958 --> 00:13:19,359

and questions involving chakras

280

00:13:16,409 --> 00:13:21,639

kinesiology or asking if the child has

281

00:13:19,360 --> 00:13:25,959

suffered any recent traumas that may

282

00:13:21,639 --> 00:13:29,199

have caused the quote disease and quote

283

00:13:25,958 --> 00:13:32,078

a definitive diagnosis of whooping cough

284

00:13:29,200 --> 00:13:35,230

is not made because they lack both the

285

00:13:32,078 --> 00:13:38,349

medical expertise may deny germ theory

286
00:13:35,230 --> 00:13:41,070
altogether and certainly do not take a

287
00:13:38,350 --> 00:13:43,570
swab and send it off to pathology

288
00:13:41,070 --> 00:13:45,760
therefore Public Health never hears of

289
00:13:43,570 --> 00:13:47,620
these patients and the child with

290
00:13:45,759 --> 00:13:49,958
whooping cough is free to run around in

291
00:13:47,620 --> 00:13:52,328
the community with various concoctions

292
00:13:49,958 --> 00:13:54,879
of herbal preparations onboard which

293
00:13:52,328 --> 00:13:57,729
have no evidence of efficacy are not

294
00:13:54,879 --> 00:13:59,588
regulated and in many cases do not even

295
00:13:57,730 --> 00:14:02,560
contain the same doses of active

296
00:13:59,589 --> 00:14:06,010
ingredient from batch to batch or they

297
00:14:02,559 --> 00:14:07,899
get sugar water I've done a report on

298
00:14:06,009 --> 00:14:12,129
whooping cough previously in episode

299
00:14:07,899 --> 00:14:15,039
number 335 of the sceptic Zone when baby

300
00:14:12,129 --> 00:14:16,870
Riley Hughes died from whooping cough in

301
00:14:15,039 --> 00:14:20,528
it I mentioned that the current vaccine

302
00:14:16,870 --> 00:14:23,709
although not perfect still has about an

303
00:14:20,528 --> 00:14:27,189
84% efficacy after three doses of

304
00:14:23,708 --> 00:14:29,169
preventing severe disease the vaccine we

305
00:14:27,190 --> 00:14:32,079
currently have is better at reducing the

306
00:14:29,169 --> 00:14:35,129
severity and not as good as preventing

307
00:14:32,078 --> 00:14:37,778
the disease itself altogether yes

308
00:14:35,129 --> 00:14:40,269
vaccinated people can still get whooping

309
00:14:37,778 --> 00:14:44,439
cough this does not equate to a vaccine

310
00:14:40,269 --> 00:14:46,509
failure and a vaccinated people do often

311
00:14:44,440 --> 00:14:49,000
in this area contract whooping cough

312
00:14:46,509 --> 00:14:51,669
because we literally have no herd

313
00:14:49,000 --> 00:14:53,948
immunity that is the less people

314

00:14:51,669 --> 00:14:55,659
vaccinated the more chance the disease

315
00:14:53,948 --> 00:14:58,799
has of spreading throughout the

316
00:14:55,659 --> 00:15:00,939
community which it is clearly doing here

317
00:14:58,799 --> 00:15:03,189
so take the 37

318
00:15:00,940 --> 00:15:05,830
cases diagnosed in the past week with a

319
00:15:03,190 --> 00:15:09,610
grain of salt it would not be surprising

320
00:15:05,830 --> 00:15:11,290
if it were easily double that rate but

321
00:15:09,610 --> 00:15:13,539
how does this compare with neighboring

322
00:15:11,289 --> 00:15:15,819
districts who have better vaccination

323
00:15:13,539 --> 00:15:19,209
rates and the rest of the state of New

324
00:15:15,820 --> 00:15:21,370
South Wales as a whole I quote from The

325
00:15:19,210 --> 00:15:24,910
Daily Telegraph article by Jane Hansen

326
00:15:21,370 --> 00:15:28,679
on the weekend which is titled whooping

327
00:15:24,909 --> 00:15:31,809
cough outbreak in anti VAX and clave

328
00:15:28,679 --> 00:15:34,449

quote the rate of whooping cough in the

329

00:15:31,809 --> 00:15:36,369

northern district is nine times that of

330

00:15:34,450 --> 00:15:39,490

the neighboring Mid North Coast health

331

00:15:36,370 --> 00:15:42,070

district which has only registered 17

332

00:15:39,490 --> 00:15:44,529

cases this year a Sunday Telegraph

333

00:15:42,070 --> 00:15:46,500

analysis of the local health districts

334

00:15:44,529 --> 00:15:49,059

revealed x' northern New South Wales

335

00:15:46,500 --> 00:15:50,889

also had a much higher incidence of

336

00:15:49,059 --> 00:15:55,809

whooping cough than any other area in

337

00:15:50,889 --> 00:15:59,529

the state in 2016 as well a total of

338

00:15:55,809 --> 00:16:02,129

10,000 832 New South Wales children

339

00:15:59,529 --> 00:16:04,720

contracted whooping cough statewide in

340

00:16:02,129 --> 00:16:07,629

2016 according to New South Wales health

341

00:16:04,720 --> 00:16:10,149

data children living in the north coast

342

00:16:07,629 --> 00:16:12,549

region which has the lowest vaccination

343
00:16:10,149 --> 00:16:14,379
rate in the country suffered four times

344
00:16:12,549 --> 00:16:20,319
more whooping cough than comparable

345
00:16:14,379 --> 00:16:23,080
areas in 2016 and quote and then further

346
00:16:20,320 --> 00:16:25,379
on in the article quote the northern New

347
00:16:23,080 --> 00:16:28,090
South Wales Health District registered

348
00:16:25,379 --> 00:16:30,970
518 cases of whooping cough in children

349
00:16:28,090 --> 00:16:32,920
last year almost four times the rate of

350
00:16:30,970 --> 00:16:37,810
the Mid North Coast Health District

351
00:16:32,919 --> 00:16:40,059
which registered only 158 cases the two

352
00:16:37,809 --> 00:16:42,369
health districts have similar population

353
00:16:40,059 --> 00:16:44,529
numbers but the Mid North Coast has a

354
00:16:42,370 --> 00:16:48,250
higher vaccination rate and therefore

355
00:16:44,529 --> 00:16:50,980
better third immunity for Central Coast

356
00:16:48,250 --> 00:16:53,200
local health district which boasts some

357
00:16:50,980 --> 00:16:57,159
of the highest immunization rates in New

358
00:16:53,200 --> 00:16:59,680
South Wales only registered 372 cases

359
00:16:57,159 --> 00:17:02,490
despite a greater population than

360
00:16:59,679 --> 00:17:05,459
northern New South Wales and quote and

361
00:17:02,490 --> 00:17:08,230
again further in the article quote

362
00:17:05,459 --> 00:17:10,660
Australian Medical Association president

363
00:17:08,230 --> 00:17:12,549
dr. Michael Gannon said whooping cough

364
00:17:10,660 --> 00:17:14,410
rates in northern New South Wales were

365
00:17:12,549 --> 00:17:16,899
probably much higher than recall

366
00:17:14,410 --> 00:17:19,569
figures because many in the community as

367
00:17:16,900 --> 00:17:23,079
to the GP favor of alternative

368
00:17:19,568 --> 00:17:25,629
practitioners he said a lot would not

369
00:17:23,078 --> 00:17:27,250
get diagnosed people should hold their

370
00:17:25,630 --> 00:17:29,350
breath when driving through northern New

371

00:17:27,250 --> 00:17:33,069
South Wales but it's a bit hard to hold

372
00:17:29,349 --> 00:17:34,779
your breath for 100 kilometres the

373
00:17:33,069 --> 00:17:36,509
director of the north coast Public

374
00:17:34,779 --> 00:17:39,160
Health Unit told The Sunday Telegraph

375
00:17:36,509 --> 00:17:41,710
that the community is at a much greater

376
00:17:39,160 --> 00:17:42,900
risk of outbreaks that can run out of

377
00:17:41,710 --> 00:17:45,250
control

378
00:17:42,900 --> 00:17:48,940
communities with low vaccination levels

379
00:17:45,250 --> 00:17:50,940
will have more disease he said two

380
00:17:48,940 --> 00:17:54,160
babies died in the region during the

381
00:17:50,940 --> 00:17:55,930
2009 to 2012 outbreak of whooping cough

382
00:17:54,160 --> 00:17:58,720
at one month old

383
00:17:55,930 --> 00:18:00,730
both Dana McCaffrey and Kahless Smith

384
00:17:58,720 --> 00:18:03,730
were too young to be vaccinated and

385
00:18:00,730 --> 00:18:06,390

succumbed to the horrid disease in 2009

386

00:18:03,730 --> 00:18:09,220
and 2011 respectively

387

00:18:06,390 --> 00:18:11,400
Tony McCaffrey has campaigned for a

388

00:18:09,220 --> 00:18:13,630
targeted campaign to address

389

00:18:11,400 --> 00:18:17,110
immunisation rates in the region since

390

00:18:13,630 --> 00:18:19,510
the death of her daughter Dana quote the

391

00:18:17,109 --> 00:18:22,869
perfect storm when Dana died is brewing

392

00:18:19,509 --> 00:18:25,210
again it's crucial pregnant women in the

393

00:18:22,869 --> 00:18:28,359
area get that booster shot to protect

394

00:18:25,210 --> 00:18:32,350
their newborns and quote mrs. McCaffrey

395

00:18:28,359 --> 00:18:35,109
said quote when Dana died whooping cough

396

00:18:32,349 --> 00:18:37,000
was four times the rate as well we need

397

00:18:35,109 --> 00:18:39,339
to explain to parents why they should

398

00:18:37,000 --> 00:18:40,779
vaccinate their child and educate them

399

00:18:39,339 --> 00:18:43,779
about the diseases that they are

400
00:18:40,779 --> 00:18:46,599
preventing in many cases there is no

401
00:18:43,779 --> 00:18:49,019
cure and all that modern medicine can do

402
00:18:46,599 --> 00:18:55,389
is support a child through it

403
00:18:49,019 --> 00:18:58,029
