

1
00:00:06,349 --> 00:00:14,119
welcome to the skeptic zone the podcast

2
00:00:09,509 --> 00:00:14,120
from Australia for science and reason

3
00:00:20,410 --> 00:00:26,710
hello and welcome to the skeptic zone

4
00:00:22,929 --> 00:00:29,019
episode number 302 for the third of

5
00:00:26,710 --> 00:00:32,590
August 2014 Richard Saunders here with

6
00:00:29,019 --> 00:00:35,710
you from Sydney Australia another mixed

7
00:00:32,590 --> 00:00:38,019
bag folks another mixed bag of grease

8
00:00:35,710 --> 00:00:38,980
coming up on this week's skeptic so

9
00:00:38,018 --> 00:00:41,500
we're going to kick off with an

10
00:00:38,979 --> 00:00:44,529
interview with a lovely lady who lives

11
00:00:41,500 --> 00:00:46,448
right up in the far north coast area of

12
00:00:44,530 --> 00:00:48,129
this state New South Wales Heidi

13
00:00:46,448 --> 00:00:52,320
Robinson is going to be chatting to us

14
00:00:48,128 --> 00:00:55,718
about the Northern Rivers vaccination

15
00:00:52,320 --> 00:00:59,259
supporters group now Heidi is living in

16
00:00:55,719 --> 00:01:02,170
the area which is a real epicenter one

17
00:00:59,259 --> 00:01:05,198
might say for the anti-vaxxers and she

18
00:01:02,170 --> 00:01:08,170
and her friends have formed this group

19
00:01:05,198 --> 00:01:10,599
and in the interview you'll hear come up

20
00:01:08,170 --> 00:01:13,570
with an interesting phrasing way to say

21
00:01:10,599 --> 00:01:17,709
it she said that she had to come out as

22
00:01:13,569 --> 00:01:19,508
a pro vaccination supporter as just

23
00:01:17,709 --> 00:01:21,038
bizarre when you think about it and if

24
00:01:19,509 --> 00:01:22,930
you're living in that area of Australia

25
00:01:21,039 --> 00:01:27,420
I think you'll be very interested indeed

26
00:01:22,930 --> 00:01:29,770
to learn more about the Northern Rivers

27
00:01:27,420 --> 00:01:31,719
vaccination supporters group following

28
00:01:29,769 --> 00:01:33,609
that ear it's evidence please with Joe

29

00:01:31,719 --> 00:01:35,799
alabaster Joe is going to be looking at

30
00:01:33,609 --> 00:01:40,239
the recent convictions into those

31
00:01:35,799 --> 00:01:46,079
ridiculous bomb detectors which worked

32
00:01:40,239 --> 00:01:46,079
on the dowsing principle fake as a

33
00:01:46,319 --> 00:01:52,179
remote as a kid hearing the term fake as

34
00:01:49,719 --> 00:01:55,118
a three pound note maybe I'm

35
00:01:52,179 --> 00:01:58,179
misremembering fake is something that's

36
00:01:55,118 --> 00:02:01,359
really fake Joe is going to fill us in

37
00:01:58,179 --> 00:02:03,609
about the latest news concerning those

38
00:02:01,359 --> 00:02:04,959
and some convictions following that it's

39
00:02:03,609 --> 00:02:08,169
a week in zones from the Royal

40
00:02:04,959 --> 00:02:10,629
Institution of Australia they keep

41
00:02:08,169 --> 00:02:12,519
churning them out week after week well

42
00:02:10,629 --> 00:02:16,199
every week is a week in science I think

43
00:02:12,520 --> 00:02:21,730

and then after that details about how

44

00:02:16,199 --> 00:02:24,369

you can win a box set of the new cosmos

45

00:02:21,729 --> 00:02:25,988

series on DVD now this is only for

46

00:02:24,370 --> 00:02:29,740

Australian listen as I'm sorry to say

47

00:02:25,989 --> 00:02:31,719

simply because of region issues about

48

00:02:29,740 --> 00:02:34,120

Australian listeners if you want to win

49

00:02:31,719 --> 00:02:38,019

your own copy of the

50

00:02:34,120 --> 00:02:39,459

cosmos the new cosmos series courtesy of

51

00:02:38,019 --> 00:02:42,099

our good friends at the National

52

00:02:39,459 --> 00:02:44,469

Geographic Channel in Australia keep

53

00:02:42,098 --> 00:02:46,359

listening for more details coming up

54

00:02:44,469 --> 00:02:48,729

later on in the show we're running a

55

00:02:46,360 --> 00:02:50,980

little bit of a competition then to

56

00:02:48,729 --> 00:02:53,500

round off the show it's a grain of salt

57

00:02:50,979 --> 00:02:58,209

with Iran say give even more interviews

58
00:02:53,500 --> 00:03:00,579
from QED the really good convention in

59
00:02:58,209 --> 00:03:04,150
Manchester earlier in the year Iran's

60
00:03:00,579 --> 00:03:06,939
going to be talking with Rhys Morgan the

61
00:03:04,150 --> 00:03:08,590
young Reese Morgan well he was young

62
00:03:06,939 --> 00:03:10,989
when he got into all this and he's still

63
00:03:08,590 --> 00:03:12,670
quite young that's to round off the show

64
00:03:10,989 --> 00:03:13,989
again a big thank you to all those

65
00:03:12,669 --> 00:03:16,358
people who have been plugging and

66
00:03:13,989 --> 00:03:18,579
watching and promoting the vaccination

67
00:03:16,359 --> 00:03:20,920
chronicles my little documentary I've

68
00:03:18,579 --> 00:03:24,909
been working very hard for the last week

69
00:03:20,919 --> 00:03:27,568
or so on the DVD of the vaccination

70
00:03:24,908 --> 00:03:30,009
chronicles which has extra features and

71
00:03:27,568 --> 00:03:31,509
what's taking out a lot of my time is

72
00:03:30,009 --> 00:03:33,669
actually putting in all the subtitles

73
00:03:31,509 --> 00:03:35,919
I've got the english subtitles all in

74
00:03:33,669 --> 00:03:39,939
the Italian ones I'm nearly finished

75
00:03:35,919 --> 00:03:44,348
I've got about oh I don't know about

76
00:03:39,939 --> 00:03:47,139
five minutes worth of timeline time if

77
00:03:44,348 --> 00:03:49,418
you get my meaning to match up all the

78
00:03:47,139 --> 00:03:51,730
Italian subtitle then I'll start work on

79
00:03:49,419 --> 00:03:54,400
the Portuguese and in the coming week I

80
00:03:51,729 --> 00:03:56,199
hope to receive the whole hopefully

81
00:03:54,400 --> 00:03:59,439
spanish and french and german and

82
00:03:56,199 --> 00:04:01,209
norwegian turkish i think something like

83
00:03:59,439 --> 00:04:04,389
that and this is all thanks to my good

84
00:04:01,209 --> 00:04:07,598
friend susan goreck who has a worldwide

85
00:04:04,389 --> 00:04:10,019
network of people ready to help ready to

86

00:04:07,598 --> 00:04:13,119
help with situations just like this

87
00:04:10,019 --> 00:04:16,840
translating which is just fantastic it's

88
00:04:13,120 --> 00:04:19,180
just a long process to match them all up

89
00:04:16,839 --> 00:04:22,959
correctly in the timeline and set them

90
00:04:19,180 --> 00:04:26,410
properly on the video all sorts of

91
00:04:22,959 --> 00:04:27,848
things like that but yeah when that DVD

92
00:04:26,410 --> 00:04:33,400
comes out I'll certainly let everybody

93
00:04:27,848 --> 00:04:37,810
know it's a it's therapeutic annoying

94
00:04:33,399 --> 00:04:40,269
actually to do all this DVD work and

95
00:04:37,810 --> 00:04:42,218
subtitling work very interesting I'll be

96
00:04:40,269 --> 00:04:45,370
back later on with some news about James

97
00:04:42,218 --> 00:04:46,490
the amazing Randi and his visit to

98
00:04:45,370 --> 00:04:49,660
Australia

99
00:04:46,490 --> 00:04:52,848
some early information there but for now

100
00:04:49,660 --> 00:04:56,300

but if now I'm gonna run downstairs i'm

101

00:04:52,848 --> 00:04:59,800

going to run out the door shake the

102

00:04:56,300 --> 00:05:03,288

coconut tree see if one falls down and

103

00:04:59,800 --> 00:05:08,150

indulge in some lovely homeopathic

104

00:05:03,288 --> 00:05:10,430

coconut water yeah well I try to work

105

00:05:08,149 --> 00:05:13,029

that one out I hope you enjoy the

106

00:05:10,430 --> 00:05:13,030

skeptic zone

107

00:05:29,209 --> 00:05:34,829

and joining me now from the beautiful

108

00:05:32,100 --> 00:05:36,900

far north coast of this state New South

109

00:05:34,829 --> 00:05:38,969

Wales up and the area they call the

110

00:05:36,899 --> 00:05:43,319

Northern Rivers it's Heidi Robertson

111

00:05:38,970 --> 00:05:45,450

hello Heidi hi waving hi you're waving

112

00:05:43,319 --> 00:05:47,099

but I can't see you because just a

113

00:05:45,449 --> 00:05:49,139

moment ago we turned off our skype

114

00:05:47,100 --> 00:05:51,780

camera's to save some bandwidth so I'll

115
00:05:49,139 --> 00:05:56,969
pretend I can see you waving you cut me

116
00:05:51,779 --> 00:05:59,129
off I'm making funny faces now he's

117
00:05:56,970 --> 00:06:00,330
helping me again on the show that's all

118
00:05:59,129 --> 00:06:02,459
right I should turn on the camera again

119
00:06:00,329 --> 00:06:05,009
because you are on the show some time

120
00:06:02,459 --> 00:06:08,849
ago now I in fact I met you at skeptic

121
00:06:05,009 --> 00:06:10,680
am here in Sydney yang very nice and you

122
00:06:08,850 --> 00:06:14,070
came up and wanted to meet me and say

123
00:06:10,680 --> 00:06:16,019
hello and i discovered that you're very

124
00:06:14,069 --> 00:06:18,629
passionate and very interested in

125
00:06:16,019 --> 00:06:20,219
promoting the cause of vaccination and

126
00:06:18,629 --> 00:06:22,860
in fact you're involved with the

127
00:06:20,220 --> 00:06:25,350
northern rivers vaccination supporters

128
00:06:22,860 --> 00:06:30,330
what can you tell me about that what can

129
00:06:25,350 --> 00:06:36,420
I tell you well we formed in May of 2013

130
00:06:30,329 --> 00:06:40,229
so we're just over a year old now so I I

131
00:06:36,420 --> 00:06:44,189
moved up to this region in northern New

132
00:06:40,230 --> 00:06:46,770
South Wales from Sydney and and my

133
00:06:44,189 --> 00:06:48,480
husband moved here from Brisbane so this

134
00:06:46,769 --> 00:06:51,089
was our first sort of taste of country

135
00:06:48,480 --> 00:06:54,230
living and and we always loved the area

136
00:06:51,089 --> 00:06:56,929
but we had no idea when we moved here

137
00:06:54,230 --> 00:06:59,879
that there was quite a strong

138
00:06:56,930 --> 00:07:03,500
anti-vaccination movement in the region

139
