

VACCINATION SAVES LIVES



The Skeptic Zone
Show 167 - 31 Dec 2011

1
00:00:23,259 --> 00:00:09,080
welcome to the skeptic zone the podcast

2
00:00:29,330 --> 00:00:27,109
yes it's the skeptic zonal very last

3
00:00:32,680 --> 00:00:29,340
skipping zone for 2011 Richard Saunders

4
00:00:36,440 --> 00:00:32,690
here coming to you from Sydney Australia

5
00:00:40,729 --> 00:00:36,450
it's New Years Eve New Year's Eve and

6
00:00:42,889 --> 00:00:40,739
this is episode number 167 we're going

7
00:00:45,440 --> 00:00:42,899
to be speaking on this episode with

8
00:00:48,110 --> 00:00:45,450
Daniel Rafael and Phil Kent from the

9
00:00:50,540 --> 00:00:48,120
stop the avian facebook group stop the

10
00:00:53,990 --> 00:00:50,550
Australian vaccination Network the

11
00:00:56,060 --> 00:00:54,000
vaccination 10 work ah we'll never get

12
00:00:58,790 --> 00:00:56,070
over the fact that they call themselves

13
00:01:01,819 --> 00:00:58,800

the vaccination Network reminds me of

14

00:01:04,690 --> 00:01:01,829

our 1984 haven't read that for a long

15

00:01:08,899 --> 00:01:04,700

time things like the ministry for

16

00:01:10,520 --> 00:01:08,909

information were stifling information

17

00:01:12,740 --> 00:01:10,530

and so on and so on so the Australian

18

00:01:14,810 --> 00:01:12,750

vaccination group aren't interested in

19

00:01:18,950 --> 00:01:14,820

vaccination they're interested in you

20

00:01:21,649 --> 00:01:18,960

not vaccinating your children against

21

00:01:24,109 --> 00:01:21,659

deadly diseases you've heard it all

22

00:01:25,640 --> 00:01:24,119

before on the skeptic zone we're going

23

00:01:28,520 --> 00:01:25,650

to be talking to daniel and phil from

24

00:01:30,440 --> 00:01:28,530

may stop the avian group about the

25

00:01:33,380 --> 00:01:30,450

recent activities up in queensland at

26
00:01:35,990 --> 00:01:33,390
the Woodford Folk Festival where the

27
00:01:40,569 --> 00:01:36,000
group chartered a light airplane to fly

28
00:01:43,280 --> 00:01:40,579
around above the festival with a banner

29
00:01:46,490 --> 00:01:43,290
trailing a banner that said vaccination

30
00:01:49,190 --> 00:01:46,500
saves lives I wish I could have been

31
00:01:52,819 --> 00:01:49,200
there to see that firsthand hear all

32
00:01:56,179 --> 00:01:52,829
about it coming up shortly after that we

33
00:01:58,209 --> 00:01:56,189
have dr. Reggie reports now she's going

34
00:02:03,230 --> 00:01:58,219
to be speaking to a colleague of hers

35
00:02:06,230 --> 00:02:03,240
dr. Coren stalky at the heart Research

36
00:02:09,710 --> 00:02:06,240
Institute here in Sydney about his

37
00:02:12,949 --> 00:02:09,720
research into why sugar is good for your

38
00:02:16,970 --> 00:02:12,959

heart they and why your breath can

39

00:02:19,970 --> 00:02:16,980

really stink and what's Brazil nuts got

40

00:02:22,430 --> 00:02:19,980

to do with it but of a mixed bag dr.

41

00:02:26,660 --> 00:02:22,440

Reggie that's coming up later in the

42

00:02:29,510 --> 00:02:26,670

show and of course if you go to www pics

43

00:02:32,210 --> 00:02:29,520

on TV you can look at the show notes

44

00:02:34,210 --> 00:02:32,220

with links to the various things will be

45

00:02:36,800 --> 00:02:34,220

discussing on today's show including

46

00:02:39,740 --> 00:02:36,810

including that interesting work into

47

00:02:42,619 --> 00:02:39,750

heart research now I'm very excited

48

00:02:45,380 --> 00:02:42,629

folks very excited not only because it's

49

00:02:48,350 --> 00:02:45,390

New Years Eve I'm excited because very

50

00:02:50,809 --> 00:02:48,360

early next year next week in fact dr.

