

1
00:00:05,950 --> 00:00:13,690
welcome to the skeptic zone the podcast

2
00:00:09,109 --> 00:00:13,689
from Australia for science and reason

3
00:00:23,510 --> 00:00:30,330
hello and welcome to the skeptic zone

4
00:00:26,460 --> 00:00:33,840
episode number 287 for the 20th of april

5
00:00:30,329 --> 00:00:38,280
2014 Richard Saunders here with you in

6
00:00:33,840 --> 00:00:41,010
Sydney Australia full to the brim of

7
00:00:38,280 --> 00:00:44,179
chocolate Easter eggs and chocolate bars

8
00:00:41,009 --> 00:00:47,308
and chocolate chocolate with some

9
00:00:44,179 --> 00:00:49,829
chocolate it's just that time of the

10
00:00:47,308 --> 00:00:52,049
year folks and when you have nieces and

11
00:00:49,829 --> 00:00:55,829
nephews who are mad keen on Easter egg

12
00:00:52,049 --> 00:00:58,349
hunts well I mean you've got it well you

13
00:00:55,829 --> 00:01:02,450
know play the part and be a good uncle

14
00:00:58,350 --> 00:01:05,040
grant good uncle and eat lots of

15
00:01:02,450 --> 00:01:06,750
chocolate but putting aside the

16
00:01:05,040 --> 00:01:08,940
chocolate for one moment what's coming

17
00:01:06,750 --> 00:01:11,340
up on this week's episode of the skeptic

18
00:01:08,939 --> 00:01:13,920
zone it's the welcome return of a grain

19
00:01:11,340 --> 00:01:17,368
of salt with a run sir give Iran lucky

20
00:01:13,920 --> 00:01:19,379
Iran was over at QED question explore

21
00:01:17,368 --> 00:01:22,489
discover the wonderful convention in

22
00:01:19,379 --> 00:01:26,280
Manchester and this week to kick off his

23
00:01:22,489 --> 00:01:28,409
season of interviews from QED Iran chats

24
00:01:26,280 --> 00:01:31,200
to Michael Marshall from the Merseyside

25
00:01:28,409 --> 00:01:33,929
skeptics and the relatively new good

26
00:01:31,200 --> 00:01:36,149
thinking website I quite like this

27
00:01:33,929 --> 00:01:38,368
interview it's sort of like a more like

28
00:01:36,149 --> 00:01:41,009
a fireside chat with the Michael

29

00:01:38,368 --> 00:01:43,739
Marshall getting his insights into QED

30
00:01:41,009 --> 00:01:45,450
and other and other adventures after

31
00:01:43,739 --> 00:01:46,890
that it's a week in science from our

32
00:01:45,450 --> 00:01:52,079
friends at the Royal Institution of

33
00:01:46,890 --> 00:01:54,689
Australia w WR i USTA you the place i

34
00:01:52,079 --> 00:01:56,670
keep threatening to visit to visit my

35
00:01:54,689 --> 00:01:59,099
friend dr. Paul Willis who will no doubt

36
00:01:56,670 --> 00:02:01,799
show me his extensive collection of

37
00:01:59,099 --> 00:02:04,950
chocolate and then following that its

38
00:02:01,799 --> 00:02:06,899
evidence please a new segment with Joe

39
00:02:04,950 --> 00:02:09,750
alabaster Joe you remember from last

40
00:02:06,899 --> 00:02:11,939
week's show reading about her success in

41
00:02:09,750 --> 00:02:14,400
getting some homeopathy news taken off

42
00:02:11,939 --> 00:02:16,199
the internet this week Joe reads a

43
00:02:14,400 --> 00:02:18,480

newspaper report on the dangers of

44

00:02:16,199 --> 00:02:20,459

whooping cough and to round off the show

45

00:02:18,479 --> 00:02:23,399

it's an update from our friend dr. besh

46

00:02:20,459 --> 00:02:25,739

Saab who's in all emotes and the Czech

47

00:02:23,400 --> 00:02:29,670

Republic right now attending the film

48

00:02:25,739 --> 00:02:31,289

festival lucky fish lucky guy he's going

49

00:02:29,669 --> 00:02:32,318

to tell us what it was really like to be

50

00:02:31,289 --> 00:02:35,769

in that

51

00:02:32,318 --> 00:02:37,899

Mars simulation mission that would have

52

00:02:35,769 --> 00:02:40,090

been interesting for sure and some more

53

00:02:37,900 --> 00:02:42,310

information about the festival in the

54

00:02:40,090 --> 00:02:43,718

Czech Republic before we get stuck into

55

00:02:42,310 --> 00:02:46,209

this show I've been asked to tell you

56

00:02:43,718 --> 00:02:48,209

about a petition a petition at the

57

00:02:46,209 --> 00:02:50,949

moment take action to improve

58
00:02:48,209 --> 00:02:54,699
vaccination rates across Queensland I

59
00:02:50,949 --> 00:02:57,418
have a link to this petition which is it

60
00:02:54,699 --> 00:03:01,560
change.org on the show notes at ww

61
00:02:57,419 --> 00:03:04,090
skeptics on TV and some news for

62
00:03:01,560 --> 00:03:05,889
sydneysiders Sydney skeptics please come

63
00:03:04,090 --> 00:03:06,989
to the next Australian skeptics dinner

64
00:03:05,889 --> 00:03:09,489
meeting which will be on the

65
00:03:06,989 --> 00:03:11,500
twenty-fourth of May Saturday the 24th

66
00:03:09,489 --> 00:03:13,959
of May at the ride Eastwood's leagues

67
00:03:11,500 --> 00:03:20,468
club and you can find information at ww

68
00:03:13,959 --> 00:03:23,680
skeptics com au all this talk coming up

69
00:03:20,468 --> 00:03:25,870
this talk coming up dr. Cameron Webb

70
00:03:23,680 --> 00:03:28,030
medical entomologist from the University

71
00:03:25,870 --> 00:03:31,239
of Sydney and westmead hospital will

72
00:03:28,030 --> 00:03:32,829
give a fun fascinating end each inducing

73
00:03:31,239 --> 00:03:35,049
presentation on everything you ever

74
00:03:32,829 --> 00:03:37,150
wanted to know and quite a lot you

75
00:03:35,049 --> 00:03:40,840
didn't want to know about insects that

76
00:03:37,150 --> 00:03:42,849
want to drink your blood yes folks we

77
00:03:40,840 --> 00:03:44,620
certainly deliver interesting talks at

78
00:03:42,848 --> 00:03:47,500
history and skeptics dinner meeting

79
00:03:44,620 --> 00:03:49,539
learn about killer mozzies killer

80
00:03:47,500 --> 00:03:51,938
mozzies learn about blood sucking bats

81
00:03:49,539 --> 00:03:56,469
that want to drink your tears after

82
00:03:51,938 --> 00:03:57,818
dinner I hope hmm and discuss whether we

83
00:03:56,469 --> 00:04:02,169
really need to get rid of all our

84
00:03:57,818 --> 00:04:04,438
kangaroos and birds dr. Massey will be

85
00:04:02,169 --> 00:04:07,299
the one to answer all your questions now

86

00:04:04,438 --> 00:04:09,250
dr. Cameron Webb was a guest recently at

87
00:04:07,299 --> 00:04:13,560
skeptics in the pub in Sydney and gave a

88
00:04:09,250 --> 00:04:15,938
fascinating talk about nasty insects and

89
00:04:13,560 --> 00:04:18,129
mosquito type thing so I'm really

90
00:04:15,938 --> 00:04:21,098
looking forward to this dinner if you

91
00:04:18,129 --> 00:04:24,848
want to come along it's Saturday May

92
00:04:21,098 --> 00:04:28,120
twenty-fourth tickets at ww skeptics

93
00:04:24,848 --> 00:04:32,649
calm a you but for now while I run

94
00:04:28,120 --> 00:04:35,079
downstairs open up the fridge and heaven

95
00:04:32,649 --> 00:04:38,079
knows I might even find some chocolate

96
00:04:35,079 --> 00:04:41,370
while I'm doing that I hope you enjoy

97
00:04:38,079 --> 00:04:41,370
the skeptics earn

98
00:04:56,019 --> 00:05:06,560
it'll take this with a grain of salt

99
00:04:58,598 --> 00:05:09,680
he's around second so i'm here with

100
00:05:06,560 --> 00:05:12,408

marsh Michael Marshall was one of the

101

00:05:09,680 --> 00:05:14,389
organizers of QED head organized not

102

00:05:12,408 --> 00:05:16,968
hurt Olga no no hey there's no head over

103

00:05:14,389 --> 00:05:19,218
and over in your head or we are all

104

00:05:16,968 --> 00:05:21,649
equal we are all wrinkles in the QED

105

00:05:19,218 --> 00:05:24,079
world especially now my call isn't it

106

00:05:21,649 --> 00:05:25,549
used to hold this year I think Michael

107

00:05:24,079 --> 00:05:28,278
was probably a head organizer in the

108

00:05:25,550 --> 00:05:29,960
past because whatever Michael does he

109

00:05:28,278 --> 00:05:32,778
tend to be the head at it because he is

110

00:05:29,959 --> 00:05:34,728
the brain you know that man has a brain

111

00:05:32,778 --> 00:05:37,218
and everything goes through his brain

112

00:05:34,728 --> 00:05:38,748
and he's an absolute genius and he sees

113

00:05:37,218 --> 00:05:40,310
details that everybody else misses but

114

00:05:38,749 --> 00:05:43,759
he wasn't involved in quddus yes he'll

115
00:05:40,310 --> 00:05:45,199
so Hollywood so the one of the things

116
00:05:43,759 --> 00:05:47,120
that we discussed just before we started

117
00:05:45,199 --> 00:05:48,588
recording was about the half with the

118
00:05:47,120 --> 00:05:50,658
communication skill so he's not

119
00:05:48,588 --> 00:05:52,728
responsible for that oh god no mics up

120
00:05:50,658 --> 00:05:54,829
no communication skills Christ no no

121
00:05:52,728 --> 00:05:56,688
he's a software developer you know Mike

122
00:05:54,829 --> 00:05:58,878
is the kind of guy who will sit in the

123
00:05:56,689 --> 00:06:00,949
corner of a room for the four first four

124
00:05:58,879 --> 00:06:02,479
or five times that you meet him and then

125
00:06:00,949 --> 00:06:03,710
the sixth time he'll randomly talk to

126
00:06:02,478 --> 00:06:05,750
you like he's known you for 30 years

127
00:06:03,709 --> 00:06:07,549
that's what mike is mike is like which

128
00:06:05,750 --> 00:06:08,838
is great cuz he and the funny thing

129
00:06:07,550 --> 00:06:11,270
about Mike and I mean maybe uh no

130
00:06:08,838 --> 00:06:12,918
lessness the Shah may have heard I was

131
00:06:11,269 --> 00:06:14,448
sure skeptics with a cabinet past we've

132
00:06:12,918 --> 00:06:16,908
certainly an odd which has been running

133
00:06:14,449 --> 00:06:18,319
ads for our Shore for a very very long

134
00:06:16,908 --> 00:06:20,569
time which is which is great and

135
00:06:18,319 --> 00:06:22,399
sometimes we even give a new ad every

136
00:06:20,569 --> 00:06:24,229
every three or four years really like to

137
00:06:22,399 --> 00:06:26,120
to throw over a new ad just to freshen

138
00:06:24,228 --> 00:06:29,329
things up a little bit but the weird

139
00:06:26,120 --> 00:06:31,819
thing with mike is that I I knew him I

140
00:06:29,329 --> 00:06:33,079
didn't know him at all when we started

141
00:06:31,819 --> 00:06:34,789
the most I skeptics society but it

142
00:06:33,079 --> 00:06:36,079
wasn't myself for the seminoles Colin so

143

00:06:34,788 --> 00:06:38,930
the three guys who are on there was the

144
00:06:36,079 --> 00:06:41,240
skeptics with the cash or and I'd never

145
00:06:38,930 --> 00:06:42,949
met Mike before in my life and we had a

146
00:06:41,240 --> 00:06:45,680
skeptics in the pub we said the first

147
00:06:42,949 --> 00:06:47,750
ever meet up and weirdly and I have no

148
00:06:45,680 --> 00:06:50,028
idea why but from day one we had the

149
00:06:47,750 --> 00:06:51,829
kind of report that we have even know we

150
00:06:50,028 --> 00:06:53,189
had this weird instant kind of rapport

151
00:06:51,829 --> 00:06:54,839
where we can

152
00:06:53,189 --> 00:06:56,699
of knew that we could ridicule each

153
00:06:54,839 --> 00:06:58,019
other and it'd be all right and we knew

154
00:06:56,699 --> 00:06:59,670
where e to the limits were very quickly

155
00:06:58,019 --> 00:07:01,109
and I quite like ridiculing people

156
00:06:59,670 --> 00:07:03,449
around him you spend a weekend with me

157
00:07:01,110 --> 00:07:05,639

I'd like to think that you've even

158

00:07:03,449 --> 00:07:11,069

enjoyed being on the edge of my parole

159

00:07:05,639 --> 00:07:14,250

sword from time to time yeah well it's

160

00:07:11,069 --> 00:07:16,079

also the the kind of connection that you

161

00:07:14,250 --> 00:07:18,480

can thus you can maintain without

162

00:07:16,079 --> 00:07:21,000

without necessarily having eye contact

163

00:07:18,480 --> 00:07:23,100

which is afraid there's a job that Mike

164

00:07:21,000 --> 00:07:24,660

mike tells that you can tell an

165

00:07:23,100 --> 00:07:26,900

extrovert developer because looks he

166

00:07:24,660 --> 00:07:29,520

looks at your shoes while he's talking

167

00:07:26,899 --> 00:07:32,789

which I think which kind of sums it up

168

00:07:29,519 --> 00:07:35,219

but now I mean I think Mike is one of

169

00:07:32,790 --> 00:07:36,930

the great unsung skeptics in the UK

170

00:07:35,220 --> 00:07:39,360

which is where because he's involved in

171

00:07:36,930 --> 00:07:41,220

so many big skeptical project but he

172
00:07:39,360 --> 00:07:43,139
doesn't like any of claims and like any

173
00:07:41,220 --> 00:07:44,370
accord I was I don't mind a claim and a

174
00:07:43,139 --> 00:07:46,050