00:06:59,879 --> 00:07:08,689
no idea in fact I didn't even know until

140
00:07:03,500 --> 00:07:10,889
my first son Charlie who's now seven

141
00:07:08,689 --> 00:07:15,810
started preschool when he was three

142
00:07:10,889 --> 00:07:20,009
years old and I I was just chatting to

143

00:07:15,810 --> 00:07:21,990
one of the other mums and she told me

144
00:07:20,009 --> 00:07:25,709
that she thought her daughter had mumps

145
00:07:21,990 --> 00:07:28,290
over the holidays and may be quite naive

146
00:07:25,709 --> 00:07:29,979
about the whole thing um just sort of

147
00:07:28,290 --> 00:07:33,129
blurted out but

148
00:07:29,980 --> 00:07:35,890
oh you're she would have had the the MMR

149
00:07:33,129 --> 00:07:39,159
wouldn't she and mom just sort of looked

150
00:07:35,889 --> 00:07:42,209
at me and shook her head and and and i

151
00:07:39,160 --> 00:07:45,580
was i was a little bit gobsmacked no

152
00:07:42,209 --> 00:07:48,279
that was kind of the start of a sort of

153
00:07:45,579 --> 00:07:50,379
went home and I thought what you know

154
00:07:48,279 --> 00:07:53,829
what was going on there and sort of

155
00:07:50,379 --> 00:07:56,379
investigated a bit further about you

156
00:07:53,829 --> 00:07:59,620
know talked to some other people and I

157
00:07:56,379 --> 00:08:01,870

just sort of learned that there was this

158

00:07:59,620 --> 00:08:05,259

sort of strong anti-vaccination movement

159

00:08:01,870 --> 00:08:08,680

here and I'd never come across anything

160

00:08:05,259 --> 00:08:13,560

like it before I just had never never

161

00:08:08,680 --> 00:08:17,439

occurred to me that that this sort of

162

00:08:13,560 --> 00:08:21,009

thinking was so prevalent and especially

163

00:08:17,439 --> 00:08:22,180

in this area so anyway it eventually led

164

00:08:21,009 --> 00:08:24,399

me to join the Northern Rivers

165

00:08:22,180 --> 00:08:26,910

vaccination supporters group and we're

166

00:08:24,399 --> 00:08:32,228

just a group of community members

167

00:08:26,910 --> 00:08:34,269

grassroots no funding just a common

168

00:08:32,229 --> 00:08:37,540

common concern about the low vaccination

169

00:08:34,269 --> 00:08:40,449

rates in our region and you know as you

170

00:08:37,539 --> 00:08:44,980

know Mullen Bimby that's in this region

171

00:08:40,450 --> 00:08:48,790

has the dubious honor of having the

172
00:08:44,980 --> 00:08:53,649
lowest vaccination rates in the whole

173
00:08:48,789 --> 00:08:56,949
country so the kids aged up to five

174
00:08:53,649 --> 00:08:58,919
years of age I think the vaccination

175
00:08:56,950 --> 00:09:04,120
rates are about forty eight percent

176
00:08:58,919 --> 00:09:06,969
which is that's awful well it's all it's

177
00:09:04,120 --> 00:09:09,909
awful and it's frightening considering

178
00:09:06,970 --> 00:09:16,240
that a lot of the vaccine preventable

179
00:09:09,909 --> 00:09:18,669
diseases need a herd immunity of you

180
00:09:16,240 --> 00:09:23,649
know around about ninety to ninety-five

181
00:09:18,669 --> 00:09:25,839
percent they do an active it's

182
00:09:23,649 --> 00:09:27,519
interesting because that area you talk

183
00:09:25,840 --> 00:09:30,149
of the far north coast of New South

184
00:09:27,519 --> 00:09:32,470
Wales that's very close in fact it

185
00:09:30,149 --> 00:09:35,500
bangalow is part of that area and that's

186
00:09:32,470 --> 00:09:37,570
where the Australian vaccination network

187
00:09:35,500 --> 00:09:41,710
now the Australian vaccination skeptics

188
00:09:37,570 --> 00:09:43,570
network is based yes yep and um yeah I

189
00:09:41,710 --> 00:09:47,500
had no idea about that when I

190
00:09:43,570 --> 00:09:50,590
it's moved here but I'm sure do now so

191
00:09:47,500 --> 00:09:56,080
that I guess the purpose of our group is

192
00:09:50,590 --> 00:09:58,930
too well primarily to to give to give

193
00:09:56,080 --> 00:10:01,240
people their voices back it's it really

194
00:09:58,929 --> 00:10:04,989
dumbfounded me when I moved to this area

195
00:10:01,240 --> 00:10:07,450
that it's it's it's kind of a taboo

196
00:10:04,990 --> 00:10:11,320
subject to bring up vaccinations people

197
00:10:07,450 --> 00:10:12,970
just don't bring it up and and it's

198
00:10:11,320 --> 00:10:19,660
because they're frightened it's because

199
00:10:12,970 --> 00:10:22,210
they're frightened to do so so the the

200

00:10:19,659 --> 00:10:27,429
the anti-vaccination crowd that are

201
00:10:22,210 --> 00:10:29,379
around here are very loud and they're

202
00:10:27,429 --> 00:10:32,079
very vocal and you find that even though

203
00:10:29,379 --> 00:10:34,870
the majority of people here still do

204
00:10:32,080 --> 00:10:39,009
vaccinate only just in mulund bimbi not

205
00:10:34,870 --> 00:10:41,049
me just majority but they don't want to

206
00:10:39,009 --> 00:10:42,639
speak up because they don't it's a small

207
00:10:41,049 --> 00:10:44,319
community it's a different way of living

208
00:10:42,639 --> 00:10:47,049
in the country everyone knows everyone

209
00:10:44,320 --> 00:10:49,060
else and you don't want to be ostracized

210
00:10:47,049 --> 00:10:51,219
from that small community and so

211
00:10:49,059 --> 00:10:54,099
sometimes it's easier just to stay quiet

212
00:10:51,220 --> 00:10:57,399
but we've got to change we've got to

213
00:10:54,100 --> 00:10:59,050
change that because and I are thought to

214
00:10:57,399 --> 00:11:01,269

myself and it was really scary for me

215

00:10:59,049 --> 00:11:03,879
coming out as a probe axor you know

216

00:11:01,269 --> 00:11:06,279
that's that's what I sort of label it as

217

00:11:03,879 --> 00:11:09,580
it looks like it's coming out okay um

218

00:11:06,279 --> 00:11:12,759
and it was really scary and and then I

219

00:11:09,580 --> 00:11:14,590
thought no hang on why why should I feel

220

00:11:12,759 --> 00:11:17,710
this way it should be a normal thing it

221

00:11:14,590 --> 00:11:21,040
should be the shift has to change from

222

00:11:17,710 --> 00:11:23,110
it being a social norm to not vaccinate

223

00:11:21,039 --> 00:11:24,519
we've got to change this and if I want

224

00:11:23,110 --> 00:11:28,180
to raise my family in this beautiful

225

00:11:24,519 --> 00:11:32,049
region and I do I love it here I can't

226

00:11:28,179 --> 00:11:33,339
just bitch and whinge to to my family

227

00:11:32,049 --> 00:11:35,799
and friends about it I've got to get out

228

00:11:33,340 --> 00:11:37,690
and do something so we want to give the

229

00:11:35,799 --> 00:11:39,609
community the probe axes in our

230

00:11:37,690 --> 00:11:42,430
community of voice and say look it's

231

00:11:39,610 --> 00:11:45,100
okay to say to get out there and say I

232

00:11:42,429 --> 00:11:47,559
vaccinate and it's okay to vaccinate and

233

00:11:45,100 --> 00:11:50,170
we want it we want to correct all the

234

00:11:47,559 --> 00:11:53,199
misinformation that the anti-vaccination

235

00:11:50,169 --> 00:11:55,819
movement has put out there you know some

236

00:11:53,200 --> 00:11:59,780
of its just ludicrous as you know

237

00:11:55,820 --> 00:12:01,640
and and and we just we don't want to

238

00:11:59,779 --> 00:12:03,379
cause we don't want to be

239

00:12:01,639 --> 00:12:06,830
confrontational we don't want to start a

240

00:12:03,379 --> 00:12:09,259
debate we're not interested in creating

241

00:12:06,830 --> 00:12:11,960
a conversation with you know with the

242

00:12:09,259 --> 00:12:14,539
staunchly anti-vaccination crowd because

243
00:12:11,960 --> 00:12:17,120
we know we know that we'll never sway

244
00:12:14,539 --> 00:12:20,360
them what we want to do is engage with

245
00:12:17,120 --> 00:12:21,950
the people who are still unsure sitting

246
00:12:20,360 --> 00:12:23,750
on the fence they've heard this they've

247
00:12:21,950 --> 00:12:26,360
heard that and then just not sure which

248
00:12:23,750 --> 00:12:28,970
way to go they're the people that we

249
00:12:26,360 --> 00:12:32,090
want to engage with and start a

250
00:12:28,970 --> 00:12:33,769
conversation with yeah absolutely right

251
00:12:32,090 --> 00:12:37,250
absolutely right and it's also

252
00:12:33,769 --> 00:12:39,610
interesting to note that that area up

253
00:12:37,250 --> 00:12:43,429
there near the top of New South Wales

254
00:12:39,610 --> 00:12:46,610
it's quite famous since the I guess the

255
00:12:43,429 --> 00:12:48,439
late 60s as being a sort of the hippie

256
00:12:46,610 --> 00:12:50,750
capital of Australia the turn of the

257

00:12:48,440 --> 00:12:52,580
alternative lifestyle capital of

258
00:12:50,750 --> 00:12:54,289
Australia I haven't been up there for

259
00:12:52,580 --> 00:12:57,560
many years myself but i imagine that

260
00:12:54,289 --> 00:12:59,870
sort of feeling is still prevalent oh it

261
00:12:57,559 --> 00:13:01,819
is and you know what it's great you know

262
00:12:59,870 --> 00:13:05,269
in a lot of ways it's great you know

263
00:13:01,820 --> 00:13:09,320
it's a diversity and the talent and you

264
00:13:05,269 --> 00:13:11,379
know the artists and the musicians the

265
00:13:09,320 --> 00:13:13,129
talent up here is great and I i love

266
00:13:11,379 --> 00:13:14,419
diversification you know what a boring

267
00:13:13,129 --> 00:13:20,149
world it would be if we were all the

268
00:13:14,419 --> 00:13:25,250
same but the yeah it's a fine line

269
00:13:20,149 --> 00:13:32,809
because at the same time the the beliefs

270
00:13:25,250 --> 00:13:36,320
in all things cam or scam if you want to

271
00:13:32,809 --> 00:13:37,429

be young politically incorrect you know

272

00:13:36,320 --> 00:13:41,650

but complementary and alternative

273

00:13:37,429 --> 00:13:47,359

medicine yeah is rampant up here and and

274

00:13:41,649 --> 00:13:51,559

