

The Skeptic Zone

Show 258 - 29 Sept 2013



George Hrab

1
00:00:16,970 --> 00:00:09,090
welcome to the skeptic zone the podcast

2
00:00:16,980 --> 00:00:21,900
you

3
00:00:28,090 --> 00:00:24,760
hello and welcome to the skeptic zone

4
00:00:31,120 --> 00:00:28,100
episode number 258 for the 29th of

5
00:00:34,060 --> 00:00:31,130
September 2013 Richard Saunders here

6
00:00:37,150 --> 00:00:34,070
with you from Sydney Australia and

7
00:00:39,520 --> 00:00:37,160
what's on the show this week I catch up

8
00:00:43,330 --> 00:00:39,530
with a very good friend of mine George

9
00:00:46,900 --> 00:00:43,340
rub geo the man himself from the

10
00:00:50,590 --> 00:00:46,910
geologic podcast and many fine albums

11
00:00:53,350 --> 00:00:50,600
Georgia rub will discuss various things

12
00:00:55,389 --> 00:00:53,360
like what it's like to MC the amazing

13
00:00:58,630 --> 00:00:55,399

meeting what it's like the front a huge

14

00:01:02,170 --> 00:00:58,640

band and do gigs and what it's like to

15

00:01:04,810 --> 00:01:02,180

have a skeptical podcast a long rambling

16

00:01:07,060 --> 00:01:04,820

chat with George Arab coming up at the

17

00:01:09,070 --> 00:01:07,070

top of the show also on this week's show

18

00:01:11,980 --> 00:01:09,080

a week in science from the Royal

19

00:01:17,230 --> 00:01:11,990

Institution of Australia as we like to

20

00:01:20,050 --> 00:01:17,240

say w WR I a u.s. org a you and Paul

21

00:01:21,520 --> 00:01:20,060

Willis back again don't forget you can

22

00:01:23,770 --> 00:01:21,530

meet Paul will sat the upcoming

23

00:01:27,190 --> 00:01:23,780

Australia's skeptics National Convention

24

00:01:30,370 --> 00:01:27,200

oh yes and I'm going to tell you that ah

25

00:01:32,109 --> 00:01:30,380

today and tomorrow I think that's about

26

00:01:34,090 --> 00:01:32,119

right to your last chance to get the

27

00:01:35,950 --> 00:01:34,100

early bird tickets save some money

28

00:01:37,810 --> 00:01:35,960

there's the hint if you haven't booked

29

00:01:39,399 --> 00:01:37,820

yet for the national convention coming

30

00:01:42,609 --> 00:01:39,409

up in Canberra on the twenty-second of

31

00:01:44,440 --> 00:01:42,619

November but quick quick quick you can

32

00:01:47,170 --> 00:01:44,450

still book after that but it's cheaper

33

00:01:49,179 --> 00:01:47,180

to book right now and in fact the ticket

34

00:01:52,990 --> 00:01:49,189

prices go up on the first of October

35

00:01:55,240 --> 00:01:53,000

then we have staff and cyka our co-host

36

00:01:58,480 --> 00:01:55,250

on the skeptic zone periodically he's

37

00:02:01,330 --> 00:01:58,490

written a great song all about them well

38

00:02:03,940 --> 00:02:01,340

back care encouraging people to be

39

00:02:06,190 --> 00:02:03,950

careful with their spines it's called

40

00:02:09,669 --> 00:02:06,200

mind your back you can download it from

41

00:02:11,920 --> 00:02:09,679

itunes and dr. Stefan Sokka will be

42

00:02:14,920 --> 00:02:11,930

along soon to tell us all about that

43

00:02:18,009 --> 00:02:14,930

mind your back and to round off the show

44

00:02:21,850 --> 00:02:18,019

i chat with michael cruz from bad

45

00:02:24,460 --> 00:02:21,860

science watch in canada and bad science

46

00:02:26,500 --> 00:02:24,470

watch do a great job taking their

47

00:02:28,569 --> 00:02:26,510

concerns to the canadian government and

48

00:02:32,559 --> 00:02:28,579

in this case he's going to discuss their

49

00:02:34,280 --> 00:02:32,569

campaign against the lunacy which is

50

00:02:38,209 --> 00:02:34,290

homeopathy

51
00:02:43,670 --> 00:02:38,219
in the 21st century we're still fighting