51
00:02:54,259 --> 00:02:50,819
Rachel and i'll be heading for those ABC

52
00:02:57,080 --> 00:02:54,269
Studios here in Sydney to join Maynard

53
00:03:00,589 --> 00:02:57,090
growl Maynard for a new program coming

54
00:03:03,920 --> 00:03:00,599
up called the dirty disbelievers and the

55
00:03:05,930 --> 00:03:03,930
blurb says every weekend 6pm starting

56
00:03:08,240 --> 00:03:05,940
the seventh of January across Australia

57
00:03:11,470 --> 00:03:08,250
on ABC local radio digital radio and

58
00:03:16,009 --> 00:03:11,480
online Maynard will be hosting the dirty

59
00:03:19,309 --> 00:03:16,019
disbelievers radio show look out for

60
00:03:21,949 --> 00:03:19,319
special guests dr. Richie and myself

61
00:03:25,130 --> 00:03:21,959
Richard Saunders amongst others for more

62
00:03:28,100 --> 00:03:25,140
information just go to facebook and

63
00:03:32,210 --> 00:03:28,110

search for dirty disbelievers or check

64

00:03:35,390 --> 00:03:32,220

out the link at skeptic zone TV can't

65

00:03:37,160 --> 00:03:35,400

wait for that what fun that will be but

66

00:03:40,240 --> 00:03:37,170

let's not wait anymore I know you've got

67

00:03:43,580 --> 00:03:40,250

New Year's Eve parties to go to I

68

00:03:46,309 --> 00:03:43,590

haven't no no I haven't got a new year's

69

00:03:48,770 --> 00:03:46,319

eve party to go to I think I'll just sit

70

00:03:53,000 --> 00:03:48,780

back on my favorite couch and watch a

71

00:03:56,630 --> 00:03:53,010

good DVD have a cup of tea and then go

72

00:03:58,970 --> 00:03:56,640

to bed or something like that but before

73

00:04:22,970 --> 00:03:58,980

that happens let's all listen to the

74

00:04:22,980 --> 00:04:39,159

you

75

00:04:45,850 --> 00:04:43,779

oh yes and those delightful notes

76

00:04:48,580 --> 00:04:45,860

walking across the internet of the

77

00:04:50,230 --> 00:04:48,590

Nutcracker The Nutcracker an interesting

78

00:04:52,989 --> 00:04:50,240

choice of music to introduce this

79

00:04:55,869 --> 00:04:52,999

segment about the activities of the stop

80

00:04:58,149 --> 00:04:55,879

Australian vaccination network group i'd

81

00:05:01,929 --> 00:04:58,159

like to welcome to the show Daniel

82

00:05:05,200 --> 00:05:01,939

Rafael hello Daniel I Richard I and Phil

83

00:05:07,809 --> 00:05:05,210

Kent hello Phil Hawaii I'm doing really

84

00:05:10,959 --> 00:05:07,819

well I was tickled pink when I found out

85

00:05:13,719 --> 00:05:10,969

just the other day what was going on up

86

00:05:16,600 --> 00:05:13,729

there at the Woodford Folk Festival and

87

00:05:18,390 --> 00:05:16,610

as I was just having quick chat chat to

88

00:05:21,369 --> 00:05:18,400

you before the interview started I

89

00:05:22,929 --> 00:05:21,379

little old me simply the vice president

90

00:05:24,700 --> 00:05:22,939

of Australian skeptics been on the

91

00:05:28,989 --> 00:05:24,710

committee for ten years out and about

92

00:05:31,059 --> 00:05:28,999

had no clue about the fun and games that

93

00:05:33,459 --> 00:05:31,069

was to unfold at the Woodford Folk

94

00:05:34,899 --> 00:05:33,469

Festival we're going to get to that

95

00:05:36,879 --> 00:05:34,909

pretty soon we're going to talk about

96

00:05:40,899 --> 00:05:36,889

that soon but Daniel from your point of

97

00:05:44,559 --> 00:05:40,909

view let's discuss the formation and the

98

00:05:46,839 --> 00:05:44,569

reasons behind the stop the avian or

99

00:05:49,869 --> 00:05:46,849

stop the Australian vaccination network

100

00:05:51,790 --> 00:05:49,879

group which is really a Facebook group

101
00:05:55,360 --> 00:05:51,800
isn't it is here I mean we're not

102
00:05:56,860 --> 00:05:55,370
incorporated we're not our earlier we're

103
00:06:00,730 --> 00:05:56,870
not really anything except a collection

104
00:06:03,899 --> 00:06:00,740
of concerned citizens it started back in

105
00:06:07,240 --> 00:06:03,909
two thousand nine you may recall a

106
00:06:11,010 --> 00:06:07,250
channel seven did a segment on the

107
00:06:13,149 --> 00:06:11,020
sunday night program which was a

108
00:06:15,820 --> 00:06:13,159
actually really good piece on

109
00:06:17,559 --> 00:06:15,830
vaccinations and as it was a really good

110
00:06:21,869 --> 00:06:17,569
piece on vaccinations Merrill dori was

111
00:06:25,450 --> 00:06:21,879
not happy with it and contacted the the

112
00:06:27,999 --> 00:06:25,460
studio and wanted to have a community

113
00:06:29,769 --> 00:06:28,009

forum type ah deal and that's what she

114

00:06:32,980 --> 00:06:29,779

got the very next week and I went along

115

00:06:35,050 --> 00:06:32,990

to that along with dr. H E and me and

116

00:06:37,389 --> 00:06:35,060

you and rat bags and there were a couple

117

00:06:41,969 --> 00:06:37,399

of others there and we sat in the

118

00:06:46,989 --> 00:06:41,979

audience and and just listen to her

119

00:06:49,959 --> 00:06:46,999

speak and I I mean with what she was

120

00:06:52,389 --> 00:06:49,969

saying I was sitting there thinking how

121

00:06:52,930 --> 00:06:52,399

has how has she got so much credence in

122

00:06:57,040 --> 00:06:52,940

the media

123

00:06:59,830 --> 00:06:57,050

don't understand it I mean Mike Monroe

124

00:07:00,940 --> 00:06:59,840

who was some who was comparing that the

125

00:07:03,820 --> 00:07:00,950

whole thing was it was actually pretty

126

00:07:06,930 --> 00:07:03,830

good at taking it a task but I feel she

127

00:07:12,970 --> 00:07:06,940

got a little bit too much free time and

128

00:07:14,830 --> 00:07:12,980

I went home that day really determined

129

00:07:16,540 --> 00:07:14,840

to do something and I just I didn't know

130

00:07:18,390 --> 00:07:16,550

what to do so I just started a Facebook

131

00:07:21,280 --> 00:07:18,400

group that was about the limit of my

132

00:07:24,130 --> 00:07:21,290

resources at the time and it just kind

133

00:07:26,440 --> 00:07:24,140

of went from there yes well I will

134

00:07:28,660 --> 00:07:26,450

remember being in the studio audience

135

00:07:30,310 --> 00:07:28,670

for that taping was a sort of the second

136

00:07:33,340 --> 00:07:30,320

part of the channel seven story on

137

00:07:35,500 --> 00:07:33,350

vaccinations yeah and we were sort of

138

00:07:38,260 --> 00:07:35,510

all on one side and Meryl Dory and her

139

00:07:40,090 --> 00:07:38,270

friends or flying monkeys as we call

140

00:07:44,080 --> 00:07:40,100

them were sort of in there on the other

141

00:07:47,290 --> 00:07:44,090

side and what it's a classic because

142

00:07:48,970 --> 00:07:47,300

it's from that time that show that we

143

00:07:51,370 --> 00:07:48,980

get the wonderful quote from merrill

144

00:07:54,010 --> 00:07:51,380

dory I have a brain to or something like

145

00:07:59,890 --> 00:07:54,020

that and I'd like to rip up that if I

146

00:08:02,260 --> 00:07:59,900

may no I say my cat has a brain and a

147

00:08:04,659 --> 00:08:02,270

while back my cat managed to knock out

148

00:08:08,080 --> 00:08:04,669

the power to the entire house by

149

00:08:10,360 --> 00:08:08,090

peddling into a powerpoint now is she

150

00:08:16,150 --> 00:08:10,370

qualified then to give advice on

151
00:08:19,690 --> 00:08:16,160
vaccinations so it would seem Valley all

152
00:08:21,820 --> 00:08:19,700
you need is it as a brain well that's

153
00:08:24,130 --> 00:08:21,830
what you said I would what did she also

154
00:08:25,570 --> 00:08:24,140
said she'd be researching at phipps so

155
00:08:29,080 --> 00:08:25,580
many years or something like that where

156
00:08:30,700 --> 00:08:29,090
she had a brain yeah yeah well I mean we

157
00:08:35,640 --> 00:08:30,710
could probably have another whole

158
00:08:38,200 --> 00:08:35,650
episode devoted to her particular

159
00:08:39,640 --> 00:08:38,210
psychological profile and why do I have

160
00:08:43,600 --> 00:08:39,650
a song from The Wizard of Oz going

161
00:08:47,079 --> 00:08:43,610
through my head right yes i'll try not

162
00:08:50,829 --> 00:08:47,089
to mention flying monkey me and and how

163
00:08:55,120 --> 00:08:50,839

people like Meryl can Meryl Dori can be

164

00:08:58,000 --> 00:08:55,130

so bleed one might one might say do

165

00:09:02,110 --> 00:08:58,010

you think that she truly is sees herself

166

00:09:04,690 --> 00:09:02,120

as the the leader of a quest yes yeah um

167

00:09:07,690 --> 00:09:04,700

I think it's why she she has

168

00:09:13,090 --> 00:09:07,700

a hard time admitting when she's

169

00:09:17,050 --> 00:09:13,100

blatantly wrong it's hard for me to sort

170

00:09:25,360 --> 00:09:17,060

of think in the same way as her I can't

171

00:09:27,040 --> 00:09:25,370

imagine being so deluded by your own way

172

00:09:30,330 --> 00:09:27,050

of thinking that you can't let anything

173

00:09:33,040 --> 00:09:30,340

else in yeah and it does it is like a

174

00:09:35,050 --> 00:09:33,050

religious zeal or really it is yes quest

175

00:09:36,790 --> 00:09:35,060

isn't that the term true believer comes

176

00:09:39,220 --> 00:09:36,800

you know you know comes into it i think

177

00:09:40,900 --> 00:09:39,230

and she's she certainly believes

178

00:09:42,670 --> 00:09:40,910

everything she says and she's got people

179

00:09:46,480 --> 00:09:42,680

who believe everything that she says

180

00:09:49,930 --> 00:09:46,490

even even when it's contradicted timing

181

00:09:52,000 --> 00:09:49,940

on again yeah yeah i mean that's the

182

00:09:54,730 --> 00:09:52,010

mean me not being qualified to talk

183

00:09:56,800 --> 00:09:54,740

about that sort of state i mean although

184

00:09:59,140 --> 00:09:56,810

we observe this of course in the

185

00:10:02,080 --> 00:09:59,150

skeptics many times we a true believers

186

00:10:03,520 --> 00:10:02,090

all of all flavors that's how it appears

187

00:10:07,240 --> 00:10:03,530

to me but it would be interesting to get

188

00:10:09,550 --> 00:10:07,250

some a professional to give it would be

189

00:10:11,170 --> 00:10:09,560

in what area interesting i'd like to see

190

00:10:13,210 --> 00:10:11,180

that actually but i've heard some

191

00:10:16,000 --> 00:10:13,220

opinions but they're not something we

192

00:10:20,500 --> 00:10:16,010

can share on the air mezzaluna there's a

193

00:10:22,420 --> 00:10:20,510

line num from Fawlty Towers that some I

194

00:10:24,910 --> 00:10:22,430

like that the in the episode called the

195

00:10:26,470 --> 00:10:24,920

psychiatrists yeah um and the

196

00:10:29,500 --> 00:10:26,480

psychiatrist is walking down the stairs

197

00:10:31,780 --> 00:10:29,510

after after you know seeing Basil Fawlty

198

00:10:34,450 --> 00:10:31,790