to a large extent I think I try and have

275

00:13:47,360 --> 00:13:57,320

a tolerance to it but where my tolerance

276

00:13:51,559 --> 00:13:59,659

ends is is when people are put at risk

277

00:13:57,320 --> 00:14:03,560

especially babies and children that are

278

00:13:59,659 --> 00:14:05,240

relying on adults they're pair their you

279

00:14:03,559 --> 00:14:08,119

know their parents or their Guardians to

280

00:14:05,240 --> 00:14:11,629

make the best decisions for them

281

00:14:08,120 --> 00:14:15,560

it I just can't I just I just can't bear

282

00:14:11,629 --> 00:14:18,169

that you know so if people are for

283

00:14:15,559 --> 00:14:19,399

instance using homeopathy and they're

284

00:14:18,169 --> 00:14:22,370

thinking that that is a viable

285

00:14:19,399 --> 00:14:25,850

alternative to vaccination I'm going to

286
00:14:22,370 --> 00:14:28,070
speak out against it if I said you know

287
00:14:25,850 --> 00:14:32,620
if people aren't aware that amber

288
00:14:28,070 --> 00:14:36,110
teething necklaces are you know that

289
00:14:32,620 --> 00:14:38,120
that they're next to useless will they

290
00:14:36,110 --> 00:14:42,560
are useless they're not even next to you

291
00:14:38,120 --> 00:14:46,429
just not only do they not do what they

292
00:14:42,559 --> 00:14:48,049
claim to do as far as teething goes but

293
00:14:46,429 --> 00:14:51,649
they're also a strangulation and choking

294
00:14:48,049 --> 00:14:54,620
hazard and that makes me angry but the

295
00:14:51,649 --> 00:14:56,088
vaccination thing is really my my focus

296
00:14:54,620 --> 00:14:58,429
and trying to correct the misinformation

297
00:14:56,089 --> 00:15:00,800
around that but as far as that like I

298
00:14:58,429 --> 00:15:02,659
was just at a local fair today and there

299
00:15:00,799 --> 00:15:05,299
was there was music and there was

300
00:15:02,659 --> 00:15:08,269
artwork and and the sense of community

301
00:15:05,299 --> 00:15:13,729
is absolutely fantastic if we can just

302
00:15:08,269 --> 00:15:16,100
turn around this this trend is part of

303
00:15:13,730 --> 00:15:20,180
the ideology up here that vaccination is

304
00:15:16,100 --> 00:15:23,120
a is an evil is an evil thing you know

305
00:15:20,179 --> 00:15:25,879
and and why can't we do that there's no

306
00:15:23,120 --> 00:15:27,950
reason why we can't do that I think I

307
00:15:25,879 --> 00:15:30,019
think I think you're absolutely right

308
00:15:27,950 --> 00:15:32,270
and I've been noticing on your group's

309
00:15:30,019 --> 00:15:35,620
page which is the facebook page northern

310
00:15:32,269 --> 00:15:38,569
rivers vaccination supporters there's a

311
00:15:35,620 --> 00:15:41,060
campaign or a push that you're doing to

312
00:15:38,570 --> 00:15:44,209
put your fliers and leaflets up in the

313
00:15:41,059 --> 00:15:46,250
hospitals in other areas yes and we have

314

00:15:44,208 --> 00:15:48,289
we've actually um we've been quite

315
00:15:46,250 --> 00:15:50,990
successful with that Medicare local

316
00:15:48,289 --> 00:15:53,809
North Coast Medicare local up here has

317
00:15:50,990 --> 00:15:56,389
heard about us and they have they've

318
00:15:53,809 --> 00:15:59,208
kindly offered to we had some Flyers

319
00:15:56,389 --> 00:16:02,208
made up which we fund it ourselves we

320
00:15:59,208 --> 00:16:05,059
where we are not farmer shields or

321
00:16:02,208 --> 00:16:07,039
government chills we actually we passed

322
00:16:05,059 --> 00:16:09,319
the virtual head around our facebook

323
00:16:07,039 --> 00:16:11,509
group we've got the funds to make a few

324
00:16:09,320 --> 00:16:14,300
fliers up you mean you haven't got your

325
00:16:11,509 --> 00:16:18,019
check yet from Big Pharma i'm sure i'm

326
00:16:14,299 --> 00:16:20,359
still waiting I'm waiting um maybe one

327
00:16:18,019 --> 00:16:23,449
day okay drive around and that go

328
00:16:20,360 --> 00:16:26,060

old rolls-royce he better not quite yet

329

00:16:23,450 --> 00:16:31,070

anyway so they they've kindly offered to

330

00:16:26,059 --> 00:16:34,578

get our flyers out to 70 GP practices

331

00:16:31,070 --> 00:16:38,028

Wow from grafton all the way up to tweed

332

00:16:34,578 --> 00:16:41,028

heads so we made some posters up as well

333

00:16:38,028 --> 00:16:45,730

so now the GPS are all aware of our

334

00:16:41,028 --> 00:16:49,419

group and they can they can recommend

335

00:16:45,730 --> 00:16:53,659

parents or hesitant parents to us and

336

00:16:49,419 --> 00:16:56,809

they can be assured that we will give

337

00:16:53,659 --> 00:16:58,969

them credible information whilst will

338

00:16:56,809 --> 00:17:04,639

give them the credible websites to go to

339

00:16:58,970 --> 00:17:07,308

and and we're there as a support for

340

00:17:04,640 --> 00:17:09,770

them and to make sure that they know

341

00:17:07,308 --> 00:17:12,709

that they're not they're not alone and

342

00:17:09,769 --> 00:17:15,828

that there is a great deal of support

343
00:17:12,709 --> 00:17:17,870
out there for them it's fantastic i like

344
00:17:15,828 --> 00:17:20,418
the flyers to they look great the logos

345
00:17:17,869 --> 00:17:22,729
really nice it's like a family and

346
00:17:20,419 --> 00:17:24,829
enclosed in these these two big hands to

347
00:17:22,730 --> 00:17:27,980
symbolize the protection of vaccination

348
00:17:24,828 --> 00:17:30,289
your fly is available online did you

349
00:17:27,980 --> 00:17:34,089
notice the dog in there I notice the dog

350
00:17:30,289 --> 00:17:38,089
yes to vaccinate your pets as well yes

351
00:17:34,089 --> 00:17:39,918
the flyers well if anyone is interested

352
00:17:38,089 --> 00:17:44,779
and actually that's a good idea we

353
00:17:39,919 --> 00:17:46,759
should we should put up but I don't know

354
00:17:44,779 --> 00:17:51,440
what you call it a printable version on

355
00:17:46,759 --> 00:17:55,609
suppose of the flyer PDF a PDF yeah yeah

356
00:17:51,440 --> 00:17:57,350
yeah we should put up that bat for

357
00:17:55,609 --> 00:17:59,599
people on our website so that they can

358
00:17:57,349 --> 00:18:01,909
download it print it yeah I would

359
00:17:59,599 --> 00:18:03,980
recommend it I think that would be an

360
00:18:01,910 --> 00:18:06,110
excellent thing for you to do then

361
00:18:03,980 --> 00:18:07,490
people don't have to to wait for it if

362
00:18:06,109 --> 00:18:09,769
they want to put it in their local

363
00:18:07,490 --> 00:18:13,730
doctors or their local homeopaths and

364
00:18:09,769 --> 00:18:18,589
they can go right in yes yeah well

365
00:18:13,730 --> 00:18:20,929
recently members of our group have have

366
00:18:18,589 --> 00:18:23,509
been putting the Flyers up on various

367
00:18:20,929 --> 00:18:26,000
notice boards around the region I've

368
00:18:23,509 --> 00:18:28,279
checked a couple of places lately that I

369
00:18:26,000 --> 00:18:32,119
put flyers up and they've been taken

370
00:18:28,279 --> 00:18:33,359
down but I've put them back back up

371

00:18:32,119 --> 00:18:38,159
again and

372
00:18:33,359 --> 00:18:39,899
will soldier on with it yes oh yeah it

373
00:18:38,160 --> 00:18:42,600
makes good and look with in the past

374
00:18:39,900 --> 00:18:45,540
year considering the group's only a year

375
00:18:42,599 --> 00:18:48,599
old now we've actually we've achieved

376
00:18:45,539 --> 00:18:51,720
quite a lot you've probably heard that

377
00:18:48,599 --> 00:18:54,719
Queensland has recently announced that

378
00:18:51,720 --> 00:18:57,990
they are introducing a free whooping

379
00:18:54,720 --> 00:19:01,769
cough vaccine more pregnant women in

380
00:18:57,990 --> 00:19:04,620
their third trimester so we we've

381
00:19:01,769 --> 00:19:07,410
recently written to the to Jillian

382
00:19:04,619 --> 00:19:10,199
Skinner a new south wales health about

383
00:19:07,410 --> 00:19:12,808
that and saying look come on let's do

384
00:19:10,200 --> 00:19:14,130
this for New South Wales as well so

385
00:19:12,808 --> 00:19:17,869

we're writing a lot of letters all the

386

00:19:14,130 --> 00:19:21,720

time you know we've had interviews with

387

00:19:17,869 --> 00:19:29,000

ABC north coast radio but we've appeared

388

00:19:21,720 --> 00:19:32,429

in the the courier-mail the Telegraph

389

00:19:29,000 --> 00:19:34,558

their campaigns no job no play keep our

390

00:19:32,429 --> 00:19:36,840

kids safe they both had vaccination

391

00:19:34,558 --> 00:19:39,359

campaigns we've had stories our members

392

00:19:36,839 --> 00:19:41,039

have been in both those newspapers one

393

00:19:39,359 --> 00:19:43,379

of our members was recently on the 730

394

00:19:41,039 --> 00:19:46,769

report in Queensland so we're getting

395

00:19:43,380 --> 00:19:49,230

out there and the really another great

396

00:19:46,769 --> 00:19:52,769

thing is I'm Alison one of our admins in

397

00:19:49,230 --> 00:19:54,390

our facebook group got to do a poster

398

00:19:52,769 --> 00:19:57,480

presentation at the National

399

00:19:54,390 --> 00:20:00,480

Immunization conference in Melbourne a

400
00:19:57,480 --> 00:20:02,548
month or two ago and that poster

401
00:20:00,480 --> 00:20:05,160
presentation she collaborated with a few

402
00:20:02,548 --> 00:20:07,950
other people to to do that up including

403
00:20:05,160 --> 00:20:11,250
dr. rachey who's been a great supporter

404
00:20:07,950 --> 00:20:14,519
like you have about group absolutely so

405
00:20:11,250 --> 00:20:18,000
we got to Alison got to liaise with a

406
00:20:14,519 --> 00:20:23,069
lot of the bigwigs in the farmer ship

407
00:20:18,000 --> 00:20:24,929
industry yeah but just to get out just

408
00:20:23,069 --> 00:20:27,689
just to get the message out that we're

409
00:20:24,929 --> 00:20:29,910
out there and we're around and yeah so

410