quarter I only like to claim the court

175
00:07:44,370 --> 00:07:47,430
that I've worked for and I remember I

176
00:07:46,050 --> 00:07:50,370
was actually speaking some when I forget

177
00:07:47,430 --> 00:07:52,079
when and somebody asked me what is the

178
00:07:50,370 --> 00:07:54,389
best way to be quite well known in

179
00:07:52,079 --> 00:07:56,819
skepticism as well the easiest way if

180
00:07:54,389 --> 00:07:58,289
you want the easiest way is to work

181
00:07:56,819 --> 00:08:00,689
incredibly hard for a number of years

182
00:07:58,290 --> 00:08:03,090
work your absolute socks off and try and

183
00:08:00,689 --> 00:08:04,860
do everything absolutely perfectly it

184
00:08:03,089 --> 00:08:07,289
sounds like more work in the long room

185
00:08:04,860 --> 00:08:08,730
when you get there you're on safer

186
00:08:07,290 --> 00:08:10,350
ground than if you just written a few

187
00:08:08,730 --> 00:08:11,669
blogs like in a few people often and

188
00:08:10,350 --> 00:08:14,010
suddenly found yourself at the top on

189
00:08:11,668 --> 00:08:15,959
very shaky ground just just work hard

190
00:08:14,009 --> 00:08:17,339
trying to do things the right way so

191
00:08:15,959 --> 00:08:20,310
yeah I think that's that's the best way

192
00:08:17,339 --> 00:08:21,929
to go back so you clearly worked very

193
00:08:20,310 --> 00:08:23,250
hard you're you have a number of

194
00:08:21,930 --> 00:08:26,100
projects that I know but probably

195
00:08:23,250 --> 00:08:27,839
probably a few that I don't know so so

196
00:08:26,100 --> 00:08:29,879
your own skeptics with the chaos we were

197
00:08:27,839 --> 00:08:32,098
organizing QED now but you also have a

198
00:08:29,879 --> 00:08:34,469
new job yeah I'm incredibly excited

199
00:08:32,099 --> 00:08:35,490
about the new job it's a remarkable

200

00:08:34,469 --> 00:08:36,419
opportunity it's one of those things

201
00:08:35,490 --> 00:08:38,909
that you got to kind of pinch yourself

202
00:08:36,418 --> 00:08:40,439
about so on there's a skeptical charity

203
00:08:38,909 --> 00:08:42,449
here in the UK called the good thinking

204
00:08:40,440 --> 00:08:44,940
society which was set up by Simon saying

205
00:08:42,450 --> 00:08:46,410
he's a fantastic force phenomenal

206
00:08:44,940 --> 00:08:47,940
phenomenal good and he has been for a

207
00:08:46,409 --> 00:08:49,110
huge number of years and he's very well

208
00:08:47,940 --> 00:08:51,030
known to your list as I'm absolutely

209
00:08:49,110 --> 00:08:53,610
sure because he's known to everybody in

210
00:08:51,029 --> 00:08:56,069
skepticism he's a great great great

211
00:08:53,610 --> 00:08:58,649
advocate for reason so he said the the

212
00:08:56,070 --> 00:09:00,300
charity up to say what would a skeptical

213
00:08:58,649 --> 00:09:02,240
charity UK look like it's very small

214
00:09:00,299 --> 00:09:04,679

it's very slim line and kind of agile

215

00:09:02,240 --> 00:09:07,200

and we still trying to find out what

216

00:09:04,679 --> 00:09:08,429

could be done so i joined the chair

217

00:09:07,200 --> 00:09:11,009

here's the the full time project

218

00:09:08,429 --> 00:09:13,979

director about three weeks a month ago

219

00:09:11,009 --> 00:09:16,200

now and we're now starting to see what

220

00:09:13,980 --> 00:09:18,120

it what it is that that role even means

221

00:09:16,200 --> 00:09:19,290

and what we can do and what kind of

222

00:09:18,120 --> 00:09:20,639

opportunities are out there and we're

223

00:09:19,289 --> 00:09:22,589

looking at many different things in

224

00:09:20,639 --> 00:09:24,419

terms of alternative medicine we're very

225

00:09:22,590 --> 00:09:25,769

keen on tackling psychics that's a big

226

00:09:24,419 --> 00:09:29,159

bugbear of mine and something I've been

227

00:09:25,769 --> 00:09:30,809

fighting for five or six years now but

228

00:09:29,159 --> 00:09:32,129

already we've started to produce a few

229
00:09:30,809 --> 00:09:34,349
things that we're quite happy with so

230
00:09:32,129 --> 00:09:36,509
I'm sure you listeners be aware that it

231
00:09:34,350 --> 00:09:38,070
was recently even as we speak right now

232
00:09:36,509 --> 00:09:40,559
it's world hold me up at the awareness

233
00:09:38,070 --> 00:09:42,090
week yes and a kind of a curtain it

234
00:09:40,559 --> 00:09:43,799
occur to me a little while ago even when

235
00:09:42,090 --> 00:09:46,110
I was doing that the 10 23 campaign so a

236
00:09:43,799 --> 00:09:47,039
couple years ago the 10 23 campaign was

237
00:09:46,110 --> 00:09:48,539
all about raising awareness for

238
00:09:47,039 --> 00:09:49,799
homeopathy and then you get world

239
00:09:48,539 --> 00:09:51,389
homeopathy awareness we can you think

240
00:09:49,799 --> 00:09:53,909
well homeopathy awareness is what we're

241
00:09:51,389 --> 00:09:56,490
about homeopath down about that they're

242
00:09:53,909 --> 00:09:57,959
about homeopathy familiarity you know

243
00:09:56,490 --> 00:09:59,909
you want people have a fuzzy level of

244
00:09:57,960 --> 00:10:01,440
familiarity oh it's that thing isn't it

245
00:09:59,909 --> 00:10:03,269
that's kind of old gentle and stuff yeah

246
00:10:01,440 --> 00:10:05,340
I do that yeah it's actually lovely and

247
00:10:03,269 --> 00:10:07,139
natural and gentle will do that but

248
00:10:05,340 --> 00:10:09,389
we're about awareness to say you know

249
00:10:07,139 --> 00:10:10,799
that it's it's it's diluted to a point

250
00:10:09,389 --> 00:10:13,049
where there's nothing in it and if you

251
00:10:10,799 --> 00:10:14,759
replace real medicine for it people die

252
00:10:13,049 --> 00:10:17,189
and it's a huge amount of money and

253
00:10:14,759 --> 00:10:19,529
people say that um supported homeopathy

254
00:10:17,190 --> 00:10:21,000
say that the pharmaceutical companies

255
00:10:19,529 --> 00:10:22,679
suppress homeopathy because they can't

256
00:10:21,000 --> 00:10:23,909
afford to sell it themselves and then

257

00:10:22,679 --> 00:10:26,309
you look at the amount of money that

258
00:10:23,909 --> 00:10:28,439
were later and boron and Nelson's makeup

259
00:10:26,309 --> 00:10:30,239
of homeopathy and it's a huge huge sum

260
00:10:28,440 --> 00:10:32,490
when we talking to him hundreds at Merck

261
00:10:30,240 --> 00:10:34,169
exactly a Merkur celeron it's it's it's

262
00:10:32,490 --> 00:10:35,879
ludicrous to suggest that you can't sell

263
00:10:34,169 --> 00:10:37,589
it in fact i was i was recently the

264
00:10:35,879 --> 00:10:39,769
mind-body wallet festival of the know

265
00:10:37,590 --> 00:10:41,879
you as he's like to call it and i had

266
00:10:39,769 --> 00:10:43,379
one of these practitioners in front when

267
00:10:41,879 --> 00:10:46,230
he was saying oh well you know this this

268
00:10:43,379 --> 00:10:47,639
one chap he he had a very serious lung

269
00:10:46,230 --> 00:10:50,370
disease and he wasn't doing very well

270
00:10:47,639 --> 00:10:51,840
and then we came along and we give mal

271
00:10:50,370 --> 00:10:53,940

kind of stuff and he was completely

272

00:10:51,840 --> 00:10:56,250
cured and I was saying wow that's that's

273

00:10:53,940 --> 00:10:57,540
amazing but it's amazing that more

274

00:10:56,250 --> 00:11:00,720
people don't know about this why isn't

275

00:10:57,539 --> 00:11:02,069
this more widely known he said well the

276

00:11:00,720 --> 00:11:03,420
pharmaceutical companies they suppress

277

00:11:02,070 --> 00:11:04,920
it because they can't sell this they

278

00:11:03,419 --> 00:11:06,870
can't profit from this I said are but

279

00:11:04,919 --> 00:11:09,000
that's fascinating so how much does it

280

00:11:06,870 --> 00:11:11,490
cost for when your treatments 45 pounds

281

00:11:09,000 --> 00:11:12,690
so okay so you can sell it you've got no

282

00:11:11,490 --> 00:11:16,200
problem selling it that's easy enough

283

00:11:12,690 --> 00:11:18,030
for you yeah so and so we talk about

284

00:11:16,200 --> 00:11:18,570
homeopathy awareness I think it is very

285

00:11:18,029 --> 00:11:20,789
clear

286
00:11:18,570 --> 00:11:22,170
when as skeptics what we're trying to do

287
00:11:20,789 --> 00:11:23,879
is raise awareness so we launched a

288
00:11:22,169 --> 00:11:26,309
website with homeopathy awareness we dog

289
00:11:23,879 --> 00:11:28,080
because we found that i noticed that

290
00:11:26,309 --> 00:11:30,750
homeopathy Awareness Week calm went to

291
00:11:28,080 --> 00:11:32,720
Nelson's the the UK distributor who

292
00:11:30,750 --> 00:11:36,090
supplied boots many of people and

293
00:11:32,720 --> 00:11:37,769
homeopathy awareness week or at UK also

294
00:11:36,090 --> 00:11:39,090
went to Nelson so they really thought

295
00:11:37,769 --> 00:11:40,079
they were in a cache in a little bit

296
00:11:39,090 --> 00:11:41,759
from this it's not they're going to sell

297
00:11:40,080 --> 00:11:44,850
some stuff and I notice that homeopathy

298
00:11:41,759 --> 00:11:47,100
Awareness Week org was free so i bought

299
00:11:44,850 --> 00:11:49,050
it i thought you want awareness will

300
00:11:47,100 --> 00:11:51,360
give you some awareness let's make

301
00:11:49,049 --> 00:11:52,469
people really aware so and it's been

302
00:11:51,360 --> 00:11:54,149
going really well and in on the first

303
00:11:52,470 --> 00:11:56,550
day that we launched we've got 40,000

304
00:11:54,149 --> 00:11:59,159
hits something like that and then the

305
00:11:56,549 --> 00:12:00,689
next day I had an article The Guardian

306
00:11:59,159 --> 00:12:02,370
and The Guardian title for the for my

307
00:12:00,690 --> 00:12:04,260
article was wonderful i would be as you

308
00:12:02,370 --> 00:12:06,389
might sell fair is it yeah you don't

309
00:12:04,259 --> 00:12:07,590
write the title but the editor really

310
00:12:06,389 --> 00:12:09,059
got the field thought i was trying to do

311
00:12:07,590 --> 00:12:11,160
because he put the title I forget

312
00:12:09,059 --> 00:12:12,899
exactly it was along the lines of why

313
00:12:11,159 --> 00:12:14,399
hold me up and why better awareness of

314

00:12:12,899 --> 00:12:16,769
homeopathy will leave to a healthier and

315
00:12:14,399 --> 00:12:18,809
happier life and the number of people in

316
00:12:16,769 --> 00:12:20,309
the comments and k i'm saying i came

317
00:12:18,809 --> 00:12:21,599
here ready just like you off but it kind

318
00:12:20,309 --> 00:12:23,069
of makes sense actually because i read

319
00:12:21,600 --> 00:12:24,990
that i was saying well if we're going to

320
00:12:23,070 --> 00:12:27,360
make people aware of homeopathy should

321
00:12:24,990 --> 00:12:30,210
be aware that holy possible cure will

322
00:12:27,360 --> 00:12:32,550
claim to treat aids and malaria and all

323
00:12:30,210 --> 00:12:34,590
these horrible things in very bad places

324
00:12:32,549 --> 00:12:36,179
and i also wrote in the article luck

325
00:12:34,590 --> 00:12:37,470
tell you have homeopaths Without Borders

326
00:12:36,179 --> 00:12:39,779
who I said you know they go into these

327
00:12:37,470 --> 00:12:41,040
these places with sugar pills you know

328
00:12:39,779 --> 00:12:42,720

they got suitcases filled with sugar

329

00:12:41,039 --> 00:12:44,849

pills but they're not so much Mets on

330

00:12:42,720 --> 00:12:46,830

some fond tiaras medicine some medicines

331

00:12:44,850 --> 00:12:49,920

which I was very very happy with a

332

00:12:46,830 --> 00:12:51,629

lovely somebody see exactly and then so

333

00:12:49,919 --> 00:12:53,129

that was on that was on friday and

334

00:12:51,629 --> 00:12:54,990

saturday we hit that was on buying

335

00:12:53,129 --> 00:12:56,549

buying and I think by today as a

336

00:12:54,990 --> 00:12:58,560

recording this sunday i think we had to

337

00:12:56,549 --> 00:12:59,759

kind of renew a lease with our hosting

338

00:12:58,559 --> 00:13:02,429

because we've managed to collapse the

339

00:12:59,759 --> 00:13:04,259

server so the hosting were very very

340

00:13:02,429 --> 00:13:06,239

kind to extend the server which means

341

00:13:04,259 --> 00:13:07,500

that we must have been kind of caning it

342

00:13:06,240 --> 00:13:09,419

in terms of hits because everyone

343
00:13:07,500 --> 00:13:11,639
started on actually yeah homeopathy

344
00:13:09,419 --> 00:13:13,769
awareness is exactly what skepticism

345
00:13:11,639 --> 00:13:15,210
