

1
00:00:05,929 --> 00:00:13,699
welcome to the skeptic zone the podcast

2
00:00:09,089 --> 00:00:13,699
from Australia for science and reason

3
00:00:23,268 --> 00:00:29,339
yes it's the skeptic zonal very last

4
00:00:27,118 --> 00:00:32,689
skipping zone for 2011 Richard Saunders

5
00:00:29,339 --> 00:00:36,450
here coming to you from Sydney Australia

6
00:00:32,689 --> 00:00:40,738
it's New Years Eve New Year's Eve and

7
00:00:36,450 --> 00:00:42,899
this is episode number 167 we're going

8
00:00:40,738 --> 00:00:45,449
to be speaking on this episode with

9
00:00:42,899 --> 00:00:48,120
Daniel Rafael and Phil Kent from the

10
00:00:45,450 --> 00:00:50,550
stop the avian facebook group stop the

11
00:00:48,119 --> 00:00:54,000
Australian vaccination Network the

12
00:00:50,549 --> 00:00:56,069
vaccination 10 work ah we'll never get

13
00:00:54,000 --> 00:00:58,799
over the fact that they call themselves

14
00:00:56,070 --> 00:01:01,829
the vaccination Network reminds me of

15
00:00:58,799 --> 00:01:04,700
our 1984 haven't read that for a long

16
00:01:01,829 --> 00:01:08,909
time things like the ministry for

17
00:01:04,700 --> 00:01:10,530
information were stifling information

18
00:01:08,909 --> 00:01:12,750
and so on and so on so the Australian

19
00:01:10,530 --> 00:01:14,820
vaccination group aren't interested in

20
00:01:12,750 --> 00:01:18,959
vaccination they're interested in you

21
00:01:14,819 --> 00:01:21,658
not vaccinating your children against

22
00:01:18,959 --> 00:01:24,118
deadly diseases you've heard it all

23
00:01:21,659 --> 00:01:25,650
before on the skeptic zone we're going

24
00:01:24,118 --> 00:01:28,530
to be talking to daniel and phil from

25
00:01:25,650 --> 00:01:30,450
may stop the avian group about the

26
00:01:28,530 --> 00:01:33,390
recent activities up in queensland at

27
00:01:30,450 --> 00:01:36,000
the Woodford Folk Festival where the

28
00:01:33,390 --> 00:01:40,579
group chartered a light airplane to fly

29

00:01:36,000 --> 00:01:43,290
around above the festival with a banner

30
00:01:40,578 --> 00:01:46,500
trailing a banner that said vaccination

31
00:01:43,290 --> 00:01:49,200
saves lives I wish I could have been

32
00:01:46,500 --> 00:01:52,828
there to see that firsthand hear all

33
00:01:49,200 --> 00:01:56,189
about it coming up shortly after that we

34
00:01:52,828 --> 00:01:58,218
have dr. Reggie reports now she's going

35
00:01:56,188 --> 00:02:03,239
to be speaking to a colleague of hers

36
00:01:58,218 --> 00:02:06,239
dr. Coren stalky at the heart Research

37
00:02:03,239 --> 00:02:09,719
Institute here in Sydney about his

38
00:02:06,239 --> 00:02:12,959
research into why sugar is good for your

39
00:02:09,719 --> 00:02:16,979
heart they and why your breath can

40
00:02:12,959 --> 00:02:19,979
really stink and what's Brazil nuts got

41
00:02:16,979 --> 00:02:22,439
to do with it but of a mixed bag dr.

42
00:02:19,979 --> 00:02:26,669
Reggie that's coming up later in the

43
00:02:22,439 --> 00:02:29,520

show and of course if you go to www pics

44

00:02:26,669 --> 00:02:32,219

on TV you can look at the show notes

45

00:02:29,520 --> 00:02:34,219

with links to the various things will be

46

00:02:32,219 --> 00:02:36,810

discussing on today's show including

47

00:02:34,219 --> 00:02:39,750

including that interesting work into

48

00:02:36,810 --> 00:02:42,628

heart research now I'm very excited

49

00:02:39,750 --> 00:02:45,389

folks very excited not only because it's

50

00:02:42,628 --> 00:02:48,359

New Years Eve I'm excited because very

51

00:02:45,389 --> 00:02:50,818

early next year next week in fact dr.