mrs. McCaffrey said end quote so what

404
00:18:55,390 --> 00:19:01,750
are the anti-vaccine about these telling

405
00:18:58,029 --> 00:19:05,649
figures so far I've seen the following

406
00:19:01,750 --> 00:19:07,900
comments quote I do put the health of my

407
00:19:05,650 --> 00:19:10,000
children above others when I spoke to a

408
00:19:07,900 --> 00:19:12,430
very pro vaccine professor of medicine

409
00:19:10,000 --> 00:19:14,619
more than 20 years ago he told me the

410
00:19:12,430 --> 00:19:17,140
best advice he could give was for me not

411
00:19:14,619 --> 00:19:18,579
to vaccinate my kids but for everyone

412
00:19:17,140 --> 00:19:23,560
else to do so for the herd immunity

413
00:19:18,579 --> 00:19:28,119
effect end quote and quote I have not

414
00:19:23,559 --> 00:19:30,220
and would not subject myself of my

415
00:19:28,119 --> 00:19:34,000
children to these barbaric drugs

416
00:19:30,220 --> 00:19:37,420
designed to cull population and weaken

417
00:19:34,000 --> 00:19:40,359
people's minds wake up and stop being

418
00:19:37,420 --> 00:19:43,660
sheep people we don't need them it's

419
00:19:40,359 --> 00:19:48,549
just another form of government control

420
00:19:43,660 --> 00:19:50,740
and quote and here's a pearler quote the

421
00:19:48,549 --> 00:19:53,559
Muslims are bringing the disease's back

422
00:19:50,740 --> 00:19:58,089
mate and you are falling for it end

423
00:19:53,559 --> 00:20:00,490
quote those quotes above we're all just

424
00:19:58,089 --> 00:20:04,449
on the stop the AVN Facebook page under

425
00:20:00,490 --> 00:20:06,519
the post on this story in an anti

426
00:20:04,450 --> 00:20:08,710
vaccination group one prominent

427
00:20:06,519 --> 00:20:10,779
campaigner was celebrating the return of

428

00:20:08,710 --> 00:20:15,309
whooping cough by posting the article

429
00:20:10,779 --> 00:20:18,549
alongside her comment we are winning yep

430
00:20:15,309 --> 00:20:20,440
just a small sample I cannot go to the

431
00:20:18,549 --> 00:20:23,379
other anti vaccination forums to see

432
00:20:20,440 --> 00:20:26,230
what has been posted due to a selfish

433
00:20:23,380 --> 00:20:30,580
self interest in maintaining my mental

434
00:20:26,230 --> 00:20:33,220
health some may say what's left of it

435
00:20:30,579 --> 00:20:35,319
after this story broke with these

436
00:20:33,220 --> 00:20:37,630
statistics we thought it would be a good

437
00:20:35,319 --> 00:20:40,539
time to also ask for some other

438
00:20:37,630 --> 00:20:42,490
statistics to be released it would be

439
00:20:40,539 --> 00:20:45,129
interesting to know what the uptake is

440
00:20:42,490 --> 00:20:47,319
of the maternal third trimester whooping

441
00:20:45,130 --> 00:20:49,450
cough booster specifically in our area

442
00:20:47,319 --> 00:20:51,939

to see if it correlates at all with the

443

00:20:49,450 --> 00:20:53,500

increase in whooping cough outbreaks the

444

00:20:51,940 --> 00:20:56,529

maternal booster has been offered to

445

00:20:53,500 --> 00:21:00,130

women free of charge since March or

446

00:20:56,529 --> 00:21:02,649

April of 2015 so it's been long enough

447

00:21:00,130 --> 00:21:04,930

to have seen a reduction in pitous if

448

00:21:02,650 --> 00:21:08,080

enough pregnant women here were taking

449

00:21:04,930 --> 00:21:10,240

up the vaccination so far we've been

450

00:21:08,079 --> 00:21:13,740

told that the data is due to be released

451

00:21:10,240 --> 00:21:16,059

soon so we'll keep you updated on that

452

00:21:13,740 --> 00:21:18,640

we have posted the link to the full

453

00:21:16,059 --> 00:21:20,470

Daily Telegraph story on our Facebook

454

00:21:18,640 --> 00:21:23,680

page northern rivers vaccination

455

00:21:20,470 --> 00:21:26,259

supporters and it has been widely shared

456

00:21:23,680 --> 00:21:28,000

which we are grateful for if any

457
00:21:26,259 --> 00:21:30,579
listeners would like to visit our page

458
00:21:28,000 --> 00:21:33,369
and give it a like or even occasionally

459
00:21:30,579 --> 00:21:36,399
share some of our posts it would be much

460
00:21:33,369 --> 00:21:40,829
appreciated we can also be found on

461
00:21:36,400 --> 00:21:48,720
twitter at in our VAX supporters VA ex

462
00:21:40,829 --> 00:21:51,329
and at WWN RVs info thank you again to

463
00:21:48,720 --> 00:21:53,940
Richard and all the wonderful skeptic

464
00:21:51,329 --> 00:21:58,168
zone listeners for your ongoing support

465
00:21:53,940 --> 00:22:01,500
and encouragement that's it for me for

466
00:21:58,169 --> 00:22:03,750
now thank you for listening I hope to

467
00:22:01,500 --> 00:22:06,569
have another report out soon maybe even

468
00:22:03,750 --> 00:22:10,038
nonvaccine related this is Heidi

469
00:22:06,569 --> 00:22:10,038
Robertson signing off

470
00:22:10,779 --> 00:22:22,549
[Music]

471
00:22:21,400 --> 00:22:22,720
[Applause]

472
00:22:22,549 --> 00:22:24,930
[Music]

473
00:22:22,720 --> 00:22:28,650
[Applause]

474
00:22:24,930 --> 00:22:31,259
save the date Sunday June the 11th for

475
00:22:28,650 --> 00:22:33,269
skeptic al the day long

476
00:22:31,259 --> 00:22:37,470
Northern California conference of

477
00:22:33,269 --> 00:22:40,319
science and skepticism featuring Eugenie

478
00:22:37,470 --> 00:22:40,890
see Scott science and pseudoscience of

479
00:22:40,319 --> 00:22:43,529
race

480
00:22:40,890 --> 00:22:46,310
Brian gunning challenging popular

481
00:22:43,529 --> 00:22:50,519
assumptions and roof-rack noise

482
00:22:46,309 --> 00:22:51,289
pseudoscience advice for the 2017 solar

483
00:22:50,519 --> 00:22:54,450
eclipse

484
00:22:51,289 --> 00:22:58,039
Edward vassal on fake news

485

00:22:54,450 --> 00:23:02,690
Judith Horstmann myths of the brain

486
00:22:58,039 --> 00:23:06,240
Marty Klein pornography and porn panic

487
00:23:02,690 --> 00:23:09,170
plus science comedy magic with Luigi and

488
00:23:06,240 --> 00:23:09,170
Savino

489
00:23:09,648 --> 00:23:15,858
register online at skipty cal con dog

490
00:23:14,519 --> 00:23:19,138
[Music]

491
00:23:15,858 --> 00:23:21,958
skeptical at the shutter hotel austin

492
00:23:19,138 --> 00:23:24,288
way Berkeley California Sunday June the

493
00:23:21,959 --> 00:23:24,288
11th

494
00:23:24,759 --> 00:23:32,950
you

495
00:23:25,440 --> 00:23:36,559
[Music]

496
00:23:32,950 --> 00:23:38,539
and now direct from the cafe at

497
00:23:36,559 --> 00:23:46,250
Australia's Science Channel

498
00:23:38,539 --> 00:23:48,740
it's brouhaha with Ben Lewis a fresh

499
00:23:46,250 --> 00:23:50,750

email leak has just landed and we are

500

00:23:48,740 --> 00:23:54,049

loving this particular peek behind the

501

00:23:50,750 --> 00:23:56,480

curtains of the CSIRO dial back the

502

00:23:54,049 --> 00:23:58,569

clock to the innocent days of 2015

503

00:23:56,480 --> 00:24:00,529

New Horizons whizzed past Pluto

504

00:23:58,569 --> 00:24:03,139

audiences flocked to the theaters to

505

00:24:00,529 --> 00:24:05,569

watch Furious 7 and the world prepared

506

00:24:03,140 --> 00:24:08,570

for cop21 the international climate

507

00:24:05,569 --> 00:24:10,549

change conference in Paris according to

508

00:24:08,569 --> 00:24:11,869

these emails when it came to making a

509

00:24:10,549 --> 00:24:13,730

submission to the government on

510

00:24:11,869 --> 00:24:16,129

greenhouse gas reduction targets

511

00:24:13,730 --> 00:24:18,890

it was management this is scientists at

512

00:24:16,130 --> 00:24:20,930

the CSIRO basically the scientists

513

00:24:18,890 --> 00:24:23,390

wanted to make one and management didn't

514
00:24:20,930 --> 00:24:25,430
ultimately the scientists made a

515
00:24:23,390 --> 00:24:29,840
separate submission independence of the

516
00:24:25,430 --> 00:24:32,120
CSIRO hang on scientists of the CSIRO

517
00:24:29,839 --> 00:24:34,699
like most receptions scientific

518
00:24:32,119 --> 00:24:37,159
institutions are allowed and in fact

519
00:24:34,700 --> 00:24:39,559
encouraged to speak out in their areas

520
00:24:37,160 --> 00:24:42,200
of expertise but as soon as the topic

521
00:24:39,559 --> 00:24:43,789
strays into policy the scientists are

522
00:24:42,200 --> 00:24:46,819
expected to zip their lips as

523
00:24:43,789 --> 00:24:48,730
representatives of their institution but

524
00:24:46,819 --> 00:24:51,289
hey scientists you can tell us

525
00:24:48,730 --> 00:24:54,110
everything next time you want to leg

526
00:24:51,289 --> 00:24:56,869
something send it our way we'll be wide

527
00:24:54,109 --> 00:24:59,000
eyes and open ears from which scientists

528
00:24:56,869 --> 00:25:01,279
leaves dirty petri dishes all over the

529
00:24:59,000 --> 00:25:03,410
lab benches so who wasted millions of

530
00:25:01,279 --> 00:25:06,430
dollars in funding we're here for you

531
00:25:03,410 --> 00:25:08,570
you can tell us anything

532
00:25:06,430 --> 00:25:11,600
[Music]