should be doing um so I quite like the

346
00:13:13,769 --> 00:13:16,829
idea that when the next homeopathy

347
00:13:15,210 --> 00:13:19,290
Awareness Week comes around and you have

348
00:13:16,830 --> 00:13:21,240
the homeopathy Awareness Week organizers

349
00:13:19,289 --> 00:13:23,279
and they just Dubrow to press hit on

350
00:13:21,240 --> 00:13:25,519
that press release they brought just

351
00:13:23,279 --> 00:13:28,439
about press send and the kind of thing

352
00:13:25,519 --> 00:13:29,970
maybe not because last time it kind of

353
00:13:28,440 --> 00:13:31,180
backfired on this I don't want to give

354
00:13:29,970 --> 00:13:33,460
them that little

355
00:13:31,179 --> 00:13:35,079
arivd out which is something similar to

356
00:13:33,460 --> 00:13:37,930
what happened with chiropractic I mean

357
00:13:35,080 --> 00:13:41,620
that they they went house you know all

358
00:13:37,929 --> 00:13:43,629
guns blazing and and ended up in deep

359
00:13:41,620 --> 00:13:46,029
place yeah exotic PR perspective

360
00:13:43,629 --> 00:13:48,250
well I mean these kind of kind of

361
00:13:46,029 --> 00:13:50,079
treatment when they talk about beer

362
00:13:48,250 --> 00:13:51,669
awareness weeks and when they talk about

363
00:13:50,080 --> 00:13:53,230
these bees proper their promotional

364
00:13:51,669 --> 00:13:54,459
weeks and it's ludicrous in a way

365
00:13:53,230 --> 00:13:56,950
because when it when it comes to

366
00:13:54,460 --> 00:13:58,450
homeopathy awareness week that the

367
00:13:56,950 --> 00:14:00,009
reason it's homeopathy Awareness Week is

368
00:13:58,450 --> 00:14:03,129
because some homies thought homeopaths

369
00:14:00,009 --> 00:14:04,840
thought yeah well out this week let

370
00:14:03,129 --> 00:14:06,250
let's sell more products this week let's

371

00:14:04,840 --> 00:14:08,080
tell people this is our week nobody

372
00:14:06,250 --> 00:14:11,110
decrees these days or these weeks I mean

373
00:14:08,080 --> 00:14:12,639
one of my big skeptical projects or the

374
00:14:11,110 --> 00:14:14,769
last kind of five or six years has been

375
00:14:12,639 --> 00:14:16,389
looking at PR in the media and one of

376
00:14:14,769 --> 00:14:18,519
the topics have not really really got

377
00:14:16,389 --> 00:14:20,409
into but I've peripheral e researched

378
00:14:18,519 --> 00:14:22,809
and I've considered making part of my

379
00:14:20,409 --> 00:14:25,179
normal research is these awareness days

380
00:14:22,809 --> 00:14:26,589
or these specific weeks others and if

381
00:14:25,179 --> 00:14:28,389
you actually look you can pick any date

382
00:14:26,590 --> 00:14:30,910
in the calendar and find there are three

383
00:14:28,389 --> 00:14:33,069
four five different days and then that

384
00:14:30,909 --> 00:14:34,719
that day makes a part of two three four

385
00:14:33,070 --> 00:14:36,070

different weeks and it's a part of a

386

00:14:34,720 --> 00:14:38,290

different month and then I'll just

387

00:14:36,070 --> 00:14:40,260

decide on by the PR companies or by the

388

00:14:38,289 --> 00:14:42,339

people who wrote this so I cuz we decide

389

00:14:40,259 --> 00:14:43,870

absolutely and yeah maybe that's

390

00:14:42,340 --> 00:14:45,430

something that we should do in the

391

00:14:43,870 --> 00:14:46,659

future and then maybe ask me should be

392

00:14:45,429 --> 00:14:48,699

chatting to me about in a couple of

393

00:14:46,659 --> 00:14:51,730

months yeah but sort of you said about

394

00:14:48,700 --> 00:14:53,560

it so yeah that's something that will

395

00:14:51,730 --> 00:14:55,690

come back to but I'm probably just

396

00:14:53,559 --> 00:14:57,609

decided that homeopathy awareness week

397

00:14:55,690 --> 00:15:00,160

because our week to try and sell more

398

00:14:57,610 --> 00:15:01,450

products but I'd like to think that

399

00:15:00,159 --> 00:15:04,029

every time there's a homeopathy

400
00:15:01,450 --> 00:15:06,129
Awareness Week skeptics will be making

401
00:15:04,029 --> 00:15:07,539
people more aware of homeopathy then

402
00:15:06,129 --> 00:15:08,830
homie paths ever will be because they

403
00:15:07,539 --> 00:15:10,719
will never make you aware of what

404
00:15:08,830 --> 00:15:12,610
homeopathy actually is or what it does

405
00:15:10,720 --> 00:15:14,080
or how it doesn't work or what any of

406
00:15:12,610 --> 00:15:15,669
the evidence is they'll just be telling

407
00:15:14,080 --> 00:15:17,050
you hey by these pills they're kind of

408
00:15:15,669 --> 00:15:18,429
nice and they're gentle and they're kind

409
00:15:17,049 --> 00:15:20,740
of sweet but they won't actually give

410
00:15:18,429 --> 00:15:22,750
you any real information again you know

411
00:15:20,740 --> 00:15:24,820
I know what it's like at the end of the

412
00:15:22,750 --> 00:15:28,029
conference like this you know be how

413
00:15:24,820 --> 00:15:29,410
they you know you just relax yeah yeah

414
00:15:28,029 --> 00:15:31,629
you're allowed to the first time in a

415
00:15:29,409 --> 00:15:33,309
number of is yeah I thought I call it

416
00:15:31,629 --> 00:15:34,840
the knee buckle thing you like the knees

417
00:15:33,309 --> 00:15:36,849
just buckle you know you they don't have

418
00:15:34,840 --> 00:15:39,610
to support you anymore you can let loose

419
00:15:36,850 --> 00:15:42,159
a little bit but first of all I really

420
00:15:39,610 --> 00:15:45,009
have to say that

421
00:15:42,159 --> 00:15:50,110
this is an amazing conference it really

422
00:15:45,009 --> 00:15:51,909
is it's just it's it's a speakers and

423
00:15:50,110 --> 00:15:55,810
it's the the fact that everything really

424
00:15:51,909 --> 00:15:58,659
just just worked really well but it's

425
00:15:55,809 --> 00:16:00,008
the most important thing is I I come to

426
00:15:58,659 --> 00:16:03,309
these conferences not for the speakers

427
00:16:00,009 --> 00:16:05,800
mm I come for completely for the social

428

00:16:03,309 --> 00:16:08,258
aspects to meet people to talk to people

429
00:16:05,799 --> 00:16:10,208
to know we've discussed this that one of

430
00:16:08,259 --> 00:16:11,620
your goals in this confidence in a

431
00:16:10,208 --> 00:16:13,149
conference like this is exactly that's

432
00:16:11,620 --> 00:16:14,919
so that people get together and start

433
00:16:13,149 --> 00:16:16,688
talking about yeah the kind of things

434
00:16:14,919 --> 00:16:18,610
that can do they can do we can learn

435
00:16:16,688 --> 00:16:20,860
from other people I mentioned to Mike

436
00:16:18,610 --> 00:16:22,539
earlier about how at and actually did a

437
00:16:20,860 --> 00:16:24,879
little bit of a survey that they found

438
00:16:22,539 --> 00:16:26,379
out immediately after tam several new

439
00:16:24,879 --> 00:16:28,180
groups every year there's several new

440
00:16:26,379 --> 00:16:29,470
groups that start immediately after town

441
00:16:28,179 --> 00:16:31,059
because people get together and they

442
00:16:29,470 --> 00:16:33,160

learn from other people so there's a

443

00:16:31,059 --> 00:16:34,989

huge the social side is just so

444

00:16:33,159 --> 00:16:36,219

incredibly important and I think there's

445

00:16:34,990 --> 00:16:38,350

something that you've done here and I'm

446

00:16:36,220 --> 00:16:40,500

not sure exactly whether I can pin it

447

00:16:38,350 --> 00:16:43,659

down but I'd be interested to try to

448

00:16:40,500 --> 00:16:47,528

that you've created a really nice

449

00:16:43,659 --> 00:16:50,198

positive atmosphere and you've given

450

00:16:47,528 --> 00:16:52,448

enough time people to socialize which is

451

00:16:50,198 --> 00:16:54,159

also good my map perhaps actually might

452

00:16:52,448 --> 00:16:56,649

be a good idea to add a little bit more

453

00:16:54,159 --> 00:16:59,889

time between the talks of people over

454

00:16:56,649 --> 00:17:02,318

again we'll talk about please be well I

455

00:16:59,889 --> 00:17:07,328

guess but the real ethos we try and aim

456

00:17:02,318 --> 00:17:09,548

for with with QED is the speakers are

457
00:17:07,328 --> 00:17:11,470
very much there for the attendees yes

458
00:17:09,548 --> 00:17:13,929
and the organizers are there for the

459
00:17:11,470 --> 00:17:15,818
attendees and the venue and all the

460
00:17:13,929 --> 00:17:17,919
plans are there to have people there

461
00:17:15,818 --> 00:17:21,099
talking to each other and around each

462
00:17:17,919 --> 00:17:22,419
other so we always try and gear it not

463
00:17:21,099 --> 00:17:23,678
towards the speakers but was the

464
00:17:22,419 --> 00:17:25,809
attendees and sometimes we'll even

465
00:17:23,679 --> 00:17:28,000
choose the speakers depending on who we

466
00:17:25,808 --> 00:17:30,490
think will be most likely to hang around

467
00:17:28,000 --> 00:17:32,349
the attendees give what we love most is

468
00:17:30,490 --> 00:17:35,048
that we learn tonight yeah we were in

469
00:17:32,349 --> 00:17:39,359
the bar in da in evening cutie and made

470
00:17:35,048 --> 00:17:42,158
Phelps phenomenal keynote speaker acuity

471
00:17:39,359 --> 00:17:44,019
amazing speech you know I i was there

472
00:17:42,159 --> 00:17:46,090
was I was crying I was outright crying

473
00:17:44,019 --> 00:17:47,829
and how wonderful his talk was and how

474
00:17:46,089 --> 00:17:50,918
moving and emotional and utterly

475
00:17:47,829 --> 00:17:53,230
beautiful the way he expressed the the

476
00:17:50,919 --> 00:17:55,059
tragedy and then the positivity of his

477
00:17:53,230 --> 00:17:55,839
life in that order the tragedy of his

478
00:17:55,058 --> 00:17:57,970
upbringing that

479
00:17:55,839 --> 00:17:59,558
positivity of how we solve punched his

480
00:17:57,970 --> 00:18:01,630
way out fed up bringing in and became

481
00:17:59,558 --> 00:18:03,639
the man that he is now wonderful talk

482
00:18:01,630 --> 00:18:04,720
and he's just a guy who sat in the

483
00:18:03,640 --> 00:18:07,840
corner of a bar just chatting to people

484
00:18:04,720 --> 00:18:09,250
yeah and everybody we have here I think

485

00:18:07,839 --> 00:18:10,569
at this conference is just chatting to

486
00:18:09,250 --> 00:18:13,450
people at the barn I think that's so so

487
00:18:10,569 --> 00:18:14,829
important that there is no I'll hate more

488
00:18:13,450 --> 00:18:16,569
than anything this them a nurse

489
00:18:14,829 --> 00:18:18,579
mentality that there are no people

490
00:18:16,569 --> 00:18:20,500
bigger than us when we've had Richard

491
00:18:18,579 --> 00:18:23,500
dork in two previous QED the most

492
00:18:20,500 --> 00:18:25,380
wonderful thing I've seen is that one of

493
00:18:23,500 --> 00:18:27,880
the the panel rooms that we had was a

494
00:18:25,380 --> 00:18:30,278
particular debate which got very full

495
00:18:27,880 --> 00:18:32,559
and very vociferous and was very lively

496
00:18:30,278 --> 00:18:33,970
and at one point there was just Richie

497
00:18:32,558 --> 00:18:35,259
doc and just sat cross-legged on the

498
00:18:33,970 --> 00:18:37,028
floor there was no seats for him so he

499
00:18:35,259 --> 00:18:38,379

just came in and it's that cross-legged

500

00:18:37,028 --> 00:18:40,450

on the floor and he was just sort of

501

00:18:38,380 --> 00:18:42,399

contributing like everybody else because

502

00:18:40,450 --> 00:18:43,750

we seem to trial we really tried quite

503

00:18:42,398 --> 00:18:45,788

hard to engender this idea that

504

00:18:43,750 --> 00:18:47,169

everybody who turns up is as valid as

505

00:18:45,788 --> 00:18:48,759

everybody else whether you're speaking

506

00:18:47,169 --> 00:18:50,259

whether you're coming whether you're on

507

00:18:48,759 --> 00:18:52,990

a panel whether you an organizer

508

00:18:50,259 --> 00:18:55,329

everybody we're skeptics were here for

509

00:18:52,990 --> 00:18:57,278

the same reason and we're here for the

510

00:18:55,329 --> 00:18:59,918

same goals really and I think if we keep

511

00:18:57,278 --> 00:19:04,990

that mentality that there is no class

512

00:18:59,919 --> 00:19:06,460

there is no VIP that we're all just here

513

00:19:04,990 --> 00:19:08,109

because we believe in the same thing

514
00:19:06,460 --> 00:19:10,120
that I think that's kind of the best

515
00:19:08,109 --> 00:19:13,629
thing to kind of aim for absolutely yeah

516
00:19:10,119 --> 00:19:15,428
and in fact you had a green room hmm

517
00:19:13,630 --> 00:19:17,799