52

00:02:48,360 --> 00:02:54,269

Rachel and i'll be heading for those ABC

53

00:02:50,818 --> 00:02:57,089

Studios here in Sydney to join Maynard

54

00:02:54,269 --> 00:03:00,599

growl Maynard for a new program coming

55

00:02:57,090 --> 00:03:03,930

up called the dirty disbelievers and the

56

00:03:00,598 --> 00:03:05,939

blurb says every weekend 6pm starting

57

00:03:03,930 --> 00:03:08,250

the seventh of January across Australia

58
00:03:05,939 --> 00:03:11,479
on ABC local radio digital radio and

59
00:03:08,250 --> 00:03:16,019
online Maynard will be hosting the dirty

60
00:03:11,479 --> 00:03:19,318
disbelievers radio show look out for

61
00:03:16,019 --> 00:03:21,959
special guests dr. Richie and myself

62
00:03:19,318 --> 00:03:25,139
Richard Saunders amongst others for more

63
00:03:21,959 --> 00:03:28,110
information just go to facebook and

64
00:03:25,139 --> 00:03:32,219
search for dirty disbelievers or check

65
00:03:28,110 --> 00:03:35,400
out the link at skeptic zone TV can't

66
00:03:32,219 --> 00:03:37,169
wait for that what fun that will be but

67
00:03:35,400 --> 00:03:40,250
let's not wait anymore I know you've got

68
00:03:37,169 --> 00:03:43,589
New Year's Eve parties to go to I

69
00:03:40,250 --> 00:03:46,318
haven't no no I haven't got a new year's

70
00:03:43,590 --> 00:03:48,780
eve party to go to I think I'll just sit

71
00:03:46,318 --> 00:03:53,009
back on my favorite couch and watch a

72
00:03:48,780 --> 00:03:56,640
good DVD have a cup of tea and then go

73
00:03:53,009 --> 00:03:58,979
to bed or something like that but before

74
00:03:56,639 --> 00:04:02,089
that happens let's all listen to the

75
00:03:58,979 --> 00:04:02,090
skeptic zone

76
00:04:22,980 --> 00:04:25,040
you

77
00:04:39,168 --> 00:04:45,859
oh yes and those delightful notes

78
00:04:43,788 --> 00:04:48,589
walking across the internet of the

79
00:04:45,860 --> 00:04:50,240
Nutcracker The Nutcracker an interesting

80
00:04:48,589 --> 00:04:52,998
choice of music to introduce this

81
00:04:50,240 --> 00:04:55,879
segment about the activities of the stop

82
00:04:52,999 --> 00:04:58,159
Australian vaccination network group i'd

83
00:04:55,879 --> 00:05:01,939
like to welcome to the show Daniel

84
00:04:58,158 --> 00:05:05,209
Rafael hello Daniel I Richard I and Phil

85
00:05:01,939 --> 00:05:07,819
Kent hello Phil Hawaii I'm doing really

86

00:05:05,209 --> 00:05:10,968
well I was tickled pink when I found out

87
00:05:07,819 --> 00:05:13,729
just the other day what was going on up

88
00:05:10,968 --> 00:05:16,610
there at the Woodford Folk Festival and

89
00:05:13,728 --> 00:05:18,399
as I was just having quick chat chat to

90
00:05:16,610 --> 00:05:21,379
you before the interview started I

91
00:05:18,399 --> 00:05:22,938
little old me simply the vice president

92
00:05:21,379 --> 00:05:24,710
of Australian skeptics been on the

93
00:05:22,939 --> 00:05:28,999
committee for ten years out and about

94
00:05:24,709 --> 00:05:31,068
had no clue about the fun and games that

95
00:05:28,999 --> 00:05:33,469
was to unfold at the Woodford Folk

96
00:05:31,069 --> 00:05:34,908
Festival we're going to get to that

97
00:05:33,468 --> 00:05:36,889
pretty soon we're going to talk about

98
00:05:34,908 --> 00:05:40,908
that soon but Daniel from your point of

99
00:05:36,889 --> 00:05:44,569
view let's discuss the formation and the

100
00:05:40,908 --> 00:05:46,848

reasons behind the stop the avian or

101

00:05:44,569 --> 00:05:49,879

stop the Australian vaccination network

102

00:05:46,848 --> 00:05:51,800

group which is really a Facebook group

103

00:05:49,879 --> 00:05:55,370

isn't it is here I mean we're not

104

00:05:51,800 --> 00:05:56,870

incorporated we're not our earlier we're

105

00:05:55,370 --> 00:06:00,740

not really anything except a collection

106

00:05:56,870 --> 00:06:03,908

of concerned citizens it started back in

107

00:06:00,740 --> 00:06:07,250

two thousand nine you may recall a

108

00:06:03,908 --> 00:06:11,019

channel seven did a segment on the

109

00:06:07,250 --> 00:06:13,158

sunday night program which was a

110

00:06:11,019 --> 00:06:15,829

actually really good piece on

111

00:06:13,158 --> 00:06:17,569

vaccinations and as it was a really good

112

00:06:15,829 --> 00:06:21,878

piece on vaccinations Merrill dori was

113

00:06:17,569 --> 00:06:25,460

not happy with it and contacted the the

114

00:06:21,879 --> 00:06:28,009

studio and wanted to have a community

115
00:06:25,459 --> 00:06:29,778
forum type ah deal and that's what she

116
00:06:28,009 --> 00:06:32,990
got the very next week and I went along

117
00:06:29,778 --> 00:06:35,060
to that along with dr. H E and me and

118
00:06:32,990 --> 00:06:37,399
you and rat bags and there were a couple

119
00:06:35,060 --> 00:06:41,978
of others there and we sat in the

120
00:06:37,399 --> 00:06:46,999
audience and and just listen to her

121
00:06:41,978 --> 00:06:49,968
speak and I I mean with what she was

122
00:06:46,999 --> 00:06:52,399
saying I was sitting there thinking how

123
00:06:49,968 --> 00:06:52,939
has how has she got so much credence in

124
00:06:52,399 --> 00:06:57,050
the media

125
00:06:52,939 --> 00:06:59,839
don't understand it I mean Mike Monroe

126
00:06:57,050 --> 00:07:00,949
who was some who was comparing that the

127
00:06:59,839 --> 00:07:03,829
whole thing was it was actually pretty

128
00:07:00,949 --> 00:07:06,939
good at taking it a task but I feel she

129
00:07:03,829 --> 00:07:12,979
got a little bit too much free time and

130
00:07:06,939 --> 00:07:14,839
I went home that day really determined

131
00:07:12,980 --> 00:07:16,550
to do something and I just I didn't know

132
00:07:14,839 --> 00:07:18,399
what to do so I just started a Facebook

133
00:07:16,550 --> 00:07:21,290
group that was about the limit of my

134
00:07:18,399 --> 00:07:24,139
resources at the time and it just kind

135
00:07:21,290 --> 00:07:26,450
of went from there yes well I will

136
00:07:24,139 --> 00:07:28,669
remember being in the studio audience

137
00:07:26,449 --> 00:07:30,319
for that taping was a sort of the second

138
00:07:28,670 --> 00:07:33,350
part of the channel seven story on

139
00:07:30,319 --> 00:07:35,509
vaccinations yeah and we were sort of

140
00:07:33,350 --> 00:07:38,270
all on one side and Meryl Dory and her

141
00:07:35,509 --> 00:07:40,099
friends or flying monkeys as we call

142
00:07:38,269 --> 00:07:44,089
them were sort of in there on the other

143

00:07:40,100 --> 00:07:47,300
side and what it's a classic because

144
00:07:44,089 --> 00:07:48,979
it's from that time that show that we

145
00:07:47,300 --> 00:07:51,379
get the wonderful quote from merrill

146
00:07:48,980 --> 00:07:54,020
dory I have a brain to or something like

147
00:07:51,379 --> 00:07:59,899
that and I'd like to rip up that if I

148
00:07:54,019 --> 00:08:02,269
may no I say my cat has a brain and a

149
00:07:59,899 --> 00:08:04,668
while back my cat managed to knock out

150
00:08:02,269 --> 00:08:08,089
the power to the entire house by

151
00:08:04,668 --> 00:08:10,370
peddling into a powerpoint now is she

152
00:08:08,089 --> 00:08:16,159
qualified then to give advice on

153
00:08:10,370 --> 00:08:19,699
vaccinations so it would seem Valley all

154
00:08:16,160 --> 00:08:21,830
you need is it as a brain well that's

155
00:08:19,699 --> 00:08:24,139
what you said I would what did she also

156
00:08:21,829 --> 00:08:25,579
said she'd be researching at phipps so

157
00:08:24,139 --> 00:08:29,089

many years or something like that where

158

00:08:25,579 --> 00:08:30,709

she had a brain yeah yeah well I mean we

159

00:08:29,089 --> 00:08:35,649

could probably have another whole

160

00:08:30,709 --> 00:08:38,210

episode devoted to her particular

161

00:08:35,649 --> 00:08:39,649

psychological profile and why do I have

162

00:08:38,210 --> 00:08:43,610

a song from The Wizard of Oz going

163

00:08:39,649 --> 00:08:47,088

through my head right yes i'll try not

164

00:08:43,610 --> 00:08:50,839

to mention flying monkey me and and how

165

00:08:47,089 --> 00:08:55,130

people like Meryl can Meryl Dori can be

166

00:08:50,839 --> 00:08:58,010

so bled one might one might say do

167

00:08:55,129 --> 00:09:02,120

you think that she truly is sees herself

168

00:08:58,009 --> 00:09:04,700

as the the leader of a quest yes yeah um

169

00:09:02,120 --> 00:09:07,700

I think it's why she she has

170

00:09:04,700 --> 00:09:13,100

a hard time admitting when she's

171

00:09:07,700 --> 00:09:17,060

blatantly wrong it's hard for me to sort

172
00:09:13,100 --> 00:09:25,370
of think in the same way as her I can't

173
00:09:17,059 --> 00:09:27,049
imagine being so deluded by your own way

174
00:09:25,370 --> 00:09:30,340
of thinking that you can't let anything

175
00:09:27,049 --> 00:09:33,049
else in yeah and it does it is like a

176
00:09:30,340 --> 00:09:35,060
religious zeal or really it is yes quest

177
00:09:33,049 --> 00:09:36,799
isn't that the term true believer comes

178
00:09:35,059 --> 00:09:39,229
you know you know comes into it i think

179
00:09:36,799 --> 00:09:40,909
and she's she certainly believes

180
00:09:39,230 --> 00:09:42,680
everything she says and she's got people

181
00:09:40,909 --> 00:09:46,490
who believe everything that she says

182
00:09:42,679 --> 00:09:49,939
even even when it's contradicted timing

183
00:09:46,490 --> 00:09:52,009
on again yeah yeah i mean that's the

184
00:09:49,940 --> 00:09:54,740
mean me not being qualified to talk

185
00:09:52,009 --> 00:09:56,809
about that sort of state i mean although

186
00:09:54,740 --> 00:09:59,149
we observe this of course in the

187
00:09:56,809 --> 00:10:02,089
skeptics many times we a true believers

188
00:09:59,149 --> 00:10:03,529
all of all flavors that's how it appears

189
00:10:02,090 --> 00:10:07,250
to me but it would be interesting to get

190
00:10:03,529 --> 00:10:09,559
some a professional to give it would be

191
00:10:07,250 --> 00:10:11,179
in what area interesting i'd like to see

192
00:10:09,559 --> 00:10:13,219
that actually but i've heard some

193
00:10:11,179 --> 00:10:16,009
opinions but they're not something we

194
00:10:13,220 --> 00:10:20,509
can share on the air mezzaluna there's a

195
00:10:16,009 --> 00:10:22,429
line num from Fawlty Towers that some I

196
00:10:20,509 --> 00:10:24,919
like that the in the episode called the

197
00:10:22,429 --> 00:10:26,479
psychiatrists yeah um and the

198
00:10:24,919 --> 00:10:29,509
psychiatrist is walking down the stairs

199
00:10:26,480 --> 00:10:31,789
after after you know seeing Basil Fawlty

200

00:10:29,509 --> 00:10:34,460
up to his old tricks and says to his