533
00:25:08,569 --> 00:25:18,189
for more brouhaha and australian science

534
00:25:11,599 --> 00:25:18,189
ed 4ww australia science TV

535
00:25:18,809 --> 00:25:30,769
[Music]

536
00:25:28,298 --> 00:25:32,929
joining me now all the way from the

537
00:25:30,769 --> 00:25:34,880
Czech Republic and what a beautiful

538
00:25:32,929 --> 00:25:37,700
country that is - I've had the pleasure

539
00:25:34,880 --> 00:25:39,710
of visiting the Czech Republic ah twice

540
00:25:37,700 --> 00:25:41,389
over the last 20 years of a wonderful

541
00:25:39,710 --> 00:25:43,669
place from the Czech

542

00:25:41,388 --> 00:25:45,619
skeptics club Sisyphus it's clear

543
00:25:43,669 --> 00:25:48,889
Klingenberg good morning and good

544
00:25:45,619 --> 00:25:51,079
evening Clare good morning and good

545
00:25:48,888 --> 00:25:53,569
evening to you I know it's late at night

546
00:25:51,079 --> 00:25:54,949
in the czech republic right now and it's

547
00:25:53,569 --> 00:25:56,178
sort of early in the morning here in

548
00:25:54,950 --> 00:25:57,769
australia but that's the way the

549
00:25:56,179 --> 00:25:59,389
internet works with you when you're

550
00:25:57,769 --> 00:26:02,048
interviewing people around the planet

551
00:25:59,388 --> 00:26:06,109
now we've given you a call we've

552
00:26:02,048 --> 00:26:09,500
contacted you to remind us fill us in on

553
00:26:06,109 --> 00:26:12,500
the upcoming European skeptics Congress

554
00:26:09,500 --> 00:26:14,690
which is going to be held in Poland now

555
00:26:12,500 --> 00:26:16,669
you are on the sceptic Zone or some

556
00:26:14,690 --> 00:26:19,788

months ago in January when the Ranse

557

00:26:16,669 --> 00:26:21,860

give interviewed you how are things

558

00:26:19,788 --> 00:26:26,058

shaping up for the Congress and what can

559

00:26:21,859 --> 00:26:28,008

you tell our listeners so of course it's

560

00:26:26,058 --> 00:26:33,288

everything is shaping up great we are

561

00:26:28,009 --> 00:26:34,878

very very excited by the Congress it's a

562

00:26:33,288 --> 00:26:36,980

Cooperation Congress between the Czech

563

00:26:34,878 --> 00:26:41,599

Republic and and Poland's and the police

564

00:26:36,980 --> 00:26:43,700

critics the Congress itself will have

565

00:26:41,599 --> 00:26:46,308

traditional and less traditional skeptic

566

00:26:43,700 --> 00:26:49,220

topics and what we are very happy about

567

00:26:46,308 --> 00:26:51,710

is the number of workshops that we have

568

00:26:49,220 --> 00:26:55,129

for the public which are free for the

569

00:26:51,710 --> 00:26:57,620

public which is kind of the main are the

570

00:26:55,128 --> 00:27:00,109

main thing we skeptics should do is the

571
00:26:57,619 --> 00:27:02,298
public outreach so we are very I'm very

572
00:27:00,109 --> 00:27:04,490
very happy that my polish colleagues

573
00:27:02,298 --> 00:27:06,888
managed to secure so many wonderful

574
00:27:04,490 --> 00:27:10,730
speakers for the public as well not just

575
00:27:06,888 --> 00:27:12,619
for us for descriptives now can you tell

576
00:27:10,730 --> 00:27:16,730
me a little bit about where the Congress

577
00:27:12,619 --> 00:27:19,009
is going to be held I hoping it's

578
00:27:16,730 --> 00:27:21,220
pronounced something like votes for is

579
00:27:19,009 --> 00:27:24,129
that right yes so

580
00:27:21,220 --> 00:27:26,110
the city of brasov in Poland don't worry

581
00:27:24,130 --> 00:27:28,990
it has an International Airport with

582
00:27:26,109 --> 00:27:33,609
services from London and Berlin and like

583
00:27:28,990 --> 00:27:36,789
every other major European city so it's

584
00:27:33,609 --> 00:27:39,490
not in the middle of nowhere you can get

585
00:27:36,789 --> 00:27:42,609
there so the city of Brussels um is a

586
00:27:39,490 --> 00:27:44,650
very beautiful very historic city um has

587
00:27:42,609 --> 00:27:46,899
a wonderful University and the

588
00:27:44,650 --> 00:27:50,740
University of Guelph is also the venue

589
00:27:46,900 --> 00:27:52,450
of the Congress uh for those who want to

590
00:27:50,740 --> 00:27:54,339
have like a little road trip we have

591
00:27:52,450 --> 00:27:56,710
this kind of event in Prague into

592
00:27:54,339 --> 00:27:59,289
Republic the day before the Congress

593
00:27:56,710 --> 00:28:02,890
starts with a bus service to varrock

594
00:27:59,289 --> 00:28:04,990
slot which is only three hours away so

595
00:28:02,890 --> 00:28:06,759
that's kind of a fun thing to do and we

596
00:28:04,990 --> 00:28:09,690
have people signing up to do that as

597
00:28:06,759 --> 00:28:12,730
well but the city of broad Slav it's

598
00:28:09,690 --> 00:28:14,680
interesting because it has ten mill

599

00:28:12,730 --> 00:28:15,339
ville Prize winners connected with it

600
00:28:14,680 --> 00:28:18,850
mm-hmm

601
00:28:15,339 --> 00:28:21,009
so that's quite a number that's not bad

602
00:28:18,849 --> 00:28:21,849
and you know what folks I'm as I speak

603
00:28:21,009 --> 00:28:24,220
to Claire

604
00:28:21,849 --> 00:28:27,849
I'm just casting an eye over the website

605
00:28:24,220 --> 00:28:31,420
for the Congress which is euro skeptics

606
00:28:27,849 --> 00:28:34,569
con and skeptics can be spelt with a K

607
00:28:31,420 --> 00:28:37,660
or a C in this case and the city looks

608
00:28:34,569 --> 00:28:42,129
just beautiful I mean gorgeous and the

609
00:28:37,660 --> 00:28:43,390
facilities are fantastic in fact I'm

610
00:28:42,130 --> 00:28:45,850
sort of getting swept away here folks

611
00:28:43,390 --> 00:28:48,460
because the website itself rotates

612
00:28:45,849 --> 00:28:51,399
images of this beautiful beautiful place

613
00:28:48,460 --> 00:28:53,860

in Poland now what can people expect

614

00:28:51,400 --> 00:28:58,180

apart from the workshops who can people

615

00:28:53,859 --> 00:29:01,359

expect to see speak there Clare uh well

616

00:28:58,180 --> 00:29:06,340

our main star of the whole event of

617

00:29:01,359 --> 00:29:10,329

course is James Randi haha it's making

618

00:29:06,339 --> 00:29:12,789

his a kind of European tour um after our

619

00:29:10,329 --> 00:29:15,279

after our Congress he's going to stop in

620

00:29:12,789 --> 00:29:17,500

Italy for the cheek up Congress but

621

00:29:15,279 --> 00:29:20,319

you're very very happy that he's decided

622

00:29:17,500 --> 00:29:22,900

to come and speak at our at our Congress

623

00:29:20,319 --> 00:29:24,549

in broad slub he was speaking in the

624

00:29:22,900 --> 00:29:27,220

European skeptics Congress a couple of

625

00:29:24,549 --> 00:29:28,990

years ago when it was in Sweden and now

626

00:29:27,220 --> 00:29:32,650

he's going to be speaking the one that

627

00:29:28,990 --> 00:29:35,019

saw in Poland wow that's fantastic and

628
00:29:32,650 --> 00:29:38,650
what a man he is to be

629
00:29:35,019 --> 00:29:42,400
still so so active at at he's a

630
00:29:38,650 --> 00:29:43,810
wonderful age it's just fantastic yes I

631
00:29:42,400 --> 00:29:46,390
have I was very lucky to have the

632
00:29:43,809 --> 00:29:49,299
opportunity to meet him at saikhan in

633
00:29:46,390 --> 00:29:52,240
October and I'm very happy he accepted

634
00:29:49,299 --> 00:29:55,210
my invitation to come and speak at this

635
00:29:52,240 --> 00:29:57,880
Congress I think I will just bring it to

636
00:29:55,210 --> 00:30:00,039
the completing of another level I'm sure

637
00:29:57,880 --> 00:30:04,270
it will but like what other speakers we

638
00:30:00,039 --> 00:30:06,879
have um yeah kind of like a Pacific

639
00:30:04,269 --> 00:30:10,119
conferences there are certain speakers

640
00:30:06,880 --> 00:30:11,920
that we tend to hear a lot and so what

641
00:30:10,119 --> 00:30:13,359
we wanted to do is kind of mix it up a

642
00:30:11,920 --> 00:30:15,130
little bit if you want to give the

643
00:30:13,359 --> 00:30:17,259
people different kind of take a

644
00:30:15,130 --> 00:30:19,720
different kind of flavor so we have

645
00:30:17,259 --> 00:30:21,490
speakers pulley speakers and chick

646
00:30:19,720 --> 00:30:23,559
speakers who usually are not featured

647
00:30:21,490 --> 00:30:27,870
but who are in the top of their

648
00:30:23,559 --> 00:30:31,029
respective fields and as well from other

649
00:30:27,869 --> 00:30:35,250
speakers from other countries we have

650
00:30:31,029 --> 00:30:39,160
for example Susan Blackmore and we have

651
00:30:35,250 --> 00:30:41,380
Scotland field and Mark Landis so who

652
00:30:39,160 --> 00:30:46,120
are also very big stars in their own

653
00:30:41,380 --> 00:30:48,160
field and I noticed - um my friend and

654
00:30:46,119 --> 00:30:50,109
known to many people susan gerbic will

655
00:30:48,160 --> 00:30:53,380
be there too she's doing wonderful work

656

00:30:50,109 --> 00:30:57,099
on Wikipedia there's like no one else

657
00:30:53,380 --> 00:31:01,180
would be so active and she really her

658
00:30:57,099 --> 00:31:03,730
work is shaping um the public eye and

659
00:31:01,180 --> 00:31:06,460
the public opinion so much she's

660
00:31:03,730 --> 00:31:08,200
wonderful yeah oh she certainly is uh

661
00:31:06,460 --> 00:31:10,360
she's a real trouper

662
00:31:08,200 --> 00:31:13,809
and an old friend of mine I see Sonali

663
00:31:10,359 --> 00:31:17,429
animatic who is gonna be there - yes yes

664
00:31:13,809 --> 00:31:20,319
um Sonali Miroku he has his own

665
00:31:17,430 --> 00:31:24,100
conference going on next week next

666
00:31:20,319 --> 00:31:25,689
weekend in Helsinki um he has heard the

667
00:31:24,099 --> 00:31:28,629
brushless international group as well

668
00:31:25,690 --> 00:31:32,140
and we're very lucky that he agreed to

669
00:31:28,630 --> 00:31:34,930
speak at our European Congress well look

670
00:31:32,140 --> 00:31:38,170

clear it's shaping up to be a fantastic

671

00:31:34,930 --> 00:31:39,730

event it's one of the many sceptical

672

00:31:38,170 --> 00:31:42,160

events around the world I wish I could

673

00:31:39,730 --> 00:31:44,529

attend just to soak in or the atmosphere

674

00:31:42,160 --> 00:31:46,240

and the history and the culture of the

675

00:31:44,529 --> 00:31:47,619

region

676

00:31:46,240 --> 00:31:49,420

not not to mention of course the

677

00:31:47,619 --> 00:31:51,159

wonderful speakers and workshops that

678

00:31:49,420 --> 00:31:53,920

you're going to have there folks it's

679

00:31:51,160 --> 00:31:56,470

the 17th European skeptics Congress and

680

00:31:53,920 --> 00:32:00,840

that those dates again are September the

681

00:31:56,470 --> 00:32:04,960

22nd to the 24th the website is euro

682

00:32:00,839 --> 00:32:08,109

skeptics con and skeptics can be spelt

683

00:32:04,960 --> 00:32:11,049

with a K or a C in this case links are

684

00:32:08,109 --> 00:32:12,729

to all of that on this week's show notes

685
00:32:11,049 --> 00:32:14,500
will clear wonderful to catch up with

686
00:32:12,730 --> 00:32:17,079
you I'll certainly be promoting this

687
00:32:14,500 --> 00:32:19,929
Congress in the coming months and I

688
00:32:17,079 --> 00:32:21,639
think I'm going to be very lucky to meet

689
00:32:19,929 --> 00:32:25,540
you in person a bit later on

690
00:32:21,640 --> 00:32:28,330
in a few months in New York yes I look

691
00:32:25,539 --> 00:32:29,980
for a tattoo it will be my first nexus

692
00:32:28,329 --> 00:32:31,928
conference I do

693
00:32:29,980 --> 00:32:33,519
but for now Claire Klingenberg all the

694
00:32:31,929 --> 00:32:52,360
way from the beautiful Czech Republic

695
00:32:33,519 --> 00:32:54,460
thank you very much thank you and now a

696
00:32:52,359 --> 00:32:57,519
special note for fans of Maynard at

697
00:32:54,460 --> 00:33:00,929
Maynard dot-com today you you can

698
00:32:57,519 --> 00:33:04,500
download your free main HUD calendar

699
00:33:00,929 --> 00:33:07,780
download printout back on the wall spend

700
00:33:04,500 --> 00:33:09,130
2017 with Maynard for your free calendar

701
00:33:07,779 --> 00:33:10,990
no strings attached

702
00:33:09,130 --> 00:33:14,100
well you'll have to attach some strings

703
00:33:10,990 --> 00:33:17,230
to put it on the wall and head for

704
00:33:14,099 --> 00:33:27,969
wwe.com a you

705
00:33:17,230 --> 00:33:27,970
[Music]