which kind of what we sort of did sort

518
00:19:15,429 --> 00:19:20,380
of this object so do I actually knew I

519
00:19:17,798 --> 00:19:24,099
knew I knew where it was because on the

520
00:19:20,380 --> 00:19:25,659
first day Nick asked me to I think yo

521
00:19:24,099 --> 00:19:27,668
Nick asked me doing Harry some stuff

522
00:19:25,659 --> 00:19:28,899
there yeah Betty was left untouched

523
00:19:27,669 --> 00:19:30,788
actually used it for a couple of

524
00:19:28,898 --> 00:19:32,648
interviews but yeah none of the

525
00:19:30,788 --> 00:19:34,119
speaker's knew where it was it was well

526
00:19:32,648 --> 00:19:36,250
I never came up so we never felt an

527
00:19:34,119 --> 00:19:40,209
interesting so implementation so the

528
00:19:36,250 --> 00:19:42,548
reality is that green room is probably

529
00:19:40,210 --> 00:19:44,950
the counter productive from that

530
00:19:42,548 --> 00:19:47,319
perspective is because do sometimes need

531
00:19:44,950 --> 00:19:49,390
time to prepare so good to have that

532
00:19:47,319 --> 00:19:51,278
kind of facility sometimes perhaps for

533
00:19:49,390 --> 00:19:52,778
some speakers to just be able to go over

534
00:19:51,278 --> 00:19:55,148
the notes and all that but the reality

535
00:19:52,778 --> 00:19:56,919
is do you know what I saw Paul sitting

536
00:19:55,148 --> 00:20:00,099
in the bar and going over things and I

537
00:19:56,919 --> 00:20:02,380
saw other and I saw other other speakers

538
00:20:00,099 --> 00:20:04,750
just you don't need that necessarily

539
00:20:02,380 --> 00:20:07,630
that space and I think green room could

540
00:20:04,750 --> 00:20:09,369
create that separation that VIP yeah

541
00:20:07,630 --> 00:20:11,330
it's not one so on

542

00:20:09,369 --> 00:20:15,079
this is the first time we're in a new

543
00:20:11,329 --> 00:20:16,699
venue and the previous venue was lovely

544
00:20:15,079 --> 00:20:18,288
with a little small for how big we

545
00:20:16,700 --> 00:20:20,179
become witches which is a real testament

546
00:20:18,288 --> 00:20:22,579
to how much I think we've been captured

547
00:20:20,179 --> 00:20:24,019
the kind of the imagination of the UK

548
00:20:22,579 --> 00:20:25,909
are skeptical that even though European

549
00:20:24,019 --> 00:20:27,288
we get so many European skeptics it's

550
00:20:25,910 --> 00:20:29,150
wonderful to see people from different

551
00:20:27,288 --> 00:20:31,519
countries coming here and here talking

552
00:20:29,150 --> 00:20:32,960
about how it works so yeah there's so

553
00:20:31,519 --> 00:20:34,369
many it's brilliant is printing because

554
00:20:32,960 --> 00:20:37,429
it's quite easy to get you here I guess

555
00:20:34,369 --> 00:20:39,379
because we quite accessible um but now

556
00:20:37,429 --> 00:20:41,240

previous venue we did have a green room

557

00:20:39,380 --> 00:20:43,370

and it was the balcony overlooking the

558

00:20:41,240 --> 00:20:44,779

main room and it was nice and it was

559

00:20:43,369 --> 00:20:46,069

kind of a little tricky to get out to

560

00:20:44,779 --> 00:20:46,849

get to and a lot of our speakers kind of

561

00:20:46,069 --> 00:20:49,339

hung around there while they were

562

00:20:46,849 --> 00:20:50,779

preparing notes and um but a lot of

563

00:20:49,339 --> 00:20:53,119

others didn't and they were amongst a

564

00:20:50,779 --> 00:20:55,089

crowd and this year we do have a green

565

00:20:53,119 --> 00:20:58,069

room it's a little trickier to get to a

566

00:20:55,089 --> 00:21:01,939

little tricky rates of bloody maze well

567

00:20:58,069 --> 00:21:04,129

the whole hotel is amazed but it's it

568

00:21:01,940 --> 00:21:06,110

will be easy to get to no one's actually

569

00:21:04,130 --> 00:21:10,039

quite easy to get to it's not very easy

570

00:21:06,109 --> 00:21:11,779

to get back lick on the way back is

571
00:21:10,038 --> 00:21:13,548
trying to go you're wrong with you if

572
00:21:11,779 --> 00:21:16,399
you get it wrong you end up on the stage

573
00:21:13,548 --> 00:21:19,038
yeah yeah but I mean yeah I mean that's

574
00:21:16,400 --> 00:21:20,780
true but I like that because the thing

575
00:21:19,038 --> 00:21:22,640
is this hotel is amazed but it's also

576
00:21:20,779 --> 00:21:24,558
amazed with a million different titles

577
00:21:22,640 --> 00:21:26,000
so I mean we're sat in one of the side

578
00:21:24,558 --> 00:21:27,079
rooms that we didn't hire but it was

579
00:21:26,000 --> 00:21:28,788
just one of the rooms that was free the

580
00:21:27,079 --> 00:21:30,769
whole time there's there's always space

581
00:21:28,788 --> 00:21:32,779
in this building if you need some

582
00:21:30,769 --> 00:21:35,538
private time but what we didn't want is

583
00:21:32,779 --> 00:21:38,298
people just hiding away and yet but we

584
00:21:35,538 --> 00:21:39,829
will also and we choose us because very

585

00:21:38,298 --> 00:21:42,319
specifically for people that we think

586

00:21:39,829 --> 00:21:43,759
are going to be very happy being around

587

00:21:42,319 --> 00:21:45,349
people I think I so so important we

588

00:21:43,759 --> 00:21:47,538
don't want someone who wants to come in

589

00:21:45,349 --> 00:21:49,399
do their talk and leave again because we

590

00:21:47,538 --> 00:21:52,759
want to say we're all the same you know

591

00:21:49,400 --> 00:21:55,190
we're all the person who sat on Row 17

592

00:21:52,759 --> 00:21:57,470
of the conference this year might be on

593

00:21:55,190 --> 00:21:59,150
stage next year it all depends on the

594

00:21:57,470 --> 00:22:00,409
work that you do and the story you have

595

00:21:59,150 --> 00:22:02,390
to tell the messages that you're not

596

00:22:00,409 --> 00:22:04,820
actually it's a little bit more you said

597

00:22:02,390 --> 00:22:08,390
next year the person who was in stage

598

00:22:04,819 --> 00:22:10,579
two hours ago he's on on row 17 now and

599

00:22:08,390 --> 00:22:15,230
it was yeah love it yeah yeah I think I

600
00:22:10,579 --> 00:22:17,689
really don't think that um the there was

601
00:22:15,230 --> 00:22:19,490
any any distinction or any your

602
00:22:17,690 --> 00:22:20,870
hierarchy like there's no and I think a

603
00:22:19,490 --> 00:22:22,000
skeptics I don't believe that we should

604
00:22:20,869 --> 00:22:23,769
have a higher arc and I

605
00:22:22,000 --> 00:22:26,890
fundamentally I think by and large look

606
00:22:23,769 --> 00:22:31,539
definitely at australian conferences we

607
00:22:26,890 --> 00:22:33,660
haven't had any any we haven't had

608
00:22:31,539 --> 00:22:36,159
anything that would suggest a hierarchy

609
00:22:33,660 --> 00:22:38,650
level of disability even at a might

610
00:22:36,160 --> 00:22:41,380
think to a large extent with probably a

611
00:22:38,650 --> 00:22:42,910
few exceptions there is that

612
00:22:41,380 --> 00:22:44,080
accessibility and I think that's what

613
00:22:42,910 --> 00:22:45,460

one of the things that people like about

614

00:22:44,079 --> 00:22:47,259

going to town because i don't have you

615

00:22:45,460 --> 00:22:48,640

ever been to town no I've never I've

616

00:22:47,259 --> 00:22:50,619

never come into America and I long to

617

00:22:48,640 --> 00:22:52,390

return but i think the curious thing I

618

00:22:50,619 --> 00:22:56,769

guess even about people in general is

619

00:22:52,390 --> 00:22:59,290

that cultures self orange unless you

620

00:22:56,769 --> 00:23:01,119

actively stop them yeah so you have to

621

00:22:59,289 --> 00:23:02,859

actively stop people arranging into a

622

00:23:01,119 --> 00:23:06,039

hierarchy so what we try and do acuity

623

00:23:02,859 --> 00:23:07,240

is is actively trying you know it's

624

00:23:06,039 --> 00:23:09,490

gonna sound ridiculous but it as a

625

00:23:07,240 --> 00:23:11,799

metaphor but you people oil on water and

626

00:23:09,490 --> 00:23:13,809

the oil rises on the top until you put

627

00:23:11,799 --> 00:23:15,819

some some washing-up liquid on it and

628
00:23:13,809 --> 00:23:17,049
everything mixes back together and as

629
00:23:15,819 --> 00:23:19,990
the organizers we try and be the

630
00:23:17,049 --> 00:23:21,879
washing-up liquid to stop the oil and

631
00:23:19,990 --> 00:23:23,980
the water separating say it's all just

632
00:23:21,880 --> 00:23:26,020
makes mystery medical I know I know like

633
00:23:23,980 --> 00:23:28,089
I'm and I'm mingus litter it was a

634
00:23:26,019 --> 00:23:30,549
metaphor and therefore I'm qualified to

635
00:23:28,089 --> 00:23:32,470
do it I have a degree that says I can do

636
00:23:30,549 --> 00:23:34,839
metaphors and I'm allowed yeah he was

637
00:23:32,470 --> 00:23:38,049
fair wrong that was right that was one

638
00:23:34,839 --> 00:23:42,879
of me fun that's the best believe it was

639
00:23:38,049 --> 00:23:44,500
too too scientific yeah so uh how do you

640
00:23:42,880 --> 00:23:47,620
feel about the the changes that you've

641
00:23:44,500 --> 00:23:50,890
made in skeptics with a que now with

642
00:23:47,619 --> 00:23:52,839
Alice was the neumann mic mic already

643
00:23:50,890 --> 00:23:55,240
spoke about her oh he's always hot Oh

644
00:23:52,839 --> 00:23:58,029
toppers I mean I I actually love us and

645
00:23:55,240 --> 00:23:59,859
things I loved Colin I love Colin it's

646
00:23:58,029 --> 00:24:00,970
not like he's dead I'm gone sorry if

647
00:23:59,859 --> 00:24:03,069
you're not on the show anymore you're

648
00:24:00,970 --> 00:24:04,329
dead to me no he's very much a part of

649
00:24:03,069 --> 00:24:06,309
my life and he's a wonderful wonderful

650
00:24:04,329 --> 00:24:08,289
guy I need a lovely fella but obviously

651
00:24:06,309 --> 00:24:09,429
he's he's a bad week and a father for

652
00:24:08,289 --> 00:24:12,579
the first time and he just didn't have

653
00:24:09,430 --> 00:24:13,870
the time to to go and talk nonsense with

654
00:24:12,579 --> 00:24:15,730
a couple of dickheads like me and Mike

655
00:24:13,869 --> 00:24:17,649
for a couple of hours on every other

656

00:24:15,730 --> 00:24:20,079
week um but ya know it's really nice

657
00:24:17,650 --> 00:24:22,390
because Alice are we've known as a very

658
00:24:20,079 --> 00:24:23,889
very long time and I think as the most

659
00:24:22,390 --> 00:24:26,020
I'd skeptics society we seem to be

660
00:24:23,890 --> 00:24:28,330
growing with a number of different

661
00:24:26,019 --> 00:24:30,129
people that we kind of if you i

662
00:24:28,329 --> 00:24:31,329
genuinely believe if you do things the

663
00:24:30,130 --> 00:24:33,520
right way with

664
00:24:31,329 --> 00:24:35,470
right kind of spirit you're the right

665
00:24:33,519 --> 00:24:38,230
intention you're really trying to do it

666
00:24:35,470 --> 00:24:40,329
the right way you gravitate people

667
00:24:38,230 --> 00:24:41,980
toward you who recognize your intention

668
00:24:40,329 --> 00:24:43,659
and so these guys they're trying to do

669
00:24:41,980 --> 00:24:45,009
something and they I'd like to do

670
00:24:43,660 --> 00:24:46,870

something as well and you start to sort

671

00:24:45,009 --> 00:24:48,549

of attract people like a little kind of

672

00:24:46,869 --> 00:24:49,989

magnet or a gravitational force you

673

00:24:48,549 --> 00:24:52,329

start to sort of build your little bull

674

00:24:49,990 --> 00:24:54,730

cover of collectives across your

675

00:24:52,329 --> 00:24:56,169

community and so from Daisy start seeing

676

00:24:54,730 --> 00:24:58,150

well who's got what kind of skills and

677

00:24:56,170 --> 00:25:00,610

and I love Alice because Alice has got

678

00:24:58,150 --> 00:25:02,470

well she's a hard scientist which be

679

00:25:00,609 --> 00:25:03,909

Mike certainly are until this will be

680

00:25:02,470 --> 00:25:05,769

the first time I really challenge on

681

00:25:03,910 --> 00:25:09,340

science because Alice know stuff and

682

00:25:05,769 --> 00:25:12,009

does she experiment Alice has cells in a

683

00:25:09,339 --> 00:25:13,750

dish somewhere that more than me Mike

684

00:25:12,009 --> 00:25:15,400

will ever have you know that's more

685
00:25:13,750 --> 00:25:18,809
scientific than we could ever pretend

686
00:25:15,400 --> 00:25:23,050
John I have kids I have sales in a fish

687
00:25:18,809 --> 00:25:25,690
every day and I have to fight to get

688
00:25:23,049 --> 00:25:27,250