00:20:27,690 --> 00:20:31,798
it's all going really well so far that's

411
00:20:29,910 --> 00:20:35,100
I'm delighted to hear it i'm delighted

412
00:20:31,798 --> 00:20:38,490
to hear is the facebook group the the

413
00:20:35,099 --> 00:20:41,399
portal is that where people should go ok

414
00:20:38,490 --> 00:20:45,179
so yes we've got a we've got a facebook

415
00:20:41,400 --> 00:20:46,500
page if they just look for Northern

416
00:20:45,179 --> 00:20:48,870
Rivers

417
00:20:46,500 --> 00:20:51,930
estimation supporters on facebook they

418
00:20:48,869 --> 00:20:54,750
can they can like that page and we've

419
00:20:51,930 --> 00:20:57,930
also got a website now the website one

420
00:20:54,750 --> 00:21:00,329
of our other gorgeous members whose

421
00:20:57,930 --> 00:21:04,080
whose very good with this sort of stuff

422
00:21:00,329 --> 00:21:09,230
that we're not has often to to revamp

423
00:21:04,079 --> 00:21:13,829
our website which is which is now at

424
00:21:09,230 --> 00:21:15,450
nrvs dot info so Northern Rivers

425
00:21:13,829 --> 00:21:22,649
vaccination supporters but it's just

426
00:21:15,450 --> 00:21:26,759
nrvs dot info and as of Monday is coming

427
00:21:22,650 --> 00:21:29,009
monday the old website address which was

428

00:21:26,759 --> 00:21:33,329
Northern Rivers vaccination supporters

429
00:21:29,009 --> 00:21:37,289
org which was a handful mouthful will

430
00:21:33,329 --> 00:21:40,079
now point to that new that new site so

431
00:21:37,289 --> 00:21:43,230
it's a new revamped website it's got

432
00:21:40,079 --> 00:21:45,869
some stories on their of our admin

433
00:21:43,230 --> 00:21:47,339
members and why we joined and our our

434
00:21:45,869 --> 00:21:51,479
brushes with vaccine-preventable

435
00:21:47,339 --> 00:21:55,230
diseases it's got lots and lots of links

436
00:21:51,480 --> 00:21:57,289
reputable links and all about the

437
00:21:55,230 --> 00:22:00,960
different vaccine preventable diseases

438
00:21:57,289 --> 00:22:03,299
so it's yeah urge everyone to go and

439
00:22:00,960 --> 00:22:07,410
have a look at it and even recommend it

440
00:22:03,299 --> 00:22:09,829
to to your friends and family if you if

441
00:22:07,410 --> 00:22:12,840
if you have friends and family that are

442
00:22:09,829 --> 00:22:15,929

that are hesitant or who are interested

443

00:22:12,839 --> 00:22:18,329

in the issue of vaccination absolutely

444

00:22:15,930 --> 00:22:20,640

so folks if you are up in the north

445

00:22:18,329 --> 00:22:22,379

coast and far northern coast of New

446

00:22:20,640 --> 00:22:24,420

South Wales and Northern Rivers or in

447

00:22:22,380 --> 00:22:31,080

southern Queensland the website the

448

00:22:24,420 --> 00:22:34,830

visitors n r vs info in RVs dot info not

449

00:22:31,079 --> 00:22:36,839

too hard to remember that one where you

450

00:22:34,829 --> 00:22:39,990

can find out about the group its actions

451

00:22:36,839 --> 00:22:42,089

and more about the vaccination some good

452

00:22:39,990 --> 00:22:44,579

advice Heidi it's wonderful to have

453

00:22:42,089 --> 00:22:49,459

people up there in the lion's den so

454

00:22:44,579 --> 00:22:53,069

discuss yeah well someone had to do it

455

00:22:49,460 --> 00:22:55,590

now it's a beautiful area and we want to

456

00:22:53,069 --> 00:22:59,439

live here and we want to change change

457
00:22:55,589 --> 00:23:02,730
the way it is up here so yet

458
00:22:59,440 --> 00:23:06,308
is coming like our facebook page and and

459
00:23:02,730 --> 00:23:08,169
tell everyone about us and everyone's

460
00:23:06,308 --> 00:23:10,388
more than welcome to we've also got a

461
00:23:08,169 --> 00:23:12,038
contact form on our website page so if

462
00:23:10,388 --> 00:23:14,408
you've got any questions we're more than

463
00:23:12,038 --> 00:23:16,720
happy to to answer those questions as

464
00:23:14,409 --> 00:23:18,370
well fantastic we're really nice to

465
00:23:16,720 --> 00:23:20,528
catch up with you Heidi I hope we can

466
00:23:18,369 --> 00:23:22,359
bump into each other again at a

467
00:23:20,528 --> 00:23:24,329
convention or a skeptic camp or

468
00:23:22,359 --> 00:23:27,278
something in the not-too-distant future

469
00:23:24,329 --> 00:23:29,470
but for now a big thank you for all your

470
00:23:27,278 --> 00:23:32,048
work and the group up there Heidi

471
00:23:29,470 --> 00:23:35,250
Robertson thank you very much thanks

472
00:23:32,048 --> 00:23:35,250
Richard bye bye

473
00:23:45,039 --> 00:23:50,480
but guests yours is an award-winning

474
00:23:47,480 --> 00:23:53,360
weekly science show in French hosted by

475
00:23:50,480 --> 00:23:55,640
a bunch of crazy enthusiasts we are

476
00:23:53,359 --> 00:23:57,979
convinced that the greatest ideas in

477
00:23:55,640 --> 00:24:00,230
science are quite easy to grasp as long

478
00:23:57,980 --> 00:24:02,779
as they're presented with passion using

479
00:24:00,230 --> 00:24:04,940
a vocabulary common to all curious minds

480
00:24:02,779 --> 00:24:07,730
whatever their academic background if

481
00:24:04,940 --> 00:24:10,759
any you don't understand French yet I

482
00:24:07,730 --> 00:24:12,650
it's never too late all our stories have

483
00:24:10,759 --> 00:24:14,390
a written transcript on the website and

484
00:24:12,650 --> 00:24:16,550
people from all around the world are

485

00:24:14,390 --> 00:24:19,640
using our content to learn Maria's

486
00:24:16,549 --> 00:24:22,099
language our topics range from 0 to

487
00:24:19,640 --> 00:24:24,440
infinity from evolution to artificial

488
00:24:22,099 --> 00:24:27,079
life from electromagnetism to the

489
00:24:24,440 --> 00:24:30,289
science of introverts we just love

490
00:24:27,079 --> 00:24:33,109
mathematics signs critical thinking so

491
00:24:30,289 --> 00:24:34,789
do you want to join you can subscribe to

492
00:24:33,109 --> 00:24:37,490
the podcast for free from our website

493
00:24:34,789 --> 00:24:40,129
podcast science starts FM that's in one

494
00:24:37,490 --> 00:24:42,680
word you also find us on itunes and

495
00:24:40,130 --> 00:24:44,360
soundcloud see you soon hopefully at

496
00:24:42,680 --> 00:24:47,080
lulu's like a year at the auto shop

497
00:24:44,359 --> 00:24:47,079
against yours

498
00:24:58,329 --> 00:25:06,369
what we want is some more evidence

499
00:25:01,579 --> 00:25:06,369

please is Joe alabaster

500

00:25:11,119 --> 00:25:20,269

hello this is Joe alabaster in news from

501

00:25:18,259 --> 00:25:22,460

the United Kingdom this week a couple

502

00:25:20,269 --> 00:25:26,000

who made fake bomb detectors have been

503

00:25:22,460 --> 00:25:28,220

convicted of fraud Sam and Joan tree a

504

00:25:26,000 --> 00:25:31,430

couple in their 60s from bedfordshire

505

00:25:28,220 --> 00:25:33,440

constructed each alpha 6 device from a

506

00:25:31,430 --> 00:25:36,308

plastic handle with a slot for a card

507

00:25:33,440 --> 00:25:39,799

and a metal aerial in their garden shed

508

00:25:36,308 --> 00:25:42,109

these components sourced from China only

509

00:25:39,799 --> 00:25:44,569

cost around five pounds were set but the

510

00:25:42,109 --> 00:25:47,500

tree sold the assembled devices for up

511

00:25:44,569 --> 00:25:50,569

to over two thousand dollars Australian

512

00:25:47,500 --> 00:25:52,670

the trees and their distributor Simon

513

00:25:50,569 --> 00:25:54,349

sherrard claimed that the alpha six

514
00:25:52,670 --> 00:25:56,539
molecular detector could detect

515
00:25:54,349 --> 00:25:59,389
explosives and drugs in quantities as

516
00:25:56,539 --> 00:26:02,178
Tiny as fifteen billionths of a gram at

517
00:25:59,390 --> 00:26:04,670
a range of 300 meters using magnetic

518
00:26:02,179 --> 00:26:06,460
molecular resonance and powered by an

519
00:26:04,670 --> 00:26:09,890
induced current from static electricity

520
00:26:06,460 --> 00:26:11,840
generated by the users body the trees

521
00:26:09,890 --> 00:26:13,940
also claimed that the alpha 6 could

522
00:26:11,839 --> 00:26:16,129
detect missing persons and gained much

523
00:26:13,940 --> 00:26:19,090
publicity when they use the devices to

524
00:26:16,130 --> 00:26:22,130
look for missing child madeleine mccann

525
00:26:19,089 --> 00:26:24,439
the promotional literature compares the

526
00:26:22,130 --> 00:26:27,230
alpha six devices operating mechanism to

527
00:26:24,440 --> 00:26:29,600
that of an MRI machine a large medical

528
00:26:27,230 --> 00:26:31,970
appliance with sizable magnets high

529
00:26:29,599 --> 00:26:34,428
energy requirements and short operating

530
00:26:31,970 --> 00:26:36,980
time and claims that the alpha six a

531
00:26:34,429 --> 00:26:38,840
tiny little handheld plastic box powered

532
00:26:36,980 --> 00:26:40,789
only by the currents emanating from the

533
00:26:38,839 --> 00:26:43,519
human body is able to recognize

534
00:26:40,789 --> 00:26:46,700
molecules of substances at a 300 meter

535
00:26:43,519 --> 00:26:48,769
distance one might assume that the alpha

536
00:26:46,700 --> 00:26:50,558
6 contained some complicated inner

537
00:26:48,769 --> 00:26:52,879
workings to accomplish this feat

538
00:26:50,558 --> 00:26:55,339
promotional material states that the

539
00:26:52,880 --> 00:26:58,730
handle contains an inductor a conductor

540
00:26:55,339 --> 00:27:00,589
and an oscillator quote the oscillator

541
00:26:58,730 --> 00:27:02,720
within the alpha 6 is programmed to

542

00:27:00,589 --> 00:27:06,099
oscillate at the same frequency as that

543
00:27:02,720 --> 00:27:08,210
of the substance to be located and quote

544
00:27:06,099 --> 00:27:10,609
strangely enough when the trees were

545
00:27:08,210 --> 00:27:12,740
investigated the majority of the plastic

546
00:27:10,609 --> 00:27:15,649
handles of assembled alpha six devices

547