706
00:33:28,500 --> 00:33:35,640
now it's time for dr. Rachel reports

707
00:33:31,900 --> 00:33:35,640
with dr. Rachel Dunlop

708
00:33:35,700 --> 00:33:40,420
all right the Australian skeptics

709
00:33:37,720 --> 00:33:42,069
joining us once again in the studio and

710
00:33:40,420 --> 00:33:43,690
always a delight to have them on board

711
00:33:42,069 --> 00:33:45,869
because so we touch on some very

712
00:33:43,690 --> 00:33:47,710
interesting topics that we dr. Rachel

713

00:33:45,869 --> 00:33:50,229
dr. Rachel Wilson

714
00:33:47,710 --> 00:33:53,110
why because the doctor dr. Rachel Dunlop

715
00:33:50,230 --> 00:33:54,490
with us and dr. Chrissy Wilson okay and

716
00:33:53,109 --> 00:33:56,679
how are you college just extraordinary

717
00:33:54,490 --> 00:33:58,420
like Kristie nice to have you along yeah

718
00:33:56,680 --> 00:34:00,670
well thanks Rach very well happy Earth

719
00:33:58,420 --> 00:34:02,740
Hour to you Glenn yeah did you turn the

720
00:34:00,670 --> 00:34:04,150
lights off in here we did it well yeah

721
00:34:02,740 --> 00:34:06,940
we did and we fumbled around in the dark

722
00:34:04,150 --> 00:34:08,349
good made a lot of mistakes but um press

723
00:34:06,940 --> 00:34:10,240
the wrong button like I guess I'm

724
00:34:08,349 --> 00:34:11,619
skeptical that really achieves anything

725
00:34:10,239 --> 00:34:13,569
really yeah a lot of people have been

726
00:34:11,619 --> 00:34:15,339
saying that haven't they that some I did

727
00:34:13,570 --> 00:34:17,140

hear some people saying that even the

728

00:34:15,340 --> 00:34:19,600

process of turning all those lights off

729

00:34:17,139 --> 00:34:21,099

and then back on can actually create

730

00:34:19,599 --> 00:34:22,989

more views more power I don't know how

731

00:34:21,099 --> 00:34:24,549

true that is but um some people have

732

00:34:22,989 --> 00:34:26,500

been questioning the value of that yeah

733

00:34:24,550 --> 00:34:28,300

something that certainly came to my

734

00:34:26,500 --> 00:34:29,800

attention a few weeks ago and I know

735

00:34:28,300 --> 00:34:32,410

that it's come to your attention because

736

00:34:29,800 --> 00:34:35,890

in the current issue of your skeptics

737

00:34:32,409 --> 00:34:37,690

magazine the skeptic yes which I get a

738

00:34:35,889 --> 00:34:38,739

copy of and would parody recommend

739

00:34:37,690 --> 00:34:40,030

anyone that's interested in reading

740

00:34:38,739 --> 00:34:42,339

about all this sort of stuff get a copy

741

00:34:40,030 --> 00:34:43,780

of because it makes for some very good

742
00:34:42,340 --> 00:34:45,250
reading it's really good reading yeah

743
00:34:43,780 --> 00:34:49,150
very very interesting stuff everything

744
00:34:45,250 --> 00:34:52,690
from UFOs to weather whether God would

745
00:34:49,150 --> 00:34:54,010
Jesus was gay that wasn't it I dare not

746
00:34:52,690 --> 00:34:55,360
share that article with our listeners

747
00:34:54,010 --> 00:34:57,190
tonight I think we'll break them into

748
00:34:55,360 --> 00:34:58,960
that story very gently but but the

749
00:34:57,190 --> 00:35:00,340
reasoning behind it was quite

750
00:34:58,960 --> 00:35:02,500
fascinating yes

751
00:35:00,340 --> 00:35:04,510
yeah that's in the forum section isn't

752
00:35:02,500 --> 00:35:06,909
it a very long discussion about whether

753
00:35:04,510 --> 00:35:09,820
Jesus was gay yeah and the reasons why

754
00:35:06,909 --> 00:35:11,859
but but you know in in plotting through

755
00:35:09,820 --> 00:35:15,160
all of the reasons that this particular

756
00:35:11,860 --> 00:35:16,599
writer wrote in about it was it made me

757
00:35:15,159 --> 00:35:18,069
stop and think I was really unemployed

758
00:35:16,599 --> 00:35:19,389
and I thought okay that's quite

759
00:35:18,070 --> 00:35:21,190
interesting yeah there was some

760
00:35:19,389 --> 00:35:22,539
interesting aspects to all that but the

761
00:35:21,190 --> 00:35:23,530
thing that I particularly want to talk

762
00:35:22,539 --> 00:35:25,960
about is not now that we've got a couple

763
00:35:23,530 --> 00:35:27,940
of things on the agenda the guy that

764
00:35:25,960 --> 00:35:29,740
runs the gym that I go to oh yes

765
00:35:27,940 --> 00:35:32,110
who was a very knowledgeable young bloke

766
00:35:29,739 --> 00:35:33,129
and terrific at nutrition and health and

767
00:35:32,110 --> 00:35:34,358
keeping his

768
00:35:33,130 --> 00:35:35,858
ape and all that sort of caper he turned

769
00:35:34,358 --> 00:35:37,750
up the other day with one of these power

770

00:35:35,858 --> 00:35:39,518
wristbands and he said you got to get

771
00:35:37,750 --> 00:35:42,159
one of these and I said stop right there

772
00:35:39,518 --> 00:35:44,739
stop in the name of love stop in the

773
00:35:42,159 --> 00:35:46,538
name of skepticism Glenn he said he said

774
00:35:44,739 --> 00:35:47,768
no he said let me show you and I said

775
00:35:46,539 --> 00:35:49,420
you don't need to you know show me how

776
00:35:47,768 --> 00:35:51,548
if I wear it

777
00:35:49,420 --> 00:35:52,480
you're gonna put tip me over without it

778
00:35:51,548 --> 00:35:53,318
then when I put it on you're going to

779
00:35:52,480 --> 00:35:54,818
show me how it works

780
00:35:53,318 --> 00:35:56,500
I said you're about 30 years too late

781
00:35:54,818 --> 00:35:58,869
I've seen this already for at least 30

782
00:35:56,500 --> 00:36:02,250
years ago yeah yeah then let me guess I

783
00:35:58,869 --> 00:36:05,380
bet at 60 bucks that's right

784
00:36:02,250 --> 00:36:06,548

completely psyche how did you know this

785

00:36:05,380 --> 00:36:08,470
have you read the article in The

786

00:36:06,548 --> 00:36:10,960
Australian skeptic well no you know what

787

00:36:08,469 --> 00:36:12,730
I hadn't read your article right all but

788

00:36:10,960 --> 00:36:16,150
I had already been approached by another

789

00:36:12,730 --> 00:36:18,909
very good friend of mine who is a

790

00:36:16,150 --> 00:36:21,579
businessman a very smart businessman bun

791

00:36:18,909 --> 00:36:22,808
but he also was wearing one and I said

792

00:36:21,579 --> 00:36:24,369
what are you wearing that for he said

793

00:36:22,809 --> 00:36:27,400
because it's improved my golf swing no

794

00:36:24,369 --> 00:36:28,990
end yeah so that right yeah I was in the

795

00:36:27,400 --> 00:36:30,730
whole world wearing one tell us what's

796

00:36:28,989 --> 00:36:32,798
behind on well it's called Power Balance

797

00:36:30,730 --> 00:36:34,769
the ones that you're talking about Glen

798

00:36:32,798 --> 00:36:37,960
and it was advertised on Today Tonight

799

00:36:34,768 --> 00:36:40,000

about a few months back actually where

800

00:36:37,960 --> 00:36:41,949

they did a story showing that it can

801

00:36:40,000 --> 00:36:44,650

increase your flexibility and your

802

00:36:41,949 --> 00:36:46,598

balance apparently and you're right it

803

00:36:44,650 --> 00:36:49,000

is \$60 and what it is it's a piece of

804

00:36:46,599 --> 00:36:51,220

sort of rubber like those sort of

805

00:36:49,000 --> 00:36:52,539

charity bracelets by now you know those

806

00:36:51,219 --> 00:36:55,209

sort of things but it's embedded with a

807

00:36:52,539 --> 00:36:57,190

hologram now this hologram is supposed

808

00:36:55,210 --> 00:36:59,949

to align your energies and then allow

809

00:36:57,190 --> 00:37:01,778

you to become better at golf or better

810

00:36:59,949 --> 00:37:03,939

at swimming so actually a lot of

811

00:37:01,778 --> 00:37:05,650

athletes tend to wear them and that's

812

00:37:03,940 --> 00:37:07,630

how they are promoted by Power Balance

813
00:37:05,650 --> 00:37:09,789
is that you know so-and-so who won the

814
00:37:07,630 --> 00:37:11,440
the world record in the Olympic Games

815
00:37:09,789 --> 00:37:13,180
wore one so they must work so they

816
00:37:11,440 --> 00:37:15,759
actually promoted at that level do they

817
00:37:13,179 --> 00:37:18,308
oh yeah absolutely yeah yeah they have a

818
00:37:15,759 --> 00:37:22,059
lot of presence on Facebook where they

819
00:37:18,309 --> 00:37:24,160
have a lot of pushing of that yeah top

820