up to his old tricks and says to his

199

00:10:36,730 --> 00:10:34,460

wife there's enough material there for

200

00:10:43,720 --> 00:10:36,740

an entire conference

201
00:10:45,610 --> 00:10:43,730
I will I remember that line years I

202
00:10:49,210 --> 00:10:45,620
remember that line that's very good and

203
00:10:51,070 --> 00:10:49,220
well we might dwell on this topic for a

204
00:10:52,570 --> 00:10:51,080
moment because then there's the other

205
00:10:54,340 --> 00:10:52,580
part to it of course which is her

206
00:10:58,000 --> 00:10:54,350
minions the flying monkey yes who

207
00:11:00,070 --> 00:10:58,010
believe this which are there come rain

208
00:11:02,440 --> 00:11:00,080
hail or shine and praise her endlessly

209
00:11:06,960 --> 00:11:02,450
on on the intertubes yeah it really is a

210
00:11:09,790 --> 00:11:06,970
bit of a case that isn't it is it's some

211
00:11:11,290 --> 00:11:09,800
we've likened to the avian to a cult for

212
00:11:13,980 --> 00:11:11,300
a long time and we've actually gone

213
00:11:18,490 --> 00:11:13,990

through the the checklist of a cult and

214

00:11:21,970 --> 00:11:18,500

the avian ticks every box for it yeah

215

00:11:25,150 --> 00:11:21,980

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

216

00:11:27,790 --> 00:11:25,160

be called anything else it's fascinating

217

00:11:29,350 --> 00:11:27,800

and of course one of the things i find

218

00:11:31,329 --> 00:11:29,360

endlessly interesting in this whole

219

00:11:35,370 --> 00:11:31,339

business is the way that the other side

220

00:11:39,430 --> 00:11:35,380

for lack of a better term will use

221

00:11:41,350 --> 00:11:39,440

things against us criticisms one of them

222

00:11:43,150 --> 00:11:41,360

is of course that we are all sheeple and

223

00:11:45,940 --> 00:11:43,160

we just follow the cult leader without

224

00:11:47,380 --> 00:11:45,950

thinking if i can tell you friends if

225

00:11:49,300 --> 00:11:47,390

you could see me now interviewing you

226

00:11:51,490 --> 00:11:49,310

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

227

00:11:53,290 --> 00:11:51,500

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

228

00:11:54,699 --> 00:11:53,300

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

229

00:11:58,240 --> 00:11:54,709

track attacks that are torn at the back

230

00:12:01,480 --> 00:11:58,250

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

231

00:12:03,460 --> 00:12:01,490

trying to say is we all are very pleased

232

00:12:05,290 --> 00:12:03,470

if people listen to what we have to say

233

00:12:07,569 --> 00:12:05,300

but heavens above we're just as human as

234

00:12:10,720 --> 00:12:07,579

anybody else and we only we do our best

235

00:12:12,610 --> 00:12:10,730

to be on the right the right course but

236

00:12:15,370 --> 00:12:12,620

I really get the impression that her

237

00:12:17,710 --> 00:12:15,380

true believers really think she is the

238

00:12:20,980 --> 00:12:17,720

personification of everything light and

239

00:12:25,060 --> 00:12:20,990

good yeah it day too and in fact they

240

00:12:26,620 --> 00:12:25,070

say um I'm just trying to fight it now

241

00:12:29,860 --> 00:12:26,630

actually that though she actually did

242

00:12:32,949 --> 00:12:29,870

say something yesterday which really

243

00:12:35,199 --> 00:12:32,959

knocked it on the head oh I can actually

244

00:12:38,680 --> 00:12:35,209

I can actually probably paraphrase it

245

00:12:41,079 --> 00:12:38,690

was so nice to look down on all of you

246

00:12:43,350 --> 00:12:41,089

and see your smiling faces looking back

247

00:12:49,019 --> 00:12:43,360

up oh yeah

248

00:12:53,610 --> 00:12:49,029

oh yeah I just get this this image of of

249

00:12:55,710 --> 00:12:53,620

Kim Jung Merrill you know it's the old

250

00:12:57,389 --> 00:12:55,720

joke about the monkeys on the tree yeah

251
00:13:00,170 --> 00:12:57,399
top monkeys look down see nothin but

252
00:13:02,400 --> 00:13:00,180
smilin faces the bottom Loki's look up

253
00:13:05,970 --> 00:13:02,410
Tommy else well there we are we're

254
00:13:08,310 --> 00:13:05,980
bringing monkeys back into it again they

255
00:13:10,759 --> 00:13:08,320
just won't go go away anyway let's get

256
00:13:12,900 --> 00:13:10,769
back to the SAV and list of this

257
00:13:15,180 --> 00:13:12,910
Australian vaccination network what a

258
00:13:17,310 --> 00:13:15,190
mouthful that is SAV ends much easier to

259
00:13:20,400 --> 00:13:17,320
say and of course we encourage all our

260
00:13:24,180 --> 00:13:20,410
listeners to run to facebook.com slash

261
00:13:25,769 --> 00:13:24,190
stop a vm that's correct yep and then

262
00:13:28,530 --> 00:13:25,779
they can find out much more about the

263
00:13:30,949 --> 00:13:28,540

activities and join lincoln join up

264

00:13:33,509 --> 00:13:30,959

that's the way to do it now because

265

00:13:37,079 --> 00:13:33,519

bringing all these things together we

266

00:13:39,300 --> 00:13:37,089

have the situation and as we record this

267

00:13:42,000 --> 00:13:39,310

on friday evening Meryl is at the

268

00:13:44,160 --> 00:13:42,010

Woodford Folk Festival speaking but the

269

00:13:46,139 --> 00:13:44,170

thing that we can discuss was

270

00:13:49,470 --> 00:13:46,149

yesterday's activities which is thursday

271

00:13:51,930 --> 00:13:49,480

here in australia where Meryl was going

272

00:13:57,120 --> 00:13:51,940

to have the microphone to herself to

273

00:14:00,990 --> 00:13:57,130

talk about autism and due to community

274

00:14:05,970 --> 00:14:01,000

pressure centered with s avian and their

275

00:14:08,910 --> 00:14:05,980

activities of sav n we got a much better

276

00:14:10,199 --> 00:14:08,920

outcome I mean we probably better than

277

00:14:12,180 --> 00:14:10,209

we should have hoped for it was just

278

00:14:15,120 --> 00:14:12,190

fantastic where she was relegated to

279

00:14:18,470 --> 00:14:15,130

simply taking part in a forum which had

280

00:14:20,730 --> 00:14:18,480

real experts on it who were there to

281

00:14:24,300 --> 00:14:20,740

advocate to the crowd the benefits of

282

00:14:26,610 --> 00:14:24,310

vaccination yeah I mean it was a better

283

00:14:28,680 --> 00:14:26,620

outcome but it would have been

284

00:14:31,710 --> 00:14:28,690

preferable if they just candor really

285

00:14:35,790 --> 00:14:31,720

and I my argument has always been she

286

00:14:39,360 --> 00:14:35,800

has she has no place in a on a stage

287

00:14:43,040 --> 00:14:39,370

with an immunologist there is there is

288

00:14:45,569 --> 00:14:43,050

absolutely no reason to have Meryl Dory

289

00:14:49,319 --> 00:14:45,579

anywhere near for him like that she's

290

00:14:52,290 --> 00:14:49,329

not qualified at all to speak about

291

00:14:54,000 --> 00:14:52,300

vaccines know what isn't she Australia's

292

00:14:57,130 --> 00:14:54,010

leading vaccination expert

293

00:15:01,060 --> 00:14:57,140

right I've only in her own mind Rick

294

00:15:02,410 --> 00:15:01,070

well I of course i agree with you

295

00:15:05,199 --> 00:15:02,420

of course there's absolutely no place

296

00:15:08,680 --> 00:15:05,209

for her to speak at these events because

297

00:15:12,540 --> 00:15:08,690

it as the government have pointed out

298

00:15:15,490 --> 00:15:12,550

what she says is incorrect it's wrong

299

00:15:16,990 --> 00:15:15,500

however given the fact that it was a

300

00:15:19,990 --> 00:15:17,000

pretty good luck lee hood she was going

301
00:15:22,300 --> 00:15:20,000
to speak at least we got a decent

302
00:15:24,610 --> 00:15:22,310
outcome and let's take our victories

303
00:15:27,490 --> 00:15:24,620
when we can get them about tribe so

304
00:15:28,900 --> 00:15:27,500
there she was as part of a an overall

305
00:15:30,310 --> 00:15:28,910
panel infill you might be able to take

306
00:15:32,320 --> 00:15:30,320
up the story here because you were there

307
00:15:34,480 --> 00:15:32,330
you were our man on the spot or when I

308
00:15:36,360 --> 00:15:34,490
say oh I mean our site not the skeptics

309
00:15:38,680 --> 00:15:36,370
of course because we didn't bloody no

310
00:15:41,350 --> 00:15:38,690
that's wrong and we didn't bloody know

311
00:15:43,210 --> 00:15:41,360
what was going to happen which was is it

312
00:15:46,449 --> 00:15:43,220
a bird as if the plane oh it is a plane

313
00:15:50,920 --> 00:15:46,459

getting so if you could fill us in on

314

00:15:54,040 --> 00:15:50,930

this wonderful flyby well unknown to

315

00:15:57,430 --> 00:15:54,050

just about everybody we had a little

316

00:15:59,650 --> 00:15:57,440

plane tying a nice big banner over would

317

00:16:02,290 --> 00:15:59,660

fridge for 2 l's half hour before and

318

00:16:04,569 --> 00:16:02,300

half hour after talk and the for the air

319

00:16:08,019 --> 00:16:04,579

in the middle which said vaccination

320

00:16:10,769 --> 00:16:08,029

saves lives so he said that was towing a

321

00:16:13,900 --> 00:16:10,779

big banner right that's right yeah yeah

322

00:16:16,540 --> 00:16:13,910

I've seen a couple of snapshots of it

323

00:16:21,060 --> 00:16:16,550

wow that's fantastic and I also know

324

00:16:24,040 --> 00:16:21,070

that Meryl Dory saw that pretty early on

325

00:16:25,900 --> 00:16:24,050

if the reaction on stage was priceless

326

00:16:28,470 --> 00:16:25,910

she actually thanked the Australians get

327

00:16:33,220 --> 00:16:28,480

fixed for the free advertising

328

00:16:36,550 --> 00:16:33,230

unbelievable it's Australian skeptics

329

00:16:38,860 --> 00:16:36,560

have nothing to do with it well not only

330

00:16:40,750 --> 00:16:38,870

of course of course you're right we

331

00:16:42,970 --> 00:16:40,760

didn't speaking on behalf of Australian

332

00:16:46,540 --> 00:16:42,980

skeptics back no clue was going to

333

00:16:48,180 --> 00:16:46,550

happen and but what really tickles me is

334

00:16:50,260 --> 00:16:48,190

that she's trying this old trick of

335

00:16:53,010 --> 00:16:50,270

thanking the opposition for free

336

00:16:56,199 --> 00:16:53,020

publicity where the free publicity was

337

00:16:57,940 --> 00:16:56,209

unequivocally saying vaccinate whatever

338

00:17:01,269 --> 00:16:57,950

you do you know vaccinations a really

339

00:17:03,189 --> 00:17:01,279

good thing so it was a pathetic attempt

340

00:17:05,049 --> 00:17:03,199

to her to try and turn the tables you

341

00:17:07,549 --> 00:17:05,059

know that's wrong yeah they got our

342

00:17:09,169 --> 00:17:07,559

message across very clearly to

343

00:17:11,179 --> 00:17:09,179

body that was there was pointing up