201
00:10:31,789 --> 00:10:36,740
wife there's enough material there for

202
00:10:34,460 --> 00:10:43,730
an entire conference

203
00:10:36,740 --> 00:10:45,620
I will I remember that line years I

204
00:10:43,730 --> 00:10:49,220
remember that line that's very good and

205
00:10:45,620 --> 00:10:51,080
well we might dwell on this topic for a

206
00:10:49,220 --> 00:10:52,580
moment because then there's the other

207
00:10:51,080 --> 00:10:54,350
part to it of course which is her

208
00:10:52,580 --> 00:10:58,009
minions the flying monkey yes who

209
00:10:54,350 --> 00:11:00,080
believe this which are there come rain

210
00:10:58,009 --> 00:11:02,450
hail or shine and praise her endlessly

211
00:11:00,080 --> 00:11:06,970
on on the intertubes yeah it really is a

212
00:11:02,450 --> 00:11:09,800
bit of a case that isn't it is it's some

213
00:11:06,970 --> 00:11:11,300
we've likened to the avian to a cult for

214
00:11:09,799 --> 00:11:13,990

a long time and we've actually gone

215

00:11:11,299 --> 00:11:18,500

through the the checklist of a cult and

216

00:11:13,990 --> 00:11:21,980

the avian ticks every box for it yeah

217

00:11:18,500 --> 00:11:25,159

it's not it can't be really really can't

218

00:11:21,980 --> 00:11:27,800

be called anything else it's fascinating

219

00:11:25,159 --> 00:11:29,360

and of course one of the things i find

220

00:11:27,799 --> 00:11:31,338

endlessly interesting in this whole

221

00:11:29,360 --> 00:11:35,379

business is the way that the other side

222

00:11:31,339 --> 00:11:39,440

for lack of a better term will use

223

00:11:35,379 --> 00:11:41,360

things against us criticisms one of them

224

00:11:39,440 --> 00:11:43,160

is of course that we are all sheeple and

225

00:11:41,360 --> 00:11:45,950

we just follow the cult leader without

226

00:11:43,159 --> 00:11:47,389

thinking if i can tell you friends if

227

00:11:45,950 --> 00:11:49,310

you could see me now interviewing you

228

00:11:47,389 --> 00:11:51,500

too you can't see me but i'm i'm not

229

00:11:49,309 --> 00:11:53,299

very i'm not very glamorous it's a hot

230

00:11:51,500 --> 00:11:54,708

day and i don't care i'm wearing at eric

231

00:11:53,299 --> 00:11:58,250

track attacks that are torn at the back

232

00:11:54,708 --> 00:12:01,489

there you go so what I'm trying what I'm

233

00:11:58,250 --> 00:12:03,470

trying to say is we all are very pleased

234

00:12:01,490 --> 00:12:05,299

if people listen to what we have to say

235

00:12:03,470 --> 00:12:07,579

but heavens above we're just as human as

236

00:12:05,299 --> 00:12:10,729

anybody else and we only we do our best

237

00:12:07,578 --> 00:12:12,620

to be on the right the right course but

238

00:12:10,730 --> 00:12:15,379

I really get the impression that her

239

00:12:12,620 --> 00:12:17,720

true believers really think she is the

240

00:12:15,379 --> 00:12:20,990

personification of everything light and

241

00:12:17,720 --> 00:12:25,070

good yeah it day too and in fact they

242

00:12:20,990 --> 00:12:26,629

say um I'm just trying to fight it now

243
00:12:25,070 --> 00:12:29,870
actually that though she actually did

244
00:12:26,629 --> 00:12:32,958
say something yesterday which really

245
00:12:29,870 --> 00:12:35,209
knocked it on the head oh I can actually

246
00:12:32,958 --> 00:12:38,689
I can actually probably paraphrase it

247
00:12:35,208 --> 00:12:41,088
was so nice to look down on all of you

248
00:12:38,690 --> 00:12:43,360
and see your smiling faces looking back

249
00:12:41,089 --> 00:12:49,029
up oh yeah

250
00:12:43,360 --> 00:12:53,620
oh yeah I just get this this image of of

251
00:12:49,028 --> 00:12:55,720
Kim Jung Merrill you know it's the old

252
00:12:53,620 --> 00:12:57,399
joke about the monkeys on the tree yeah

253
00:12:55,720 --> 00:13:00,180
top monkeys look down see nothin but

254
00:12:57,399 --> 00:13:02,409
smilin faces the bottom Loki's look up

255
00:13:00,179 --> 00:13:05,979
Tommy else well there we are we're

256
00:13:02,409 --> 00:13:08,319
bringing monkeys back into it again they

257

00:13:05,980 --> 00:13:10,769
just won't go away anyway let's get

258
00:13:08,320 --> 00:13:12,910
back to the SAV and list of this

259
00:13:10,769 --> 00:13:15,190
Australian vaccination network what a

260
00:13:12,909 --> 00:13:17,319
mouthful that is SAV ends much easier to

261
00:13:15,190 --> 00:13:20,410
say and of course we encourage all our

262
00:13:17,320 --> 00:13:24,190
listeners to run to facebook.com slash

263
00:13:20,409 --> 00:13:25,778
stop a vm that's correct yep and then

264
00:13:24,190 --> 00:13:28,540
they can find out much more about the

265
00:13:25,778 --> 00:13:30,958
activities and join lincoln join up

266
00:13:28,539 --> 00:13:33,519
that's the way to do it now because

267
00:13:30,958 --> 00:13:37,088
bringing all these things together we

268
00:13:33,519 --> 00:13:39,310
have the situation and as we record this

269
00:13:37,089 --> 00:13:42,010
on friday evening Meryl is at the

270
00:13:39,309 --> 00:13:44,169
Woodford Folk Festival speaking but the

271
00:13:42,009 --> 00:13:46,149

thing that we can discuss was

272

00:13:44,169 --> 00:13:49,479

yesterday's activities which is thursday

273

00:13:46,149 --> 00:13:51,940

here in australia where Meryl was going

274

00:13:49,480 --> 00:13:57,129

to have the microphone to herself to

275

00:13:51,940 --> 00:14:01,000

talk about autism and due to community

276

00:13:57,129 --> 00:14:05,980

pressure centered with savian and their

277

00:14:01,000 --> 00:14:08,919

activities of sav n we got a much better

278

00:14:05,980 --> 00:14:10,209

outcome I mean we probably better than

279

00:14:08,919 --> 00:14:12,189

we should have hoped for it was just

280

00:14:10,208 --> 00:14:15,129

fantastic where she was relegated to

281

00:14:12,190 --> 00:14:18,480

simply taking part in a forum which had

282

00:14:15,129 --> 00:14:20,740

real experts on it who were there to

283

00:14:18,480 --> 00:14:24,310

advocate to the crowd the benefits of

284

00:14:20,740 --> 00:14:26,620

vaccination yeah I mean it was a better

285

00:14:24,309 --> 00:14:28,689

outcome but it would have been

286
00:14:26,620 --> 00:14:31,720
preferable if they just candor really

287
00:14:28,690 --> 00:14:35,800
and I my argument has always been she

288
00:14:31,720 --> 00:14:39,370
has she has no place in a on a stage

289
00:14:35,799 --> 00:14:43,049
with an immunologist there is there is

290
00:14:39,370 --> 00:14:45,578
absolutely no reason to have Meryl Dory

291
00:14:43,049 --> 00:14:49,328
anywhere near for him like that she's

292
00:14:45,578 --> 00:14:52,299
not qualified at all to speak about

293
00:14:49,328 --> 00:14:54,009
vaccines know what isn't she Australia's

294
00:14:52,299 --> 00:14:57,139
leading vaccination expert

295
00:14:54,009 --> 00:15:01,069
right I've only in her own mind Rick

296
00:14:57,139 --> 00:15:02,419
well I of course i agree with you

297
00:15:01,070 --> 00:15:05,209
of course there's absolutely no place

298
00:15:02,419 --> 00:15:08,689
for her to speak at these events because

299
00:15:05,208 --> 00:15:12,549
it as the government have pointed out

300
00:15:08,690 --> 00:15:15,500
what she says is incorrect it's wrong

301
00:15:12,549 --> 00:15:17,000
however given the fact that it was a

302
00:15:15,500 --> 00:15:20,000
pretty good luck lee hood she was going

303
00:15:17,000 --> 00:15:22,309
to speak at least we got a decent

304
00:15:20,000 --> 00:15:24,620
outcome and let's take our victories

305
00:15:22,309 --> 00:15:27,500
when we can get them about tribe so

306
00:15:24,620 --> 00:15:28,909
there she was as part of a an overall

307
00:15:27,500 --> 00:15:30,320
panel infill you might be able to take

308
00:15:28,909 --> 00:15:32,329
up the story here because you were there

309
00:15:30,320 --> 00:15:34,490
you were our man on the spot or when I

310
00:15:32,330 --> 00:15:36,370
say oh I mean our site not the skeptics

311
00:15:34,490 --> 00:15:38,690
of course because we didn't bloody no

312
00:15:36,370 --> 00:15:41,360
that's wrong and we didn't bloody know

313
00:15:38,690 --> 00:15:43,220
what was going to happen which was is it

314

00:15:41,360 --> 00:15:46,459
a bird as if the plane oh it is a plane

315
00:15:43,220 --> 00:15:50,930
getting so if you could fill us in on

316
00:15:46,458 --> 00:15:54,049
this wonderful flyby well unknown to

317
00:15:50,929 --> 00:15:57,439
just about everybody we had a little

318
00:15:54,049 --> 00:15:59,659
plane tying a nice big banner over would

319
00:15:57,440 --> 00:16:02,300
fridge for 2 l's half hour before and

320
00:15:59,659 --> 00:16:04,578
half hour after talk and the for the air

321
00:16:02,299 --> 00:16:08,028
in the middle which said vaccination

322
00:16:04,578 --> 00:16:10,778
saves lives so he said that was towing a

323
00:16:08,028 --> 00:16:13,909
big banner right that's right yeah yeah

324
00:16:10,778 --> 00:16:16,549
I've seen a couple of snapshots of it

325
00:16:13,909 --> 00:16:21,069
wow that's fantastic and I also know

326
00:16:16,549 --> 00:16:24,049
that Meryl Dory saw that pretty early on

327
00:16:21,070 --> 00:16:25,910
if the reaction on stage was priceless

328
00:16:24,049 --> 00:16:28,479

she actually thanked the Australians get

329

00:16:25,909 --> 00:16:33,230
fixed for the free advertising

330

00:16:28,480 --> 00:16:36,560
unbelievable it's Australian skeptics

331

00:16:33,230 --> 00:16:38,870
have nothing to do with it well not only

332

00:16:36,559 --> 00:16:40,759
of course of course you're right we

333

00:16:38,870 --> 00:16:42,980
didn't speaking on behalf of Australian

334

00:16:40,759 --> 00:16:46,549
skeptics back no clue was going to

335

00:16:42,980 --> 00:16:48,190
happen and but what really tickles me is

336

00:16:46,549 --> 00:16:50,269
that she's trying this old trick of

337

00:16:48,190 --> 00:16:53,020
thanking the opposition for free

338

00:16:50,269 --> 00:16:56,208
publicity where the free publicity was

339

00:16:53,019 --> 00:16:57,949
unequivocally saying vaccinate whatever

340

00:16:56,208 --> 00:17:01,278
you do you know vaccinations a really

341

00:16:57,950 --> 00:17:03,199
good thing so it was a pathetic attempt

342

00:17:01,278 --> 00:17:05,058
to her to try and turn the tables you

343
00:17:03,198 --> 00:17:07,558
know that's wrong yeah they got our

344
00:17:05,058 --> 00:17:09,178
message across very clearly to

345
00:17:07,558 --> 00:17:11,189
body that was there was pointing up

346
00:17:09,179 --> 00:17:14,610
looking and everybody had their camera's

347
00:17:11,189 --> 00:17:16,499
out I was a great spectacle now I felt

348