00:37:22,059 --> 00:37:26,230
athletes wear them yeah but my question

821
00:37:24,159 --> 00:37:28,389
is how do they how do they support the

822
00:37:26,230 --> 00:37:29,949
theory that this hologram to me is just

823
00:37:28,389 --> 00:37:32,170
an absolute crock

824
00:37:29,949 --> 00:37:34,088
well Richard Saunders who is usually

825
00:37:32,170 --> 00:37:35,829
here - he's not in tonight but he in

826
00:37:34,088 --> 00:37:38,078
fact did a follow-up story on Today

827

00:37:35,829 --> 00:37:40,028
Tonight where he rang up the producers

828
00:37:38,079 --> 00:37:42,160
and he said look what you've just shown

829
00:37:40,028 --> 00:37:44,619
is complete nonsense as you're saying

830
00:37:42,159 --> 00:37:46,690
and he went over to Adelaide to do a

831
00:37:44,619 --> 00:37:49,210
test and he did five tests

832
00:37:46,690 --> 00:37:50,920
err he used it also comes as sort of

833
00:37:49,210 --> 00:37:52,829
like a business card as well you don't

834
00:37:50,920 --> 00:37:55,420
have to have it as a bracelet so he took

835
00:37:52,829 --> 00:37:57,220
the actual Power Balance card and then

836
00:37:55,420 --> 00:37:59,500
he took a business card and he went over

837
00:37:57,219 --> 00:38:01,779
to do this with Tom O'Dowd who is the

838
00:37:59,500 --> 00:38:03,338
fellow who has the Australian rights to

839
00:38:01,780 --> 00:38:04,869
sell that's right yeah he's that he's

840
00:38:03,338 --> 00:38:07,119
the man that distributes it in Australia

841
00:38:04,869 --> 00:38:09,309

so he put Tom O'Dowd to the test with

842

00:38:07,119 --> 00:38:11,200

just a normal business card or a Power

843

00:38:09,309 --> 00:38:13,539

Balance card and when that test was

844

00:38:11,199 --> 00:38:15,519

blinded which means that neither the

845

00:38:13,539 --> 00:38:18,009

participants or Tom knew who had the

846

00:38:15,519 --> 00:38:18,519

power balance card it failed every

847

00:38:18,010 --> 00:38:20,349

single time

848

00:38:18,519 --> 00:38:21,940

there was six my recall of the story was

849

00:38:20,349 --> 00:38:24,789

that there were six candidates selected

850

00:38:21,940 --> 00:38:27,159

that's right yes on each occasion the

851

00:38:24,789 --> 00:38:29,380

the test failed yes and on each occasion

852

00:38:27,159 --> 00:38:31,389

Richard said to Tom Oh doubt are you

853

00:38:29,380 --> 00:38:34,269

happy with this person you've selected

854

00:38:31,389 --> 00:38:36,219

that's right yes he did he did say yes

855

00:38:34,269 --> 00:38:39,338

he said yes before and then he said yes

856
00:38:36,219 --> 00:38:41,318
after but I'm it's the way that it works

857
00:38:39,338 --> 00:38:44,190
is it's a process called applied

858
00:38:41,318 --> 00:38:46,869
kinesiology and this is where if

859
00:38:44,190 --> 00:38:48,909
listeners have seen the segment but what

860
00:38:46,869 --> 00:38:51,579
happens is if you say for example extend

861
00:38:48,909 --> 00:38:54,639
your arm out to your side completely and

862
00:38:51,579 --> 00:38:56,170
then you wear the bracelet the person

863
00:38:54,639 --> 00:38:57,670
who's testing you will push on your arm

864
00:38:56,170 --> 00:38:59,769
and without the bracelet they'll be able

865
00:38:57,670 --> 00:39:01,930
to push you over but with the bracelet

866
00:38:59,769 --> 00:39:03,280
you should be able to be stronger now

867
00:39:01,929 --> 00:39:05,529
it's really quite simple the way it's

868
00:39:03,280 --> 00:39:06,970
done and in fact Richard and I do a show

869
00:39:05,530 --> 00:39:08,319
for children called mystery

870
00:39:06,969 --> 00:39:10,389
investigators and we've just started

871
00:39:08,318 --> 00:39:12,759
using it in our show and it's really

872
00:39:10,389 --> 00:39:15,250
about physics in a sense and in the

873
00:39:12,760 --> 00:39:17,200
centre of your balance so it's it's a

874
00:39:15,250 --> 00:39:18,969
very very subtle effect but if you just

875
00:39:17,199 --> 00:39:21,068
slightly change the position of the way

876
00:39:18,969 --> 00:39:24,338
you put your weight onto somebody you

877
00:39:21,068 --> 00:39:26,739
can actually push them over or if you

878
00:39:24,338 --> 00:39:28,239
don't they can maintain strength and you

879
00:39:26,739 --> 00:39:30,129
can say well it's the bracelet that did

880
00:39:28,239 --> 00:39:31,299
it but Chrissie I think knows a little

881
00:39:30,130 --> 00:39:33,460
bit about that too don't you Chrissie

882
00:39:31,300 --> 00:39:35,710
yeah I mean the problem here is that if

883
00:39:33,460 --> 00:39:38,530
you have this experience of this thing

884

00:39:35,710 --> 00:39:40,210
working or seeming to work then that's a

885
00:39:38,530 --> 00:39:42,040
that's going to have a very powerful

886
00:39:40,210 --> 00:39:44,019
impact on you and you'll go away

887
00:39:42,039 --> 00:39:46,239
believing that this thing does work so

888
00:39:44,019 --> 00:39:48,608
Chrissie dare I say placebo effect oh

889
00:39:46,239 --> 00:39:50,858
absolutely but not just a perceiver

890
00:39:48,608 --> 00:39:53,078
effect oh you get this sort of stuff at

891
00:39:50,858 --> 00:39:55,059
psychic fairs and mind-body-spirit

892
00:39:53,079 --> 00:39:57,130
festival type things where people go

893
00:39:55,059 --> 00:39:59,170
along and they've all they already go

894
00:39:57,130 --> 00:40:00,660
along armed with the idea or the belief

895
00:39:59,170 --> 00:40:03,630
that this stuff works

896
00:40:00,659 --> 00:40:06,000
or the desire to be convinced that it

897
00:40:03,630 --> 00:40:07,829
works so you're already halfway there to

898
00:40:06,000 --> 00:40:09,929

believing so they go along they have

899

00:40:07,829 --> 00:40:13,170

this demonstration and it seems to work

900

00:40:09,929 --> 00:40:14,940

and they're convinced so really it

901

00:40:13,170 --> 00:40:17,039

doesn't take very much evidence to

902

00:40:14,940 --> 00:40:19,588

convince someone that this sort of stuff

903

00:40:17,039 --> 00:40:21,480

works because they want to believe and

904

00:40:19,588 --> 00:40:23,608

that's very very powerful for a lot of

905

00:40:21,480 --> 00:40:25,289

people and also Glenn you know with

906

00:40:23,608 --> 00:40:27,750

Power Balance for example their

907

00:40:25,289 --> 00:40:29,609

testimonials are coming from people that

908

00:40:27,750 --> 00:40:32,849

are very successful and high-powered

909

00:40:29,608 --> 00:40:35,788

like you know famous swimmers or famous

910

00:40:32,849 --> 00:40:37,559

sports people so that is very convincing

911

00:40:35,789 --> 00:40:40,950

to people to if you hear that say

912

00:40:37,559 --> 00:40:43,019

someone who is very well respected is

913
00:40:40,949 --> 00:40:45,118
wearing it and says it works well that's

914
00:40:43,019 --> 00:40:47,099
going to help convince you and they also

915
00:40:45,119 --> 00:40:49,769
do some pretty tricky stuff here with

916
00:40:47,099 --> 00:40:51,420
science words so you notice I mentioned

917
00:40:49,769 --> 00:40:54,568
there's a hologram embedded in this

918
00:40:51,420 --> 00:40:56,909
bracelet well they talked about energies

919
00:40:54,568 --> 00:40:58,469
and aligning energies and influencing

920
00:40:56,909 --> 00:41:01,230
everything on the pack that it comes

921
00:40:58,469 --> 00:41:02,879
with and I really just I laughed well

922
00:41:01,230 --> 00:41:04,380
I'm a scientist as you know and that

923
00:41:02,880 --> 00:41:06,028
doesn't make any sense to me

924
00:41:04,380 --> 00:41:08,818
scientifically but if you don't

925
00:41:06,028 --> 00:41:10,710
understand science it can sound science

926
00:41:08,818 --> 00:41:12,960
If you like and that sort of lends it

927
00:41:10,710 --> 00:41:14,429
legitimacy well it's very seductive I

928
00:41:12,960 --> 00:41:16,889
mean any kind of pseudo scientific

929
00:41:14,429 --> 00:41:18,358
claptrap is going to is going to seduce

930
00:41:16,889 --> 00:41:20,219
people into believing that there's some

931
00:41:18,358 --> 00:41:23,699
kind of credibility behind it

932
00:41:20,219 --> 00:41:27,209
it's it but it's like you know we know

933
00:41:23,699 --> 00:41:29,368
with the the TGA that they have to if

934