00:27:12,740 --> 00:27:19,039
were found to be empty save a few which

548
00:27:15,650 --> 00:27:20,810
contained torn up scraps of paper the

549
00:27:19,039 --> 00:27:23,720
alpha 6 is set to detect specific

550
00:27:20,809 --> 00:27:24,319
substances by inserting a designated

551
00:27:23,720 --> 00:27:26,960
card in

552
00:27:24,319 --> 00:27:28,939
the plastic handle of the device these

553
00:27:26,960 --> 00:27:31,028
cards have apparently had the signature

554
00:27:28,940 --> 00:27:33,649
of a substance transferred onto them

555
00:27:31,028 --> 00:27:36,288
then the user holds the device by the

556
00:27:33,648 --> 00:27:38,359

plastic handle in front of them while

557

00:27:36,288 --> 00:27:41,388

the freely moving hinged metal aerial

558

00:27:38,359 --> 00:27:43,219

detects substances swinging left to

559

00:27:41,388 --> 00:27:46,099

right revealing the direction in which

560

00:27:43,220 --> 00:27:48,200

the substance is to be found the user

561

00:27:46,099 --> 00:27:52,219

walks and follows the swinging antenna

562

00:27:48,200 --> 00:27:54,230

is starting to sound familiar yet the

563

00:27:52,220 --> 00:27:56,778

alpha 6 is working on the same

564

00:27:54,230 --> 00:27:58,970

principles as a dowsing rod the user

565

00:27:56,778 --> 00:28:01,250

experiences sensory cues from the

566

00:27:58,970 --> 00:28:03,259

swinging metal or Rob caused by slight

567

00:28:01,250 --> 00:28:05,058

movements made unconsciously by the user

568

00:28:03,259 --> 00:28:07,490

themselves or their surroundings and

569

00:28:05,058 --> 00:28:10,519

perceives this as the rod moving of its

570

00:28:07,490 --> 00:28:12,679

own accord between the expectations of

571
00:28:10,519 --> 00:28:15,138
the user perhaps influenced by the high

572
00:28:12,679 --> 00:28:17,509
financial and/or emotional investment in

573
00:28:15,138 --> 00:28:19,758
the device combined with their trust in

574
00:28:17,509 --> 00:28:22,429
the vendor and their claims add a touch

575
00:28:19,759 --> 00:28:24,860
of confirmation bias people can perceive

576
00:28:22,429 --> 00:28:26,929
that dowsing rods work despite there

577
00:28:24,859 --> 00:28:29,359
being neither a proven mechanism via

578
00:28:26,929 --> 00:28:32,629
which this is possible nor a greater hit

579
00:28:29,359 --> 00:28:34,240
rate than that of chance there is a

580
00:28:32,628 --> 00:28:36,288
history of military and police forces

581
00:28:34,240 --> 00:28:39,470
investing in and applying dowsing

582
00:28:36,288 --> 00:28:41,450
devices during the Vietnam War some US

583
00:28:39,470 --> 00:28:44,870
Marines were using dowsing to attempt to

584
00:28:41,450 --> 00:28:46,278
locate weapons and tunnels in 1986 the

585
00:28:44,869 --> 00:28:48,439
Norwegian army attempted to locate

586
00:28:46,278 --> 00:28:52,159
soldiers buried in an avalanche using

587
00:28:48,440 --> 00:28:53,870
dowsing and in 2007 the government of

588
00:28:52,159 --> 00:28:56,419
thailand's office of the Narcotics

589
00:28:53,869 --> 00:28:59,329
Control Board bought 15 alpha six

590
00:28:56,419 --> 00:29:02,028
devices reportedly at over 13,000

591
00:28:59,329 --> 00:29:06,829
dollars apiece and thailand's interior

592
00:29:02,028 --> 00:29:08,659
ministry bought 479 alpha six devices at

593
00:29:06,829 --> 00:29:10,908
twenty-four thousand dollars apiece

594
00:29:08,659 --> 00:29:13,580
that's almost one and a half million

595
00:29:10,909 --> 00:29:16,450
dollars all up which they've implemented

596
00:29:13,579 --> 00:29:18,648
to combat drug trafficking and smuggling

597
00:29:16,450 --> 00:29:20,778
that's a lot of money for a small

598
00:29:18,648 --> 00:29:22,489
plastic box and aerial with no better

599

00:29:20,778 --> 00:29:24,589
detection rate than that of random

600
00:29:22,490 --> 00:29:26,720
chance and a false sense of security

601
00:29:24,589 --> 00:29:29,869
that narcotics were not being smuggled

602
00:29:26,720 --> 00:29:32,240
through their country that false sense

603
00:29:29,869 --> 00:29:33,739
of security is perhaps a more dire for

604
00:29:32,240 --> 00:29:35,509
those who purchased the alpha six

605
00:29:33,740 --> 00:29:38,240
devices for their other purported

606
00:29:35,509 --> 00:29:40,308
purpose detection of explosives

607
00:29:38,240 --> 00:29:42,620
when checkpoint operators in war-torn

608
00:29:40,308 --> 00:29:44,539
areas are relying on a scam device to

609
00:29:42,619 --> 00:29:48,289
detect car bombs on the light the

610
00:29:44,539 --> 00:29:50,269
results can and have been deadly the

611
00:29:48,289 --> 00:29:52,119
alpha 6 is not the only bogus bomb

612
00:29:50,269 --> 00:29:54,920
detector that's been around recently

613
00:29:52,119 --> 00:29:57,469

similar devices result to Iraq by

614

00:29:54,920 --> 00:29:59,630

British con man James McCormick who was

615

00:29:57,470 --> 00:30:02,420

sentenced to 10 years prison on three

616

00:29:59,630 --> 00:30:05,990

counts of fraud last year one of

617

00:30:02,420 --> 00:30:07,820

mccormack's devices the ad a101 the

618

00:30:05,990 --> 00:30:10,640

handle of which looks near identical to

619

00:30:07,819 --> 00:30:14,659

the alpha 6 was in fact a rebranded

620

00:30:10,640 --> 00:30:16,520

novelty golf ball detector during their

621

00:30:14,660 --> 00:30:19,519

trial the trees maintained that the

622

00:30:16,519 --> 00:30:21,470

alpha 6 did work they've been convicted

623

00:30:19,519 --> 00:30:25,190

of fraud and are due to be sentenced

624

00:30:21,470 --> 00:30:27,769

next month Australian listeners if

625

00:30:25,190 --> 00:30:30,019

you're not already familiar with it scam

626

00:30:27,769 --> 00:30:32,089

watch is an excellent website to visit

627

00:30:30,019 --> 00:30:34,250

with information for consumers and small

628
00:30:32,089 --> 00:30:37,369
business on how to recognize and avoid

629
00:30:34,250 --> 00:30:40,130
scams plus a database of common scams

630
00:30:37,369 --> 00:30:41,599
operating in Australia run by the

631
00:30:40,130 --> 00:30:44,150
Australian Competition and Consumer

632
00:30:41,599 --> 00:30:46,009
Commission scam watch has a simple

633
00:30:44,150 --> 00:30:47,870
reporting function by which you can

634
00:30:46,009 --> 00:30:51,440
alert the a Triple C to any fraudulent

635
00:30:47,869 --> 00:30:58,479
items or practices you come across scam

636
00:30:51,440 --> 00:31:01,700
watches URL is WWE can watch Govier you

637
00:30:58,480 --> 00:31:03,589
this has been Joe alabaster you can

638
00:31:01,700 --> 00:31:07,660
visit my blog evidence please and

639
00:31:03,589 --> 00:31:07,659
evidence please net

640
00:31:20,480 --> 00:31:25,799
ad hominem begging the question factoid

641
00:31:23,670 --> 00:31:27,929
propagation false analogy false cause

642
00:31:25,799 --> 00:31:29,759
false dichotomy gibberish immunized

643
00:31:27,929 --> 00:31:31,320
hypothesis moral equivalence poison the

644
00:31:29,759 --> 00:31:33,929
well simple modern certitude stacking a

645
00:31:31,319 --> 00:31:35,849
deck and WTF which is some of the

646
00:31:33,929 --> 00:31:38,370
fallacies we provide real life examples

647
00:31:35,849 --> 00:31:42,240
of in hunting humbug 101 a podcast about

648
00:31:38,369 --> 00:31:54,808
bad arguments check it out at WWF text

649
00:31:42,240 --> 00:31:56,910
field guide net welcome to weaken

650
00:31:54,808 --> 00:31:59,369
science from arias bringing you the

651
00:31:56,910 --> 00:32:02,850
science you need to know the human body

652
00:31:59,369 --> 00:32:10,289
is pretty weird like freaky weird here's

653
00:32:02,849 --> 00:32:11,819
some of our favorite facts the most

654
00:32:10,289 --> 00:32:14,069
amazing part of the human body is

655
00:32:11,819 --> 00:32:16,829
definitely the brain it is made up of

656

00:32:14,069 --> 00:32:18,450
around 86 billion neurons if you were to

657
00:32:16,829 --> 00:32:20,819
count them it would take around two and

658
00:32:18,450 --> 00:32:23,370
a half thousand years to run all those

659
00:32:20,819 --> 00:32:25,859
neurons the brain uses around 300 to 500

660
00:32:23,369 --> 00:32:28,319
calories of energy per day about the

661
00:32:25,859 --> 00:32:30,808
same as a 15 watt light bulb that all

662
00:32:28,319 --> 00:32:32,579
seems rather efficient to me the speed

663
00:32:30,808 --> 00:32:33,899
that nerves carry information to and

664
00:32:32,579 --> 00:32:35,970
from the brain depends on their

665
00:32:33,900 --> 00:32:38,280
thickness with thicker nerves carrying

666
00:32:35,970 --> 00:32:40,289
information faster than thinner the

667
00:32:38,279 --> 00:32:43,319
thickest nerves can carry information at

668
00:32:40,289 --> 00:32:45,299
around 400 kilometers per hour and with

669
00:32:43,319 --> 00:32:47,369
all that brainpower and computational

670
00:32:45,299 --> 00:32:50,099

ability a study has shown that men think

671

00:32:47,369 --> 00:32:52,349

about sex on average about 34 times a

672

00:32:50,099 --> 00:32:55,148

day which is about the same we think

673

00:32:52,349 --> 00:32:57,709

about food or sleep

674

00:32:55,148 --> 00:33:00,108

the circulatory system is pretty amazing

675

00:32:57,710 --> 00:33:02,480

as well if you take all your blood

676

00:33:00,108 --> 00:33:05,178

vessels and lay them end to end you die

677

00:33:02,480 --> 00:33:07,460

but those blood vessels would also reach

678

00:33:05,179 --> 00:33:09,590

a hundred thousand kilometers that's

679

00:33:07,460 --> 00:33:12,259

around the world two and a half times

680

00:33:09,589 --> 00:33:14,178

the heart is the hardest working muscle

681

00:33:12,259 --> 00:33:17,118

in the body beating a hundred thousand

682

00:33:14,179 --> 00:33:19,999

times each day that adds up to 3 billion

683

00:33:17,118 --> 00:33:21,829

beats over a lifetime at rest the heart

684