00:17:14,609 --> 00:17:18,359
being being on the spot is that where

349
00:17:16,499 --> 00:17:20,308
you were in the audience for the talks I

350
00:17:18,359 --> 00:17:22,769
was I had to duck out for a little bit

351
00:17:20,308 --> 00:17:26,298
so I didn't see it all but yeah yes I

352
00:17:22,769 --> 00:17:29,429
got to see the start and the finish and

353
00:17:26,298 --> 00:17:30,960
the question time and how did that go

354
00:17:29,429 --> 00:17:33,690
how do you think that when do you think

355
00:17:30,960 --> 00:17:38,819
it was it was a good pro vaccination all

356
00:17:33,690 --> 00:17:41,999
over and was the Meryl actually stumble

357
00:17:38,819 --> 00:17:44,038
or did she tried to her old tricks uh

358
00:17:41,999 --> 00:17:46,829
well she she tried pretty much all her

359
00:17:44,038 --> 00:17:50,069
usual tricks she didn't really stumble I

360
00:17:46,829 --> 00:17:52,230
wouldn't say there's a fair bit of and

361
00:17:50,069 --> 00:17:55,470
evac supporting the crowd to start with

362
00:17:52,230 --> 00:17:58,440
but then there was quite a lot of provac

363
00:17:55,470 --> 00:18:00,450
support in the crowded as well and in

364
00:17:58,440 --> 00:18:01,830
fact after that the show is over and

365
00:18:00,450 --> 00:18:04,048
were handing out leaflets and talking to

366
00:18:01,829 --> 00:18:06,449
everybody we've got nothing but positive

367
00:18:04,048 --> 00:18:08,579
feedback and of course this is caught

368
00:18:06,450 --> 00:18:11,038
the attention of the wider skeptical

369
00:18:08,579 --> 00:18:13,079
community around the world and our good

370
00:18:11,038 --> 00:18:15,089
friend our good friend dr. Phil Plait

371

00:18:13,079 --> 00:18:18,538
was particularly chuffed about all this

372
00:18:15,089 --> 00:18:21,480
and wrote a wonderful blog piece yeah he

373
00:18:18,538 --> 00:18:23,759
did oh it was some on Twitter following

374
00:18:21,480 --> 00:18:26,700
the whole thing when I saw him tweeting

375
00:18:23,759 --> 00:18:29,099
about something else so I thought I'd

376
00:18:26,700 --> 00:18:30,980
you know take the opportunity to direct

377
00:18:29,099 --> 00:18:35,788
him to the stop a villain and woodford

378
00:18:30,980 --> 00:18:37,558
double F hashtags and and he disappeared

379
00:18:35,788 --> 00:18:43,019
for about 15 minutes and then came back

380
00:18:37,558 --> 00:18:44,730
with his head exploding so that's

381
00:18:43,019 --> 00:18:46,740
fantastic and of course not only

382
00:18:44,730 --> 00:18:49,499
internationally but maybe more

383
00:18:46,740 --> 00:18:53,548
importantly are here in Australia made

384
00:18:49,499 --> 00:18:56,038
the the newspapers and the internet just

385
00:18:53,548 --> 00:18:58,769

went into meltdown as they say so

386

00:18:56,038 --> 00:19:00,749

despite what Meryl would say all thanks

387

00:18:58,769 --> 00:19:04,429

for the advertising and all the rest of

388

00:19:00,749 --> 00:19:07,230

it it was undoubtedly a really good

389

00:19:04,429 --> 00:19:10,200

publicity victory and moral victory i

390

00:19:07,230 --> 00:19:12,450

would say for for outside the size of

391

00:19:10,200 --> 00:19:15,179

science and reason science and reason

392

00:19:12,450 --> 00:19:17,548

and medicine for headings like yeah i

393

00:19:15,179 --> 00:19:18,899

mean i think she said that because she

394

00:19:17,548 --> 00:19:19,809

was where she was and she didn't really

395

00:19:18,898 --> 00:19:22,149

know what was happening

396

00:19:19,809 --> 00:19:26,379

line at the time because it wasn't just

397

00:19:22,150 --> 00:19:29,230

the the plane in the sky we it was a

398

00:19:26,380 --> 00:19:32,260

coordinated effort of bloggers and

399

00:19:29,230 --> 00:19:34,960

tweeters and we basically just occupied

400
00:19:32,259 --> 00:19:39,400
the net for a couple of hours with this

401
00:19:34,960 --> 00:19:41,590
and so that there was a lot of stuff

402
00:19:39,400 --> 00:19:43,600
happening online that she was clueless

403
00:19:41,589 --> 00:19:46,359
about until she got home i thinkin and

404
00:19:43,599 --> 00:19:48,579
you know found out what really was going

405
00:19:46,359 --> 00:19:51,939
on and today she's been very terse with

406
00:19:48,579 --> 00:19:55,899
a lot of people on her blog and on her

407
00:19:51,940 --> 00:19:58,990
group so she's not been happy well

408
00:19:55,900 --> 00:20:01,440
that's just that's such a video so sorry

409
00:19:58,990 --> 00:20:03,640
to hear that my heart pubs custody I

410
00:20:01,440 --> 00:20:07,900
tell you what's very interesting too

411
00:20:03,640 --> 00:20:12,220
because the the hashtag is now the

412
00:20:07,900 --> 00:20:13,650
hashtag stop avn you know that that's

413
00:20:12,220 --> 00:20:17,289
the hashtag that everyone's been

414
00:20:13,650 --> 00:20:18,519
tweeting under was getting such a lot of

415
00:20:17,289 --> 00:20:19,720
attention it brought out a few

416
00:20:18,519 --> 00:20:21,609
interesting characters out of the

417
00:20:19,720 --> 00:20:24,490
woodwork should we say including

418
00:20:21,609 --> 00:20:27,129
homeopathy plus yep fran sheffield

419
00:20:24,490 --> 00:20:29,019
friend sheffield now these people are in

420
00:20:27,130 --> 00:20:31,210
cahoots with the australian vaccination

421
00:20:29,019 --> 00:20:33,970
network in fact they've run conferences

422
00:20:31,210 --> 00:20:36,670
together and homeopathy plus sell

423
00:20:33,970 --> 00:20:39,759
merrill dory dvds on their website and

424
00:20:36,670 --> 00:20:42,490
homeopathy plus make absolutely no bones

425
00:20:39,759 --> 00:20:43,930
about it well mirror will dodge the

426
00:20:42,490 --> 00:20:46,109
issue quite a lot and pretend to be

427
00:20:43,930 --> 00:20:50,230
pro-choice and all the rest of it yeah

428

00:20:46,109 --> 00:20:52,809
homeopathy plus simply and without any

429
00:20:50,230 --> 00:20:56,069
confusion advocate the use of homeopathy

430
00:20:52,809 --> 00:20:59,200
magical fairy dust sugar water and sugar

431
00:20:56,069 --> 00:21:01,869
to vaccinate well of course they took

432
00:20:59,200 --> 00:21:04,120
bets bets they make money out of that so

433
00:21:01,869 --> 00:21:07,169
yeah it's not it's not surprising at all

434
00:21:04,119 --> 00:21:10,479
and that's another thing at woodford the

435
00:21:07,170 --> 00:21:13,300
homeopathic first aid tent it's like

436
00:21:10,480 --> 00:21:15,069
homeopathic first aid homeopathic first

437
00:21:13,299 --> 00:21:17,230
aiders like some skeptics when they just

438
00:21:15,069 --> 00:21:18,159
to take the mickey there's two people

439
00:21:17,230 --> 00:21:20,920
sitting there twiddling their thumbs

440
00:21:18,160 --> 00:21:23,680
nothing to do that baffles me that they

441
00:21:20,920 --> 00:21:25,390
bother although in in in defense i guess

442
00:21:23,680 --> 00:21:27,490

in defense of homeopathy it does

443

00:21:25,390 --> 00:21:31,630

actually work for two conditions ferns

444

00:21:27,490 --> 00:21:33,210

and high burns and dehydration but only

445

00:21:31,630 --> 00:21:36,480

in very large doses

446

00:21:33,210 --> 00:21:39,450

but don't think it's done hypoglycemia

447

00:21:36,480 --> 00:21:42,089

yes sugar pills may help yes yeah I mean

448

00:21:39,450 --> 00:21:44,700

we cleave identified three real things

449

00:21:42,089 --> 00:21:47,038

that homeopathy will actually work for

450

00:21:44,700 --> 00:21:49,440

but you need a lot of it well they you I

451

00:21:47,038 --> 00:21:51,058

can't be all that bad can it i mean know

452

00:21:49,440 --> 00:21:53,009

that it really does it really does sound

453

00:21:51,058 --> 00:21:55,379

like a group of skeptics got together

454

00:21:53,009 --> 00:21:57,778

and said look here's a really great gag

455

00:21:55,380 --> 00:22:00,028

will have a homeopathic first aid okay

456

00:21:57,778 --> 00:22:01,919

they won't believe it ever or there you

457
00:22:00,028 --> 00:22:06,898
go i mean the truth is stranger than

458
00:22:01,919 --> 00:22:10,500
fiction so this is it's it's a time

459
00:22:06,898 --> 00:22:14,699
actually for sav enter to have a drink

460
00:22:10,500 --> 00:22:16,349
and say yes we did well we had a good

461
00:22:14,700 --> 00:22:19,710
success here and i think you really

462
00:22:16,349 --> 00:22:22,558
really really did but it's the fight

463
00:22:19,710 --> 00:22:25,048
goes on yeah but Meryl is in like three

464
00:22:22,558 --> 00:22:27,119
four five six seven kinds of trouble of

465
00:22:25,048 --> 00:22:30,629
the nomination she doesn't even massive

466
00:22:27,119 --> 00:22:32,759
trouble I mean she's currently in court

467
00:22:30,630 --> 00:22:35,039
suing the hey Triple C which has got no

468
00:22:32,759 --> 00:22:37,589
chance of winning and I was speaking to

469
00:22:35,038 --> 00:22:40,349
a person who often represents the H

470
00:22:37,589 --> 00:22:45,000
Triple city and it's a matter of policy

471
00:22:40,349 --> 00:22:46,980
that they go for court costs so I mean

472
00:22:45,000 --> 00:22:49,048
Merrill is going to be up to her he'll

473
00:22:46,980 --> 00:22:50,970
choose you know hundreds of thousands of

474
00:22:49,048 --> 00:22:54,079
dollars worth of court fees to to worry

475
00:22:50,970 --> 00:22:57,000
about as a result of that of course the

476
00:22:54,079 --> 00:22:58,470
office of litigating racing is waiting

477
00:22:57,000 --> 00:23:02,519
in the wings for the court case to

478
00:22:58,470 --> 00:23:04,500
conclude before they pounce she's under

479
00:23:02,519 --> 00:23:07,259
investigation in Western Australia for

480
00:23:04,500 --> 00:23:09,419
fundraising without a license and she's

481
00:23:07,259 --> 00:23:12,480
about to be in trouble in Queensland for

482
00:23:09,419 --> 00:23:14,520
fundraising without a license and on top

483
00:23:12,480 --> 00:23:17,940
of all that of course I think she's in

484
00:23:14,519 --> 00:23:21,720
trouble for bridges of copyright yes she

485

00:23:17,940 --> 00:23:24,480
is and I think there's a a lot of people

486
00:23:21,720 --> 00:23:27,210
out there who are currently I guess

487
00:23:24,480 --> 00:23:30,890
seeking advice on the matter if I can

488
00:23:27,210 --> 00:23:33,980
put it that way zone um it's it's

489
00:23:30,890 --> 00:23:36,659
she-she's she has a no idea how much

490
00:23:33,980 --> 00:23:38,819
trouble she's in I don't think will

491
00:23:36,659 --> 00:23:41,970
she either doesn't know or she's

492
00:23:38,819 --> 00:23:44,308
pretending it's not happening yeah it's

493
00:23:41,970 --> 00:23:46,220
got to counter a big crunch yeah and

494
00:23:44,308 --> 00:23:49,639
prob and hopefully sooner rather

495