people to put them in yeah yeah so I

689
00:25:25,690 --> 00:25:29,110
move so yeah we're really happy we've

690
00:25:27,250 --> 00:25:30,910
had other members of The Skeptical side

691
00:25:29,109 --> 00:25:33,490
on there as well we've had gara into is

692
00:25:30,910 --> 00:25:35,410
a plant biologist and again incredibly

693
00:25:33,490 --> 00:25:37,569
knowledgeable about the stuff that he

694
00:25:35,410 --> 00:25:40,180
does and it's it's impressive to have

695
00:25:37,569 --> 00:25:42,549
somebody who usually were too busy

696
00:25:40,180 --> 00:25:43,960
ridiculing in the pub for various

697
00:25:42,549 --> 00:25:45,250
different reasons then suddenly he comes

698
00:25:43,960 --> 00:25:46,390
on the show and he actually talks about

699
00:25:45,250 --> 00:25:49,119
the stuff he really knows about it say

700
00:25:46,390 --> 00:25:50,680
oh this this guy know stuff tells let me

701
00:25:49,119 --> 00:25:52,989
know a guy who knows stuff how did this

702
00:25:50,680 --> 00:25:55,750
happen I could i I don't know stuff I

703
00:25:52,990 --> 00:25:58,240
just make silly jokes I have a make puns

704
00:25:55,750 --> 00:25:59,740
basically make bones and kind of get a

705
00:25:58,240 --> 00:26:01,420
bit i rated people who are hurting

706
00:25:59,740 --> 00:26:02,410
people that's kind of buzz that idea i

707
00:26:01,420 --> 00:26:03,910
get a little passionate and that's the

708
00:26:02,410 --> 00:26:05,680
best that I can do but we sometimes kind

709
00:26:03,910 --> 00:26:07,060
of gravitate people towards us who who

710
00:26:05,680 --> 00:26:10,990
know stuff and do stuff and that's quite

711
00:26:07,059 --> 00:26:12,009
exciting much I must tell you that first

712
00:26:10,990 --> 00:26:14,620
of all it's been a great pleasure

713

00:26:12,009 --> 00:26:19,809
meeting you after being in touch for you

714
00:26:14,619 --> 00:26:22,029
so long as I say you're a long long an

715
00:26:19,809 --> 00:26:24,700
auspicious line of Australians you've

716
00:26:22,029 --> 00:26:27,160
come to QED and been incredibly

717
00:26:24,700 --> 00:26:28,660
supportive and utterly bloody lovely you

718
00:26:27,160 --> 00:26:29,860
know there's yourself and rach and

719
00:26:28,660 --> 00:26:31,660
richard we've had some like really

720
00:26:29,859 --> 00:26:32,949
lovely australian skeptic so i think

721
00:26:31,660 --> 00:26:34,480
there's a real affinity between UK

722
00:26:32,950 --> 00:26:36,009
skeptics and their busy schedules we

723
00:26:34,480 --> 00:26:37,539
should do things together we shared we

724
00:26:36,009 --> 00:26:39,950
absolutely should thanks very much

725
00:26:37,539 --> 00:26:47,509
Cheers

726
00:26:39,950 --> 00:26:48,919
oh hey guys this is jay from the

727
00:26:47,509 --> 00:26:51,648

skeptics guide to the universe er whoa

728

00:26:48,919 --> 00:26:53,028

whoa whoa hold on whoa everybody knows

729

00:26:51,648 --> 00:26:54,829

I'm the only reason to listen to the

730

00:26:53,028 --> 00:27:00,259

Freak Show right I mean it was up to me

731

00:26:54,829 --> 00:27:03,079

the show would start with this yeah boy

732

00:27:00,259 --> 00:27:05,179

well Rebecca would hate that probably

733

00:27:03,079 --> 00:27:06,648

but I mean I'd rock that listen to our

734

00:27:05,179 --> 00:27:08,360

show and you can learn about cool stuff

735

00:27:06,648 --> 00:27:10,278

like a technological singularity which

736

00:27:08,359 --> 00:27:11,808

is someday when technology progresses so

737

00:27:10,278 --> 00:27:13,159

fast that it would make the Industrial

738

00:27:11,808 --> 00:27:16,220

Revolution look like a kid science

739

00:27:13,159 --> 00:27:20,320

project anyway come check us out at WWDC

740

00:27:16,220 --> 00:27:20,319

epic sky org get your son

741

00:27:30,920 --> 00:27:35,820

welcome to a weakened science from our

742
00:27:33,359 --> 00:27:38,819
oz bringing you the science you need to

743
00:27:35,819 --> 00:27:41,039
know mmm chocolate one of the world's

744
00:27:38,819 --> 00:27:47,159
favorite sweet foods words cannot

745
00:27:41,039 --> 00:27:48,899
describe how much I love chocolate the

746
00:27:47,160 --> 00:27:50,640
cacao bean the key ingredients of

747
00:27:48,900 --> 00:27:52,769
chocolate originates from South America

748
00:27:50,640 --> 00:27:54,960
and was brought to Europe by the Spanish

749
00:27:52,769 --> 00:27:56,369
in the 16th century since then there

750
00:27:54,960 --> 00:27:58,769
have been a number of benefits being

751
00:27:56,369 --> 00:28:00,509
promoted however research has started to

752
00:27:58,769 --> 00:28:02,759
show that chocolate may indeed have a

753
00:28:00,509 --> 00:28:04,559
number of good effects on our health in

754
00:28:02,759 --> 00:28:06,269
particular cocoa is a rich source of

755
00:28:04,559 --> 00:28:08,849
flavonols chemicals which have an

756
00:28:06,269 --> 00:28:10,529
anti-inflammatory effect they accumulate

757
00:28:08,849 --> 00:28:12,149
in the brain regions involved in

758
00:28:10,529 --> 00:28:14,399
learning and memory especially the

759
00:28:12,150 --> 00:28:15,990
hippocampus flavonols have also been

760
00:28:14,400 --> 00:28:17,640
shown to increase blood flow to the

761
00:28:15,990 --> 00:28:19,230
brain while this doesn't necessarily

762
00:28:17,640 --> 00:28:23,940
mean the chocolate will make you smarter

763
00:28:19,230 --> 00:28:25,769
well it can't hurt there is also

764
00:28:23,940 --> 00:28:28,049
evidence showing cocos benefits for the

765
00:28:25,769 --> 00:28:30,029
heart and circulation including reducing

766
00:28:28,049 --> 00:28:32,430
blood pressure by relaxing vessel

767
00:28:30,029 --> 00:28:34,170
muscles dark chocolate reduces platelet

768
00:28:32,430 --> 00:28:35,880
aggregation and blood vessels which

769
00:28:34,170 --> 00:28:37,680
might help prevent blockages which can

770

00:28:35,880 --> 00:28:38,970
result in heart attacks we've only

771
00:28:37,680 --> 00:28:40,860
touched on the health benefits of

772
00:28:38,970 --> 00:28:42,750
chocolate there is also evidence that

773
00:28:40,859 --> 00:28:44,819
has positive effects on cholesterol

774
00:28:42,750 --> 00:28:46,920
insulin resistance and blood vessel

775
00:28:44,819 --> 00:28:48,929
function and improves mood and

776
00:28:46,920 --> 00:28:51,180
well-being it should be noted though

777
00:28:48,930 --> 00:28:53,610
that the processing of coco de chocolate

778
00:28:51,180 --> 00:28:55,830
reduces the flavonoid content so studies

779
00:28:53,609 --> 00:28:57,869
which show an effect using cocoa may not

780
00:28:55,829 --> 00:29:00,389
necessarily have the same effect using

781
00:28:57,869 --> 00:29:01,889
processed chocolate as always talk to

782
00:29:00,390 --> 00:29:04,830
your doctor about the best health plan

783
00:29:01,890 --> 00:29:07,420
for you and now for fast facts about our

784
00:29:04,829 --> 00:29:10,069

favorite sweet food

785

00:29:07,420 --> 00:29:12,289

cacao beans the base ingredients of

786

00:29:10,069 --> 00:29:15,139

chocolate were used by the Aztecs as a

787

00:29:12,289 --> 00:29:18,019

form of currency cacao beans grow inside

788

00:29:15,140 --> 00:29:20,810

pods with each pod containing around 40

789

00:29:18,019 --> 00:29:22,639

beans forty-three percent of Nobel Prize

790

00:29:20,809 --> 00:29:24,919

winner eat chocolate more than twice

791

00:29:22,640 --> 00:29:27,140

per week compared to just twenty-five

792

00:29:24,920 --> 00:29:28,640

percent of the general public and while

793

00:29:27,140 --> 00:29:30,560

we're talking about Nobel prizes

794

00:29:28,640 --> 00:29:32,840

countries with the highest chocolate

795

00:29:30,559 --> 00:29:35,419

consumption also have the most Nobel

796

00:29:32,839 --> 00:29:37,129

Prize winners that's it for this week in

797

00:29:35,420 --> 00:29:39,769

science wants to find out more about

798

00:29:37,130 --> 00:29:44,540

chocolate who wouldn't go to the Arias

799

00:29:39,769 --> 00:29:47,119

website our I a USDA you follow us on

800

00:29:44,539 --> 00:29:49,250

twitter at ra oz and like us on facebook

801

00:29:47,119 --> 00:29:51,699

i'm ben lewis and we'll catch you next

802

00:29:49,250 --> 00:29:51,700

week

803

00:30:04,099 --> 00:30:08,329

the internet maybe the information

804

00:30:06,200 --> 00:30:09,860

superhighway but there is no promise

805

00:30:08,329 --> 00:30:12,048

that the information is factually

806

00:30:09,859 --> 00:30:14,089

correct so when people use the internet

807

00:30:12,048 --> 00:30:16,069

to educate themselves they are at risk

808

00:30:14,089 --> 00:30:18,500

of being misinformed and reaching false

809

00:30:16,069 --> 00:30:21,019

conclusions but don't worry there is a

810

00:30:18,500 --> 00:30:22,849

solution roboto is a browser plug-in

811

00:30:21,019 --> 00:30:24,440

which tells users when the webpage they

812

00:30:22,849 --> 00:30:27,199

are currently viewing has been disputed

813
00:30:24,440 --> 00:30:29,269
elsewhere on the internet with rabbit

814
00:30:27,200 --> 00:30:31,250
are installed any time you read a page

815
00:30:29,269 --> 00:30:33,048
making a claim of truth you have

816
00:30:31,250 --> 00:30:35,690
immediate access to another page which

817
00:30:33,048 --> 00:30:37,339
explains why that claim is incorrect so

818
00:30:35,690 --> 00:30:39,529
you not only get an opposing perspective

819
00:30:37,339 --> 00:30:41,509
and more information on the subject but

820
00:30:39,529 --> 00:30:43,940
you get a direct demonstration of how to

821
00:30:41,509 --> 00:30:46,429
critically analyze the page you just

822
00:30:43,940 --> 00:30:48,140
read imagine a world where every

823
00:30:46,429 --> 00:30:50,150
internet user was able to critically

824
00:30:48,140 --> 00:30:52,429
reflect on the information that the

825
00:30:50,150 --> 00:30:54,019
internet presents to them because that

826
00:30:52,429 --> 00:30:56,870
is the internet that row butter and its

827

00:30:54,019 --> 00:31:01,279
community of volunteers are building go

828
00:30:56,869 --> 00:31:03,949
to rebuttal com that's our b ut our com

829
00:31:01,279 --> 00:31:05,210
install the plug-in and see what you can

830
00:31:03,950 --> 00:31:07,900
do to help us bring about this

831
00:31:05,210 --> 00:31:07,900
revolution

832
00:31:21,319 --> 00:31:29,379
what we want some more evidence please

833
00:31:25,210 --> 00:31:29,380
is Joe alabaster

834
00:31:32,390 --> 00:31:38,550
hello this is Joe alabaster from The

835
00:31:36,059 --> 00:31:42,750
Courier Mail newspaper dated april 13

836
00:31:38,549 --> 00:31:44,069
2014 by laura charmers it started as a

837
00:31:42,750 --> 00:31:46,650
niggling cough that wouldn't go away

838
00:31:44,069 --> 00:31:49,379
when Heidi Robertson was 25 weeks

839
00:31:46,650 --> 00:31:51,390
pregnant before long the cough turned

840
00:31:49,380 --> 00:31:53,100
into severe coughing fits the left her

841
00:31:51,390 --> 00:31:56,910

vomiting and fearing for her baby's

842

00:31:53,099 --> 00:31:59,399

health quote it was terrifying I burst

843

00:31:56,910 --> 00:32:01,230

blood vessels I was incontinent and I

844

00:31:59,400 --> 00:32:04,830

vomited after every coughing fit for

845

00:32:01,230 --> 00:32:06,630

three months and quote she said quote I

846

00:32:04,829 --> 00:32:08,189

would cough so violently that I was

847

00:32:06,630 --> 00:32:12,090

worried that I could lose the baby and

848

00:32:08,190 --> 00:32:13,950

quote Mrs. Robertson 40 considers

849

00:32:12,089 --> 00:32:16,589

herself extremely lucky that she didn't

850

00:32:13,950 --> 00:32:19,170

in fact her newborn Hugo now five when

851

00:32:16,589 --> 00:32:22,169

he was born in 2009 or her older son

852

00:32:19,170 --> 00:32:24,480

Charlie now seven Hugo was born in the

853

00:32:22,170 --> 00:32:26,730

Royal Brisbane hospital only a few weeks

854

00:32:24,480 --> 00:32:28,950

before Dana McCaffrey the four week old

855

00:32:26,730 --> 00:32:31,819

daughter of Tony and David McCaffrey who

856
00:32:28,950 --> 00:32:34,710
died from whooping cough in March 2009

857
00:32:31,819 --> 00:32:36,599
quote I could have easily passed this

858
00:32:34,710 --> 00:32:38,640
onto my baby if I was still infectious

859
00:32:36,599 --> 00:32:41,009
when he was born the fact he was not

860
00:32:38,640 --> 00:32:44,009
infected was a miracle and quote mrs.