344

00:17:14,600 --> 00:17:11,189

looking and everybody had their camera's

345

00:17:16,489 --> 00:17:14,610

out I was a great spectacle now I felt

346

00:17:18,350 --> 00:17:16,499

being being on the spot is that where

347

00:17:20,299 --> 00:17:18,360

you were in the audience for the talks I

348

00:17:22,759 --> 00:17:20,309

was I had to duck out for a little bit

349

00:17:26,289 --> 00:17:22,769

so I didn't see it all but yeah yes I

350

00:17:29,419 --> 00:17:26,299

got to see the start and the finish and

351

00:17:30,950 --> 00:17:29,429

the question time and how did that go

352

00:17:33,680 --> 00:17:30,960

how do you think that when do you think

353

00:17:38,810 --> 00:17:33,690

it was it was a good pro vaccination all

354

00:17:41,989 --> 00:17:38,820

over and was the Meryl actually stumble

355

00:17:44,029 --> 00:17:41,999

or did she tried to her old tricks uh

356

00:17:46,820 --> 00:17:44,039

well she she tried pretty much all her

357

00:17:50,060 --> 00:17:46,830

usual tricks she didn't really stumble I

358

00:17:52,220 --> 00:17:50,070

wouldn't say there's a fair bit of and

359

00:17:55,460 --> 00:17:52,230

evac supporting the crowd to start with

360

00:17:58,430 --> 00:17:55,470

but then there was quite a lot of provac

361

00:18:00,440 --> 00:17:58,440

support in the crowded as well and in

362

00:18:01,820 --> 00:18:00,450

fact after that the show is over and

363

00:18:04,039 --> 00:18:01,830

were handing out leaflets and talking to

364

00:18:06,440 --> 00:18:04,049

everybody we've got nothing but positive

365

00:18:08,570 --> 00:18:06,450

feedback and of course this is caught

366

00:18:11,029 --> 00:18:08,580

the attention of the wider skeptical

367

00:18:13,070 --> 00:18:11,039

community around the world and our good

368

00:18:15,080 --> 00:18:13,080

friend our good friend dr. Phil Plait

369

00:18:18,529 --> 00:18:15,090

was particularly chuffed about all this

370

00:18:21,470 --> 00:18:18,539

and wrote a wonderful blog piece yeah he

371

00:18:23,749 --> 00:18:21,480

did oh it was some on Twitter following

372

00:18:26,690 --> 00:18:23,759

the whole thing when I saw him tweeting

373

00:18:29,090 --> 00:18:26,700

about something else so I thought I'd

374

00:18:30,970 --> 00:18:29,100

you know take the opportunity to direct

375

00:18:35,779 --> 00:18:30,980

him to the stop a villain and woodford

376

00:18:37,549 --> 00:18:35,789

double F hashtags and and he disappeared

377

00:18:43,009 --> 00:18:37,559

for about 15 minutes and then came back

378

00:18:44,720 --> 00:18:43,019

with his head exploding so that's

379

00:18:46,730 --> 00:18:44,730

fantastic and of course not only

380

00:18:49,489 --> 00:18:46,740

internationally but maybe more

381

00:18:53,539 --> 00:18:49,499

importantly are here in Australia made

382

00:18:56,029 --> 00:18:53,549

the the newspapers and the internet just

383

00:18:58,759 --> 00:18:56,039

went into meltdown as they say so

384

00:19:00,739 --> 00:18:58,769

despite what Meryl would say all thanks

385

00:19:04,419 --> 00:19:00,749

for the advertising and all the rest of

386

00:19:07,220 --> 00:19:04,429

it it was undoubtedly a really good

387

00:19:10,190 --> 00:19:07,230

publicity victory and moral victory i

388

00:19:12,440 --> 00:19:10,200

would say for for outside the size of

389

00:19:15,169 --> 00:19:12,450

science and reason science and reason

390

00:19:17,539 --> 00:19:15,179

and medicine for headings like yeah i

391

00:19:18,889 --> 00:19:17,549

mean i think she said that because she

392

00:19:19,800 --> 00:19:18,899

was where she was and she didn't really

393

00:19:22,140 --> 00:19:19,810

know what was happening

394

00:19:26,370 --> 00:19:22,150

line at the time because it wasn't just

395

00:19:29,220 --> 00:19:26,380

the the plane in the sky we it was a

396

00:19:32,250 --> 00:19:29,230

coordinated effort of bloggers and

397

00:19:34,950 --> 00:19:32,260

tweeters and we basically just occupied

398

00:19:39,390 --> 00:19:34,960

the net for a couple of hours with this

399

00:19:41,580 --> 00:19:39,400

and so that there was a lot of stuff

400

00:19:43,590 --> 00:19:41,590

happening online that she was clueless

401
00:19:46,350 --> 00:19:43,600
about until she got home i thinkin and

402
00:19:48,570 --> 00:19:46,360
you know found out what really was going

403
00:19:51,930 --> 00:19:48,580
on and today she's been very terse with

404
00:19:55,890 --> 00:19:51,940
a lot of people on her blog and on her

405
00:19:58,980 --> 00:19:55,900
group so she's not been happy well

406
00:20:01,430 --> 00:19:58,990
that's just that's such a video so sorry

407
00:20:03,630 --> 00:20:01,440
to hear that my heart pubs custody I

408
00:20:07,890 --> 00:20:03,640
tell you what's very interesting too

409
00:20:12,210 --> 00:20:07,900
because the the hashtag is now the

410
00:20:13,640 --> 00:20:12,220
hashtag stop avn you know that that's

411
00:20:17,280 --> 00:20:13,650
the hashtag that everyone's been

412
00:20:18,510 --> 00:20:17,290
tweeting under was getting such a lot of

413
00:20:19,710 --> 00:20:18,520

attention it brought out a few

414

00:20:21,600 --> 00:20:19,720

interesting characters out of the

415

00:20:24,480 --> 00:20:21,610

woodwork should we say including

416

00:20:27,120 --> 00:20:24,490

homeopathy plus yep fran sheffield

417

00:20:29,010 --> 00:20:27,130

friend sheffield now these people are in

418

00:20:31,200 --> 00:20:29,020

cahoots with the australian vaccination

419

00:20:33,960 --> 00:20:31,210

network in fact they've run conferences

420

00:20:36,660 --> 00:20:33,970

together and homeopathy plus sell

421

00:20:39,750 --> 00:20:36,670

merrill dory dvds on their website and

422

00:20:42,480 --> 00:20:39,760

homeopathy plus make absolutely no bones

423

00:20:43,920 --> 00:20:42,490

about it well mirror will dodge the

424

00:20:46,100 --> 00:20:43,930

issue quite a lot and pretend to be

425

00:20:50,220 --> 00:20:46,110

pro-choice and all the rest of it yeah

426

00:20:52,800 --> 00:20:50,230

homeopathy plus simply and without any

427

00:20:56,060 --> 00:20:52,810

confusion advocate the use of homeopathy

428

00:20:59,190 --> 00:20:56,070

magical fairy dust sugar water and sugar

429

00:21:01,860 --> 00:20:59,200

to vaccinate well of course they took

430

00:21:04,110 --> 00:21:01,870

bets bets they make money out of that so

431

00:21:07,160 --> 00:21:04,120

yeah it's not it's not surprising at all

432

00:21:10,470 --> 00:21:07,170

and that's another thing at woodford the

433

00:21:13,290 --> 00:21:10,480

homeopathic first aid tent it's like

434

00:21:15,060 --> 00:21:13,300

homeopathic first aid homeopathic first

435

00:21:17,220 --> 00:21:15,070

aiders like some skeptics when they just

436

00:21:18,150 --> 00:21:17,230

to take the mickey there's two people

437

00:21:20,910 --> 00:21:18,160

sitting there twiddling their thumbs

438

00:21:23,670 --> 00:21:20,920

nothing to do that baffles me that they

439

00:21:25,380 --> 00:21:23,680

bother although in in in defense i guess

440

00:21:27,480 --> 00:21:25,390

in defense of homeopathy it does

441

00:21:31,620 --> 00:21:27,490

actually work for two conditions ferns

442

00:21:33,200 --> 00:21:31,630

and high burns and dehydration but only

443

00:21:36,470 --> 00:21:33,210

in very large doses

444

00:21:39,440 --> 00:21:36,480

but don't think it's done hypoglycemia

445

00:21:42,080 --> 00:21:39,450

yes sugar pills may help yes yeah I mean

446

00:21:44,690 --> 00:21:42,090

we cleave identified three real things

447

00:21:47,029 --> 00:21:44,700

that homeopathy will actually work for

448

00:21:49,430 --> 00:21:47,039

but you need a lot of it well they you I

449

00:21:51,049 --> 00:21:49,440

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

450

00:21:53,000 --> 00:21:51,059

that it really does it really does sound

451
00:21:55,370 --> 00:21:53,010
like a group of skeptics got together

452
00:21:57,769 --> 00:21:55,380
and said look here's a really great gag

453
00:22:00,019 --> 00:21:57,779
will have a homeopathic first aid okay

454
00:22:01,909 --> 00:22:00,029
they won't believe it ever or there you

455
00:22:06,889 --> 00:22:01,919
go i mean the truth is stranger than

456
00:22:10,490 --> 00:22:06,899
fiction so this is it's it's a time

457
00:22:14,690 --> 00:22:10,500
actually for sav enter to have a drink

458
00:22:16,340 --> 00:22:14,700
and say yes we did well we had a good

459
00:22:19,700 --> 00:22:16,350
success here and i think you really

460
00:22:22,549 --> 00:22:19,710
really really did but it's the fight

461
00:22:25,039 --> 00:22:22,559
goes on yeah but Meryl is in like three

462
00:22:27,110 --> 00:22:25,049
four five six seven kinds of trouble of

463
00:22:30,620 --> 00:22:27,120

the nomination she doesn't even massive

464

00:22:32,750 --> 00:22:30,630

trouble I mean she's currently in court

465

00:22:35,029 --> 00:22:32,760

suing the hey Triple C which has got no

466

00:22:37,580 --> 00:22:35,039

chance of winning and I was speaking to

467

00:22:40,340 --> 00:22:37,590

a person who often represents the H

468

00:22:44,990 --> 00:22:40,350

Triple city and it's a matter of policy

469

00:22:46,970 --> 00:22:45,000

that they go for court costs so I mean

470

00:22:49,039 --> 00:22:46,980

Merrill is going to be up to her he'll

471

00:22:50,960 --> 00:22:49,049

choose you know hundreds of thousands of

472

00:22:54,070 --> 00:22:50,970

dollars worth of court fees to to worry

473

00:22:56,990 --> 00:22:54,080

about as a result of that of course the

474

00:22:58,460 --> 00:22:57,000

office of litigating racing is waiting

475

00:23:02,510 --> 00:22:58,470

in the wings for the court case to

476
00:23:04,490 --> 00:23:02,520
conclude before they pounce she's under

477
00:23:07,250 --> 00:23:04,500
investigation in Western Australia for

478
00:23:09,409 --> 00:23:07,260
fundraising without a license and she's

479
00:23:12,470 --> 00:23:09,419
about to be in trouble in Queensland for

480
00:23:14,510 --> 00:23:12,480
fundraising without a license and on top

481
00:23:17,930 --> 00:23:14,520
of all that of course I think she's in

482
00:23:21,710 --> 00:23:17,940
trouble for bridges of copyright yes she

483
00:23:24,470 --> 00:23:21,720
is and I think there's a a lot of people

484
00:23:27,200 --> 00:23:24,480
out there who are currently I guess

485
00:23:30,880 --> 00:23:27,210
seeking advice on the matter if I can

486
00:23:33,970 --> 00:23:30,890
put it that way zone um it's it's

487
00:23:36,649 --> 00:23:33,980
she-she's she has a no idea how much

488
00:23:38,810 --> 00:23:36,659

trouble she's in I don't think will

489

00:23:41,960 --> 00:23:38,820