00:23:46,220 --> 00:23:52,970
than later but it's it's I mean it

496
00:23:49,640 --> 00:23:54,830
really is good to be part of the same

497
00:23:52,970 --> 00:23:57,529
sort of movement that can make things

498
00:23:54,829 --> 00:23:59,990
happen I love it when things happen

499
00:23:57,529 --> 00:24:03,589

people don't just sit back and say oh

500

00:23:59,990 --> 00:24:06,710

what a terrible situation this is active

501

00:24:03,589 --> 00:24:08,089

people and collectively have really done

502

00:24:06,710 --> 00:24:10,220

something about this and it was a

503

00:24:08,089 --> 00:24:13,459

collective effort from the friends and

504

00:24:10,220 --> 00:24:16,130

supporters of the SAV n wasn't it yeah

505

00:24:13,460 --> 00:24:19,000

and I mean I that that sort of brings

506

00:24:16,130 --> 00:24:21,590

home the point of how we get our money

507

00:24:19,000 --> 00:24:23,808

because Meryl tori is convinced that

508

00:24:21,589 --> 00:24:24,949

we're back from some big organization

509

00:24:23,808 --> 00:24:27,168

and she points to the Australian

510

00:24:24,950 --> 00:24:28,850

skeptics quite often I'm saying that

511

00:24:27,169 --> 00:24:31,220

weird you know the way funded by then

512

00:24:28,849 --> 00:24:33,259

and we run by then it's tired it's

513

00:24:31,220 --> 00:24:36,169

totally false where we are not a branch

514
00:24:33,259 --> 00:24:38,359
of the Australian skeptics we are God's

515
00:24:36,169 --> 00:24:39,980
without the heart apart from the the

516
00:24:38,359 --> 00:24:41,569
moral support that we've been given by

517
00:24:39,980 --> 00:24:45,019
the Australian skeptics there's there's

518
00:24:41,569 --> 00:24:47,119
absolutely nothing to we've got nothing

519
00:24:45,019 --> 00:24:50,720
to do with them and they've got nothing

520
00:24:47,119 --> 00:24:52,099
to do with us we paid for the plane out

521
00:24:50,720 --> 00:24:54,650
of our own pockets you know we all

522
00:24:52,099 --> 00:24:56,689
chipped in and any time we we pay for

523
00:24:54,650 --> 00:24:58,429
things like the advertising in in the

524
00:24:56,690 --> 00:25:00,769
newspapers in Western Australia when she

525
00:24:58,429 --> 00:25:02,630
was over there was paid for by members

526
00:25:00,769 --> 00:25:06,139
out of their own pockets which shipped

527
00:25:02,630 --> 00:25:10,220
in and anytime we need to do something

528
00:25:06,140 --> 00:25:13,340
big we just we just clubbed it so it

529
00:25:10,220 --> 00:25:15,110
there's no with her I mean if she's

530
00:25:13,339 --> 00:25:18,678
trying to follow the money she doesn't

531
00:25:15,109 --> 00:25:20,928
have father but ago so do you think that

532
00:25:18,679 --> 00:25:23,679
she really sincerely believes that that

533
00:25:20,929 --> 00:25:27,080
people like you and me and other members

534
00:25:23,679 --> 00:25:29,360
who support what we're doing literally

535
00:25:27,079 --> 00:25:31,339
get some sort of brown paper envelopes

536
00:25:29,359 --> 00:25:33,349
every week with big farmer money or

537
00:25:31,339 --> 00:25:35,149
something like that I wonder I think she

538
00:25:33,349 --> 00:25:37,339
absolutely believes it because it plays

539
00:25:35,150 --> 00:25:40,298
right into the the kind of conspiracy

540
00:25:37,339 --> 00:25:44,359
theory thinking that she's renowned for

541
00:25:40,298 --> 00:25:47,929
we certainly see it on the on the tweets

542

00:25:44,359 --> 00:25:49,490
and on the blogs and discussions the her

543
00:25:47,929 --> 00:25:51,710
followers will often say I wonder how

544
00:25:49,490 --> 00:25:55,190
much they got or get bit more big pharma

545
00:25:51,710 --> 00:25:57,470
money or she'll or things like that I it

546
00:25:55,190 --> 00:25:59,659
amazes me that big pharma have any money

547
00:25:57,470 --> 00:25:59,940
left now she has paid us all off you

548
00:25:59,659 --> 00:26:02,278
that's

549
00:25:59,940 --> 00:26:04,548
right I think it I think it comes from a

550
00:26:02,278 --> 00:26:08,038
place of them being so set in their ways

551
00:26:04,548 --> 00:26:10,470
that they just cannot believe that

552
00:26:08,038 --> 00:26:13,859
anyone would be imposing them without

553
00:26:10,470 --> 00:26:17,038
being on the payroll of a pharmaceutical

554
00:26:13,859 --> 00:26:19,168
company I don't think that they really

555
00:26:17,038 --> 00:26:20,849
understand that there are a lot of

556
00:26:19,169 --> 00:26:22,559

people out there who disagree with them

557

00:26:20,849 --> 00:26:24,599

and disagree with them because they're

558

00:26:22,558 --> 00:26:27,569

wrong not because they're you know we've

559

00:26:24,599 --> 00:26:30,839

been paid by anybody absolutely

560

00:26:27,569 --> 00:26:35,700

absolutely i mean you and I and many of

561

00:26:30,839 --> 00:26:37,199

us do this because well I can say we we

562

00:26:35,700 --> 00:26:39,509

believe in what we're doing but we

563

00:26:37,200 --> 00:26:41,909

believe in what we're doing for in a

564

00:26:39,509 --> 00:26:43,528

different way to the flying monkeys for

565

00:26:41,909 --> 00:26:46,500

example that's right we believe in what

566

00:26:43,528 --> 00:26:49,409

we're doing because it's been tried and

567

00:26:46,500 --> 00:26:52,109

true it's been put through the ringer of

568

00:26:49,409 --> 00:26:54,330

scientific rigor and it's come out the

569

00:26:52,109 --> 00:26:58,709

other side that's that's exactly the

570

00:26:54,329 --> 00:27:01,349

point I am NOT pro vaccinations I am Pro

571
00:26:58,710 --> 00:27:05,069
science and science has consistently

572
00:27:01,349 --> 00:27:08,538
shown vaccination to be effective and

573
00:27:05,069 --> 00:27:11,490
safe and so as someone who is

574
00:27:08,538 --> 00:27:14,000
science-minded I follow the evidence and

575
00:27:11,490 --> 00:27:16,319
the evidence is in favor of vaccination

576
00:27:14,000 --> 00:27:19,200
absolutely right absolutely right now as

577
00:27:16,319 --> 00:27:21,480
I said before it's been put through it's

578
00:27:19,200 --> 00:27:23,970
been tested like you wouldn't believe in

579
00:27:21,480 --> 00:27:25,740
testing again and test it again and I

580
00:27:23,970 --> 00:27:27,329
mean look the whole thing about

581
00:27:25,740 --> 00:27:29,628
pharmaceutical companies if the

582
00:27:27,329 --> 00:27:32,759
pharmaceutical companies were really

583
00:27:29,628 --> 00:27:36,359
only about money they wouldn't make

584
00:27:32,759 --> 00:27:38,700
vaccines it is they get far more money

585
00:27:36,359 --> 00:27:41,908
from treatment of diseases then from

586
00:27:38,700 --> 00:27:43,889
prevention and vaccines often cost

587
00:27:41,909 --> 00:27:47,970
companies money especially when they

588
00:27:43,888 --> 00:27:50,428
they come up for these occasional

589
00:27:47,970 --> 00:27:52,460
pandemics that we get such as bird flu

590
00:27:50,429 --> 00:27:54,750
or swine flu where they have to quickly

591
00:27:52,460 --> 00:27:57,600
research and develop a vaccine it's

592
00:27:54,750 --> 00:28:01,288
effective and they lose so much money

593
00:27:57,599 --> 00:28:02,579
from doing that um they would make so

594
00:28:01,288 --> 00:28:05,339
much more money if they just let

595
00:28:02,579 --> 00:28:07,528
everyone get sick absolutely and when

596
00:28:05,339 --> 00:28:09,868
you think about it they would make a lot

597
00:28:07,528 --> 00:28:11,990
more money if they didn't have huge

598
00:28:09,868 --> 00:28:14,269
overheads like testing and put

599

00:28:11,990 --> 00:28:17,179
yep they could simply sell oh I don't

600
00:28:14,269 --> 00:28:19,730
know homeopathy yeah they could they

601
00:28:17,179 --> 00:28:21,470
could even the professor yesterday made

602
00:28:19,730 --> 00:28:23,569
a point of saying that he he's only ever

603
00:28:21,470 --> 00:28:25,730
received maybe thirty thousand dollars

604
00:28:23,569 --> 00:28:27,980
over ten years from the pharmaceutical

605
00:28:25,730 --> 00:28:30,259
companies to dance ten thousand dollars

606
00:28:27,980 --> 00:28:32,990
more than I preserve yeah and he's a

607
00:28:30,259 --> 00:28:35,900
professional immunologists but I mean

608
00:28:32,990 --> 00:28:38,569
which she she doesn't order the APN and

609
00:28:35,900 --> 00:28:41,480
their followers have this fuel of

610
00:28:38,569 --> 00:28:45,019
doctors and the medical community that

611
00:28:41,480 --> 00:28:46,610
they are all evil yeah I and yet when

612
00:28:45,019 --> 00:28:49,009
I've met doctors when I've met people

613
00:28:46,609 --> 00:28:50,928

who are in that industry they got into

614

00:28:49,009 --> 00:28:53,390

it because they want to help people you

615

00:28:50,929 --> 00:28:55,160

know they see people sick and they want

616

00:28:53,390 --> 00:28:56,570

to do something about it and you're only

617

00:28:55,160 --> 00:28:59,929

saying that because you're part of the

618

00:28:56,569 --> 00:29:03,879

concise yep yep totally and a second I

619

00:28:59,929 --> 00:29:06,620

just pop my brown paper bag just arrived

620

00:29:03,880 --> 00:29:08,900

okay keeps on the side for me look at we

621

00:29:06,619 --> 00:29:11,869

have to also we have to also mention

622

00:29:08,900 --> 00:29:15,679

some other people who of course were

623

00:29:11,869 --> 00:29:17,839

instrumental yes and it was a Robin Hill

624

00:29:15,679 --> 00:29:21,200

Ian who organized the fight Robin

625

00:29:17,839 --> 00:29:23,808

Hillier gear he researched it as a

626

00:29:21,200 --> 00:29:26,450

possibility and then asked us whether

627

00:29:23,808 --> 00:29:29,539

we'd been up for that and of course s

628
00:29:26,450 --> 00:29:31,700
avian has a bit of a a cheeky side and

629
00:29:29,539 --> 00:29:34,970
it was just right up our alley so of

630
00:29:31,700 --> 00:29:36,710
course we we we said yes we'd love to so

631
00:29:34,970 --> 00:29:40,100
he was he was basically the one who

632
00:29:36,710 --> 00:29:42,470
researched it took up the collection and

633
00:29:40,099 --> 00:29:45,049
they booked it and made sure it was all

634
00:29:42,470 --> 00:29:48,350
oh so he was the one that was real that

635
00:29:45,049 --> 00:29:51,129
really spearheaded this and everything

636
00:29:48,349 --> 00:29:53,449
that happened online at the same time

637
00:29:51,130 --> 00:29:55,340
kind of worked out in the last couple of

638
00:29:53,450 --> 00:29:57,350
days before it happened wasn't moving

639
00:29:55,339 --> 00:30:00,409
heart of it it's oh so Robin Hill he had

640
00:29:57,349 --> 00:30:03,949
really um was was the man behind her the

641
00:30:00,410 --> 00:30:06,170
show so well hats off to Robin and of

642
00:30:03,950 --> 00:30:09,470