861
00:32:41,009 --> 00:32:46,289
Robertson said quote I heard about

862
00:32:44,009 --> 00:32:48,539
Dana's death at the time and given I had

863
00:32:46,289 --> 00:32:50,399
recently had the diagnosis myself I was

864
00:32:48,539 --> 00:32:53,819
absolutely horrified the thing that

865
00:32:50,400 --> 00:32:55,560
could have been my baby end quote mrs.

866
00:32:53,819 --> 00:32:57,269
Robertson is part of a group of Northern

867
00:32:55,559 --> 00:32:59,190
Rivers mothers raising awareness of the

868
00:32:57,269 --> 00:33:02,970
importance of vaccinations for parents

869
00:32:59,190 --> 00:33:04,769
of newborns and pregnant women quote the

870
00:33:02,970 --> 00:33:07,170
awareness that adults do need a booster

871
00:33:04,769 --> 00:33:10,589
is just not out there unquote she said

872
00:33:07,170 --> 00:33:13,170
quote I had every vaccination as a child

873
00:33:10,589 --> 00:33:14,939
and lots more as I worked overseas but

874
00:33:13,170 --> 00:33:17,100
one booster never mentioned to me was

875
00:33:14,940 --> 00:33:18,600
the whooping cough booster it is still a

876
00:33:17,099 --> 00:33:22,379
message that is not seeming to get

877
00:33:18,599 --> 00:33:24,179
around and quote parents of babies under

878
00:33:22,380 --> 00:33:26,760
six months received free vaccines in

879
00:33:24,180 --> 00:33:29,610
Queensland but the program ceased on jun

880
00:33:26,759 --> 00:33:31,829
30 2012 the national immunization

881
00:33:29,609 --> 00:33:34,529
handbook recommends a whooping cough

882
00:33:31,829 --> 00:33:36,480
booster either pre pregnancy during the

883
00:33:34,529 --> 00:33:39,450
third trimester or as soon as possible

884

00:33:36,480 --> 00:33:41,910
after delivery am a Queensland

885
00:33:39,450 --> 00:33:43,830
president-elect dr. Sean Rudd said

886
00:33:41,910 --> 00:33:44,190
parents and grandparents were often keen

887
00:33:43,829 --> 00:33:45,898
to get

888
00:33:44,190 --> 00:33:48,269
whooping cough booster when advised of

889
00:33:45,898 --> 00:33:50,219
the evidence Queensland Health

890
00:33:48,269 --> 00:33:52,710
communicable diseases unit senior

891
00:33:50,220 --> 00:33:54,419
director dr. Sonia Bennett encouraged

892
00:33:52,710 --> 00:33:56,759
parents of newborns and other family

893
00:33:54,419 --> 00:34:00,120
members in contact with the baby to get

894
00:33:56,759 --> 00:34:01,620
the whooping cough vaccine quote having

895
00:34:00,119 --> 00:34:03,209
government support for those things can

896
00:34:01,619 --> 00:34:04,829
certainly improve and increase the

897
00:34:03,210 --> 00:34:08,628
uptake and that would be a good thing

898
00:34:04,829 --> 00:34:08,628

end quote he said

899

00:34:12,610 --> 00:34:17,170

virtual skeptics is a weekly web show in

900

00:34:15,340 --> 00:34:19,480

which we discuss the latest news in

901

00:34:17,170 --> 00:34:20,950

skepticism whether it's a new case of

902

00:34:19,480 --> 00:34:23,170

spontaneous human combustion a

903

00:34:20,949 --> 00:34:25,389

conspiracy theory the latest update on

904

00:34:23,170 --> 00:34:27,039

the upcoming robot apocalypse tech news

905

00:34:25,389 --> 00:34:29,529

for skeptics are the latest wacky

906

00:34:27,039 --> 00:34:31,900

religious claim we cover it all we

907

00:34:29,530 --> 00:34:34,570

record the show live as a Google+ on-air

908

00:34:31,900 --> 00:34:36,369

hang out so join us and our host Brian

909

00:34:34,570 --> 00:34:39,039

Gregory for an hour of mostly

910

00:34:36,369 --> 00:34:41,949

intelligent talk every Wednesday at a PM

911

00:34:39,039 --> 00:34:44,529

eastern US time watch us at virtual

912

00:34:41,949 --> 00:34:47,369

skeptics calm and participate in the

913
00:34:44,530 --> 00:34:50,019
show on our hashtag virtual skeptics the

914
00:34:47,369 --> 00:34:53,670
virtual skeptics it's like meet the

915
00:34:50,019 --> 00:34:53,670
press but with chupacabras

916
00:34:56,630 --> 00:35:00,070
on my

917
00:35:03,300 --> 00:35:05,330
Oh

918
00:35:08,159 --> 00:35:12,690
and joining me now all the way from

919
00:35:10,409 --> 00:35:16,379
Allah votes in the Czech Republic its

920
00:35:12,690 --> 00:35:19,470
best Sarlo Besh I Richard how are you

921
00:35:16,380 --> 00:35:21,420
I'm doing really well I'm envious oh I'm

922
00:35:19,469 --> 00:35:23,848
so envious that you're in all emotes at

923
00:35:21,420 --> 00:35:25,710
the FO the film festival in the Czech

924
00:35:23,849 --> 00:35:29,190
Republic that's where we met this time

925
00:35:25,710 --> 00:35:31,980
last year how was it this year it's been

926
00:35:29,190 --> 00:35:34,858
it's been really wonderful and we're

927
00:35:31,980 --> 00:35:39,599
missing you ah and the people here

928
00:35:34,858 --> 00:35:43,710
pretty awesome you have some you have

929
00:35:39,599 --> 00:35:45,390
oral gammy left out around the convict

930
00:35:43,710 --> 00:35:48,389
comment of course is the University

931
00:35:45,389 --> 00:35:50,338
where where the festival is held so your

932
00:35:48,389 --> 00:35:52,558
legend lives on air very profoundly oh

933
00:35:50,338 --> 00:35:54,779
that's good that's really nice to know

934
00:35:52,559 --> 00:35:57,119
if I can't be there in the flesh at

935
00:35:54,780 --> 00:35:58,289
least some of my creations can be

936
00:35:57,119 --> 00:36:01,980
scattered about the Czech Republic

937
00:35:58,289 --> 00:36:03,960
that's nice so no but that so you let's

938
00:36:01,980 --> 00:36:05,969
talk a little bit about why you are at

939
00:36:03,960 --> 00:36:08,730
the the film festival a little bit about

940
00:36:05,969 --> 00:36:09,929
the festival itself we as I said we met

941

00:36:08,730 --> 00:36:12,179
there last year we were both on the

942
00:36:09,929 --> 00:36:14,250
international jury to select the best

943
00:36:12,179 --> 00:36:18,179
science documentary and I believe that

944
00:36:14,250 --> 00:36:21,599
you're the the gathering now after the

945
00:36:18,179 --> 00:36:23,129
awards for this year the main award I

946
00:36:21,599 --> 00:36:24,778
guess is fun the one that comes from the

947
00:36:23,130 --> 00:36:27,510
international jury of which you and I

948
00:36:24,778 --> 00:36:30,539
were apart last year and that went to a

949
00:36:27,510 --> 00:36:32,609
German film about honeybees I didn't

950
00:36:30,539 --> 00:36:34,680
have a chance to see it this year but I

951
00:36:32,608 --> 00:36:36,179
saw one clip in the cinematography was

952
00:36:34,679 --> 00:36:38,730
amazing and apparently they really

953
00:36:36,179 --> 00:36:41,879
explain the science behind how bees work

954
00:36:38,730 --> 00:36:45,778
as a team and then go on to create honey

955
00:36:41,880 --> 00:36:48,028

for well themselves and also for us Wow

956

00:36:45,778 --> 00:36:50,789

fascinated sounds absolutely fascinating

957

00:36:48,028 --> 00:36:53,429

and I have such fond memories of all

958

00:36:50,789 --> 00:36:55,470

emotes the little little city there in

959

00:36:53,429 --> 00:36:58,139

the Czech Republic is so beautiful in

960

00:36:55,469 --> 00:37:00,858

such a lovely setting and I imagine you

961

00:36:58,139 --> 00:37:03,358

were just equally as charmed this year

962

00:37:00,858 --> 00:37:04,558

yeah it's really fantastic that the nice

963

00:37:03,358 --> 00:37:05,548

thing about coming back the second year

964

00:37:04,559 --> 00:37:07,410

of course is that you're a little bit

965

00:37:05,548 --> 00:37:10,199

more familiar with everything you know

966

00:37:07,409 --> 00:37:11,578

all the people and I was a little bit

967

00:37:10,199 --> 00:37:13,558

more relaxed all the time when I had to

968

00:37:11,579 --> 00:37:15,390

speak and I had a few more engagements

969

00:37:13,559 --> 00:37:18,030

this year compared to last year and so

970
00:37:15,389 --> 00:37:20,489
it was nice to be a little bit primed

971
00:37:18,030 --> 00:37:22,530
I'm delighted to hear it and I I

972
00:37:20,489 --> 00:37:24,379
certainly hope one day I'll be able to

973
00:37:22,530 --> 00:37:28,350
attend that festival again it certainly

974
00:37:24,380 --> 00:37:30,539
was such a wonderful experience and on

975
00:37:28,349 --> 00:37:32,579
top of that you got to spend time with

976
00:37:30,539 --> 00:37:36,050
one of my favorite people the astronomer

977
00:37:32,579 --> 00:37:38,549
Pamela gay mm-hmm Pamela gay and i did a

978
00:37:36,050 --> 00:37:40,769
interview for the national check radio

979
00:37:38,550 --> 00:37:43,740
there was like a half an hour segment

980
00:37:40,769 --> 00:37:45,179
called Leonardo and they were on there

981
00:37:43,739 --> 00:37:47,789
to speak with her a little bit about her

982
00:37:45,179 --> 00:37:49,109
Cosmo quest website and then afterwards

983
00:37:47,789 --> 00:37:53,960
they wanted to speak with me because of

984
00:37:49,110 --> 00:37:56,670
my ambitions and plan to go live on Mars

985
00:37:53,960 --> 00:37:59,400
well let's get back to this wonderful

986
00:37:56,670 --> 00:38:02,550
and interesting ambition plan dream

987
00:37:59,400 --> 00:38:04,110
desire you have now a few weeks ago we

988
00:38:02,550 --> 00:38:06,090
had listeners from all around the world

989
00:38:04,110 --> 00:38:08,789
writing questions to you because you

990
00:38:06,090 --> 00:38:12,920
were locked away in the desert in Utah I

991
00:38:08,789 --> 00:38:15,630
think it was simulating a Mars mission

992
00:38:12,920 --> 00:38:18,539
living a little environment they're only

993
00:38:15,630 --> 00:38:20,280
going outside in a spacesuit how can you

994
00:38:18,539 --> 00:38:21,539
sum up that experience do you think it

995
00:38:20,280 --> 00:38:24,269
was worthwhile do you think you learned

996
00:38:21,539 --> 00:38:26,279
a lot it was definitely worthwhile i

997
00:38:24,269 --> 00:38:28,050
lurked a lot both because of the

998

00:38:26,280 --> 00:38:30,570
simulation itself and because of the

999
00:38:28,050 --> 00:38:33,390
people who myth i spent all this time

1000
00:38:30,570 --> 00:38:35,190
there were two people who work at NASA

1001
00:38:33,389 --> 00:38:37,230
Johnson Space Center and they're both

1002
00:38:35,190 --> 00:38:39,990
professionals within their field one of

1003
00:38:37,230 --> 00:38:41,250
them as an expert in space suits and the

1004
00:38:39,989 --> 00:38:43,409
other one is an expert in counter

1005
00:38:41,250 --> 00:38:46,710
measures which means how you can do

1006
00:38:43,409 --> 00:38:48,210
exercises to offset the typical type of

1007
00:38:46,710 --> 00:38:50,460
bone loss and muscular loss that you'd

1008
00:38:48,210 --> 00:38:53,220
experience in microgravity or event I

1009
00:38:50,460 --> 00:38:55,139
guess living in a habitat where you

1010
00:38:53,219 --> 00:38:57,029
can't spend a lot of time outside or

1011
00:38:55,139 --> 00:38:59,400
traveling distances in order to get

1012
00:38:57,030 --> 00:39:01,380

regular exercise and there was also

1013

00:38:59,400 --> 00:39:03,530

geologists there she told me taught me a

1014

00:39:01,380 --> 00:39:05,970

lot about how to find faults and

1015

00:39:03,530 --> 00:39:08,310

different types of rock formations and

1016

00:39:05,969 --> 00:39:09,299

it was very much an educational

1017

00:39:08,309 --> 00:39:11,159

experience for me for a variety of

1018

00:39:09,300 --> 00:39:12,690

reasons but of course then I got a

1019

00:39:11,159 --> 00:39:15,539

little bit of taste for what it would be

1020

00:39:12,690 --> 00:39:18,420

like to live and can find habitat in

1021

00:39:15,539 --> 00:39:21,389

isolation in area or everything is just

1022

00:39:18,420 --> 00:39:23,940

rock and there's no plants around you or

1023

00:39:21,389 --> 00:39:25,219

won't utter and when you go outside you

1024

00:39:23,940 --> 00:39:27,889

can't really interact with your

1025

00:39:25,219 --> 00:39:30,939

environment I was doing some research

1026

00:39:27,889 --> 00:39:35,318

there while more logistical experiments

1027
00:39:30,940 --> 00:39:37,329
to understand what I would need to do if

1028
00:39:35,318 --> 00:39:41,829
I were to come back and do like a blind

1029
00:39:37,329 --> 00:39:43,869
crossover study uh-huh and part of that