00:41:27,210 --> 00:41:30,900
you're if you're saying that a medicine

935
00:41:29,369 --> 00:41:33,420
for example is going to do something or

936
00:41:30,900 --> 00:41:34,710
if some special mix is going to do

937
00:41:33,420 --> 00:41:37,108
something then it has to be proven that

938
00:41:34,710 --> 00:41:38,730
it can do something why is it that this

939
00:41:37,108 --> 00:41:41,578
particular product the power balance

940
00:41:38,730 --> 00:41:43,048
wristband and I quote here from the

941

00:41:41,579 --> 00:41:44,430
website which is in your magazine it

942
00:41:43,048 --> 00:41:45,659
says how does it work most everything

943
00:41:44,429 --> 00:41:47,429
has a frequencies what you're referring

944
00:41:45,659 --> 00:41:49,199
to right yeah how does it work most

945
00:41:47,429 --> 00:41:51,509
everything has a frequency inherent to

946
00:41:49,199 --> 00:41:52,980
it some frequencies react positively

947
00:41:51,510 --> 00:41:54,900
with your body and others negatively

948
00:41:52,980 --> 00:41:57,059
when the hologram comes into contact

949
00:41:54,900 --> 00:41:58,769
with your body's energy field it allows

950
00:41:57,059 --> 00:42:00,539
your body to interact with the natural

951
00:41:58,769 --> 00:42:03,059
beneficial frequency stored within the

952
00:42:00,539 --> 00:42:05,539
hologram this results in improved energy

953
00:42:03,059 --> 00:42:09,960
flow throughout your body

954
00:42:05,539 --> 00:42:11,450
that's just gobbledygook isn't it I was

955
00:42:09,960 --> 00:42:14,449

losing the will to live just

956

00:42:11,449 --> 00:42:15,859

sorry but you know we like to think of

957

00:42:14,449 --> 00:42:17,809

it as this Glenn we like to think of

958

00:42:15,860 --> 00:42:19,670

taking scientific words and pulling them

959

00:42:17,809 --> 00:42:21,259

into a hatch and then pulling them out

960

00:42:19,670 --> 00:42:22,820

at random and just putting them on the

961

00:42:21,260 --> 00:42:24,590

page because that's what that sounds

962

00:42:22,820 --> 00:42:26,780

like to me as a scientist it makes no

963

00:42:24,590 --> 00:42:28,579

sense at all but people want to believe

964

00:42:26,780 --> 00:42:31,010

in this stuff I want to believe that

965

00:42:28,579 --> 00:42:32,779

little granite pendants will make them

966

00:42:31,010 --> 00:42:35,660

sexier and better-looking and all the

967

00:42:32,780 --> 00:42:38,450

rest of it little armbands will enhance

968

00:42:35,659 --> 00:42:41,000

their their prowess and blah blah blah

969

00:42:38,449 --> 00:42:43,489

but you know it's inherent in man to

970
00:42:41,000 --> 00:42:45,889
believe in these sort of things and it's

971
00:42:43,489 --> 00:42:47,539
when it comes down to \$60 a pop that you

972
00:42:45,889 --> 00:42:48,949
have to wonder about the ethics of

973
00:42:47,539 --> 00:42:51,500
someone's selling it when they know it

974
00:42:48,949 --> 00:42:53,839
doesn't do anything yeah yeah but you

975
00:42:51,500 --> 00:42:56,329
know buyer beware I suppose and as I

976
00:42:53,840 --> 00:42:58,100
said to my mate at the gym but you know

977
00:42:56,329 --> 00:42:59,840
he was still convinced that it was he

978
00:42:58,099 --> 00:43:01,069
said look I've just tested it on and

979
00:42:59,840 --> 00:43:03,620
needed a couple of people in the gym

980
00:43:01,070 --> 00:43:04,910
just random type stuff and yes they're a

981
00:43:03,619 --> 00:43:07,190
bit wobbly at first and then they

982
00:43:04,909 --> 00:43:08,809
weren't so wobbly and exactly as you

983
00:43:07,190 --> 00:43:10,519
just said Chris yes a bang that there's

984
00:43:08,809 --> 00:43:12,619
a psyche thing going on here there's

985
00:43:10,519 --> 00:43:13,969
people wanting to believe that it's

986
00:43:12,619 --> 00:43:15,500
actually doing something for more

987
00:43:13,969 --> 00:43:17,000
they're resisting more the second time

988
00:43:15,500 --> 00:43:18,409
around or whatever it is it's just down

989
00:43:17,000 --> 00:43:19,940
to suggestion yeah

990
00:43:18,409 --> 00:43:21,710
yeah you should never underestimate the

991
00:43:19,940 --> 00:43:22,909
power anyway no one has been able to

992
00:43:21,710 --> 00:43:24,590
prove there's any sort of science behind

993
00:43:22,909 --> 00:43:26,599
it and of course there's no science

994
00:43:24,590 --> 00:43:29,539
behind it and if there was they'd be

995
00:43:26,599 --> 00:43:30,980
happy to take up the skeptics challenge

996
00:43:29,539 --> 00:43:33,380
you have a thousand dollars you can come

997
00:43:30,980 --> 00:43:34,789
to us and we will test you using a

998

00:43:33,380 --> 00:43:36,650
scientific test and if you can prove

999
00:43:34,789 --> 00:43:38,480
that it works we give you a hundred

1000
00:43:36,650 --> 00:43:39,650
thousand and I should mention Glenn we

1001
00:43:38,480 --> 00:43:42,079
also have a twenty thousand dollar

1002
00:43:39,650 --> 00:43:43,789
spotters fee so if anyone out there

1003
00:43:42,079 --> 00:43:45,769
knows of someone who might want to sit

1004
00:43:43,789 --> 00:43:47,210
our test and they can get them to come

1005
00:43:45,769 --> 00:43:49,730
and participate they can get twenty

1006
00:43:47,210 --> 00:43:50,720
thousand dollars - okay all right so

1007
00:43:49,730 --> 00:43:53,000
there we are if there's something that's

1008
00:43:50,719 --> 00:43:54,829
that you think is worthwhile checking

1009
00:43:53,000 --> 00:43:56,840
out then you could get the spotters fee

1010
00:43:54,829 --> 00:43:59,000
of 20 grand and if if indeed you've got

1011
00:43:56,840 --> 00:44:00,320
something like the the power risk

1012
00:43:59,000 --> 00:44:02,000

balance thing or whatever and you want

1013

00:44:00,320 --> 00:44:03,230

to prove the skeptics wrong you could

1014

00:44:02,000 --> 00:44:05,150

pocket a hundred thousand dollars what

1015

00:44:03,230 --> 00:44:07,250

else have we got but what about the the

1016

00:44:05,150 --> 00:44:09,740

UF UF o-- though apparently I was away

1017

00:44:07,250 --> 00:44:11,750

this week but now a UFO seen here in

1018

00:44:09,739 --> 00:44:14,149

Sydney there was Glenn last week there

1019

00:44:11,750 --> 00:44:17,360

was a UFO in fact there was photographic

1020

00:44:14,150 --> 00:44:20,480

evidence of a UFO in Chipping Norton it

1021

00:44:17,360 --> 00:44:22,760

was taken by a lady at sunset and she

1022

00:44:20,480 --> 00:44:24,230

aimed her iPhone towards the sunset and

1023

00:44:22,760 --> 00:44:24,890

then when she looked at the photo she

1024

00:44:24,230 --> 00:44:28,010

saw this

1025

00:44:24,889 --> 00:44:32,239

blurry black spots in the middle of the

1026

00:44:28,010 --> 00:44:34,250

sunset and she said that it sort of

1027
00:44:32,239 --> 00:44:36,109
moved into the center of the image and

1028
00:44:34,250 --> 00:44:39,260
then it moved away very quickly and

1029
00:44:36,110 --> 00:44:41,390
silently which often UFOs do and she was

1030
00:44:39,260 --> 00:44:43,210
certain that it was an unidentified

1031
00:44:41,389 --> 00:44:46,369
flying object of possibly alien

1032
00:44:43,210 --> 00:44:48,349
description we just had a look at the

1033
00:44:46,369 --> 00:44:51,380
photos before Chrissy and what was your

1034
00:44:48,349 --> 00:44:53,989
impression of other yeah well if if the

1035
00:44:51,380 --> 00:44:56,030
perspective is correct this thing should

1036
00:44:53,989 --> 00:44:57,439
have been huge I mean it you should just

1037
00:44:56,030 --> 00:44:59,300
about have been able to see the little

1038
00:44:57,440 --> 00:45:01,250
green men in the in the front of the

1039
00:44:59,300 --> 00:45:04,160
cockpit I mean we should have been huge

1040
00:45:01,250 --> 00:45:06,289
I mean could have been anything it to me

1041
00:45:04,159 --> 00:45:08,539
it looks like it might well have been a

1042
00:45:06,289 --> 00:45:10,670
weather balloon something like that but

1043
00:45:08,539 --> 00:45:12,529
apparently she was the only person who

1044
00:45:10,670 --> 00:45:14,090
saw it I mean I don't know how big

1045
00:45:12,530 --> 00:45:16,340
Chipping Norton is but presumably if

1046
00:45:14,090 --> 00:45:18,590
there was this enormous spaceship

1047
00:45:16,340 --> 00:45:20,840