course another name that I've been asked

643
00:30:06,170 --> 00:30:12,860
to mention for the tireless press work

644
00:30:09,470 --> 00:30:17,480
would be chris stevenson yes she has

645
00:30:12,859 --> 00:30:19,939
been tremendous over these past few

646
00:30:17,480 --> 00:30:22,819
weeks really and especially in the

647
00:30:19,940 --> 00:30:24,500
lead-up to the Woodford Folk Festival

648
00:30:22,819 --> 00:30:25,638
she has been the one that has been at

649
00:30:24,500 --> 00:30:27,858
the forefront of the

650
00:30:25,638 --> 00:30:30,828
out of our media campaign given that

651
00:30:27,858 --> 00:30:32,808
she's a local up there she really did

652
00:30:30,828 --> 00:30:35,118
step up to the mark so she's been great

653
00:30:32,808 --> 00:30:37,459
and she's a lovely writer in her own

654
00:30:35,118 --> 00:30:40,009
right if nothing else on this issue read

655
00:30:37,459 --> 00:30:41,808
read a three-part tragedy story in I

656

00:30:40,009 --> 00:30:44,440
think it's Mamma Mia yeah absolutely

657
00:30:41,808 --> 00:30:48,319
beautiful words yeah she's she's an

658
00:30:44,440 --> 00:30:51,019
extremely good writer and and I I'd

659
00:30:48,319 --> 00:30:55,038
recommend anyone to to get on and read

660
00:30:51,019 --> 00:30:57,169
Chris's stuff well what can i say i'm so

661
00:30:55,038 --> 00:30:59,808
pleased to be part of as I said before

662
00:30:57,169 --> 00:31:02,089
part of this whole side of things that

663
00:30:59,808 --> 00:31:05,298
can really get things done now before we

664
00:31:02,088 --> 00:31:09,828
wind up Phil I think you want to give a

665
00:31:05,298 --> 00:31:13,368
plug for your pub I aurea skeptics in

666
00:31:09,828 --> 00:31:15,048
the pub yes yes normally the first

667
00:31:13,368 --> 00:31:17,798
Tuesday of every month that the the

668
00:31:15,048 --> 00:31:21,499
plane at southbank here in Brisbane

669
00:31:17,798 --> 00:31:25,398
anyone's welcome to come along skeptics

670
00:31:21,499 --> 00:31:26,659

atheists theists humanists everybody we

671

00:31:25,398 --> 00:31:29,928

just like to sit around have a bit of a

672

00:31:26,659 --> 00:31:32,959

chat it's all very informal you can find

673

00:31:29,929 --> 00:31:36,079

us on facebook or at brisbane city p.s

674

00:31:32,959 --> 00:31:39,469

ITP but this month we're having it on

675

00:31:36,078 --> 00:31:42,558

the 10th because of christmas ah there

676

00:31:39,469 --> 00:31:44,599

this month meaning january yes right

677

00:31:42,558 --> 00:31:47,388

which is a month the month within the

678

00:31:44,598 --> 00:31:49,128

next 30 days well actually it depends on

679

00:31:47,388 --> 00:31:52,398

when people are listening to this I hope

680

00:31:49,128 --> 00:31:54,558

to get this out in 2011 might be out in

681

00:31:52,398 --> 00:31:56,358

2012 I will see what we can do whatever

682

00:31:54,558 --> 00:31:58,638

it is it's the it's January we're

683

00:31:56,358 --> 00:32:00,798

talking about yes January 10 alright

684

00:31:58,638 --> 00:32:03,048

Brisbane people you've had the word the

685
00:32:00,798 --> 00:32:05,778
message get to there you can certainly

686
00:32:03,048 --> 00:32:07,999
find out more about skepticism and the

687
00:32:05,778 --> 00:32:11,118
work of the stop the Australian

688
00:32:07,999 --> 00:32:14,118
vaccination network run the Facebook run

689
00:32:11,118 --> 00:32:18,078
to Twitter look at the hashtag hash stop

690
00:32:14,118 --> 00:32:20,148
avn it has been going off and trending I

691
00:32:18,078 --> 00:32:22,428
noticed which is fantastic and you can

692
00:32:20,148 --> 00:32:24,348
also follow us on Twitter as well it's

693
00:32:22,429 --> 00:32:28,399
basically at a stop avian if you'd like

694
00:32:24,348 --> 00:32:30,288
to follow us there you go folks Phil and

695
00:32:28,398 --> 00:32:33,138
Daniel thanks very much for your great

696
00:32:30,288 --> 00:32:36,200
effort this has made news around the

697
00:32:33,138 --> 00:32:37,859
world and deservedly so and all power to

698
00:32:36,200 --> 00:32:41,450
you in two thousand

699

00:32:37,859 --> 00:32:41,449

thanks rich this pink right

700

00:33:07,108 --> 00:33:11,939

the dirty disbelievers Oh

701

00:33:12,259 --> 00:33:15,759

I can hear them like any of them all

702

00:33:13,849 --> 00:33:18,339

what's going on

703

00:33:15,759 --> 00:33:21,670

mr. announcer guy on ABC local radio

704

00:33:18,339 --> 00:33:24,579

digital radio and online weekends at six

705

00:33:21,670 --> 00:33:27,570

o'clock of the dirty disbelievers the

706

00:33:24,579 --> 00:33:27,569

evil disbelievers

707

00:33:29,788 --> 00:33:33,829

like the red pill and the blue pill I

708

00:33:32,009 --> 00:33:39,139

say I can hear them I can hear them or

709

00:33:33,829 --> 00:33:39,138

we'll all listen yeah this is serious

710

00:33:40,519 --> 00:33:51,388

now it's time for dr. Rachel reports

711

00:33:43,888 --> 00:33:52,738

with dr. Rachel Dunlop here in the

712

00:33:51,388 --> 00:33:56,308

background putting on these glasses

713

00:33:52,739 --> 00:33:59,850
actually is dr. Cohen stocky you are a

714
00:33:56,308 --> 00:34:01,288
postdoctoral scientist but in the free

715
00:33:59,849 --> 00:34:03,689
radical group at the heart research

716
00:34:01,288 --> 00:34:05,729
institute which is also where I work as

717
00:34:03,690 --> 00:34:07,229
a matter of fact now the reason I'm

718
00:34:05,729 --> 00:34:08,730
talking to you today is because you've

719
00:34:07,229 --> 00:34:11,128
just published some really exciting

720
00:34:08,730 --> 00:34:13,500
research which you did as part of your

721
00:34:11,128 --> 00:34:15,719
PhD in fact which you only took at the

722
00:34:13,500 --> 00:34:19,190
University of Melbourne and it's

723
00:34:15,719 --> 00:34:21,328
received a lot of media coverage so

724
00:34:19,190 --> 00:34:23,190
we're going to talk a little bit more in

725
00:34:21,329 --> 00:34:24,780
detail about that in a second but can we

726
00:34:23,190 --> 00:34:26,519
start off just by talking about heart

727
00:34:24,780 --> 00:34:29,369

disease because I guess that is the

728

00:34:26,519 --> 00:34:32,639

focus of this work that you've recently

729

00:34:29,369 --> 00:34:34,829

published so can you tell us all this

730

00:34:32,639 --> 00:34:38,250

was a little bit about the statistics

731

00:34:34,829 --> 00:34:39,990

and how serious heart disease is yeah we

732

00:34:38,250 --> 00:34:41,878

can talk about that it's actually not

733

00:34:39,989 --> 00:34:45,898

just my focus fits the focus of the

734

00:34:41,878 --> 00:34:47,909

whole Institute in general heart disease

735

00:34:45,898 --> 00:34:50,668

is the biggest killer of people in

736

00:34:47,909 --> 00:34:52,829

Australia and worldwide I think and now

737

00:34:50,668 --> 00:34:57,659

affects one in every five australians

738

00:34:52,829 --> 00:34:59,660

and its proposed and current trends

739

00:34:57,659 --> 00:35:04,920

continue it will be wanted for by the

740

00:34:59,659 --> 00:35:06,598

year 2050 I think one person in

741

00:35:04,920 --> 00:35:09,809

Australia dies every 10 minutes from

742
00:35:06,599 --> 00:35:12,119
heart disease that's quite a lot and it

743
00:35:09,809 --> 00:35:15,000
remains a singer of the largest single

744
00:35:12,119 --> 00:35:16,548
cause of mortality in Australia counts

745
00:35:15,000 --> 00:35:18,389
for thirty-four percent error and

746
00:35:16,548 --> 00:35:21,088
thirty-nine percent of male and female

747
00:35:18,389 --> 00:35:23,489
deaths respectively oh let's look at

748
00:35:21,088 --> 00:35:27,869
cost everyone likes to talk about money

749
00:35:23,489 --> 00:35:30,449
and it is an expensive disease yes seven

750
00:35:27,869 --> 00:35:33,390
billion australian dollars every year is

751
00:35:30,449 --> 00:35:34,828
the cost of heart disease to our health

752
00:35:33,389 --> 00:35:36,629
system yeah you said it's fifteen

753
00:35:34,829 --> 00:35:38,440
percent or in excess of seven billion

754
00:35:36,630 --> 00:35:41,680
dollars of the total allocated how

755
00:35:38,440 --> 00:35:43,480
system being in 2009 in Australia that's

756
00:35:41,679 --> 00:35:46,149
what I said which is significant isn't

757
00:35:43,480 --> 00:35:47,889
it it's quite a lot of money it is so

758
00:35:46,150 --> 00:35:49,510
that kind of leads into the discovery

759
00:35:47,889 --> 00:35:51,578
that you've just published and in fact

760
00:35:49,510 --> 00:35:54,010
you've patent of this as well it's

761
00:35:51,579 --> 00:35:56,470
derived from sugar right people love

762
00:35:54,010 --> 00:35:58,510
this idea of you know you can have sugar

763
00:35:56,469 --> 00:36:00,909
and it will help prevent heart disease

764
00:35:58,510 --> 00:36:02,140
because it kind of it's an oxymoron I

765
00:36:00,909 --> 00:36:05,889
suppose you know we're always told

766
00:36:02,139 --> 00:36:08,170
sugars bad for your heart you know but

767
00:36:05,889 --> 00:36:10,598
the thing is what we've actually done is

768
00:36:08,170 --> 00:36:12,550
we they're not real they're not sugars

769
00:36:10,599 --> 00:36:14,980
as you would eat you know a new

770

00:36:12,550 --> 00:36:17,800
breakfast cereal their their synthetic

771
00:36:14,980 --> 00:36:20,139
sugar derivatives so they don't act like

772
00:36:17,800 --> 00:36:23,220
sugars anymore but we yeah we just used

773
00:36:20,139 --> 00:36:26,139
it as a way to excite the public

774
00:36:23,219 --> 00:36:28,929
convention no what is it I mean it is

775
00:36:26,139 --> 00:36:31,358
based on a carbohydrate model but the

776
00:36:28,929 --> 00:36:33,519
unique thing about your patent and

777
00:36:31,358 --> 00:36:37,630
molecule is it contains a compound

778
00:36:33,519 --> 00:36:39,280
called selenium selenium directly mops

779
00:36:37,630 --> 00:36:41,829
up or absorbs these free radicals

780
00:36:39,280 --> 00:36:44,019
doesn't yeah so basically I'll explain

781
00:36:41,829 --> 00:36:46,630
the whole concept of the project because

782
00:36:44,019 --> 00:36:48,608
that I devised originally there's been a

783
00:36:46,630 --> 00:36:51,700
lot of research in the last 50 years

784
00:36:48,608 --> 00:36:53,049

about looking at selenium and this was

785

00:36:51,699 --> 00:36:55,838
ever since it was discovered that

786

00:36:53,050 --> 00:36:57,849
selenium is the active component or

787

00:36:55,838 --> 00:37:02,019
their active site of the enzyme

788

00:36:57,849 --> 00:37:05,619
glutathione peroxidase or GPX GPX is one

789

00:37:02,019 --> 00:37:07,809
of the key defense mechanisms that your

790

00:37:05,619 --> 00:37:09,700
body has against free radicals so it's