she either doesn't know or she's

490

00:23:44,299 --> 00:23:41,970

pretending it's not happening yeah it's

491

00:23:46,210 --> 00:23:44,309

got to counter a big crunch yeah and

492

00:23:49,630 --> 00:23:46,220

prob and hopefully sooner rather

493

00:23:52,960 --> 00:23:49,640

than later but it's it's I mean it

494

00:23:54,820 --> 00:23:52,970

really is good to be part of the same

495

00:23:57,520 --> 00:23:54,830

sort of movement that can make things

496

00:23:59,980 --> 00:23:57,530

happen I love it when things happen

497

00:24:03,580 --> 00:23:59,990

people don't just sit back and say oh

498

00:24:06,700 --> 00:24:03,590

what a terrible situation this is active

499

00:24:08,080 --> 00:24:06,710

people and collectively have really done

500

00:24:10,210 --> 00:24:08,090

something about this and it was a

501
00:24:13,450 --> 00:24:10,220
collective effort from the friends and

502
00:24:16,120 --> 00:24:13,460
supporters of the SAV n wasn't it yeah

503
00:24:18,990 --> 00:24:16,130
and I mean I that that sort of brings

504
00:24:21,580 --> 00:24:19,000
home the point of how we get our money

505
00:24:23,799 --> 00:24:21,590
because Meryl tori is convinced that

506
00:24:24,940 --> 00:24:23,809
we're back from some big organization

507
00:24:27,159 --> 00:24:24,950
and she points to the Australian

508
00:24:28,840 --> 00:24:27,169
skeptics quite often I'm saying that

509
00:24:31,210 --> 00:24:28,850
weird you know the way funded by then

510
00:24:33,250 --> 00:24:31,220
and we run by then it's tired it's

511
00:24:36,159 --> 00:24:33,260
totally false where we are not a branch

512
00:24:38,350 --> 00:24:36,169
of the Australian skeptics we are God's

513
00:24:39,970 --> 00:24:38,360

without the heart apart from the the

514

00:24:41,560 --> 00:24:39,980

moral support that we've been given by

515

00:24:45,010 --> 00:24:41,570

the Australian skeptics there's there's

516

00:24:47,110 --> 00:24:45,020

absolutely nothing to we've got nothing

517

00:24:50,710 --> 00:24:47,120

to do with them and they've got nothing

518

00:24:52,090 --> 00:24:50,720

to do with us we paid for the plane out

519

00:24:54,640 --> 00:24:52,100

of our own pockets you know we all

520

00:24:56,680 --> 00:24:54,650

chipped in and any time we we pay for

521

00:24:58,419 --> 00:24:56,690

things like the advertising in in the

522

00:25:00,760 --> 00:24:58,429

newspapers in Western Australia when she

523

00:25:02,620 --> 00:25:00,770

was over there was paid for by members

524

00:25:06,130 --> 00:25:02,630

out of their own pockets which shipped

525

00:25:10,210 --> 00:25:06,140

in and anytime we need to do something

526

00:25:13,330 --> 00:25:10,220

big we just we just clubbed it so it

527

00:25:15,100 --> 00:25:13,340

there's no with her I mean if she's

528

00:25:18,669 --> 00:25:15,110

trying to follow the money she doesn't

529

00:25:20,919 --> 00:25:18,679

have father but ago so do you think that

530

00:25:23,669 --> 00:25:20,929

she really sincerely believes that that

531

00:25:27,070 --> 00:25:23,679

people like you and me and other members

532

00:25:29,350 --> 00:25:27,080

who support what we're doing literally

533

00:25:31,330 --> 00:25:29,360

get some sort of brown paper envelopes

534

00:25:33,340 --> 00:25:31,340

every week with big farmer money or

535

00:25:35,140 --> 00:25:33,350

something like that I wonder I think she

536

00:25:37,330 --> 00:25:35,150

absolutely believes it because it plays

537

00:25:40,289 --> 00:25:37,340

right into the the kind of conspiracy

538

00:25:44,350 --> 00:25:40,299

theory thinking that she's renowned for

539

00:25:47,919 --> 00:25:44,360

we certainly see it on the on the tweets

540

00:25:49,480 --> 00:25:47,929

and on the blogs and discussions the her

541

00:25:51,700 --> 00:25:49,490

followers will often say I wonder how

542

00:25:55,180 --> 00:25:51,710

much they got or get bit more big pharma

543

00:25:57,460 --> 00:25:55,190

money or she'll or things like that I it

544

00:25:59,649 --> 00:25:57,470

amazes me that big pharma have any money

545

00:25:59,930 --> 00:25:59,659

left now she has paid us all off you

546

00:26:02,269 --> 00:25:59,940

that's

547

00:26:04,539 --> 00:26:02,279

right I think it I think it comes from a

548

00:26:08,029 --> 00:26:04,549

place of them being so set in their ways

549

00:26:10,460 --> 00:26:08,039

that they just cannot believe that

550

00:26:13,850 --> 00:26:10,470

anyone would be imposing them without

551
00:26:17,029 --> 00:26:13,860
being on the payroll of a pharmaceutical

552
00:26:19,159 --> 00:26:17,039
company I don't think that they really

553
00:26:20,840 --> 00:26:19,169
understand that there are a lot of

554
00:26:22,549 --> 00:26:20,850
people out there who disagree with them

555
00:26:24,590 --> 00:26:22,559
and disagree with them because they're

556
00:26:27,560 --> 00:26:24,600
wrong not because they're you know we've

557
00:26:30,830 --> 00:26:27,570
been paid by anybody absolutely

558
00:26:35,690 --> 00:26:30,840
absolutely i mean you and I and many of

559
00:26:37,190 --> 00:26:35,700
us do this because well I can say we we

560
00:26:39,499 --> 00:26:37,200
believe in what we're doing but we

561
00:26:41,899 --> 00:26:39,509
believe in what we're doing for in a

562
00:26:43,519 --> 00:26:41,909
different way to the flying monkeys for

563
00:26:46,490 --> 00:26:43,529

example that's right we believe in what

564

00:26:49,399 --> 00:26:46,500

we're doing because it's been tried and

565

00:26:52,100 --> 00:26:49,409

true it's been put through the ringer of

566

00:26:54,320 --> 00:26:52,110

scientific rigor and it's come out the

567

00:26:58,700 --> 00:26:54,330

other side that's that's exactly the

568

00:27:01,340 --> 00:26:58,710

point I am NOT pro vaccinations I am Pro

569

00:27:05,060 --> 00:27:01,350

science and science has consistently

570

00:27:08,529 --> 00:27:05,070

shown vaccination to be effective and

571

00:27:11,480 --> 00:27:08,539

safe and so as someone who is

572

00:27:13,990 --> 00:27:11,490

science-minded I follow the evidence and

573

00:27:16,310 --> 00:27:14,000

the evidence is in favor of vaccination

574

00:27:19,190 --> 00:27:16,320

absolutely right absolutely right now as

575

00:27:21,470 --> 00:27:19,200

I said before it's been put through it's

576

00:27:23,960 --> 00:27:21,480

been tested like you wouldn't believe in

577

00:27:25,730 --> 00:27:23,970

testing again and test it again and I

578

00:27:27,320 --> 00:27:25,740

mean look the whole thing about

579

00:27:29,619 --> 00:27:27,330

pharmaceutical companies if the

580

00:27:32,749 --> 00:27:29,629

pharmaceutical companies were really

581

00:27:36,350 --> 00:27:32,759

only about money they wouldn't make

582

00:27:38,690 --> 00:27:36,360

vaccines it is they get far more money

583

00:27:41,899 --> 00:27:38,700

from treatment of diseases then from

584

00:27:43,879 --> 00:27:41,909

prevention and vaccines often cost

585

00:27:47,960 --> 00:27:43,889

companies money especially when they

586

00:27:50,419 --> 00:27:47,970

they come up for these occasional

587

00:27:52,450 --> 00:27:50,429

pandemics that we get such as bird flu

588

00:27:54,740 --> 00:27:52,460

or swine flu where they have to quickly

589

00:27:57,590 --> 00:27:54,750

research and develop a vaccine it's

590

00:28:01,279 --> 00:27:57,600

effective and they lose so much money

591

00:28:02,570 --> 00:28:01,289

from doing that um they would make so

592

00:28:05,330 --> 00:28:02,580

much more money if they just let

593

00:28:07,519 --> 00:28:05,340

everyone get sick absolutely and when

594

00:28:09,859 --> 00:28:07,529

you think about it they would make a lot

595

00:28:11,980 --> 00:28:09,869

more money if they didn't have huge

596

00:28:14,260 --> 00:28:11,990

overheads like testing and put

597

00:28:17,169 --> 00:28:14,270

yep they could simply sell oh I don't

598

00:28:19,720 --> 00:28:17,179

know homeopathy yeah they could they

599

00:28:21,460 --> 00:28:19,730

could even the professor yesterday made

600

00:28:23,560 --> 00:28:21,470

a point of saying that he he's only ever

601
00:28:25,720 --> 00:28:23,570
received maybe thirty thousand dollars

602
00:28:27,970 --> 00:28:25,730
over ten years from the pharmaceutical

603
00:28:30,250 --> 00:28:27,980
companies to dance ten thousand dollars

604
00:28:32,980 --> 00:28:30,260
more than I preserve yeah and he's a

605
00:28:35,890 --> 00:28:32,990
professional immunologists but I mean

606
00:28:38,560 --> 00:28:35,900
which she she doesn't order the APN and

607
00:28:41,470 --> 00:28:38,570
their followers have this fuel of

608
00:28:45,010 --> 00:28:41,480
doctors and the medical community that

609
00:28:46,600 --> 00:28:45,020
they are all evil yeah I and yet when

610
00:28:49,000 --> 00:28:46,610
I've met doctors when I've met people

611
00:28:50,919 --> 00:28:49,010
who are in that industry they got into

612
00:28:53,380 --> 00:28:50,929
it because they want to help people you

613
00:28:55,150 --> 00:28:53,390

know they see people sick and they want

614

00:28:56,560 --> 00:28:55,160

to do something about it and you're only

615

00:28:59,919 --> 00:28:56,570

saying that because you're part of the

616

00:29:03,870 --> 00:28:59,929

concise yep yep totally and a second I

617

00:29:06,610 --> 00:29:03,880

just pop my brown paper bag just arrived

618

00:29:08,890 --> 00:29:06,620

okay keeps on the side for me look at we

619

00:29:11,860 --> 00:29:08,900

have to also we have to also mention

620

00:29:15,669 --> 00:29:11,870

some other people who of course were

621

00:29:17,830 --> 00:29:15,679

instrumental yes and it was a Robin Hill

622

00:29:21,190 --> 00:29:17,840

Ian who organized the fight Robin

623

00:29:23,799 --> 00:29:21,200

Hillier gear he researched it as a

624

00:29:26,440 --> 00:29:23,809

possibility and then asked us whether

625

00:29:29,530 --> 00:29:26,450

we'd been up for that and of course s

626

00:29:31,690 --> 00:29:29,540

avian has a bit of a cheeky side and

627

00:29:34,960 --> 00:29:31,700

it was just right up our alley so of

628

00:29:36,700 --> 00:29:34,970

course we we we said yes we'd love to so

629

00:29:40,090 --> 00:29:36,710

he was he was basically the one who

630

00:29:42,460 --> 00:29:40,100

researched it took up the collection and

631

00:29:45,040 --> 00:29:42,470

they booked it and made sure it was all

632

00:29:48,340 --> 00:29:45,050

oh so he was the one that was real that

633

00:29:51,120 --> 00:29:48,350

really spearheaded this and everything

634

00:29:53,440 --> 00:29:51,130

that happened online at the same time

635

00:29:55,330 --> 00:29:53,450

kind of worked out in the last couple of