floating around shipping lore you'd

1048
00:45:18,590 --> 00:45:22,700
think someone else might just have

1049
00:45:20,840 --> 00:45:24,620
spotted it well if anyone has seen that

1050
00:45:22,699 --> 00:45:26,689
television show called V in the very

1051
00:45:24,619 --> 00:45:28,819
first episode they show these huge ships

1052
00:45:26,690 --> 00:45:31,099
that fly over and sort of sit on the top

1053
00:45:28,820 --> 00:45:33,650
of the major cities and from the photo

1054
00:45:31,099 --> 00:45:35,599
that we saw in the newspaper it looks

1055

00:45:33,650 --> 00:45:38,450
like it would be that size like to cover

1056
00:45:35,599 --> 00:45:40,369
maybe the most of the CBD so I'm

1057
00:45:38,449 --> 00:45:43,579
surprised to Chrissy that only one

1058
00:45:40,369 --> 00:45:45,559
person reported it and saw it so but did

1059
00:45:43,579 --> 00:45:48,590
you know Glenn that there there is a UFO

1060
00:45:45,559 --> 00:45:50,840
research sort of reporting agency in New

1061
00:45:48,590 --> 00:45:51,980
South Wales oh yeah don't tell me it's

1062
00:45:50,840 --> 00:45:54,890
government-funded as well I'll be

1063
00:45:51,980 --> 00:45:58,389
horrible I don't know but they they say

1064
00:45:54,889 --> 00:46:00,799
that they get between 1,000 and 1,500

1065
00:45:58,389 --> 00:46:02,659
reports of sightings in Australia every

1066
00:46:00,800 --> 00:46:04,640
year of your face but once again I

1067
00:46:02,659 --> 00:46:05,659
suppose at all it's all subjectivism if

1068
00:46:04,639 --> 00:46:08,929
there are people out there that probably

1069
00:46:05,659 --> 00:46:10,789

want to see UFOs well UFO simply means

1070

00:46:08,929 --> 00:46:11,929

unidentified flying object it could be

1071

00:46:10,789 --> 00:46:13,820

something that you just can't identify

1072

00:46:11,929 --> 00:46:16,609

what it is it doesn't necessarily mean

1073

00:46:13,820 --> 00:46:18,620

that there's an alien spaceship up there

1074

00:46:16,610 --> 00:46:20,630

it could be anything it could be

1075

00:46:18,619 --> 00:46:21,859

reflections of light spots on the winds

1076

00:46:20,630 --> 00:46:23,930

I think it was a spot on the wind

1077

00:46:21,860 --> 00:46:25,550

screaming well yeah in the news article

1078

00:46:23,929 --> 00:46:27,649

they said skeptics are going to say that

1079

00:46:25,550 --> 00:46:29,840

it's a speck of dust either on the

1080

00:46:27,650 --> 00:46:31,940

windscreen or on the camera and I'm

1081

00:46:29,840 --> 00:46:33,320

tending towards that myself

1082

00:46:31,940 --> 00:46:35,780

see a lot of this stuff can be beaten up

1083

00:46:33,320 --> 00:46:37,880

into a story though that's ok oh yeah

1084
00:46:35,780 --> 00:46:39,860
people can choose exciting people want

1085
00:46:37,880 --> 00:46:41,390
to believe it exactly right I mean one

1086
00:46:39,860 --> 00:46:42,829
of the reasons why I like em you guys on

1087
00:46:41,389 --> 00:46:44,779
here is because it just throws that

1088
00:46:42,829 --> 00:46:46,219
element of you know question Orcas

1089
00:46:44,780 --> 00:46:47,900
question stuff okay

1090
00:46:46,219 --> 00:46:49,879
questioner don't take it as read all the

1091
00:46:47,900 --> 00:46:51,200
time and that just goes not just for

1092
00:46:49,880 --> 00:46:52,220
what these sorts of things are we're

1093
00:46:51,199 --> 00:46:53,629
talking about that case for everything

1094
00:46:52,219 --> 00:46:56,779
that goes for news articles food with

1095
00:46:53,630 --> 00:46:58,369
the media have we work in the media

1096
00:46:56,780 --> 00:47:00,710
media have agenda sometimes that they

1097
00:46:58,369 --> 00:47:02,690
want to push Stephanie I might say is on

1098
00:47:00,710 --> 00:47:03,920
email Stephanie from Canon just entered

1099
00:47:02,690 --> 00:47:05,570
Lima and I think maybe has

1100
00:47:03,920 --> 00:47:07,869
misinterpreted what we just discussed in

1101
00:47:05,570 --> 00:47:11,059
relation to the the brisk bracelet

1102
00:47:07,869 --> 00:47:13,309
stephanie says what a lot of something

1103
00:47:11,059 --> 00:47:14,869
obviously I've seen this done in person

1104
00:47:13,309 --> 00:47:17,360
with this product and with at Italian

1105
00:47:14,869 --> 00:47:18,980
product I am a scientist Eddie's BES she

1106
00:47:17,360 --> 00:47:20,450
says people believe what they want to

1107
00:47:18,980 --> 00:47:21,740
believe I yeah I've also seen five out

1108
00:47:20,449 --> 00:47:23,509
of ten people come off balance with the

1109
00:47:21,739 --> 00:47:24,469
product these girls are not talking

1110
00:47:23,510 --> 00:47:25,850
science they're talking hologram

1111
00:47:24,469 --> 00:47:27,230
bracelet gimmick talk people into

1112

00:47:25,849 --> 00:47:28,429
believing girls either but will I know

1113
00:47:27,230 --> 00:47:29,809
the trick behind making people stay

1114
00:47:28,429 --> 00:47:32,149
balanced and unbalanced by but utter

1115
00:47:29,809 --> 00:47:33,409
crap for sixty dollars now I think

1116
00:47:32,150 --> 00:47:39,430
Stephanie you might have misunderstood

1117
00:47:33,409 --> 00:47:43,369
we're not promoting it no no it's Robbie

1118
00:47:39,429 --> 00:47:44,929
don't bother read a book I made a book

1119
00:47:43,369 --> 00:47:47,000
get a rubber band and put that around

1120
00:47:44,929 --> 00:47:48,919
your wrist it's the same and it won't

1121
00:47:47,000 --> 00:47:50,420
cost you as much we're all on the same

1122
00:47:48,920 --> 00:47:51,860
page together we're all in this together

1123
00:47:50,420 --> 00:47:54,019
listen we're gonna write our talk what

1124
00:47:51,860 --> 00:47:56,390
about the was an incident in northern

1125
00:47:54,019 --> 00:47:58,130
Turkey raining yes yes there's an

1126
00:47:56,389 --> 00:47:59,659

isolated Aboriginal community called

1127

00:47:58,130 --> 00:48:02,000

larger man who which is about eight

1128

00:47:59,659 --> 00:48:04,069

hundred KS south of Darwin or twelve

1129

00:48:02,000 --> 00:48:05,960

hundred north of Adelaide so right in

1130

00:48:04,070 --> 00:48:08,450

the middle of nowhere last week they

1131

00:48:05,960 --> 00:48:11,449

reported fish falling from the sky and

1132

00:48:08,449 --> 00:48:13,369

it were photographs again of these fish

1133

00:48:11,449 --> 00:48:16,250

and apparently it happens there about

1134

00:48:13,369 --> 00:48:19,429

every decade so recently there's been

1135

00:48:16,250 --> 00:48:20,900

extensive rains in that area and I spoke

1136

00:48:19,429 --> 00:48:23,599

to a guy who actually lives in that area

1137

00:48:20,900 --> 00:48:25,639

a couple of days ago and his theory was

1138

00:48:23,599 --> 00:48:27,829

not that they actually rained from the

1139

00:48:25,639 --> 00:48:31,279

sky you know from the heavens or was

1140

00:48:27,829 --> 00:48:33,440

some sort of you know supernatural sort

1141
00:48:31,280 --> 00:48:35,150
of event his theory was that there's

1142
00:48:33,440 --> 00:48:36,590
things called worldly well is that most

1143
00:48:35,150 --> 00:48:38,420
of us would be familiar with it might

1144
00:48:36,590 --> 00:48:39,860
have picked up some of these flooding

1145
00:48:38,420 --> 00:48:41,930
water that could have had some fish in

1146
00:48:39,860 --> 00:48:44,030
it and soils it up take something yeah

1147
00:48:41,929 --> 00:48:45,409
and then drops it down again yeah that's

1148
00:48:44,030 --> 00:48:46,850
been going to happen they don't travel

1149
00:48:45,409 --> 00:48:48,199
very far so it couldn't have come from

1150
00:48:46,849 --> 00:48:49,699
the coast but it might have come from

1151
00:48:48,199 --> 00:48:52,939
some recent flooding

1152
00:48:49,699 --> 00:48:54,889
okay yeah but but definitely not fish

1153
00:48:52,940 --> 00:48:56,389
just falling out of the sky yeah well

1154
00:48:54,889 --> 00:48:58,519
there's no video of that either I'm

1155
00:48:56,389 --> 00:49:00,409
Glenn because this area is well actually

1156
00:48:58,519 --> 00:49:02,599
it's a it's an aboriginal settlement

1157
00:49:00,409 --> 00:49:04,849
there's not much technology apparently

1158
00:49:02,599 --> 00:49:06,559
there's spotty mobile coverage and stuff

1159