791

00:37:07,809 --> 00:37:11,230
an enzyme debates that basically floats

792

00:37:09,699 --> 00:37:14,469
around in your body in your bloodstream

793

00:37:11,230 --> 00:37:18,579
and it reduces down a lot of these

794

00:37:14,469 --> 00:37:21,039
radicals and oxidants and the reason why

795

00:37:18,579 --> 00:37:24,190
selenium is so good at this is because

796

00:37:21,039 --> 00:37:25,630
of the chemical properties that it that

797

00:37:24,190 --> 00:37:27,880
it has from where it sits in the

798

00:37:25,630 --> 00:37:29,710
periodic table it's it's a metalloid so

799

00:37:27,880 --> 00:37:31,480
it has half metal characteristics in

800

00:37:29,710 --> 00:37:33,940
half non metal which means that it

801

00:37:31,480 --> 00:37:35,650
contains properties are both so it can

802

00:37:33,940 --> 00:37:37,960
be incorporated into organic molecules

803

00:37:35,650 --> 00:37:41,500
as in a case of glutathione peroxidase

804

00:37:37,960 --> 00:37:43,780
but it also has the redox chemistry of a

805

00:37:41,500 --> 00:37:46,000
metal so it can change oxidation state

806

00:37:43,780 --> 00:37:47,710
really easily what it does is in a

807

00:37:46,000 --> 00:37:48,809
biological system as it acts as a

808

00:37:47,710 --> 00:37:51,300
preferential

809

00:37:48,809 --> 00:37:54,000
sittin so will it will react with

810

00:37:51,300 --> 00:37:56,340
oxidants you know thousand thousand

811

00:37:54,000 --> 00:37:59,010
times faster than any other molecule and

812

00:37:56,340 --> 00:38:00,750
that's why it's so protective now the

813
00:37:59,010 --> 00:38:02,730
interesting thing about selenium is it's

814
00:38:00,750 --> 00:38:06,420
actually it's been known about for

815
00:38:02,730 --> 00:38:08,159
thousands of years and but everyone

816
00:38:06,420 --> 00:38:10,559
thought that it was a bad metal they

817
00:38:08,159 --> 00:38:13,079
thought that it was really toxic because

818
00:38:10,559 --> 00:38:15,239
back in the days of the voyages of Marco

819
00:38:13,079 --> 00:38:16,469
Polo which they when they were traveling

820
00:38:15,239 --> 00:38:18,179
they went there were some countries they

821
00:38:16,469 --> 00:38:20,099
went to and there were these certain

822
00:38:18,179 --> 00:38:22,349
types of weeds and when the horses would

823
00:38:20,099 --> 00:38:24,509
eat the weeds that grew around this

824
00:38:22,349 --> 00:38:28,019
these river banks in this country and

825
00:38:24,510 --> 00:38:30,060
their hooves would start to fall off and

826
00:38:28,019 --> 00:38:31,440
it sounds really crazy but they they

827

00:38:30,059 --> 00:38:34,949
didn't realize at the time but these

828
00:38:31,440 --> 00:38:36,659
weeds are called loco weeds and these

829
00:38:34,949 --> 00:38:38,369
types of them all around the world they

830
00:38:36,659 --> 00:38:41,399
accumulate really high levels of

831
00:38:38,369 --> 00:38:43,589
selenium and to a toxic point so when

832
00:38:41,400 --> 00:38:45,720
the animals around them eat the weeds

833
00:38:43,590 --> 00:38:47,690
and they they start to develop selenium

834
00:38:45,719 --> 00:38:49,980
toxicity and animals one of the key

835
00:38:47,690 --> 00:38:51,900
symptoms of that is there who start

836
00:38:49,980 --> 00:38:55,079
floppin humans your nail stuff to crack

837
00:38:51,900 --> 00:38:57,450
and fall off here falls out so they knew

838
00:38:55,079 --> 00:38:58,829
about its toxicity effects as long ago

839
00:38:57,449 --> 00:39:00,359
as that they didn't know it was selenium

840
00:38:58,829 --> 00:39:02,250
that was doing it the wonderful thing

841
00:39:00,360 --> 00:39:04,590

about selenium is firstly it's it's

842

00:39:02,250 --> 00:39:06,329

metabolized by the body so it's not like

843

00:39:04,590 --> 00:39:08,579

mercury or lead where you build up you

844

00:39:06,329 --> 00:39:11,219

accumulate over time your body does

845

00:39:08,579 --> 00:39:13,500

metabolize and break it down but it can

846

00:39:11,219 --> 00:39:15,779

be toxic if you have too much I think

847

00:39:13,500 --> 00:39:17,280

the daily recommended intake is 100

848

00:39:15,780 --> 00:39:18,810

micrograms a day and they keep putting

849

00:39:17,280 --> 00:39:20,070

this up and up all the time because

850

00:39:18,809 --> 00:39:21,750

they're realizing that it's more and

851

00:39:20,070 --> 00:39:23,490

more important so as long as you keep

852

00:39:21,750 --> 00:39:24,960

within those limits then it's you're not

853

00:39:23,489 --> 00:39:26,939

going to have any problems and in fact

854

00:39:24,960 --> 00:39:30,150

if you don't have enough there's far

855

00:39:26,940 --> 00:39:32,099

worse side effects to having selenium

856
00:39:30,150 --> 00:39:34,139
deficiency so where do you get it from

857
00:39:32,099 --> 00:39:36,029
in general what sort of foods contain

858
00:39:34,139 --> 00:39:38,629
selenium this is interesting and I did a

859
00:39:36,030 --> 00:39:41,610
lot of research about this and obviously

860
00:39:38,630 --> 00:39:44,070
all the smelly foods like because the

861
00:39:41,610 --> 00:39:45,450
thing with selenium it's like sulfur in

862
00:39:44,070 --> 00:39:47,850
the periodic table and if anyone's been

863
00:39:45,449 --> 00:39:49,679
to a geothermal area where you have a

864
00:39:47,849 --> 00:39:51,449
lot of sulfurous compounds you know what

865
00:39:49,679 --> 00:39:52,779
I mean because you get that rancid

866
00:39:51,449 --> 00:39:54,909
rotten egg smell

867
00:39:52,780 --> 00:39:56,920
oh well as you go down that period

868
00:39:54,909 --> 00:39:59,739
selenium is like a thousand times more

869
00:39:56,920 --> 00:40:02,650
smelly than sulfur so anything any food

870
00:39:59,739 --> 00:40:05,619
that smells a lot generally got sulphur

871
00:40:02,650 --> 00:40:09,820
selenium in it garlic is your prime

872
00:40:05,619 --> 00:40:12,489
example uh-huh and you know onions all

873
00:40:09,820 --> 00:40:14,530
of those kind of really sort of rich

874
00:40:12,489 --> 00:40:16,809
foods with a lot of smell you get up

875
00:40:14,530 --> 00:40:19,870
from meat and eggs a lot of it comes

876
00:40:16,809 --> 00:40:21,969
from grain just from you know wheat

877
00:40:19,869 --> 00:40:23,920
growing in a selenium rich area is that

878
00:40:21,969 --> 00:40:25,779
because it absorbs through the rain as

879
00:40:23,920 --> 00:40:27,099
it grows dim soil exactly and there's

880
00:40:25,780 --> 00:40:28,540
some areas around the world like New

881
00:40:27,099 --> 00:40:30,699
Zealand has really low selenium levels

882
00:40:28,539 --> 00:40:33,429
and it wasn't until New Zealand actually

883
00:40:30,699 --> 00:40:37,529
started importing wheat from overseas

884

00:40:33,429 --> 00:40:39,579
that the local populations you know

885
00:40:37,530 --> 00:40:41,380
general sort of health and well-being

886
00:40:39,579 --> 00:40:43,900
started improving because some of the

887
00:40:41,380 --> 00:40:46,180
first settlers found it a really big

888
00:40:43,900 --> 00:40:47,590
adjustment to have such low selenium in

889
00:40:46,179 --> 00:40:50,980
their diet and they got malnourished

890
00:40:47,590 --> 00:40:54,039
because of it the superfood though for

891
00:40:50,980 --> 00:40:56,789
selenium is Brazil nuts oh and this is

892
00:40:54,039 --> 00:40:59,889
crazy there's no other element like this

893
00:40:56,789 --> 00:41:02,230
Brazil nuts have almost 100 times more

894
00:40:59,889 --> 00:41:04,779
saline and than any other food out there

895
00:41:02,230 --> 00:41:07,659
and I did some calculations based on

896
00:41:04,780 --> 00:41:10,050
your average Brazil nut and to get your

897
00:41:07,659 --> 00:41:14,529
daily Sleeman take you need about five

898
00:41:10,050 --> 00:41:18,130

to ten Brazil nuts that's all daily

899

00:41:14,530 --> 00:41:20,080

allowance whereas to get the same amount

900

00:41:18,130 --> 00:41:21,849

of selenium from garlic you'd have to

901

00:41:20,079 --> 00:41:23,980

have a hundred two hundred cloves of

902

00:41:21,849 --> 00:41:28,299

garlic so you can take your pick really

903

00:41:23,980 --> 00:41:31,300

easy let's think about that shall we are

904

00:41:28,300 --> 00:41:33,460

you good at garlic oh you know like if

905

00:41:31,300 --> 00:41:36,250

you're Greek or Mediterranean purple

906

00:41:33,460 --> 00:41:38,260

that later SAT you but yeah I think I

907

00:41:36,250 --> 00:41:39,550

think I'll stick with Brazil nuts here's

908

00:41:38,260 --> 00:41:42,850

another point this is really interesting

909

00:41:39,550 --> 00:41:44,740

and there's an episode on house we all

910

00:41:42,849 --> 00:41:46,599

like house you know house yeah yeah I

911

00:41:44,739 --> 00:41:48,729

think most of Alice's no hassle me

912

00:41:46,599 --> 00:41:50,139

Laurie where your love Hillary of course

913
00:41:48,730 --> 00:41:53,170
if you don't happen so there was an

914
00:41:50,139 --> 00:41:56,139
episode on um house where you know guys

915
00:41:53,170 --> 00:41:58,389
sick here's that's falling out not well

916
00:41:56,139 --> 00:42:00,789
he's in hospital and you know they do

917
00:41:58,389 --> 00:42:02,289
they lapped cancer it's that you know

918
00:42:00,789 --> 00:42:02,519
how they play that whole game of let's

919
00:42:02,289 --> 00:42:03,989
go

920
00:42:02,519 --> 00:42:05,639
through ten diseases and in the last

921
00:42:03,989 --> 00:42:09,029
five minutes the show they'll figure it

922
00:42:05,639 --> 00:42:11,279
out and what actually happened was they

923
00:42:09,030 --> 00:42:13,470
claimed that he had selenium toxicity

924
00:42:11,280 --> 00:42:15,540
because he was addicted to Brazil nuts

925
00:42:13,469 --> 00:42:17,609
and I was like you know that could be

926
00:42:15,539 --> 00:42:19,079
possible and then I did the sums and

927
00:42:17,610 --> 00:42:21,150
worked out that this guy would have to

928
00:42:19,079 --> 00:42:23,610
be eating about 50 to 100 Brazil nuts a

929
00:42:21,150 --> 00:42:25,889
day but the key thing with selenium is

930
00:42:23,610 --> 00:42:29,370
like I said it's metabolized and some of

931
00:42:25,889 --> 00:42:31,559
the ways in which it's metabolized that

932
00:42:29,369 --> 00:42:34,619
your body makes these small organic

933
00:42:31,559 --> 00:42:36,779
Selenites which are really volatile and

934
00:42:34,619 --> 00:42:39,960
they smell really really really pungent

935
00:42:36,780 --> 00:42:42,900
so if you were subjected to selenium too

936
00:42:39,960 --> 00:42:44,429
long and your body it starts building up

937
00:42:42,900 --> 00:42:47,340
and it can't metabolize it fast enough

938
00:42:44,429 --> 00:42:50,399