636

00:29:57,340 --> 00:29:55,340

days before it happened wasn't moving

637

00:30:00,400 --> 00:29:57,350

heart of it it's oh so Robin Hill he had

638

00:30:03,940 --> 00:30:00,410

really um was was the man behind her the

639

00:30:06,160 --> 00:30:03,950

show so well hats off to Robin and of

640

00:30:09,460 --> 00:30:06,170

course another name that I've been asked

641

00:30:12,850 --> 00:30:09,470

to mention for the tireless press work

642

00:30:17,470 --> 00:30:12,860

would be chris stevenson yes she has

643

00:30:19,930 --> 00:30:17,480

been tremendous over these past few

644

00:30:22,810 --> 00:30:19,940

weeks really and especially in the

645

00:30:24,490 --> 00:30:22,820

lead-up to the Woodford Folk Festival

646

00:30:25,629 --> 00:30:24,500

she has been the one that has been at

647

00:30:27,849 --> 00:30:25,639

the forefront of the

648

00:30:30,819 --> 00:30:27,859

out of our media campaign given that

649

00:30:32,799 --> 00:30:30,829

she's a local up there she really did

650

00:30:35,109 --> 00:30:32,809

step up to the mark so she's been great

651

00:30:37,449 --> 00:30:35,119

and she's a lovely writer in her own

652

00:30:39,999 --> 00:30:37,459

right if nothing else on this issue read

653

00:30:41,799 --> 00:30:40,009

read a three-part tragedy story in I

654

00:30:44,430 --> 00:30:41,809

think it's Mamma Mia yeah absolutely

655

00:30:48,310 --> 00:30:44,440

beautiful words yeah she's she's an

656

00:30:51,009 --> 00:30:48,320

extremely good writer and and I I'd

657

00:30:55,029 --> 00:30:51,019

recommend anyone to to get on and read

658

00:30:57,159 --> 00:30:55,039

Chris's stuff well what can i say i'm so

659

00:30:59,799 --> 00:30:57,169

pleased to be part of as I said before

660

00:31:02,079 --> 00:30:59,809

part of this whole side of things that

661

00:31:05,289 --> 00:31:02,089

can really get things done now before we

662

00:31:09,819 --> 00:31:05,299

wind up Phil I think you want to give a

663

00:31:13,359 --> 00:31:09,829

plug for your pub I aurea skeptics in

664

00:31:15,039 --> 00:31:13,369

the pub yes yes normally the first

665

00:31:17,789 --> 00:31:15,049

Tuesday of every month that the the

666

00:31:21,489 --> 00:31:17,799

plane at southbank here in Brisbane

667

00:31:25,389 --> 00:31:21,499

anyone's welcome to come along skeptics

668

00:31:26,649 --> 00:31:25,399

atheists theists humanists everybody we

669

00:31:29,919 --> 00:31:26,659

just like to sit around have a bit of a

670

00:31:32,949 --> 00:31:29,929

chat it's all very informal you can find

671

00:31:36,069 --> 00:31:32,959

us on facebook or at brisbane city p.s

672

00:31:39,459 --> 00:31:36,079

ITP but this month we're having it on

673

00:31:42,549 --> 00:31:39,469

the 10th because of christmas ah there

674

00:31:44,589 --> 00:31:42,559

this month meaning january yes right

675

00:31:47,379 --> 00:31:44,599

which is a month the month within the

676
00:31:49,119 --> 00:31:47,389
next 30 days well actually it depends on

677
00:31:52,389 --> 00:31:49,129
when people are listening to this I hope

678
00:31:54,549 --> 00:31:52,399
to get this out in 2011 might be out in

679
00:31:56,349 --> 00:31:54,559
2012 I will see what we can do whatever

680
00:31:58,629 --> 00:31:56,359
it is it's the it's January we're

681
00:32:00,789 --> 00:31:58,639
talking about yes January 10 alright

682
00:32:03,039 --> 00:32:00,799
Brisbane people you've had the word the

683
00:32:05,769 --> 00:32:03,049
message get to there you can certainly

684
00:32:07,989 --> 00:32:05,779
find out more about skepticism and the

685
00:32:11,109 --> 00:32:07,999
work of the stop the Australian

686
00:32:14,109 --> 00:32:11,119
vaccination network run the Facebook run

687
00:32:18,069 --> 00:32:14,119
to Twitter look at the hashtag hash stop

688
00:32:20,139 --> 00:32:18,079

avn it has been going off and trending I

689

00:32:22,419 --> 00:32:20,149

noticed which is fantastic and you can

690

00:32:24,339 --> 00:32:22,429

also follow us on Twitter as well it's

691

00:32:28,389 --> 00:32:24,349

basically at a stop avian if you'd like

692

00:32:30,279 --> 00:32:28,399

to follow us there you go folks Phil and

693

00:32:33,129 --> 00:32:30,289

Daniel thanks very much for your great

694

00:32:36,190 --> 00:32:33,139

effort this has made news around the

695

00:32:37,850 --> 00:32:36,200

world and deservedly so and all power to

696

00:33:07,099 --> 00:32:37,860

you in two thousand

697

00:33:07,109 --> 00:33:12,250

the dirty disbelievers Oh

698

00:33:15,750 --> 00:33:13,840

I can hear them like any of them all

699

00:33:18,330 --> 00:33:15,760

what's going on

700

00:33:21,660 --> 00:33:18,340

mr. announcer guy on ABC local radio

701
00:33:24,570 --> 00:33:21,670
digital radio and online weekends at six

702
00:33:29,779 --> 00:33:24,580
o'clock of the dirty disbelievers the

703
00:33:33,820 --> 00:33:31,999
like the red pill and the blue pill I

704
00:33:40,509 --> 00:33:33,830
say I can hear them I can hear them or

705
00:33:51,379 --> 00:33:43,879
now it's time for dr. Rachel reports

706
00:33:52,729 --> 00:33:51,389
with dr. Rachel Dunlop here in the

707
00:33:56,299 --> 00:33:52,739
background putting on these glasses

708
00:33:59,840 --> 00:33:56,309
actually is dr. Cohen stocky you are a

709
00:34:01,279 --> 00:33:59,850
postdoctoral scientist but in the free

710
00:34:03,680 --> 00:34:01,289
radical group at the heart research

711
00:34:05,719 --> 00:34:03,690
institute which is also where I work as

712
00:34:07,219 --> 00:34:05,729
a matter of fact now the reason I'm

713
00:34:08,720 --> 00:34:07,229

talking to you today is because you've

714

00:34:11,119 --> 00:34:08,730

just published some really exciting

715

00:34:13,490 --> 00:34:11,129

research which you did as part of your

716

00:34:15,710 --> 00:34:13,500

PhD in fact which you only took at the

717

00:34:19,180 --> 00:34:15,720

University of Melbourne and it's

718

00:34:21,319 --> 00:34:19,190

received a lot of media coverage so

719

00:34:23,180 --> 00:34:21,329

we're going to talk a little bit more in

720

00:34:24,770 --> 00:34:23,190

detail about that in a second but can we

721

00:34:26,510 --> 00:34:24,780

start off just by talking about heart

722

00:34:29,359 --> 00:34:26,520

disease because I guess that is the

723

00:34:32,629 --> 00:34:29,369

focus of this work that you've recently

724

00:34:34,819 --> 00:34:32,639

published so can you tell us all this

725

00:34:38,240 --> 00:34:34,829

was a little bit about the statistics

726

00:34:39,980 --> 00:34:38,250

and how serious heart disease is yeah we

727

00:34:41,869 --> 00:34:39,990

can talk about that it's actually not

728

00:34:45,889 --> 00:34:41,879

just my focus fits the focus of the

729

00:34:47,899 --> 00:34:45,899

whole Institute in general heart disease

730

00:34:50,659 --> 00:34:47,909

is the biggest killer of people in

731

00:34:52,819 --> 00:34:50,669

Australia and worldwide I think and now

732

00:34:57,650 --> 00:34:52,829

affects one in every five australians

733

00:34:59,650 --> 00:34:57,660

and its proposed and current trends

734

00:35:04,910 --> 00:34:59,660

continue it will be wanted for by the

735

00:35:06,589 --> 00:35:04,920

year 2050 I think one person in

736

00:35:09,799 --> 00:35:06,599

Australia dies every 10 minutes from

737

00:35:12,109 --> 00:35:09,809

heart disease that's quite a lot and it

738

00:35:14,990 --> 00:35:12,119

remains a singer of the largest single

739

00:35:16,539 --> 00:35:15,000

cause of mortality in Australia counts

740

00:35:18,380 --> 00:35:16,549

for thirty-four percent error and

741

00:35:21,079 --> 00:35:18,390

thirty-nine percent of male and female

742

00:35:23,480 --> 00:35:21,089

deaths respectively oh let's look at

743

00:35:27,859 --> 00:35:23,490

cost everyone likes to talk about money

744

00:35:30,440 --> 00:35:27,869

and it is an expensive disease yes seven

745

00:35:33,380 --> 00:35:30,450

billion australian dollars every year is

746

00:35:34,819 --> 00:35:33,390

the cost of heart disease to our health

747

00:35:36,620 --> 00:35:34,829

system yeah you said it's fifteen

748

00:35:38,430 --> 00:35:36,630

percent or in excess of seven billion

749

00:35:41,670 --> 00:35:38,440

dollars of the total allocated how

750

00:35:43,470 --> 00:35:41,680

system being in 2009 in Australia that's

751

00:35:46,140 --> 00:35:43,480

what I said which is significant isn't

752

00:35:47,880 --> 00:35:46,150

it it's quite a lot of money it is so

753

00:35:49,500 --> 00:35:47,890

that kind of leads into the discovery

754

00:35:51,569 --> 00:35:49,510

that you've just published and in fact

755

00:35:54,000 --> 00:35:51,579

you've patent of this as well it's

756

00:35:56,460 --> 00:35:54,010

derived from sugar right people love

757

00:35:58,500 --> 00:35:56,470

this idea of you know you can have sugar

758

00:36:00,900 --> 00:35:58,510

and it will help prevent heart disease

759

00:36:02,130 --> 00:36:00,910

because it kind of it's an oxymoron I

760

00:36:05,880 --> 00:36:02,140

suppose you know we're always told

761

00:36:08,160 --> 00:36:05,890

sugars bad for your heart you know but

762

00:36:10,589 --> 00:36:08,170

the thing is what we've actually done is

763

00:36:12,540 --> 00:36:10,599

we they're not real they're not sugars

764

00:36:14,970 --> 00:36:12,550

as you would eat you know a new

765

00:36:17,790 --> 00:36:14,980

breakfast cereal their their synthetic

766

00:36:20,130 --> 00:36:17,800

sugar derivatives so they don't act like

767

00:36:23,210 --> 00:36:20,140

sugars anymore but we yeah we just used

768

00:36:26,130 --> 00:36:23,220

it as a way to excite the public

769

00:36:28,920 --> 00:36:26,140

convention no what is it I mean it is

770

00:36:31,349 --> 00:36:28,930

based on a carbohydrate model but the

771

00:36:33,510 --> 00:36:31,359

unique thing about your patent and

772

00:36:37,620 --> 00:36:33,520

molecule is it contains a compound

773

00:36:39,270 --> 00:36:37,630

called selenium selenium directly mops

774

00:36:41,819 --> 00:36:39,280

up or absorbs these free radicals

775

00:36:44,010 --> 00:36:41,829

doesn't yeah so basically I'll explain

776

00:36:46,620 --> 00:36:44,020

the whole concept of the project because

777

00:36:48,599 --> 00:36:46,630

that I devised originally there's been a

778

00:36:51,690 --> 00:36:48,609

lot of research in the last 50 years

779

00:36:53,040 --> 00:36:51,700

about looking at selenium and this was

780

00:36:55,829 --> 00:36:53,050

ever since it was discovered that

781

00:36:57,839 --> 00:36:55,839

selenium is the active component or

782

00:37:02,010 --> 00:36:57,849

their active site of the enzyme