00:33:19,999 --> 00:33:24,710

pumps around 70 milliliters of blood

685
00:33:21,829 --> 00:33:26,769
each beat this means the heart pumps

686
00:33:24,710 --> 00:33:29,149
around five liters of blood every minute

687
00:33:26,769 --> 00:33:31,759
however this increases dramatically

688
00:33:29,148 --> 00:33:34,189
during exercise and for trained athletes

689
00:33:31,759 --> 00:33:36,409
even more the pressure at which a pumps

690
00:33:34,190 --> 00:33:37,820
the blood is also very impressive it is

691
00:33:36,409 --> 00:33:41,119
said that the heart can squirt blood

692
00:33:37,819 --> 00:33:44,439
around nine meters and now for fast

693
00:33:41,118 --> 00:33:46,519
facts about the weird human body

694
00:33:44,440 --> 00:33:49,100
fingernails grow around three

695
00:33:46,519 --> 00:33:51,649
millimeters per month that's about three

696
00:33:49,099 --> 00:33:54,108
times faster than toenails here on the

697
00:33:51,648 --> 00:33:56,988
other hand grows very quickly about 1.2

698
00:33:54,108 --> 00:33:59,269
5 centimeters each month people who are

699
00:33:56,989 --> 00:34:01,940
deaf juicer inner-ear damage don't get

700
00:33:59,269 --> 00:34:04,009
seasick and just like a fingerprint your

701
00:34:01,940 --> 00:34:06,619
tongues design is completely unique to

702
00:34:04,009 --> 00:34:08,659
you that's it for this week in science

703
00:34:06,618 --> 00:34:11,328
if your brain is intrigued by the weird

704
00:34:08,659 --> 00:34:15,378
human body go to the arrows websites are

705
00:34:11,329 --> 00:34:18,048
I a u.s. dog door a you follow us on

706
00:34:15,378 --> 00:34:20,179
twitter at arias and like us on facebook

707
00:34:18,048 --> 00:34:22,599
i'm ben lewis and we'll catch you next

708
00:34:20,179 --> 00:34:22,599
week

709
00:34:31,719 --> 00:34:40,639
this is the cosmos a network of a

710
00:34:36,619 --> 00:34:45,159
hundred billion galaxies and it's the

711
00:34:40,639 --> 00:34:45,159
greatest story science has ever told

712
00:35:01,019 --> 00:35:07,539
life on earth is one who couldn't solve

713

00:35:03,849 --> 00:35:11,250
mysteries of science come with me our

714
00:35:07,539 --> 00:35:11,250
journey is just beginning

715
00:35:13,619 --> 00:35:18,760
Australian listeners is your chance to

716
00:35:16,179 --> 00:35:22,419
own your very own copy of cosmos a

717
00:35:18,760 --> 00:35:23,920
spacetime Odyssey on DVD courtesy of our

718
00:35:22,420 --> 00:35:26,920
good friends at the National Geographic

719
00:35:23,920 --> 00:35:29,619
Channel in Australia three decades after

720
00:35:26,920 --> 00:35:31,840
the debut of the original cosmos it is

721
00:35:29,619 --> 00:35:35,170
time once again to set sail for the

722
00:35:31,840 --> 00:35:37,450
stars hosted by renowned astrophysicist

723
00:35:35,170 --> 00:35:39,190
Neil deGrasse Tyson the series will

724
00:35:37,449 --> 00:35:41,589
explore how we discovered the laws of

725
00:35:39,190 --> 00:35:44,460
nature and found our coordinates in

726
00:35:41,590 --> 00:35:46,990
space and time it will bring to life

727
00:35:44,460 --> 00:35:49,690

never-before-told stories of the heroic

728

00:35:46,989 --> 00:35:52,089

quest for knowledge and transports

729

00:35:49,690 --> 00:35:54,940

viewers to new worlds and across the

730

00:35:52,090 --> 00:35:58,000

universe for a vision of the cosmos on

731

00:35:54,940 --> 00:36:01,119

the grandest scale wow that's a good

732

00:35:58,000 --> 00:36:05,670

blurb all 13 episodes of the new cosmos

733

00:36:01,119 --> 00:36:08,349

series on e4 DVD disc set can be yours

734

00:36:05,670 --> 00:36:11,800

Australian listeners this is what you

735

00:36:08,349 --> 00:36:16,000

have to do using the theme billions and

736

00:36:11,800 --> 00:36:20,980

billions send us a photograph send us a

737

00:36:16,000 --> 00:36:24,130

photograph send it to cosmos at skeptic

738

00:36:20,980 --> 00:36:25,480

zone TV that's your dress don't make it

739

00:36:24,130 --> 00:36:27,099

too big please nothing like five

740

00:36:25,480 --> 00:36:30,750

megabytes see if you can sort of crunch

741

00:36:27,099 --> 00:36:33,130

it down to it no more than one for a

742
00:36:30,750 --> 00:36:36,269
convenience sake we're going to be

743
00:36:33,130 --> 00:36:40,990
posting those on the skeptic zone

744
00:36:36,269 --> 00:36:43,210
facebook group page so there's your

745
00:36:40,989 --> 00:36:47,829
mission should you choose to accept it

746
00:36:43,210 --> 00:36:50,530
send us a photograph with the theme in

747
00:36:47,829 --> 00:36:54,130
mind billions and billions and the

748
00:36:50,530 --> 00:36:55,740
judges will award the DVD to what they

749
00:36:54,130 --> 00:36:58,930
consider to be the most creative

750
00:36:55,739 --> 00:37:03,429
photograph sentian please include your

751
00:36:58,929 --> 00:37:06,838
full name and your city or town so there

752
00:37:03,429 --> 00:37:09,190
it is the new cosmos DVD set competition

753
00:37:06,838 --> 00:37:10,929
but I'll leave you with a little clip

754
00:37:09,190 --> 00:37:15,309
from the new cosmos series with Neil

755
00:37:10,929 --> 00:37:17,500
deGrasse Tyson and carl sagan it's

756
00:37:15,309 --> 00:37:19,269
inspiring stuff

757
00:37:17,500 --> 00:37:22,239
Carl Sagan was a member of voyagers

758
00:37:19,269 --> 00:37:25,559
imaging team and it was his idea that

759
00:37:22,239 --> 00:37:28,119
Voyager take one last picture a

760
00:37:25,559 --> 00:37:30,549
generation before an astronaut on the

761
00:37:28,119 --> 00:37:33,339
last Apollo flight to the moon had taken

762
00:37:30,550 --> 00:37:36,760
a picture of the whole earth the planet

763
00:37:33,340 --> 00:37:40,120
as a world without borders it became an

764
00:37:36,760 --> 00:37:42,750
icon of a new consciousness Carl

765
00:37:40,119 --> 00:37:46,150
realized the next step in this process

766
00:37:42,750 --> 00:37:48,039
he convinced NASA to turn the Voyager 1

767
00:37:46,150 --> 00:37:51,250
camera back towards Earth when the

768
00:37:48,039 --> 00:37:55,090
spacecraft went beyond Neptune one last

769
00:37:51,250 --> 00:37:57,539
look homeward at what he called the pale

770

00:37:55,090 --> 00:37:57,539
blue dot

771
00:38:02,329 --> 00:38:11,519
that's here that's home that's us on it

772
00:38:08,219 --> 00:38:15,089
everyone you love everyone you know

773
00:38:11,519 --> 00:38:18,949
everyone you ever heard of every human

774
00:38:15,090 --> 00:38:22,940
being who ever was lived out their lives

775
00:38:18,949 --> 00:38:24,869
the aggregate of joy and suffering

776
00:38:22,940 --> 00:38:27,619
thousands of confident religions

777
00:38:24,869 --> 00:38:31,529
ideologies and economic doctrines every

778
00:38:27,619 --> 00:38:33,900
hunter and forager every hero and coward

779
00:38:31,530 --> 00:38:36,630
every creator and destroyer of

780
00:38:33,900 --> 00:38:40,110
civilization every King and peasant

781
00:38:36,630 --> 00:38:43,980
every young couple in love every mother

782
00:38:40,110 --> 00:38:47,430
and father hopeful child inventor and

783
00:38:43,980 --> 00:38:50,670
Explorer every teacher of morals every

784
00:38:47,429 --> 00:38:55,199

corrupt politician every superstar every

785

00:38:50,670 --> 00:38:57,750

Supreme Leader every saint and sinner in

786

00:38:55,199 --> 00:39:03,349

the history of our species lived there

787

00:38:57,750 --> 00:39:08,699

on a mote of dust suspended in a sunbeam

788

00:39:03,349 --> 00:39:12,068

the earth is a very small stage in a

789

00:39:08,699 --> 00:39:16,028

vast cosmic arena

790

00:39:12,068 --> 00:39:19,659

think of the rivers of blood spilled by

791

00:39:16,028 --> 00:39:21,998

all those generals and emperors so that

792

00:39:19,659 --> 00:39:26,649

in glory and triumph they could become

793

00:39:21,998 --> 00:39:29,558

the momentary masters of a fraction of a

794

00:39:26,650 --> 00:39:32,528

dot think of the endless cruelties

795

00:39:29,559 --> 00:39:35,229

visited by the inhabitants of one corner

796

00:39:32,528 --> 00:39:38,349

of this pixel on the scarcely

797

00:39:35,228 --> 00:39:40,718

distinguishable inhabitants of some

798

00:39:38,349 --> 00:39:43,660

other corner how frequent their

799
00:39:40,719 --> 00:39:46,599
misunderstandings how eager they are to

800
00:39:43,659 --> 00:39:53,108
kill one another how fervent their

801
00:39:46,599 --> 00:39:55,599
hatreds our posturings our imagined

802
00:39:53,108 --> 00:39:57,670
self-importance the delusion that we

803
00:39:55,599 --> 00:40:01,269
have some privileged position in the

804
00:39:57,670 --> 00:40:06,909
universe are challenged by this point of

805
00:40:01,268 --> 00:40:12,008
pale light our planet is a lonely speck

806
00:40:06,909 --> 00:40:17,588
in the great enveloping cosmic dark in

807
00:40:12,009 --> 00:40:19,929
our obscurity in all this vastness there

808
00:40:17,588 --> 00:40:24,369
is no hint that help will come from

809
00:40:19,929 --> 00:40:27,068
elsewhere to save us from ourselves the

810
00:40:24,369 --> 00:40:30,160
earth is the only world known so far to

811
00:40:27,068 --> 00:40:32,768
harbor life there is nowhere else at

812
00:40:30,159 --> 00:40:37,559
least in the near future to which our

813
00:40:32,768 --> 00:40:39,429
species could migrate visit yes

814
00:40:37,559 --> 00:40:42,869
settle

815
00:40:39,429 --> 00:40:47,348
not yet like it or not for the moment

816
00:40:42,869 --> 00:40:49,180
the earth is where we make our stand it

817
00:40:47,349 --> 00:40:51,240
has been said that astronomy is a

818
00:40:49,179 --> 00:40:55,328
humbling and character-building

819
00:40:51,239 --> 00:40:57,759
experience there is perhaps no better

820
00:40:55,329 --> 00:41:03,660
demonstration of the folly of human

821
00:40:57,760 --> 00:41:06,579
conceits than this distant image to me

822