52
00:02:48,440 --> 00:02:43,680
this if I just clear space now my desk

53
00:02:50,539 --> 00:02:48,450
here somebody made a comment that they

54
00:02:56,800 --> 00:02:50,549
thought it was funny when I had desk so

55
00:03:01,160 --> 00:02:59,720
there you go now coming up on next

56
00:03:04,690 --> 00:03:01,170
week's show before we get into this

57
00:03:07,599 --> 00:03:04,700
week's show I dr. Rachel reports out

58
00:03:09,860 --> 00:03:07,609
congratulations to dr. a chichi and some

59
00:03:12,470 --> 00:03:09,870
collaborators wrote a very important

60
00:03:14,360 --> 00:03:12,480
paper about blue-green algae and motor

61
00:03:17,270 --> 00:03:14,370
neurone disease and the links they're

62
00:03:19,280 --> 00:03:17,280
very important she's been all over the

63
00:03:21,289 --> 00:03:19,290

media all over television and the press

64

00:03:22,759 --> 00:03:21,299

and her phone's been ringing off the

65

00:03:26,000 --> 00:03:22,769

hook as they used to say in the old days

66

00:03:28,610 --> 00:03:26,010

and dr. H is preparing a special report

67

00:03:31,220 --> 00:03:28,620

about this for the skeptic zone to be

68

00:03:33,319 --> 00:03:31,230

our broadcast next week but you must

69

00:03:35,990 --> 00:03:33,329

understand my friends she has been run

70

00:03:38,930 --> 00:03:36,000

off her feet the attention she has

71

00:03:42,050 --> 00:03:38,940

received for her important work such

72

00:03:43,849 --> 00:03:42,060

important work not only is she as you

73

00:03:46,819 --> 00:03:43,859

know dr. Reggie reports on the skeptic

74

00:03:49,449 --> 00:03:46,829

zone but she is a very very important

75

00:03:51,949 --> 00:03:49,459

scientist in her own right so top marks

76

00:03:55,129 --> 00:03:51,959

dr. Reggie and also I think we're going

77

00:03:59,390 --> 00:03:55,139

to be covering pretty soon this breaking

78

00:04:00,860 --> 00:03:59,400

news today we're chiropractors some

79

00:04:04,369 --> 00:04:00,870

chiropractors in this country have been

80

00:04:08,449 --> 00:04:04,379

tumbled rumbled sneaking into hospitals

81

00:04:11,420 --> 00:04:08,459

to adjust patients and also there's news

82

00:04:13,729 --> 00:04:11,430

about a baby whose neck was broken by a

83

00:04:16,250 --> 00:04:13,739

chiropractor it's all very worrying will

84

00:04:18,920 --> 00:04:16,260

try to cover that next week but for now

85

00:04:20,509 --> 00:04:18,930

let's get on to the skeptic zone you

86

00:04:22,670 --> 00:04:20,519

know how I sometimes roll the dice and I

87

00:04:25,010 --> 00:04:22,680

say well you know what's it going to be

88

00:04:26,810 --> 00:04:25,020

choice of 20 numbers and some if you get

89

00:04:30,310 --> 00:04:26,820

it right well I thought I'd make it a

90

00:04:39,370 --> 00:04:30,320

bit easier heads or tails are you ready

91

00:04:45,860 --> 00:04:43,100

tails congratulations all those people

92

00:04:47,420 --> 00:04:45,870

who picked pedals with that thought in

93

00:04:50,689 --> 00:04:47,430

our heads I'm going to run downstairs

94

00:04:54,260 --> 00:04:50,699

open the cupboard dive into that packet

95

00:04:56,840 --> 00:04:54,270

of peanut puffs I bought today at aldi

96

00:04:58,760 --> 00:04:56,850

when I used to eat them 20 years ago in

97

00:05:00,260 --> 00:04:58,770

Germany I used to know them as Hypnose

98

00:05:01,400 --> 00:05:00,270

flips and I think they're called

99

00:05:03,409 --> 00:05:01,410

something else in other parts of the

100

00:05:05,090 --> 00:05:03,419

world but they're damn delicious yeah I

101
00:05:23,620 --> 00:05:05,100
better do that well I'm doing that I

102
00:05:28,610 --> 00:05:26,540