783

00:37:05,609 --> 00:37:02,020

glutathione peroxidase or GPX GPX is one

784

00:37:07,800 --> 00:37:05,619

of the key defense mechanisms that your

785

00:37:09,690 --> 00:37:07,810

body has against free radicals so it's

786

00:37:11,220 --> 00:37:09,700

an enzyme debates that basically floats

787

00:37:14,460 --> 00:37:11,230

around in your body in your bloodstream

788

00:37:18,569 --> 00:37:14,470

and it reduces down a lot of these

789

00:37:21,030 --> 00:37:18,579

radicals and oxidants and the reason why

790

00:37:24,180 --> 00:37:21,040

selenium is so good at this is because

791

00:37:25,620 --> 00:37:24,190

of the chemical properties that it that

792

00:37:27,870 --> 00:37:25,630

it has from where it sits in the

793

00:37:29,700 --> 00:37:27,880

periodic table it's it's a metalloid so

794

00:37:31,470 --> 00:37:29,710

it has half metal characteristics in

795

00:37:33,930 --> 00:37:31,480

half non metal which means that it

796

00:37:35,640 --> 00:37:33,940

contains properties are both so it can

797

00:37:37,950 --> 00:37:35,650

be incorporated into organic molecules

798

00:37:41,490 --> 00:37:37,960

as in a case of glutathione peroxidase

799

00:37:43,770 --> 00:37:41,500

but it also has the redox chemistry of a

800

00:37:45,990 --> 00:37:43,780

metal so it can change oxidation state

801
00:37:47,700 --> 00:37:46,000
really easily what it does is in a

802
00:37:48,800 --> 00:37:47,710
biological system as it acts as a

803
00:37:51,290 --> 00:37:48,810
preferential

804
00:37:53,990 --> 00:37:51,300
sittin so will it will react with

805
00:37:56,330 --> 00:37:54,000
oxidants you know thousand thousand

806
00:37:59,000 --> 00:37:56,340
times faster than any other molecule and

807
00:38:00,740 --> 00:37:59,010
that's why it's so protective now the

808
00:38:02,720 --> 00:38:00,750
interesting thing about selenium is it's

809
00:38:06,410 --> 00:38:02,730
actually it's been known about for

810
00:38:08,150 --> 00:38:06,420
thousands of years and but everyone

811
00:38:10,550 --> 00:38:08,160
thought that it was a bad metal they

812
00:38:13,070 --> 00:38:10,560
thought that it was really toxic because

813
00:38:15,230 --> 00:38:13,080

back in the days of the voyages of Marco

814

00:38:16,460 --> 00:38:15,240

Polo which they when they were traveling

815

00:38:18,170 --> 00:38:16,470

they went there were some countries they

816

00:38:20,090 --> 00:38:18,180

went to and there were these certain

817

00:38:22,340 --> 00:38:20,100

types of weeds and when the horses would

818

00:38:24,500 --> 00:38:22,350

eat the weeds that grew around this

819

00:38:28,010 --> 00:38:24,510

these river banks in this country and

820

00:38:30,050 --> 00:38:28,020

their hooves would start to fall off and

821

00:38:31,430 --> 00:38:30,060

it sounds really crazy but they they

822

00:38:34,940 --> 00:38:31,440

didn't realize at the time but these

823

00:38:36,650 --> 00:38:34,950

weeds are called loco weeds and these

824

00:38:38,360 --> 00:38:36,660

types of them all around the world they

825

00:38:41,390 --> 00:38:38,370

accumulate really high levels of

826

00:38:43,580 --> 00:38:41,400

selenium and to a toxic point so when

827

00:38:45,710 --> 00:38:43,590

the animals around them eat the weeds

828

00:38:47,680 --> 00:38:45,720

and they they start to develop selenium

829

00:38:49,970 --> 00:38:47,690

toxicity and animals one of the key

830

00:38:51,890 --> 00:38:49,980

symptoms of that is there who start

831

00:38:55,070 --> 00:38:51,900

floppin humans your nail stuff to crack

832

00:38:57,440 --> 00:38:55,080

and fall off here falls out so they knew

833

00:38:58,820 --> 00:38:57,450

about its toxicity effects as long ago

834

00:39:00,350 --> 00:38:58,830

as that they didn't know it was selenium

835

00:39:02,240 --> 00:39:00,360

that was doing it the wonderful thing

836

00:39:04,580 --> 00:39:02,250

about selenium is firstly it's it's

837

00:39:06,320 --> 00:39:04,590

metabolized by the body so it's not like

838

00:39:08,570 --> 00:39:06,330

mercury or lead where you build up you

839

00:39:11,210 --> 00:39:08,580

accumulate over time your body does

840

00:39:13,490 --> 00:39:11,220

metabolize and break it down but it can

841

00:39:15,770 --> 00:39:13,500

be toxic if you have too much I think

842

00:39:17,270 --> 00:39:15,780

the daily recommended intake is 100

843

00:39:18,800 --> 00:39:17,280

micrograms a day and they keep putting

844

00:39:20,060 --> 00:39:18,810

this up and up all the time because

845

00:39:21,740 --> 00:39:20,070

they're realizing that it's more and

846

00:39:23,480 --> 00:39:21,750

more important so as long as you keep

847

00:39:24,950 --> 00:39:23,490

within those limits then it's you're not

848

00:39:26,930 --> 00:39:24,960

going to have any problems and in fact

849

00:39:30,140 --> 00:39:26,940

if you don't have enough there's far

850

00:39:32,090 --> 00:39:30,150

worse side effects to having selenium

851

00:39:34,130 --> 00:39:32,100

deficiency so where do you get it from

852

00:39:36,020 --> 00:39:34,140

in general what sort of foods contain

853

00:39:38,620 --> 00:39:36,030

selenium this is interesting and I did a

854

00:39:41,600 --> 00:39:38,630

lot of research about this and obviously

855

00:39:44,060 --> 00:39:41,610

all the smelly foods like because the

856

00:39:45,440 --> 00:39:44,070

thing with selenium it's like sulfur in

857

00:39:47,840 --> 00:39:45,450

the periodic table and if anyone's been

858

00:39:49,670 --> 00:39:47,850

to a geothermal area where you have a

859

00:39:51,440 --> 00:39:49,680

lot of sulfurous compounds you know what

860

00:39:52,770 --> 00:39:51,450

I mean because you get that rancid

861

00:39:54,900 --> 00:39:52,780

rotten egg smell

862

00:39:56,910 --> 00:39:54,910

oh well as you go down that period

863

00:39:59,730 --> 00:39:56,920

selenium is like a thousand times more

864

00:40:02,640 --> 00:39:59,740

smelly than sulfur so anything any food

865

00:40:05,610 --> 00:40:02,650

that smells a lot generally got sulphur

866

00:40:09,810 --> 00:40:05,620

selenium in it garlic is your prime

867

00:40:12,480 --> 00:40:09,820

example uh-huh and you know onions all

868

00:40:14,520 --> 00:40:12,490

of those kind of really sort of rich

869

00:40:16,800 --> 00:40:14,530

foods with a lot of smell you get up

870

00:40:19,860 --> 00:40:16,810

from meat and eggs a lot of it comes

871

00:40:21,960 --> 00:40:19,870

from grain just from you know wheat

872

00:40:23,910 --> 00:40:21,970

growing in a selenium rich area is that

873

00:40:25,770 --> 00:40:23,920

because it absorbs through the rain as

874

00:40:27,090 --> 00:40:25,780

it grows in soil exactly and there's

875

00:40:28,530 --> 00:40:27,100

some areas around the world like New

876

00:40:30,690 --> 00:40:28,540

Zealand has really low selenium levels

877

00:40:33,420 --> 00:40:30,700

and it wasn't until New Zealand actually

878

00:40:37,520 --> 00:40:33,430

started importing wheat from overseas

879

00:40:39,570 --> 00:40:37,530

that the local populations you know

880

00:40:41,370 --> 00:40:39,580

general sort of health and well-being

881

00:40:43,890 --> 00:40:41,380

started improving because some of the

882

00:40:46,170 --> 00:40:43,900

first settlers found it a really big

883

00:40:47,580 --> 00:40:46,180

adjustment to have such low selenium in

884

00:40:50,970 --> 00:40:47,590

their diet and they got malnourished

885

00:40:54,030 --> 00:40:50,980

because of it the superfood though for

886

00:40:56,780 --> 00:40:54,040

selenium is Brazil nuts oh and this is

887

00:40:59,880 --> 00:40:56,790

crazy there's no other element like this

888

00:41:02,220 --> 00:40:59,890

Brazil nuts have almost 100 times more

889

00:41:04,770 --> 00:41:02,230

saline and than any other food out there

890

00:41:07,650 --> 00:41:04,780

and I did some calculations based on

891

00:41:10,040 --> 00:41:07,660

your average Brazil nut and to get your

892

00:41:14,520 --> 00:41:10,050

daily Sleeman take you need about five

893

00:41:18,120 --> 00:41:14,530

to ten Brazil nuts that's all daily

894

00:41:20,070 --> 00:41:18,130

allowance whereas to get the same amount

895

00:41:21,840 --> 00:41:20,080

of selenium from garlic you'd have to

896

00:41:23,970 --> 00:41:21,850

have a hundred two hundred cloves of

897

00:41:28,290 --> 00:41:23,980

garlic so you can take your pick really

898

00:41:31,290 --> 00:41:28,300

easy let's think about that shall we are

899

00:41:33,450 --> 00:41:31,300

you good at garlic oh you know like if

900

00:41:36,240 --> 00:41:33,460

you're Greek or Mediterranean purple

901
00:41:38,250 --> 00:41:36,250
that later SAT you but yeah I think I

902
00:41:39,540 --> 00:41:38,260
think I'll stick with Brazil nuts here's

903
00:41:42,840 --> 00:41:39,550
another point this is really interesting

904
00:41:44,730 --> 00:41:42,850
and there's an episode on house we all

905
00:41:46,590 --> 00:41:44,740
like house you know house yeah yeah I

906
00:41:48,720 --> 00:41:46,600
think most of Alice's no hassle me

907
00:41:50,130 --> 00:41:48,730
Laurie where your love Hillary of course

908
00:41:53,160 --> 00:41:50,140
if you don't happen so there was an

909
00:41:56,130 --> 00:41:53,170
episode on um house where you know guys

910
00:41:58,380 --> 00:41:56,140
sick here's that's falling out not well

911
00:42:00,780 --> 00:41:58,390
he's in hospital and you know they do

912
00:42:02,280 --> 00:42:00,790
they lapped cancer it's that you know

913
00:42:02,510 --> 00:42:02,290

how they play that whole game of let's

914

00:42:03,980 --> 00:42:02,520

go

915

00:42:05,630 --> 00:42:03,990

through ten diseases and in the last

916

00:42:09,020 --> 00:42:05,640

five minutes the show they'll figure it

917

00:42:11,270 --> 00:42:09,030

out and what actually happened was they

918

00:42:13,460 --> 00:42:11,280

claimed that he had selenium toxicity

919

00:42:15,530 --> 00:42:13,470

because he was addicted to Brazil nuts

920

00:42:17,600 --> 00:42:15,540

and I was like you know that could be

921

00:42:19,070 --> 00:42:17,610

possible and then I did the sums and

922

00:42:21,140 --> 00:42:19,080

worked out that this guy would have to

923

00:42:23,600 --> 00:42:21,150

be eating about 50 to 100 Brazil nuts a

924

00:42:25,880 --> 00:42:23,610

day but the key thing with selenium is

925

00:42:29,360 --> 00:42:25,890

like I said it's metabolized and some of

926
00:42:31,550 --> 00:42:29,370
the ways in which it's metabolized that

927
00:42:34,610 --> 00:42:31,560
your body makes these small organic

928
00:42:36,770 --> 00:42:34,620
Selenites which are really volatile and

929
00:42:39,950 --> 00:42:36,780