00:41:03,659 --> 00:41:09,039
it underscores our responsibility to

823
00:41:06,579 --> 00:41:13,089
deal more kindly with one another and to

824
00:41:09,039 --> 00:41:18,210
preserve and cherish the pale blue dot

825
00:41:13,088 --> 00:41:18,210
the only home we've ever known

826
00:41:36,519 --> 00:41:45,500
great awesome awesome let's all take

827

00:41:42,739 --> 00:41:53,389
this with a grain of salt he's around

828
00:41:45,500 --> 00:41:54,798
ticket i'm here with Reese Morgan Reese

829
00:41:53,389 --> 00:41:57,078
for a lot of skeptics needs no

830
00:41:54,798 --> 00:41:59,000
introduction but maybe Ricci maybe you

831
00:41:57,079 --> 00:42:01,579
can tell us those are the few who

832
00:41:59,000 --> 00:42:04,639
listeners who do not know who you are do

833
00:42:01,579 --> 00:42:07,280
you want to tell them why people know

834
00:42:04,639 --> 00:42:10,190
about you and yeah sure a few years ago

835
00:42:07,280 --> 00:42:13,220
I was involved in talking and debunking

836
00:42:10,190 --> 00:42:14,960
a miracle mineral solution and that was

837
00:42:13,219 --> 00:42:16,189
the product name and it was an

838
00:42:14,960 --> 00:42:19,010
industrial bleaching agent being

839
00:42:16,190 --> 00:42:22,309
promoted as a treatment for all sorts of

840
00:42:19,010 --> 00:42:26,049
illnesses cancer Crohn's arthritis

841
00:42:22,309 --> 00:42:28,460

tuberculosis and I got involved with

842

00:42:26,048 --> 00:42:30,889

debunking that and I got the james randi

843

00:42:28,460 --> 00:42:32,449

education educational foundation award

844

00:42:30,889 --> 00:42:35,150

for outstanding contribution to

845

00:42:32,449 --> 00:42:38,058

grassroots skepticism for that and at

846

00:42:35,150 --> 00:42:40,278

tom london in 2010 and then after summer

847

00:42:38,059 --> 00:42:42,859

we should just point out tom london 2010

848

00:42:40,278 --> 00:42:45,170

you're now almost 20 right yes so you

849

00:42:42,858 --> 00:42:48,440

were I was in the 1516 when that

850

00:42:45,170 --> 00:42:50,588

happened rue and then it cut the year

851

00:42:48,440 --> 00:42:52,548

later of so I got involved with i

852

00:42:50,588 --> 00:42:54,380

blogged about the clinic called the

853

00:42:52,548 --> 00:42:55,818

Burzynski clinic in America who are a

854

00:42:54,380 --> 00:42:58,250

cancer clinic who offer a treatment

855

00:42:55,818 --> 00:42:59,989

called Antonia plast ons and there

856
00:42:58,250 --> 00:43:01,818
there's no scientific evidence that they

857
00:42:59,989 --> 00:43:05,209
work or effective in the treatment of

858
00:43:01,818 --> 00:43:07,250
cancer but the doctor Pierzynski will he

859
00:43:05,210 --> 00:43:09,170
will promote it as if it was a treatment

860
00:43:07,250 --> 00:43:11,000
or cure and people pay hundreds of

861
00:43:09,170 --> 00:43:12,980
thousands of dollars to go over to his

862
00:43:11,000 --> 00:43:15,409
clinic so get this treatment so I

863
00:43:12,980 --> 00:43:17,929
blogged about this I said this is wrong

864
00:43:15,409 --> 00:43:21,618
this shouldn't be happening and I was

865
00:43:17,929 --> 00:43:24,139
almost sued by him for it he hired a he

866
00:43:21,619 --> 00:43:26,900
had someone called mark stevens who was

867
00:43:24,139 --> 00:43:28,639
hired to help the pr of the company the

868
00:43:26,900 --> 00:43:32,450
web helped their web presence but

869
00:43:28,639 --> 00:43:34,639
instead it backfired and he caused all

870
00:43:32,449 --> 00:43:36,409
google results to now show when you

871
00:43:34,639 --> 00:43:38,298
search baczynski you find all about

872
00:43:36,409 --> 00:43:38,639
skepticism you find about scams and all

873
00:43:38,298 --> 00:43:40,380
that

874
00:43:38,639 --> 00:43:43,440
so that's sort of how I became involved

875
00:43:40,380 --> 00:43:44,970
in skepticism okay so the question asked

876
00:43:43,440 --> 00:43:47,670
you before we started recording was

877
00:43:44,969 --> 00:43:50,669
about how you probably go about your

878
00:43:47,670 --> 00:43:53,599
daily life in relative anonymity but

879
00:43:50,670 --> 00:43:57,180
then you come to something like this a

880
00:43:53,599 --> 00:43:59,760
QED a skeptical conference and you're a

881
00:43:57,179 --> 00:44:01,919
bit of a local celebrity aren't you it

882
00:43:59,760 --> 00:44:03,900
is a bit different from my normal life

883
00:44:01,920 --> 00:44:05,849
because you know when I walk are in

884

00:44:03,900 --> 00:44:07,139
Cardiff my hometown you know nobody pays

885
00:44:05,849 --> 00:44:09,510
any attention to me really except my

886
00:44:07,139 --> 00:44:11,190
friends and then when I come to QE do

887
00:44:09,510 --> 00:44:13,019
people come up to me and just be like oh

888
00:44:11,190 --> 00:44:15,358
hi Reese hi reason it's quite odd

889
00:44:13,018 --> 00:44:17,729
especially when you have people that you

890
00:44:15,358 --> 00:44:22,170
you don't know but they know you it

891
00:44:17,730 --> 00:44:23,670
would be quite quite like me okay and

892
00:44:22,170 --> 00:44:28,798
then they drag you to back room and

893
00:44:23,670 --> 00:44:30,059
start recording so first of all

894
00:44:28,798 --> 00:44:32,548
obviously the story with bros inc

895
00:44:30,059 --> 00:44:34,349
baczynski actually it hasn't ended yet

896
00:44:32,548 --> 00:44:36,690
but it's definitely going in the right

897
00:44:34,349 --> 00:44:38,068
direction there's there's even just just

898
00:44:36,690 --> 00:44:39,838

recently there's been a lot of news

899

00:44:38,068 --> 00:44:42,358

about he's basically not allowed to

900

00:44:39,838 --> 00:44:45,619

provide that treatment anymore yeah so

901

00:44:42,358 --> 00:44:49,528

so this obviously has led to significant

902

00:44:45,619 --> 00:44:53,608

significant positive changes now you had

903

00:44:49,528 --> 00:44:55,829

to show quite a bit of strength I would

904

00:44:53,608 --> 00:44:57,989

say at the time you mean you were

905

00:44:55,829 --> 00:44:59,970

threatened being with being sued so so

906

00:44:57,989 --> 00:45:01,858

can you tell us about that and how you

907

00:44:59,969 --> 00:45:05,368

felt and how you actually dealt with it

908

00:45:01,858 --> 00:45:07,710

yeah it was it was it was awkward at a

909

00:45:05,369 --> 00:45:09,329

time because i was doing my a levels for

910

00:45:07,710 --> 00:45:11,519

the first time and i was stressed

911

00:45:09,329 --> 00:45:13,500

because of those and then i received an

912

00:45:11,518 --> 00:45:15,209

email from marc Stevens threatening to

913
00:45:13,500 --> 00:45:16,679
sue me for liable if I didn't take the

914
00:45:15,210 --> 00:45:18,838
blog post down and given the state of

915
00:45:16,679 --> 00:45:22,199
the UK's libel laws of time we haven't

916
00:45:18,838 --> 00:45:25,650
had any sort of libel reform and being

917
00:45:22,199 --> 00:45:26,909
made into law yet so I was quite quite

918
00:45:25,650 --> 00:45:28,889
nervous you know at first I thought well

919
00:45:26,909 --> 00:45:31,440
I'm on the right side here you know I've

920
00:45:28,889 --> 00:45:33,179
definitely told the truth so I had not

921
00:45:31,440 --> 00:45:35,338
libeled him but at the same time I knew

922
00:45:33,179 --> 00:45:36,960
the costs of a liable case and the

923
00:45:35,338 --> 00:45:39,259
stress of a libel case regardless of

924
00:45:36,960 --> 00:45:41,940
whether you've said the truth are not

925
00:45:39,259 --> 00:45:43,619
extortionate so it was quite stressful

926
00:45:41,940 --> 00:45:46,950
and then I was able to get in contact

927
00:45:43,619 --> 00:45:49,690
with Simon Singh who got in touch with

928
00:45:46,949 --> 00:45:52,819
Robert Duggan's and they both helped me

929
00:45:49,690 --> 00:45:55,130
sort of make sure that there is a bird

930
00:45:52,820 --> 00:45:57,710
organs Robert Sims is simon sings lawyer

931
00:45:55,130 --> 00:45:58,970
or system and and he helped him

932
00:45:57,710 --> 00:46:02,539
throughout the British Chiropractic

933
00:45:58,969 --> 00:46:05,119
Association versus sing case and they

934
00:46:02,539 --> 00:46:06,969
both helped write emails to send back to

935
00:46:05,119 --> 00:46:09,710
mark stephens and write a new blog post

936
00:46:06,969 --> 00:46:12,500
detailing exactly what had happened you

937
00:46:09,710 --> 00:46:14,210
know how I'd been threatened and so that

938
00:46:12,500 --> 00:46:16,309
I was able to put that up later on after

939
00:46:14,210 --> 00:46:20,690
it was established that they learnt it

940
00:46:16,309 --> 00:46:22,759
they weren't going to sue me so how long

941

00:46:20,690 --> 00:46:25,309
was all over this this all took place

942
00:46:22,760 --> 00:46:27,410
over about the space of about a month i

943
00:46:25,309 --> 00:46:29,719
would say it was a start of november

944
00:46:27,409 --> 00:46:31,369
that i got the first email and then i

945
00:46:29,719 --> 00:46:34,189
had a back and forth between mark

946
00:46:31,369 --> 00:46:36,460
stevens and myself and with a lot of

947
00:46:34,190 --> 00:46:39,559
input from robert Duggan's and Simon and

948
00:46:36,460 --> 00:46:40,970
to help right the e-mails back and then

949
00:46:39,559 --> 00:46:41,840
eventually they suggest that they were

950
00:46:40,969 --> 00:46:44,029
going to get to another law firm

951
00:46:41,840 --> 00:46:44,930
involved and as in business he connects

952
00:46:44,030 --> 00:46:47,210
that they're gonna get another law firm

953
00:46:44,929 --> 00:46:50,059
involved and that fizzled away into

954
00:46:47,210 --> 00:46:52,340
nothing thankfully I see and what have

955
00:46:50,059 --> 00:46:53,989

you been doing since I mean it's been in

956

00:46:52,340 --> 00:46:55,550

quite a while I'm assuming that you've

957

00:46:53,989 --> 00:46:58,329

been quite active in the meantime yeah

958

00:46:55,550 --> 00:47:01,310