00:49:04,849 --> 00:49:07,940
too but there's no evidence once again

1160
00:49:06,559 --> 00:49:08,239
to use chris's line it makes for a good

1161
00:49:07,940 --> 00:49:10,519
story

1162
00:49:08,239 --> 00:49:12,919
yep yep absolutely much more fun there's

1163
00:49:10,519 --> 00:49:15,320
something but some boring story about it

1164
00:49:12,920 --> 00:49:17,599
not happening wouldn't be great if your

1165
00:49:15,320 --> 00:49:18,860
brain fish ever

1166
00:49:17,599 --> 00:49:21,049
oh it just depends what you want to

1167
00:49:18,860 --> 00:49:22,730
believe really a Twitter I see you

1168
00:49:21,050 --> 00:49:25,460
recently won yourself a little Ward for

1169

00:49:22,730 --> 00:49:28,250
rambling metric Twitter I did I won a

1170
00:49:25,460 --> 00:49:30,460
shorty award which is a sort of like the

1171
00:49:28,250 --> 00:49:32,869
Twitter Oscars Glenn in New York City

1172
00:49:30,460 --> 00:49:34,670
and I won for the health category so

1173
00:49:32,869 --> 00:49:36,019
that was for being the most interesting

1174
00:49:34,670 --> 00:49:37,940
person in the health category for the

1175
00:49:36,019 --> 00:49:40,340
last 12 months now I wanted to have a

1176
00:49:37,940 --> 00:49:40,970
word with you I'm following you on

1177
00:49:40,340 --> 00:49:42,980
Twitter

1178
00:49:40,969 --> 00:49:45,439
you never tweet now you keep follow me

1179
00:49:42,980 --> 00:49:47,210
baby along with the other along with the

1180
00:49:45,440 --> 00:49:49,460
other however many hundreds or thousands

1181
00:49:47,210 --> 00:49:51,139
of following me I get I get update every

1182
00:49:49,460 --> 00:49:52,970
every day from people following me on

1183
00:49:51,139 --> 00:49:53,960

Twitter and I keep looking behind me to

1184

00:49:52,969 --> 00:49:56,059

say where are these people that are

1185

00:49:53,960 --> 00:49:58,220

following okay yeah because I think you

1186

00:49:56,059 --> 00:49:59,750

put out one tweet saying I've now joined

1187

00:49:58,219 --> 00:50:01,429

Twitter and then that's about it have

1188

00:49:59,750 --> 00:50:03,110

you tweeted at all I have to I have to

1189

00:50:01,429 --> 00:50:05,029

write an article for virgin booze

1190

00:50:03,110 --> 00:50:06,700

in-flight magazine Boyer

1191

00:50:05,030 --> 00:50:08,930

alright they wanted me to Twitter and

1192

00:50:06,699 --> 00:50:11,000

that was the experience that I had that

1193

00:50:08,929 --> 00:50:12,829

I had to have and that's it okay I'm

1194

00:50:11,000 --> 00:50:14,030

Twitter it out really you don't want to

1195

00:50:12,829 --> 00:50:16,429

know about what goes on in my life

1196

00:50:14,030 --> 00:50:18,230

Rachel truly well I don't know I'm

1197

00:50:16,429 --> 00:50:19,849

following you I want to know just I'm

1198
00:50:18,230 --> 00:50:21,490
going to unfollow you now you realize

1199
00:50:19,849 --> 00:50:23,779
that don't you you're wasting your time

1200
00:50:21,489 --> 00:50:25,609
I'm telling you now save yourself the

1201
00:50:23,780 --> 00:50:27,440
breath girl thank you for coming and

1202
00:50:25,610 --> 00:50:28,640
thank you for clearing up another few

1203
00:50:27,440 --> 00:50:30,200
were all throwing some light should I

1204
00:50:28,639 --> 00:50:33,319
sound a few more little interesting

1205
00:50:30,199 --> 00:50:35,449
facts or shall I say fictions of more

1206
00:50:33,320 --> 00:50:40,440
you're welcome anytime and please for

1207
00:50:35,449 --> 00:50:46,618
more information go to WWE my you

1208
00:50:40,440 --> 00:50:46,619
[Music]

1209
00:50:49,679 --> 00:50:53,710
today is dr. Karl Karl Chris let's keep

1210
00:50:52,269 --> 00:50:55,900
proud to be a skeptic and you can find

1211
00:50:53,710 --> 00:50:59,460
out more about me at dr. Karl calm and

1212
00:50:55,900 --> 00:50:59,460
get lots of free stuff there as well

1213
00:51:00,900 --> 00:51:09,989
[Music]

1214
00:51:14,858 --> 00:51:20,000
thank you for listening to the skeptic

1215
00:51:17,210 --> 00:51:23,240
zone now in this week's show notes I'll

1216
00:51:20,000 --> 00:51:26,090
add a link to my latest appearance on

1217
00:51:23,239 --> 00:51:27,858
Sydney radio just the other night and in

1218
00:51:26,090 --> 00:51:30,230
fact that went all over Australia that's

1219
00:51:27,858 --> 00:51:33,699
syndicated which is fun and I talk to

1220
00:51:30,230 --> 00:51:35,900
host Mike Williams about cold reading a

1221
00:51:33,699 --> 00:51:38,868
15-minute chat to Mike Williams about

1222
00:51:35,900 --> 00:51:40,280
the psychic tricks of cold reading and

1223
00:51:38,869 --> 00:51:41,780
I'll just add a link there in the show

1224
00:51:40,280 --> 00:51:45,050
notes if you click on that you go

1225
00:51:41,780 --> 00:51:47,960
straight to the archive page if you if

1226

00:51:45,050 --> 00:51:50,450
you weren't listening if you didn't

1227
00:51:47,960 --> 00:51:52,608
happen to listen at 4:00 a.m. or 5:00

1228
00:51:50,449 --> 00:51:55,519
a.m. I'm not sure when it was it was

1229
00:51:52,608 --> 00:51:57,858
very early you can catch up on on that

1230
00:51:55,519 --> 00:52:01,280
appearance a big thank you to the raw

1231
00:51:57,858 --> 00:52:04,219
skeptical Heidi Robinson for her very ah

1232
00:52:01,280 --> 00:52:06,710
thought-provoking report this week nice

1233
00:52:04,219 --> 00:52:09,589
one Heidi you make an excellent point

1234
00:52:06,710 --> 00:52:11,539
coming up on the next skeptical zone I

1235
00:52:09,590 --> 00:52:14,990
don't know I might chat to somebody up

1236
00:52:11,539 --> 00:52:16,820
in Queensland on the Gold Coast and to

1237
00:52:14,989 --> 00:52:19,429
do with the Gold Coast

1238
00:52:16,820 --> 00:52:21,019
skeptics this is interesting the Gold

1239
00:52:19,429 --> 00:52:23,809
Coast skeptics of course have been going

1240
00:52:21,019 --> 00:52:26,358

for a very long time there's been a bit

1241

00:52:23,809 --> 00:52:27,829

of a handing over the baton up there so

1242

00:52:26,358 --> 00:52:29,869

we might catch up with the Gold Coast

1243

00:52:27,829 --> 00:52:32,088

and see what's going on the Gold Coast

1244

00:52:29,869 --> 00:52:34,160

for those of you who don't know is a yum

1245

00:52:32,088 --> 00:52:37,460

what is what do you want to call it a

1246

00:52:34,159 --> 00:52:41,118

tourist mecca gold and beaches and sand

1247

00:52:37,460 --> 00:52:43,280

and dolphins and that's sort of that

1248

00:52:41,119 --> 00:52:46,338

sort of thing famous for parties and

1249

00:52:43,280 --> 00:52:48,619

vacations but for this week with my

1250

00:52:46,338 --> 00:52:52,759

fidget spinner on the desk here let me

1251

00:52:48,619 --> 00:52:56,358

go there we go let's got the attention

1252

00:52:52,760 --> 00:52:59,000

of Henrietta now are you going to do

1253

00:52:56,358 --> 00:53:00,679

something about that he's just looking

1254

00:52:59,000 --> 00:53:02,829

at it while Henrietta looks at the

1255
00:53:00,679 --> 00:53:06,199
fidget spinner this is Richard Saunders

1256
00:53:02,829 --> 00:53:09,009
then after that signing off from Sydney

1257
00:53:06,199 --> 00:53:09,009
Australia

1258
00:53:11,159 --> 00:53:17,379
you've been listening to the skeptic

1259
00:53:13,570 --> 00:53:20,289
zone podcast visit our website at WWF

1260
00:53:17,380 --> 00:53:23,950
Tech zone TV for contacts an archive of

1261
00:53:20,289 --> 00:53:26,860
all episodes since 2008 and our online

1262
00:53:23,949 --> 00:53:29,579
store please support the skeptic zone by

1263
00:53:26,860 --> 00:53:32,590
following us on Twitter at skeptic zone

1264
00:53:29,579 --> 00:53:35,619
liking us on Facebook and leaving a

1265
00:53:32,590 --> 00:53:38,500
review on iTunes you can also show your

1266
00:53:35,619 --> 00:53:41,980
support by subscribing via PayPal for as

1267
00:53:38,500 --> 00:53:44,320
little as 99 cents a week the skeptic

1268
00:53:41,980 --> 00:53:46,119
zone is an independent production the

1269

00:53:44,320 --> 00:53:48,250

views and opinions expressed on the

1270

00:53:46,119 --> 00:53:50,789

skeptic zone and not necessarily those

1271

00:53:48,250 --> 00:53:54,599

of Australian skeptic tea or any other

1272

00:53:50,789 --> 00:53:54,599

skeptical organisation