they smell really really really pungent

930
00:42:42,890 --> 00:42:39,960
so if you were subjected to selenium too

931
00:42:44,420 --> 00:42:42,900
long and your body it starts building up

932
00:42:47,330 --> 00:42:44,430
and it can't metabolize it fast enough

933
00:42:50,390 --> 00:42:47,340
then your breath absolutely stinks and

934
00:42:53,990 --> 00:42:50,400
like I'm a sulfur smell or it's like

935
00:42:57,920 --> 00:42:54,000
like a rancid garlic kind of rotting

936
00:43:01,070 --> 00:42:57,930
smell and I'm saying like I mean really

937
00:43:04,070 --> 00:43:01,080
stink like I could be in the other end

938
00:43:05,390 --> 00:43:04,080

of a room and you'd smell me and that

939

00:43:07,130 --> 00:43:05,400

was one of the things because we work a

940

00:43:09,890 --> 00:43:07,140

lot with selenium and our boss we said

941

00:43:11,720 --> 00:43:09,900

if you're you know you're a part of

942

00:43:14,630 --> 00:43:11,730

start smelling can you say something

943

00:43:15,980 --> 00:43:14,640

don't it's not being rude they could

944

00:43:18,320 --> 00:43:15,990

have either they just have really bad

945

00:43:21,140 --> 00:43:18,330

breath how selenium poisoning you know

946

00:43:24,200 --> 00:43:21,150

and um and I was like so obviously it's

947

00:43:26,390 --> 00:43:24,210

not realistic house TV isn't real but

948

00:43:28,430 --> 00:43:26,400

didn't you like did you SMS into the TV

949

00:43:31,430 --> 00:43:28,440

show and say just test his breath in

950

00:43:33,620 --> 00:43:31,440

there I tried but do you know work you

951
00:43:34,910 --> 00:43:33,630
didn't get back to me doing I was like

952
00:43:35,750 --> 00:43:34,920
well they would have smell him a mile

953
00:43:38,120 --> 00:43:35,760
away and it would have been like banging

954
00:43:40,280 --> 00:43:38,130
saline toxicity but the great thing is

955
00:43:43,550 --> 00:43:40,290
once you remove them from that from this

956
00:43:46,640 --> 00:43:43,560
from the selenium the source you you can

957
00:43:48,140 --> 00:43:46,650
recover so so if people go all its toxic

958
00:43:50,750 --> 00:43:48,150
why would you put it in anything but

959
00:43:52,610 --> 00:43:50,760
it's not really it's some you know it's

960
00:43:54,560 --> 00:43:52,620
far less toxic than then a lot of other

961
00:43:56,210 --> 00:43:54,570
drugs out there you know didn't didn't

962
00:43:58,010 --> 00:43:56,220
you mention to me before that you had

963
00:44:02,720 --> 00:43:58,020

problems without doing a PhD that you

964

00:44:04,310 --> 00:44:02,730

would stink i stink like you and I

965

00:44:07,340 --> 00:44:04,320

remember this because when we do these

966

00:44:08,720 --> 00:44:07,350

reactions you just selenium you see to

967

00:44:11,660 --> 00:44:08,730

win your the step where you're putting

968

00:44:14,570 --> 00:44:11,670

it into your molecule is the rancid stat

969

00:44:15,069 --> 00:44:14,580

and this smells like you wouldn't

970

00:44:17,199 --> 00:44:15,079

believe

971

00:44:19,569 --> 00:44:17,209

because it's so the thing with slim and

972

00:44:21,519 --> 00:44:19,579

sulfur is our body detects it in parts

973

00:44:24,219 --> 00:44:21,529

per billion or even parts per trillion

974

00:44:26,949 --> 00:44:24,229

for some solenoids and so the tiniest

975

00:44:29,109 --> 00:44:26,959

trace and you just it's overpowering and

976

00:44:31,690 --> 00:44:29,119

and they say oh there's another

977

00:44:34,299 --> 00:44:31,700

interesting fact if they say that if we

978

00:44:36,160 --> 00:44:34,309

detected everything like we detect slim

979

00:44:39,640 --> 00:44:36,170

and sulfur we would be able to smell as

980

00:44:42,729 --> 00:44:39,650

effectively as a dog Wow dogs have the

981

00:44:44,859 --> 00:44:42,739

sense of smell we have with sulfur and

982

00:44:47,229 --> 00:44:44,869

slinging so why have we evolved to smell

983

00:44:49,839 --> 00:44:47,239

sulfur not more than anything else

984

00:44:52,120 --> 00:44:49,849

doesn't make sense it just it target

985

00:44:56,589 --> 00:44:52,130

cell receptors better i don't know why

986

00:44:59,559 --> 00:44:56,599

is it cuz of eggy farts i'm just a

987

00:45:02,739 --> 00:44:59,569

hypothesis I don't know you tell me so

988

00:45:04,509 --> 00:45:02,749

but there were times when and it just

989

00:45:06,489 --> 00:45:04,519

sort of gets in your hair and your

990

00:45:08,620 --> 00:45:06,499

clothes like and there were times when i

991

00:45:10,779 --> 00:45:08,630

get i was austin my PhD in Melbourne I

992

00:45:13,509 --> 00:45:10,789

come out and I get on the tram this one

993

00:45:16,539 --> 00:45:13,519

time this bunch of school kids were on

994

00:45:24,339 --> 00:45:16,549

there and make ten million ah oh it

995

00:45:27,459 --> 00:45:24,349

stinks I don't even know that cuz I so

996

00:45:29,319 --> 00:45:27,469

dissenters like and then they're like oh

997

00:45:31,299 --> 00:45:29,329

and they started moving away and they

998

00:45:33,670 --> 00:45:31,309

thought that I I don't know they thought

999

00:45:35,380 --> 00:45:33,680

I'd be needing something really rare but

1000

00:45:38,920 --> 00:45:35,390

it was just a general kind of a bad

1001
00:45:40,809 --> 00:45:38,930
smell so I had good times and my PhD

1002
00:45:43,180 --> 00:45:40,819
well I actually just say I was back in

1003
00:45:45,130 --> 00:45:43,190
Melbourne the other week and I was doing

1004
00:45:47,380 --> 00:45:45,140
a large scale up synthesis to try and

1005
00:45:49,839 --> 00:45:47,390
make enough compound for our next stage

1006
00:45:52,089 --> 00:45:49,849
of animal trials and I'm glad this is a

1007
00:45:54,400 --> 00:45:52,099
big big scale and I took every

1008
00:45:56,650 --> 00:45:54,410
precaution possible but I do cause one

1009
00:45:58,539 --> 00:45:56,660
neighbor evacuation though just one lad

1010
00:46:00,969 --> 00:45:58,549
just the one right and the whole floor

1011
00:46:03,370 --> 00:46:00,979
like everyone had to leave they will I

1012
00:46:07,029 --> 00:46:03,380
can't it all the offices on that floor

1013
00:46:09,819 --> 00:46:07,039

it's a rendezvous the smell so I feel if

1014

00:46:12,219 --> 00:46:09,829

this ever goes into a pharmaceutical

1015

00:46:13,660 --> 00:46:12,229

company I apologize to those workers I

1016

00:46:15,719 --> 00:46:13,670

was going to say because doesn't your

1017

00:46:18,370 --> 00:46:15,729

patent talk about now putting this

1018

00:46:20,079 --> 00:46:18,380

getting involved with a big farmer to

1019

00:46:22,449 --> 00:46:20,089

make it enlarge well that's what we're

1020

00:46:23,270 --> 00:46:22,459

hoping to do right so facts not what you

1021

00:46:25,670 --> 00:46:23,280

know we're done

1022

00:46:27,310 --> 00:46:25,680

outsource it I'm send it to Russia or

1023

00:46:39,849 --> 00:46:27,320

something gonna get this for right

1024

00:46:44,120 --> 00:46:42,680

hey guys this is jay from the skeptics

1025

00:46:46,729 --> 00:46:44,130

guide to the universe er whoa whoa whoa

1026
00:46:48,140 --> 00:46:46,739
hold on whoa everybody knows I'm the

1027
00:46:50,059 --> 00:46:48,150
only reason to listen to the Freak Show

1028
00:46:55,910 --> 00:46:50,069
right I mean it was up to me the show

1029
00:46:58,370 --> 00:46:55,920
would start with this yeah boy well

1030
00:47:00,200 --> 00:46:58,380
Rebecca would hate that probably but I

1031
00:47:01,519 --> 00:47:00,210
mean I'd rock that listen to our show

1032
00:47:03,319 --> 00:47:01,529
and you can learn about cool stuff like

1033
00:47:05,059 --> 00:47:03,329
a technological singularity which is

1034
00:47:06,589 --> 00:47:05,069
someday when technology progresses so

1035
00:47:07,969 --> 00:47:06,599
fast that it would make the Industrial

1036
00:47:10,999 --> 00:47:07,979
Revolution look like a kid science

1037
00:47:32,470 --> 00:47:11,009
project anyway come check us out at WWDC

1038
00:47:38,570 --> 00:47:35,270

thank you for listening to the skeptic

1039

00:47:42,560 --> 00:47:38,580

zone the last 14 2011 now if you go to

1040

00:47:45,380 --> 00:47:42,570

ww skeptics on TV and look down the

1041

00:47:51,290 --> 00:47:45,390

left-hand side you can see our new

1042

00:47:52,880 --> 00:47:51,300

Maynard's tam 10 fund thermometer and if

1043

00:47:54,590 --> 00:47:52,890

you have a look at that at the moment

1044

00:47:57,800 --> 00:47:54,600

you'll see that we're just over the

1045

00:48:00,350 --> 00:47:57,810

halfway point of raising the necessary

1046

00:48:03,530 --> 00:48:00,360

funds to buy maynard that plane ticket

1047

00:48:06,260 --> 00:48:03,540

to tam 10 in las vegas so he can do some

1048

00:48:09,230 --> 00:48:06,270

reporting for us and a little bit more

1049

00:48:11,510 --> 00:48:09,240

money there for accommodation and sundry

1050

00:48:13,220 --> 00:48:11,520

items and bits and pieces like that but

1051
00:48:16,610 --> 00:48:13,230
thanks to the generosity of people like

1052
00:48:22,370 --> 00:48:16,620
you we have got over the halfway point

1053
00:48:24,890 --> 00:48:22,380
in our drive our donation drive for may

1054
00:48:28,160 --> 00:48:24,900
not check it out have a look and if you

1055
00:48:32,990 --> 00:48:28,170
feel so inclined please chip in can't

1056
00:48:35,210 --> 00:48:33,000
wait to get to tam 10 in july thank you

1057
00:48:39,470 --> 00:48:35,220
all for supporting the skeptic zone in

1058
00:48:45,770 --> 00:48:39,480
2011 2011 is a year i will never forget

1059
00:48:48,710 --> 00:48:45,780
because the images burned in my brain of

1060
00:48:51,760 --> 00:48:48,720
the japanese tsunami live on TV is that

1061
00:48:54,370 --> 00:48:51,770
wall of water devastated the landscape

1062
00:48:57,470 --> 00:48:54,380
you just don't forget images like that

1063
00:49:02,990 --> 00:48:57,480

let's hope that we don't see that sort

1064

00:49:05,480 --> 00:49:03,000

of thing again but for now but for 2011

1065

00:49:10,890 --> 00:49:05,490

this is Richard Saunders signing off

1066

00:49:18,279 --> 00:49:13,299

you've been listening to the skeptic

1067

00:49:22,059 --> 00:49:18,289

zone visit our website at www.skeptics

1068

00:49:39,130 --> 00:49:22,069

on TV the comments contacts and extra

1069

00:49:43,179 --> 00:49:39,140

video reports the show's over now wake

1070

00:49:45,489 --> 00:49:43,189

up wake up hello the show is over the

1071

00:49:50,559 --> 00:49:45,499

skeptic zones over wake up you fell

1072

00:49:52,209 --> 00:49:50,569

asleep wake up hello wait hello that

1073

00:49:54,189 --> 00:49:52,219

spread out that's better the show's over

1074

00:49:56,049 --> 00:49:54,199

sorry to disturb you the turn off your