then your breath absolutely stinks and

939
00:42:47,340 --> 00:42:54,000
like I'm a sulfur smell or it's like

940
00:42:50,400 --> 00:42:57,930
like a rancid garlic kind of rotting

941

00:42:54,000 --> 00:43:01,079
smell and I'm saying like I mean really

942
00:42:57,929 --> 00:43:04,079
stink like I could be in the other end

943
00:43:01,079 --> 00:43:05,400
of a room and you'd smell me and that

944
00:43:04,079 --> 00:43:07,139
was one of the things because we work a

945
00:43:05,400 --> 00:43:09,900
lot with selenium and our boss we said

946
00:43:07,139 --> 00:43:11,730
if you're you know you're a part of

947
00:43:09,900 --> 00:43:14,639
start smelling can you say something

948
00:43:11,730 --> 00:43:15,990
don't it's not being rude they could

949
00:43:14,639 --> 00:43:18,329
have either they just have really bad

950
00:43:15,989 --> 00:43:21,149
breath how selenium poisoning you know

951
00:43:18,329 --> 00:43:24,210
and um and I was like so obviously it's

952
00:43:21,150 --> 00:43:26,400
not realistic house TV isn't real but

953
00:43:24,210 --> 00:43:28,440
didn't you like did you SMS into the TV

954
00:43:26,400 --> 00:43:31,440
show and say just test his breath in

955
00:43:28,440 --> 00:43:33,630

there I tried but do you know work you

956

00:43:31,440 --> 00:43:34,920

didn't get back to me doing I was like

957

00:43:33,630 --> 00:43:35,760

well they would have smell him a mile

958

00:43:34,920 --> 00:43:38,130

away and it would have been like banging

959

00:43:35,760 --> 00:43:40,290

saline toxicity but the great thing is

960

00:43:38,130 --> 00:43:43,559

once you remove them from that from this

961

00:43:40,289 --> 00:43:46,650

from the selenium the source you you can

962

00:43:43,559 --> 00:43:48,150

recover so so if people go all its toxic

963

00:43:46,650 --> 00:43:50,760

why would you put it in anything but

964

00:43:48,150 --> 00:43:52,619

it's not really it's some you know it's

965

00:43:50,760 --> 00:43:54,570

far less toxic than then a lot of other

966

00:43:52,619 --> 00:43:56,219

drugs out there you know didn't didn't

967

00:43:54,570 --> 00:43:58,019

you mention to me before that you had

968

00:43:56,219 --> 00:44:02,730

problems without doing a PhD that you

969

00:43:58,019 --> 00:44:04,320

would stink i stink like you and I

970
00:44:02,730 --> 00:44:07,349
remember this because when we do these

971
00:44:04,320 --> 00:44:08,730
reactions you just selenium you see to

972
00:44:07,349 --> 00:44:11,670
win your the step where you're putting

973
00:44:08,730 --> 00:44:14,579
it into your molecule is the rancid stat

974
00:44:11,670 --> 00:44:15,079
and this smells like you wouldn't

975
00:44:14,579 --> 00:44:17,208
believe

976
00:44:15,079 --> 00:44:19,579
because it's so the thing with slim and

977
00:44:17,208 --> 00:44:21,528
sulfur is our body detects it in parts

978
00:44:19,579 --> 00:44:24,229
per billion or even parts per trillion

979
00:44:21,528 --> 00:44:26,958
for some solenoids and so the tiniest

980
00:44:24,228 --> 00:44:29,118
trace and you just it's overpowering and

981
00:44:26,958 --> 00:44:31,699
and they say oh there's another

982
00:44:29,119 --> 00:44:34,309
interesting fact if they say that if we

983
00:44:31,699 --> 00:44:36,169
detected everything like we detect slim

984
00:44:34,309 --> 00:44:39,650
and sulfur we would be able to smell as

985
00:44:36,170 --> 00:44:42,739
effectively as a dog Wow dogs have the

986
00:44:39,650 --> 00:44:44,869
sense of smell we have with sulfur and

987
00:44:42,739 --> 00:44:47,239
slinging so why have we evolved to smell

988
00:44:44,869 --> 00:44:49,849
sulfur not more than anything else

989
00:44:47,239 --> 00:44:52,130
doesn't make sense it just it target

990
00:44:49,849 --> 00:44:56,599
cell receptors better i don't know why

991
00:44:52,130 --> 00:44:59,568
is it cuz of eggy farts i'm just a

992
00:44:56,599 --> 00:45:02,749
hypothesis I don't know you tell me so

993
00:44:59,568 --> 00:45:04,518
but there were times when and it just

994
00:45:02,748 --> 00:45:06,498
sort of gets in your hair and your

995
00:45:04,518 --> 00:45:08,629
clothes like and there were times when i

996
00:45:06,498 --> 00:45:10,788
get i was austin my PhD in Melbourne I

997
00:45:08,630 --> 00:45:13,519
come out and I get on the tram this one

998

00:45:10,789 --> 00:45:16,549
time this bunch of school kids were on

999
00:45:13,518 --> 00:45:24,348
there and make ten million ah oh it

1000
00:45:16,548 --> 00:45:27,469
stinks I don't even know that cuz I so

1001
00:45:24,349 --> 00:45:29,329
dissenters like and then they're like oh

1002
00:45:27,469 --> 00:45:31,309
and they started moving away and they

1003
00:45:29,329 --> 00:45:33,680
thought that I I don't know they thought

1004
00:45:31,309 --> 00:45:35,390
I'd be needing something really rare but

1005
00:45:33,679 --> 00:45:38,929
it was just a general kind of a bad

1006
00:45:35,389 --> 00:45:40,818
smell so I had good times and my PhD

1007
00:45:38,929 --> 00:45:43,190
well I actually just say I was back in

1008
00:45:40,818 --> 00:45:45,139
Melbourne the other week and I was doing

1009
00:45:43,190 --> 00:45:47,389
a large scale up synthesis to try and

1010
00:45:45,139 --> 00:45:49,848
make enough compound for our next stage

1011
00:45:47,389 --> 00:45:52,098
of animal trials and I'm glad this is a

1012
00:45:49,849 --> 00:45:54,410

big big scale and I took every

1013

00:45:52,099 --> 00:45:56,660

precaution possible but I do cause one

1014

00:45:54,409 --> 00:45:58,548

neighbor evacuation though just one lad

1015

00:45:56,659 --> 00:46:00,978

just the one right and the whole floor

1016

00:45:58,548 --> 00:46:03,380

like everyone had to leave they will I

1017

00:46:00,978 --> 00:46:07,038

can't it all the offices on that floor

1018

00:46:03,380 --> 00:46:09,829

it's a rendus the smell so I feel if

1019

00:46:07,039 --> 00:46:12,229

this ever goes into a pharmaceutical

1020

00:46:09,829 --> 00:46:13,670

company I apologize to those workers I

1021

00:46:12,228 --> 00:46:15,728

was going to say because doesn't your

1022

00:46:13,670 --> 00:46:18,380

patent talk about now putting this

1023

00:46:15,728 --> 00:46:20,088

getting involved with a big farmer to

1024

00:46:18,380 --> 00:46:22,459

make it enlarge well that's what we're

1025

00:46:20,088 --> 00:46:23,279

hoping to do right so facts not what you

1026

00:46:22,458 --> 00:46:25,679

know we're done

1027
00:46:23,280 --> 00:46:27,320
outsource it I'm send it to Russia or

1028
00:46:25,679 --> 00:46:33,289
something gonna get this for right

1029
00:46:27,320 --> 00:46:33,289
siberian guys the peasants that you know

1030
00:46:39,858 --> 00:46:44,130
hey guys this is jay from the skeptics

1031
00:46:42,690 --> 00:46:46,739
guide to the universe er whoa whoa whoa

1032
00:46:44,130 --> 00:46:48,150
hold on whoa everybody knows I'm the

1033
00:46:46,739 --> 00:46:50,068
only reason to listen to the Freak Show

1034
00:46:48,150 --> 00:46:55,920
right I mean it was up to me the show

1035
00:46:50,068 --> 00:46:58,380
would start with this yeah boy well

1036
00:46:55,920 --> 00:47:00,210
Rebecca would hate that probably but I

1037
00:46:58,380 --> 00:47:01,528
mean I'd rock that listen to our show

1038
00:47:00,210 --> 00:47:03,329
and you can learn about cool stuff like

1039
00:47:01,528 --> 00:47:05,068
a technological singularity which is

1040
00:47:03,329 --> 00:47:06,599
someday when technology progresses so

1041
00:47:05,068 --> 00:47:07,978
fast that it would make the Industrial

1042
00:47:06,599 --> 00:47:11,009
Revolution look like a kid science

1043
00:47:07,978 --> 00:47:15,108
project anyway come check us out at WWDC

1044
00:47:11,009 --> 00:47:15,108
epic sea org get your son

1045
00:47:32,480 --> 00:47:38,579
thank you for listening to the skeptic

1046
00:47:35,280 --> 00:47:42,570
zone the last 14 2011 now if you go to

1047
00:47:38,579 --> 00:47:45,389
ww skeptics on TV and look down the

1048
00:47:42,570 --> 00:47:51,300
left-hand side you can see our new

1049
00:47:45,389 --> 00:47:52,889
Maynard's tam 10 fund thermometer and if

1050
00:47:51,300 --> 00:47:54,600
you have a look at that at the moment

1051
00:47:52,889 --> 00:47:57,809
you'll see that we're just over the

1052
00:47:54,599 --> 00:48:00,360
halfway point of raising the necessary

1053
00:47:57,809 --> 00:48:03,539
funds to buy maynard that plane ticket

1054
00:48:00,360 --> 00:48:06,269
to tam 10 in las vegas so he can do some

1055

00:48:03,539 --> 00:48:09,239
reporting for us and a little bit more

1056
00:48:06,269 --> 00:48:11,519
money there for accommodation and sundry

1057
00:48:09,239 --> 00:48:13,229
items and bits and pieces like that but

1058
00:48:11,519 --> 00:48:16,619
thanks to the generosity of people like

1059
00:48:13,230 --> 00:48:22,380
you we have got over the halfway point

1060
00:48:16,619 --> 00:48:24,900
in our drive our donation drive for may

1061
00:48:22,380 --> 00:48:28,170
not check it out have a look and if you

1062
00:48:24,900 --> 00:48:33,000
feel so inclined please chip in can't

1063
00:48:28,170 --> 00:48:35,220
wait to get to tam 10 in july thank you

1064
00:48:33,000 --> 00:48:39,480
all for supporting the skeptic zone in

1065
00:48:35,219 --> 00:48:45,779
2011 2011 is a year i will never forget

1066
00:48:39,480 --> 00:48:48,719
because the images burned in my brain of

1067
00:48:45,780 --> 00:48:51,769
the japanese tsunami live on TV is that

1068
00:48:48,719 --> 00:48:54,379
wall of water devastated the landscape

1069
00:48:51,769 --> 00:48:57,480

you just don't forget images like that

1070

00:48:54,380 --> 00:49:03,000

let's hope that we don't see that sort

1071

00:48:57,480 --> 00:49:05,490

of thing again but for now but for 2011

1072

00:49:03,000 --> 00:49:08,780

this is Richard Saunders signing off

1073

00:49:05,489 --> 00:49:08,779

from Sydney Australia

1074

00:49:10,900 --> 00:49:18,289

you've been listening to the skeptic

1075

00:49:13,309 --> 00:49:22,069

zone visit our website at www.skeptics

1076

00:49:18,289 --> 00:49:39,140

on TV the comments contacts and extra

1077

00:49:22,068 --> 00:49:43,188

video reports the show's over now wake

1078

00:49:39,139 --> 00:49:45,498

up wake up hello the show is over the

1079

00:49:43,188 --> 00:49:50,568

skeptic zones over wake up you fell

1080

00:49:45,498 --> 00:49:52,218

asleep wake up hello wait hello that

1081

00:49:50,568 --> 00:49:54,199

spread out that's better the show's over

1082

00:49:52,219 --> 00:49:56,059

sorry to disturb you the turn off your

1083

00:49:54,199 --> 00:49:58,719

ipod taking out your headphones and go

1084

00:49:56,059 --> 00:49:58,719

back to sleep