1030
00:39:41,829 --> 00:39:46,480
what I had to do was go out and do some

1031
00:39:43,869 --> 00:39:49,059
some EVs or extra vehicular activities

1032
00:39:46,480 --> 00:39:51,190
and I had a heart rate monitor on and

1033
00:39:49,059 --> 00:39:54,549
accelerometers and I would test my blood

1034
00:39:51,190 --> 00:39:56,050
glucose and ketones before and after

1035
00:39:54,550 --> 00:39:57,910
these easy a's and then I returned I

1036
00:39:56,050 --> 00:40:00,880
would do a series of cognitive tests and

1037
00:39:57,909 --> 00:40:02,409
so forth and wanted ended up doing was

1038
00:40:00,880 --> 00:40:04,180
exploring a lot of the train around me

1039
00:40:02,409 --> 00:40:06,909
and at the same time setting up some

1040
00:40:04,179 --> 00:40:09,368
standardized edas that I can then use

1041
00:40:06,909 --> 00:40:11,019
later on to test a variety of other

1042
00:40:09,369 --> 00:40:12,789
things like compounds that would then

1043
00:40:11,019 --> 00:40:15,579
offset the cognitive and muscular

1044
00:40:12,789 --> 00:40:18,639
fatigue that that ensues after a

1045
00:40:15,579 --> 00:40:21,099
strenuous EV aim on the third evaa so

1046
00:40:18,639 --> 00:40:24,480
this was after about ten days I had been

1047
00:40:21,099 --> 00:40:27,190
there I actually stumbled upon water

1048
00:40:24,480 --> 00:40:29,740
which was rather rather surprising mean

1049
00:40:27,190 --> 00:40:33,338
noon see service water on Mars would be

1050
00:40:29,739 --> 00:40:35,618
very astounding of course um but to see

1051
00:40:33,338 --> 00:40:40,509
it even at this high plateau desert in

1052
00:40:35,619 --> 00:40:42,730
Utah was was rather rather amazing and I

1053
00:40:40,510 --> 00:40:44,619
found it there and and it was just so

1054
00:40:42,730 --> 00:40:45,909
exciting to see this you know liquid

1055

00:40:44,619 --> 00:40:47,920
moving water was only a small brown

1056
00:40:45,909 --> 00:40:50,469
puddle but it was it was definitely

1057
00:40:47,920 --> 00:40:53,108
water nonetheless and I wanted to touch

1058
00:40:50,469 --> 00:40:54,699
it but I couldn't touch it because I'm

1059
00:40:53,108 --> 00:40:56,889
I'm in a spacesuit and you don't have

1060
00:40:54,699 --> 00:40:58,750
that ability to interact with with your

1061
00:40:56,889 --> 00:41:00,519
environment in the way that we can on

1062
00:40:58,750 --> 00:41:03,460
earth we can feel things and the wind

1063
00:41:00,519 --> 00:41:06,369
goes by we can smell and that's

1064
00:41:03,460 --> 00:41:08,650
definitely something which is which is

1065
00:41:06,369 --> 00:41:10,300
which was really hammered home into me

1066
00:41:08,650 --> 00:41:12,160
by the you know by that experience and

1067
00:41:10,300 --> 00:41:14,800
that was that was really important I

1068
00:41:12,159 --> 00:41:16,449
think that's a fascinating thing that

1069
00:41:14,800 --> 00:41:18,760

you bring up the wooden you go to Mars

1070

00:41:16,449 --> 00:41:20,379

or the first people go to Mars that will

1071

00:41:18,760 --> 00:41:22,599

be absolutely right there'll be no such

1072

00:41:20,380 --> 00:41:24,400

thing as in direct interaction with the

1073

00:41:22,599 --> 00:41:28,329

the Martian environmental will be done

1074

00:41:24,400 --> 00:41:30,400

through by ro wearing suits I imagine

1075

00:41:28,329 --> 00:41:31,750

though that from time to time samples

1076

00:41:30,400 --> 00:41:34,059

from the outside will be brought inside

1077

00:41:31,750 --> 00:41:36,130

and then people be able to physically

1078

00:41:34,059 --> 00:41:39,309

put their hands on things but for what I

1079

00:41:36,130 --> 00:41:42,160

understand what I've gleaned from

1080

00:41:39,309 --> 00:41:43,779

various reports about Mars I think one

1081

00:41:42,159 --> 00:41:44,799

of the biggest problems and you may know

1082

00:41:43,780 --> 00:41:47,500

something about this

1083

00:41:44,800 --> 00:41:52,680

they're anticipating is the ultra fine

1084
00:41:47,500 --> 00:41:58,210
dust mmm you know in the simulation site

1085
00:41:52,679 --> 00:41:59,739
there's actually a lot of fine dust that

1086
00:41:58,210 --> 00:42:02,170
got into the hab and got out on our

1087
00:41:59,739 --> 00:42:05,589
suits and got over everything but I

1088
00:42:02,170 --> 00:42:07,240
don't think it even compares and the

1089
00:42:05,590 --> 00:42:09,309
slightest way to the type of fine dust

1090
00:42:07,239 --> 00:42:11,079
that they have on Mars I was speaking to

1091
00:42:09,309 --> 00:42:15,519
the no Bert craft who's the chief

1092
00:42:11,079 --> 00:42:17,019
medical officer for Mars one and he was

1093
00:42:15,519 --> 00:42:21,579
saying to me that it's more like a smoke

1094
00:42:17,019 --> 00:42:24,699
that it is like a sand it's so fine that

1095
00:42:21,579 --> 00:42:26,949
in a relatively dense atmosphere like we

1096
00:42:24,699 --> 00:42:29,500
have on earth it would build around like

1097
00:42:26,949 --> 00:42:31,569
cigarette smoke but Mr as it settles

1098
00:42:29,500 --> 00:42:35,920
down to the ground because the air is so

1099
00:42:31,570 --> 00:42:38,830
thin this is you know pretty interesting

1100
00:42:35,920 --> 00:42:40,960
concepts and it will be everywhere and

1101
00:42:38,829 --> 00:42:42,730
we won't be able to to prevent it from

1102
00:42:40,960 --> 00:42:47,139
getting a side of the hab so let's hope

1103
00:42:42,730 --> 00:42:49,329
it's not poisonous yeah I just hope for

1104
00:42:47,139 --> 00:42:51,099
your sake that's true but if it does get

1105
00:42:49,329 --> 00:42:54,159
inside the habitat the habitat is going

1106
00:42:51,099 --> 00:42:58,389
to be of course pressurized to more or

1107
00:42:54,159 --> 00:43:00,639
less earth what sea level or I'm not

1108
00:42:58,389 --> 00:43:04,750
sure maybe you can fill us in so maybe

1109
00:43:00,639 --> 00:43:06,219
that could help it with the dust well it

1110
00:43:04,750 --> 00:43:07,900
probably won't be pressurized all the

1111
00:43:06,219 --> 00:43:09,579
way to sea level that's not really

1112

00:43:07,900 --> 00:43:12,539
necessary but it'll probably be about

1113
00:43:09,579 --> 00:43:15,279
sixty percent of sea-level pressure I

1114
00:43:12,539 --> 00:43:17,469
imagine something around that and then

1115
00:43:15,280 --> 00:43:19,810
of course it also be filters will

1116
00:43:17,469 --> 00:43:23,500
continually be scavenging the air anyway

1117
00:43:19,809 --> 00:43:25,900
for a comer dioxide and and replenishing

1118
00:43:23,500 --> 00:43:27,130
it with oxygen all the time so at the

1119
00:43:25,900 --> 00:43:29,139
same time we'll be able to filter out

1120
00:43:27,130 --> 00:43:31,690
quite a bit of the dust but it will get

1121
00:43:29,139 --> 00:43:33,279
inside that's that's that's for sure so

1122
00:43:31,690 --> 00:43:34,780
that's interesting I it's something I

1123
00:43:33,280 --> 00:43:36,310
did I only thought about when I asked

1124
00:43:34,780 --> 00:43:38,410
you the question the habitat will be

1125
00:43:36,309 --> 00:43:40,000
pressurized to make it habitable for

1126
00:43:38,409 --> 00:43:43,690

humans of course and you're suggesting

1127

00:43:40,000 --> 00:43:46,300

something around sixty percent of what

1128

00:43:43,690 --> 00:43:48,670

I'm experience now experiencing now here

1129

00:43:46,300 --> 00:43:50,140

at sea level what what does that equate

1130

00:43:48,670 --> 00:43:52,119

to would that be like living in

1131

00:43:50,139 --> 00:43:55,269

somewhere like Denver or even higher up

1132

00:43:52,119 --> 00:43:58,029

I'm not sure what that means I think

1133

00:43:55,269 --> 00:44:00,099

5,000 meters is about fifty percent

1134

00:43:58,030 --> 00:44:05,070

this is probably around 4,000 meters I

1135

00:44:00,099 --> 00:44:07,509

mean about that okay so completely and

1136

00:44:05,070 --> 00:44:10,420

acceptable for human existence for oh

1137

00:44:07,510 --> 00:44:13,090

yeah i mean that's like that's like the

1138

00:44:10,420 --> 00:44:16,960

peaks of many of the other mountains and

1139

00:44:13,090 --> 00:44:18,910

Switzerland where I ski so yeah oh you

1140

00:44:16,960 --> 00:44:22,449

can say goodbye to skiing if you go to

1141
00:44:18,909 --> 00:44:25,569
my let us be saying about a lot of

1142
00:44:22,449 --> 00:44:27,460
things Richard if you will be indeed so

1143
00:44:25,570 --> 00:44:29,380
where do you think the the base the

1144
00:44:27,460 --> 00:44:30,820
Martian base is going to be located on

1145
00:44:29,380 --> 00:44:32,880
Mars is it going to be near the equator

1146
00:44:30,820 --> 00:44:35,440
is it going to be near one of the poles

1147
00:44:32,880 --> 00:44:37,480
well won't be near one of the poles us

1148
00:44:35,440 --> 00:44:39,159
for sure be way too cold for that and

1149
00:44:37,480 --> 00:44:42,909
you also don't get too much summer down

1150
00:44:39,159 --> 00:44:45,399
there or up there but I will be right on

1151
00:44:42,909 --> 00:44:47,170
the equator either it'll be slightly

1152
00:44:45,400 --> 00:44:51,550
north of the Equator maybe 10 20 degrees

1153
00:44:47,170 --> 00:44:53,680
north the exact position and within that

1154
00:44:51,550 --> 00:44:57,100
region of course isn't isn't really

1155
00:44:53,679 --> 00:44:58,659
understood just yet but the reason why

1156
00:44:57,099 --> 00:45:00,190
they want to choose a location like that

1157
00:44:58,659 --> 00:45:02,289
is because the northern hemisphere is

1158
00:45:00,190 --> 00:45:04,059
much more moist as in you could find a

1159
00:45:02,289 --> 00:45:05,920
lot more water contained in the soil

1160
00:45:04,059 --> 00:45:07,869
there you also want to be relatively

1161
00:45:05,920 --> 00:45:09,880
close to the equator to make things as

1162
00:45:07,869 --> 00:45:12,309
warm as possible and to give yourself

1163
00:45:09,880 --> 00:45:16,090
you know lots of access to sunlight all

1164
00:45:12,309 --> 00:45:20,019
year round okay what makes perfect sense

1165
00:45:16,090 --> 00:45:22,570
to me well bash I'm again I'm I can't

1166
00:45:20,019 --> 00:45:25,059
tell you how envious i am that you're at

1167
00:45:22,570 --> 00:45:26,680
the film festival and all emotes it's a

1168
00:45:25,059 --> 00:45:29,679
wonderful festival i had such a good

1169

00:45:26,679 --> 00:45:32,079
time last year was so many documentaries

1170
00:45:29,679 --> 00:45:35,199
that you and i both viewed last year it

1171
00:45:32,079 --> 00:45:37,360
was just fantastic ah who knows maybe i

1172
00:45:35,199 --> 00:45:39,069
can be there one day again it's

1173
00:45:37,360 --> 00:45:42,570
certainly a lot easier to visit you

1174
00:45:39,070 --> 00:45:42,570
there then it would be on mass i think

1175
00:45:44,579 --> 00:45:48,699
although you know I wouldn't rule that

1176
00:45:46,599 --> 00:45:50,650
out if someone was kind enough to donate

1177
00:45:48,699 --> 00:45:57,389
a round-trip to Mars I'd certainly

1178
00:45:50,650 --> 00:46:01,150
consider taking it you know Richard um

1179
00:45:57,389 --> 00:46:02,799
when I was here I gave this talk in the

1180
00:46:01,150 --> 00:46:05,050
chapel remember the room that we did

1181
00:46:02,800 --> 00:46:06,430
last year in the chapel yes you give a

1182
00:46:05,050 --> 00:46:09,210
talk to chapel then I gave them one

1183
00:46:06,429 --> 00:46:11,199

later with with Andrew

1184

00:46:09,210 --> 00:46:14,019
so this year they booked me into the

1185

00:46:11,199 --> 00:46:17,889
chapter chapel Matty I wrote like a very

1186

00:46:14,019 --> 00:46:20,289
enticing description for for people to

1187

00:46:17,889 --> 00:46:22,029
come in and put me first in the book so

1188

00:46:20,289 --> 00:46:24,969
that a lot of people saw it and the

1189

00:46:22,030 --> 00:46:26,440
chapel completely packed out and there

1190

00:46:24,969 --> 00:46:29,919
was more people standing than sitting

1191

00:46:26,440 --> 00:46:33,519
Wow and I was in there and I I really

1192

00:46:29,920 --> 00:46:36,220
like to engage people in science by

1193

00:46:33,519 --> 00:46:38,019
letting them be the drivers of the

1194

00:46:36,219 --> 00:46:39,519
discussion because when somebody asks a

1195