I'm sort of helping in the background to

959

00:46:58,329 --> 00:47:04,429

against the Burzynski case still like

960

00:47:01,309 --> 00:47:06,259

there are the skeptics in the US as well

961

00:47:04,429 --> 00:47:09,589

such as Bob blaskowitz you've really

962

00:47:06,260 --> 00:47:11,600

taken the lead in sort of the public

963

00:47:09,590 --> 00:47:13,940

information side of getting the

964

00:47:11,599 --> 00:47:16,130

Burzynski story across he runs and a

965

00:47:13,940 --> 00:47:19,250

group called skeptics of the prepare for

966

00:47:16,130 --> 00:47:20,809

the protection of cancer patients and so

967

00:47:19,250 --> 00:47:23,210

I've sort of been helping and they have

968

00:47:20,809 --> 00:47:25,190

a couple of websites about the Texas

969

00:47:23,210 --> 00:47:26,480

Houston cancer quack yeah the Houston

970
00:47:25,190 --> 00:47:27,860
cancer crack and that's a you know it's

971
00:47:26,480 --> 00:47:30,139
a brilliant resource of patients whom

972
00:47:27,860 --> 00:47:32,030
the other and also the other the other

973
00:47:30,139 --> 00:47:34,519
brzezinski patient group oh yeah that

974
00:47:32,030 --> 00:47:37,040
was best one yeah yeah and they own that

975
00:47:34,519 --> 00:47:38,570
you can find details of patients who've

976
00:47:37,039 --> 00:47:40,369
gone to Pierzynski and then have not

977
00:47:38,570 --> 00:47:43,100
been successful which is the majority of

978
00:47:40,369 --> 00:47:45,230
them so you can find all their stories

979
00:47:43,099 --> 00:47:47,989
on that website build other campaigns

980
00:47:45,230 --> 00:47:49,929
that he's helped you know he's run have

981
00:47:47,989 --> 00:47:53,329
been like letter-writing campaigns to

982
00:47:49,929 --> 00:47:57,169
senators in the US and so I've been sort

983
00:47:53,329 --> 00:47:58,759
of not taking a disinterest in a bit

984
00:47:57,170 --> 00:48:01,960
sort of taking more of a backseat while

985
00:47:58,760 --> 00:48:04,240
Bob's been continuing the work

986
00:48:01,960 --> 00:48:06,190
so something else that I focused on

987
00:48:04,239 --> 00:48:07,689
slightly recently was multi-level

988
00:48:06,190 --> 00:48:08,950
marketing but some of my friends got

989
00:48:07,690 --> 00:48:11,608
involved in a multi-level marketing

990
00:48:08,949 --> 00:48:16,269
scheme and so I decided to write about

991
00:48:11,608 --> 00:48:17,230
how things like Herbalife and all these

992
00:48:16,269 --> 00:48:19,659
are the most clever marketing schemes

993
00:48:17,230 --> 00:48:21,820
aren't actually you know the savior for

994
00:48:19,659 --> 00:48:22,960
people you know that they're not going

995
00:48:21,820 --> 00:48:25,000
to actually make you into multi

996
00:48:22,960 --> 00:48:27,309
millionaires unless you're you know one

997
00:48:25,000 --> 00:48:29,469
in a million or something yeah well yeah

998

00:48:27,309 --> 00:48:30,880
it's not just that they want hope you

999
00:48:29,469 --> 00:48:34,358
may have become a millionaire that

1000
00:48:30,880 --> 00:48:37,059
they're unlikely to make you any profit

1001
00:48:34,358 --> 00:48:39,369
most yeah just make a few dollars at

1002
00:48:37,059 --> 00:48:42,009
most yeah on average or you might even

1003
00:48:39,369 --> 00:48:43,599
end up with debt because you've bought a

1004
00:48:42,010 --> 00:48:44,920
significant amount of stock that they've

1005
00:48:43,599 --> 00:48:47,680
promised you'd be able to sell and

1006
00:48:44,920 --> 00:48:51,280
you've not been able to sell it and yes

1007
00:48:47,679 --> 00:48:52,779
it's good again yeah so so this is your

1008
00:48:51,280 --> 00:48:54,609
focus of the moment from escape you got

1009
00:48:52,780 --> 00:48:56,769
perspective yeah I'd like to do more on

1010
00:48:54,608 --> 00:48:58,449
sort of like taking down multi door

1011
00:48:56,769 --> 00:49:00,519
marketing schemes is a bit bit of a big

1012
00:48:58,449 --> 00:49:03,250

deal because there you know you see

1013

00:49:00,519 --> 00:49:04,719

Herbalife on rugby sponsor shirts and

1014

00:49:03,250 --> 00:49:06,780

all that sort of thing so they're

1015

00:49:04,719 --> 00:49:09,639

probably even more or even bigger than

1016

00:49:06,780 --> 00:49:12,130

baczynski at the moment and there are so

1017

00:49:09,639 --> 00:49:15,400

many of them that is it would be

1018

00:49:12,130 --> 00:49:17,858

interesting challenge to take on very

1019

00:49:15,400 --> 00:49:19,150

good Reese thank you very much for for

1020

00:49:17,858 --> 00:49:21,190

everything you've done for hopeful

1021

00:49:19,150 --> 00:49:36,579

skepticism and for this interview thank

1022

00:49:21,190 --> 00:49:37,750

you very much hey this is jay novela

1023

00:49:36,579 --> 00:49:39,759

from the skeptics guide to the universe

1024

00:49:37,750 --> 00:49:41,440

podcast did you know that there are

1025

00:49:39,760 --> 00:49:43,450

thousands of skeptical reports

1026

00:49:41,440 --> 00:49:45,070

interviews and investigations going back

1027
00:49:43,449 --> 00:49:49,809
to nineteen eighty one free to download

1028
00:49:45,070 --> 00:49:51,609
just visit w WC optics com a you click

1029
00:49:49,809 --> 00:49:53,409
the publications link and enjoy almost

1030
00:49:51,608 --> 00:49:55,569
every back issue of the skeptic the

1031
00:49:53,409 --> 00:49:57,338
journal from Australian skeptics you can

1032
00:49:55,570 --> 00:49:59,619
also subscribe online and get the latest

1033
00:49:57,338 --> 00:50:01,659
digital or hard copy of this the world's

1034
00:49:59,619 --> 00:50:05,320
second oldest skeptical magazine that's

1035
00:50:01,659 --> 00:50:08,608
ww skeptics com au or just google

1036
00:50:05,320 --> 00:50:08,609
Australian skeptics

1037
00:50:22,940 --> 00:50:27,119
thank you for listening to the skeptic

1038
00:50:25,559 --> 00:50:30,329
zone and as I mentioned at the top of

1039
00:50:27,119 --> 00:50:32,940
the show James Randi is coming out to

1040
00:50:30,329 --> 00:50:35,430
australia in december to do a series of

1041
00:50:32,940 --> 00:50:38,278
talks in perth Brisbane Melbourne Sydney

1042
00:50:35,429 --> 00:50:40,409
I think I've got that correct look I'm

1043
00:50:38,278 --> 00:50:42,869
going to be having a chat to James well

1044
00:50:40,409 --> 00:50:44,368
in the coming weeks or months about this

1045
00:50:42,869 --> 00:50:46,170
and I'll bring you that on the skeptic

1046
00:50:44,369 --> 00:50:48,509
zone but keep an eye out for that an

1047
00:50:46,170 --> 00:50:51,450
evening of james randi are going to be

1048
00:50:48,509 --> 00:50:53,639
showing the honest liar the documentary

1049
00:50:51,449 --> 00:50:56,639
about James Randi but i'll try to bring

1050
00:50:53,639 --> 00:50:59,159
you more information about that as it

1051
00:50:56,639 --> 00:51:02,098
comes to hand always good to see James

1052
00:50:59,159 --> 00:51:03,480
Randi in Australia James Randi in

1053
00:51:02,099 --> 00:51:05,190
Australia and that's the name of the

1054
00:51:03,480 --> 00:51:07,079
documentary that was made way back in

1055

00:51:05,190 --> 00:51:08,940
nineteen eighty one nineteen nineteen

1056
00:51:07,079 --> 00:51:12,089
eighty-one all about James Randi doing

1057
00:51:08,940 --> 00:51:15,329
water divining tests google it James

1058
00:51:12,088 --> 00:51:18,798
Randi in Australia it's a wonderful

1059
00:51:15,329 --> 00:51:22,440
documentary about 45 minutes I I guess

1060
00:51:18,798 --> 00:51:24,298
all about water divining and that helped

1061
00:51:22,440 --> 00:51:26,999
kick off Australian skeptics all those

1062
00:51:24,298 --> 00:51:28,559
years ago but for now this is all right

1063
00:51:26,998 --> 00:51:30,328
all right all those people who write in

1064
00:51:28,559 --> 00:51:34,739
to me and asked me to do this I'll do it

1065
00:51:30,329 --> 00:51:38,430
again he I've got my ten sided die here

1066
00:51:34,739 --> 00:51:42,630
I think I've got this at dragoncon sort

1067
00:51:38,429 --> 00:51:45,960
of red and wine colored red wine colored

1068
00:51:42,630 --> 00:51:50,910
bright red anyway ten sided dice numbers

1069
00:51:45,960 --> 00:51:54,088

from one to ten or 029 will call it one

1070

00:51:50,909 --> 00:51:56,639

to ten give this a shake so use your

1071

00:51:54,088 --> 00:52:00,298

psychic powers folks think now look into

1072

00:51:56,639 --> 00:52:02,129

the future will it roll a one two three

1073

00:52:00,298 --> 00:52:04,588

four five six seven eight nine or ten

1074

00:52:02,130 --> 00:52:13,710

house so Kiki you here we go one two

1075

00:52:04,588 --> 00:52:17,099

three seven want to try another one here

1076

00:52:13,710 --> 00:52:24,720

we go look into the future guess the

1077

00:52:17,099 --> 00:52:27,690

number one two three seven what

1078

00:52:24,719 --> 00:52:29,250

this can't be across it Kent one more

1079

00:52:27,690 --> 00:52:30,960

guy one more go just to prove it's not

1080

00:52:29,250 --> 00:52:32,429

loaded or anything shake shake shake

1081

00:52:30,960 --> 00:52:40,559

look into the future guess that number

1082

00:52:32,429 --> 00:52:44,219

here we go one two three uh-huh to all

1083

00:52:40,559 --> 00:52:47,608

those people who got 772 you win some

1084
00:52:44,219 --> 00:52:49,500
homeopathic coconut water but for now

1085
00:52:47,608 --> 00:52:54,389
this is Richard Saunders signing off

1086
00:52:49,500 --> 00:52:56,670
from Sydney Australia you've been

1087
00:52:54,389 --> 00:53:01,199
listening to the skeptic zone visit our

1088
00:52:56,670 --> 00:53:03,690
website at [www.skeptics on TV](http://www.skepticsontv.com) for

1089
00:53:01,199 --> 00:53:06,348
comments contacts and extra video

1090
00:53:03,690 --> 00:53:06,349
reports

1091
00:53:10,778 --> 00:53:12,809
Oh

1092
00:53:17,550 --> 00:53:19,610
Oh

1093
00:53:24,690 --> 00:53:26,750
you