00:46:38,019 --> 00:46:41,320
question it's because they're curious

1196

00:46:39,519 --> 00:46:45,099
and when somebody's curious they

1197

00:46:41,320 --> 00:46:46,450
remember the answer and so I gave like I

1198
00:46:45,099 --> 00:46:49,239
showed a few pictures from the

1199
00:46:46,449 --> 00:46:51,429
simulation site and I showed them a nice

1200
00:46:49,239 --> 00:46:53,079
diagram that I had made to explain you

1201
00:46:51,429 --> 00:46:55,419
know how we get from Earth to Mars and

1202
00:46:53,079 --> 00:46:59,650
the physics of it and then i just opened

1203
00:46:55,420 --> 00:47:01,960
up the floor for discussions and and i

1204
00:46:59,650 --> 00:47:04,599
went on for an hour and a half straight

1205
00:47:01,960 --> 00:47:06,909
people just asked questions a time and

1206
00:47:04,599 --> 00:47:09,039
one person kept asking questions was

1207
00:47:06,909 --> 00:47:10,480
this little boy named seven years old

1208
00:47:09,039 --> 00:47:13,480
was seven years old eight years old

1209
00:47:10,480 --> 00:47:15,789
maybe named domonique and then I've met

1210
00:47:13,480 --> 00:47:18,400
him a few times since then and he's

1211
00:47:15,789 --> 00:47:21,309
absolutely convinced that that he wants

1212
00:47:18,400 --> 00:47:24,360
to go to Mars as well now and would be

1213
00:47:21,309 --> 00:47:27,099
very pleased to meet me there yes sir

1214
00:47:24,360 --> 00:47:29,380
and his parents are wonderful people too

1215
00:47:27,099 --> 00:47:31,179
and it was it was really i mean this

1216
00:47:29,380 --> 00:47:32,860
this festival is very special in that

1217
00:47:31,179 --> 00:47:35,739
regard that you really have a chance to

1218
00:47:32,860 --> 00:47:38,829
meet with the public and just and talk

1219
00:47:35,739 --> 00:47:39,969
to people and and you were here last

1220
00:47:38,829 --> 00:47:42,789
year and you know what it's like in the

1221
00:47:39,969 --> 00:47:45,189
night I couldn't say anything negative

1222
00:47:42,789 --> 00:47:47,500
about a foe it's really it's really an

1223
00:47:45,190 --> 00:47:49,539
inspirational place for the people who

1224
00:47:47,500 --> 00:47:52,329
come to see the films for the filmmakers

1225
00:47:49,539 --> 00:47:56,110
and for the local scientists that show

1226

00:47:52,329 --> 00:47:58,329
up to to do their part to that's it it's

1227
00:47:56,110 --> 00:48:00,460
pretty awesome here I'd have to agree on

1228
00:47:58,329 --> 00:48:02,429
top of that I would say that the little

1229
00:48:00,460 --> 00:48:04,990
city of all emotes is one of the most

1230
00:48:02,429 --> 00:48:08,049
charming places I've ever been to in my

1231
00:48:04,989 --> 00:48:10,119
life with the the the town square the

1232
00:48:08,050 --> 00:48:12,880
town squares plural I should say and

1233
00:48:10,119 --> 00:48:14,859
that wonderful st. Michael's Church

1234
00:48:12,880 --> 00:48:16,750
where you can go right up to the belfry

1235
00:48:14,860 --> 00:48:19,300
and be standing next to the huge bills

1236
00:48:16,750 --> 00:48:21,010
when they go off thats that's something

1237
00:48:19,300 --> 00:48:21,560
special I remember your video from that

1238
00:48:21,010 --> 00:48:24,740
I was bill

1239
00:48:21,559 --> 00:48:26,360
Italy done well I tell you what in the

1240
00:48:24,739 --> 00:48:28,549

show notes this week folks i'll link to

1241

00:48:26,360 --> 00:48:30,800
information about the first festival

1242

00:48:28,550 --> 00:48:33,080
there in all emotes i'll link to the

1243

00:48:30,800 --> 00:48:34,789
video I made about standing next to the

1244

00:48:33,079 --> 00:48:38,059
ringing bells and I'll certainly add

1245

00:48:34,789 --> 00:48:40,730
more information about our guests all

1246

00:48:38,059 --> 00:48:44,269
the way from the Czech Republic doctor

1247

00:48:40,730 --> 00:48:47,889
Saab well bash again now continued warm

1248

00:48:44,269 --> 00:48:51,019
wishes for a successful process on your

1249

00:48:47,889 --> 00:48:53,589
hopeful journey to Mars thank you very

1250

00:48:51,019 --> 00:48:53,590
much richer

1251

00:49:09,079 --> 00:49:11,139
you

1252

00:49:16,030 --> 00:49:21,470
but gasps yours is an award-winning

1253

00:49:18,500 --> 00:49:24,349
weekly science show in French hosted by

1254

00:49:21,469 --> 00:49:26,629
a bunch of crazy enthusiasts we are

1255
00:49:24,349 --> 00:49:29,000
convinced that the greatest ideas in

1256
00:49:26,630 --> 00:49:31,220
science are quite easy to grasp as long

1257
00:49:29,000 --> 00:49:33,769
as they are presented with passion using

1258
00:49:31,219 --> 00:49:35,929
a vocabulary common to all curious minds

1259
00:49:33,769 --> 00:49:38,750
whatever their academic background if

1260
00:49:35,929 --> 00:49:41,750
any you don't understand French yet oh

1261
00:49:38,750 --> 00:49:43,639
it's never too late all our stories have

1262
00:49:41,750 --> 00:49:45,409
a written transcript on the website and

1263
00:49:43,639 --> 00:49:47,539
people from all around the world are

1264
00:49:45,409 --> 00:49:50,629
using our content to learn Maria's

1265
00:49:47,539 --> 00:49:53,090
language our topics range from 0 to

1266
00:49:50,630 --> 00:49:55,430
infinity from evolution to artificial

1267
00:49:53,090 --> 00:49:58,070
life from electromagnetism to the

1268
00:49:55,429 --> 00:50:01,279
science of introverts we just love

1269
00:49:58,070 --> 00:50:04,070
mathematics science critical thinking so

1270
00:50:01,280 --> 00:50:05,780
do you want to join you can subscribe to

1271
00:50:04,070 --> 00:50:08,480
the podcast for free from our website

1272
00:50:05,780 --> 00:50:11,120
podcast science tops FM that's in one

1273
00:50:08,480 --> 00:50:13,789
word you also find us on itunes and

1274
00:50:11,119 --> 00:50:15,500
soundcloud see you soon hopefully at

1275
00:50:13,789 --> 00:50:18,070
losing a year at the others or

1276
00:50:15,500 --> 00:50:18,070
pedestrians

1277
00:50:33,489 --> 00:50:39,169
thank you for listening to the skeptic

1278
00:50:35,780 --> 00:50:42,140
zone this week Mars I wonder if there's

1279
00:50:39,170 --> 00:50:43,880
any chocolate on Mars first mission they

1280
00:50:42,139 --> 00:50:45,529
get Mars and they open up the door there

1281
00:50:43,880 --> 00:50:47,180
step out on the Martian surface and

1282
00:50:45,530 --> 00:50:49,309
there are chocolate Easter Egg scattered

1283

00:50:47,179 --> 00:50:52,038
about for kids to find that can be

1284
00:50:49,309 --> 00:50:54,319
dreaming about the night Hey look if

1285
00:50:52,039 --> 00:50:57,289
you're in Sydney in november this year

1286
00:50:54,318 --> 00:50:58,730
november the 28th 29th and 30th come

1287
00:50:57,289 --> 00:51:00,980
along to the australian skeptics

1288
00:50:58,730 --> 00:51:03,010
national convention our special guests

1289
00:51:00,980 --> 00:51:06,019
are the skeptics guide to the universe

1290
00:51:03,010 --> 00:51:08,089
george rub dick smith will be there dr.

1291
00:51:06,019 --> 00:51:10,099
kyle cruising iski lots of other

1292
00:51:08,088 --> 00:51:11,869
speakers yet to be announced dr. rachel

1293
00:51:10,099 --> 00:51:13,789
Dunlop of course will be giving a very

1294
00:51:11,869 --> 00:51:18,588
interesting talk as she always does

1295
00:51:13,789 --> 00:51:21,410
tickets available at wwc optics com a

1296
00:51:18,588 --> 00:51:23,449
you don't miss out this will be one of

1297
00:51:21,409 --> 00:51:26,058

the biggest conventions skeptical

1298

00:51:23,449 --> 00:51:28,509

conventions held in Australia well since

1299

00:51:26,059 --> 00:51:31,010

the amazing meeting in twenty ten and

1300

00:51:28,510 --> 00:51:33,770

before I go a big THANK YOU of course as

1301

00:51:31,010 --> 00:51:37,970

ever to those wonderful people who kick

1302

00:51:33,769 --> 00:51:41,449

in contribute chip in tithe no that's

1303

00:51:37,969 --> 00:51:45,919

the wrong word help out the skeptic zone

1304

00:51:41,449 --> 00:51:48,078

by donating less than a dollar a week 99

1305

00:51:45,920 --> 00:51:50,480

cents a week I think it is or something

1306

00:51:48,079 --> 00:51:54,079

ridiculous like that less than a cup of

1307

00:51:50,480 --> 00:51:57,619

coffee as they say via paypal at skeptic

1308

00:51:54,079 --> 00:52:00,200

zone TV and your contribution

1309

00:51:57,619 --> 00:52:02,510

collectively means the show keeps going

1310

00:52:00,199 --> 00:52:05,149

it's as simple as that and a big

1311

00:52:02,510 --> 00:52:07,039

shout-out to maynard yourself wonderful

1312
00:52:05,150 --> 00:52:09,440
friend maynard a couple of weeks ago I

1313
00:52:07,039 --> 00:52:12,049
went to what they call them mad club

1314
00:52:09,440 --> 00:52:15,409
reunion which is a great afternoon in a

1315
00:52:12,048 --> 00:52:18,079
record bar in Sydney upstairs music and

1316
00:52:15,409 --> 00:52:20,808
silly antics going on may not carrying

1317
00:52:18,079 --> 00:52:22,369
on it was terrific fun and I'll add a

1318
00:52:20,809 --> 00:52:24,500
link to the show notes where you can

1319
00:52:22,369 --> 00:52:27,940
listen for yourself and see some

1320
00:52:24,500 --> 00:52:30,858
photographs from mad club with Maynard

1321
00:52:27,940 --> 00:52:33,619
but for now for all before I go before I

1322
00:52:30,858 --> 00:52:35,568
go a couple of days ago I went to the

1323
00:52:33,619 --> 00:52:38,690
royal easter show here in Sydney

1324
00:52:35,568 --> 00:52:41,239
big country fair so to speak but it's

1325
00:52:38,690 --> 00:52:44,088
huge its massive it's a huge show of

1326
00:52:41,239 --> 00:52:46,338
carnival rides and exhibitions and all

1327
00:52:44,088 --> 00:52:48,699
sorts of things i came across the little

1328
00:52:46,338 --> 00:52:51,588
stand little stall the little booth of

1329
00:52:48,699 --> 00:52:53,108
singing bowls people selling singing

1330
00:52:51,588 --> 00:52:57,978
bowls which are metallic bowls and you

1331
00:52:53,108 --> 00:52:59,900
you sort of run around the rim with a

1332
00:52:57,978 --> 00:53:02,118
little tongue or something and they make

1333
00:52:59,900 --> 00:53:04,778
wonderful vibrations and they sound

1334
00:53:02,119 --> 00:53:07,039
really great but one of their claims

1335
00:53:04,778 --> 00:53:09,619
written on their wall is that the

1336
00:53:07,039 --> 00:53:12,829
singing bowls will cleanse food and

1337
00:53:09,619 --> 00:53:15,680
water needless to say I had a chat with

1338
00:53:12,829 --> 00:53:17,930
the people at the stand there they

1339
00:53:15,679 --> 00:53:19,518
didn't quite understand when I said well

1340

00:53:17,929 --> 00:53:22,068
what do they cleanse how do they cleanse

1341
00:53:19,518 --> 00:53:24,139
they kill bacteria they were very

1342
00:53:22,068 --> 00:53:26,659
confused part of the thing is of course

1343
00:53:24,139 --> 00:53:30,978
that these people simply aren't used to

1344
00:53:26,659 --> 00:53:32,868
having people ask them questions cleanse

1345
00:53:30,978 --> 00:53:34,879
food and water well of course these both

1346
00:53:32,869 --> 00:53:37,309
can't cleans food they can't make them

1347
00:53:34,880 --> 00:53:39,108
clean they can't kill bacteria and so on

1348
00:53:37,309 --> 00:53:41,930
and so forth if you're going to the

1349
00:53:39,108 --> 00:53:44,568
Royal is to show in Sydney and you come

1350
00:53:41,929 --> 00:53:47,298
across the stand of singing bowls you

1351
00:53:44,568 --> 00:53:50,690
might well ask them how these balls

1352
00:53:47,298 --> 00:53:52,400
actually cleanse food and water you know

1353
00:53:50,690 --> 00:53:56,420
what we might get them to change that

1354
00:53:52,400 --> 00:53:59,930

claim it's a bit misleading I think Rand

1355

00:53:56,420 --> 00:54:02,420

over so for this week this is Richard

1356

00:53:59,929 --> 00:54:08,419

Saunders signing off from Sydney

1357

00:54:02,420 --> 00:54:10,139

Australia you've been listening to the

1358

00:54:08,420 --> 00:54:14,970

skeptic zone

1359

00:54:10,139 --> 00:54:18,000

visit our website at [www.skeptics on TV](http://www.skepticsontv.com)

1360

00:54:14,969 --> 00:54:20,659

for comments contacts and extra video

1361

00:54:18,000 --> 00:54:20,659

reports

1362

00:54:23,588 --> 00:54:25,619

Oh