you burn through the universe and a lot

103
00:05:30,770 --> 00:05:28,620
comes across your face you're trying to

104
00:05:33,290 --> 00:05:30,780
find the distances of all the stuff in

105
00:05:34,610 --> 00:05:33,300
space which you can pack the bacon of

106
00:05:36,050 --> 00:05:34,620
your mind well folks there are many

107
00:05:39,230 --> 00:05:36,060
great things that come out of a place

108
00:05:43,310 --> 00:05:39,240
called Bethlehem is a man that we all

109
00:05:46,820 --> 00:05:43,320
know this son call him the Messiah yes

110
00:05:49,070 --> 00:05:46,830
it's George rob george what an

111
00:05:50,420 --> 00:05:49,080
introduction gosh how can I ever live up

112
00:05:51,890 --> 00:05:50,430
to that my goodness yeah there's many

113
00:05:53,720 --> 00:05:51,900

many good things that I Bethlehem and

114

00:05:56,750 --> 00:05:53,730

there's George Rob that's what i was

115

00:05:59,840 --> 00:05:56,760

expecting for yes yes you I mean do

116

00:06:01,820 --> 00:05:59,850

people often make Bethlehem jokes I

117

00:06:03,800 --> 00:06:01,830

usually I'm the first one to make a

118

00:06:05,510 --> 00:06:03,810

Bethlehem joke for the most part they're

119

00:06:08,120 --> 00:06:05,520

there is a giggle that is in corporate

120

00:06:09,950 --> 00:06:08,130

or that usually follows when I'm at some

121

00:06:11,930 --> 00:06:09,960

convention usually comprised of

122

00:06:15,410 --> 00:06:11,940

non-religious people when I say I'm from

123

00:06:17,360 --> 00:06:15,420

Bethlehem Pennsylvania yeah just that's

124

00:06:19,970 --> 00:06:17,370

it right there that giggle that usually

125

00:06:20,990 --> 00:06:19,980

comes along and my one thing that I've

126

00:06:22,790 --> 00:06:21,000

always wanted to do there is a hotel

127

00:06:24,980 --> 00:06:22,800

here which is called the hotel bethlehem

128

00:06:26,900 --> 00:06:24,990

and I've always wanted to go there

129

00:06:28,310 --> 00:06:26,910

Christmas Eve and just cause a ruckus

130

00:06:30,650 --> 00:06:28,320

about you know complained what do you

131

00:06:32,270 --> 00:06:30,660

mean there's no room oh no yeah so i

132

00:06:33,560 --> 00:06:32,280

haven't haven't got the gumption to do

133

00:06:35,180 --> 00:06:33,570

that yet but one of these one of these

134

00:06:37,790 --> 00:06:35,190

christmas eves i'll do it babies tom

135

00:06:40,370 --> 00:06:37,800

yeah you could you could use the same

136

00:06:42,410 --> 00:06:40,380

beard you used the last tam where you're

137

00:06:45,440 --> 00:06:42,420

imitating James Randi oh yeah that's

138

00:06:48,050 --> 00:06:45,450

perfect yes my wise man outfit would be

139

00:06:52,100 --> 00:06:48,060

perfect for that yes my Randy / wiseman

140

00:06:56,360 --> 00:06:52,110

outfit now you've been the MC fat am now

141

00:06:58,370 --> 00:06:56,370

for let me think three years three yes

142

00:06:59,930 --> 00:06:58,380

three years they keep I keep fooling

143

00:07:02,450 --> 00:06:59,940

them into asking you back somehow I

144

00:07:06,140 --> 00:07:02,460

don't I I yeah it's it's been an

145

00:07:08,990 --> 00:07:06,150

unbelievable ride it's a strange honor

146

00:07:11,270 --> 00:07:09,000

and it still boggles my mind that that

147

00:07:13,460 --> 00:07:11,280

I'm standing there amongst my heroes and

148

00:07:14,930 --> 00:07:13,470

I get to introduce them and and tell

149

00:07:19,010 --> 00:07:14,940

them to stop talking that's always the

150

00:07:20,810 --> 00:07:19,020

fun bit too got stubble you know someone

151

00:07:22,190 --> 00:07:20,820

who's literally every every word you've

152

00:07:23,570 --> 00:07:22,200

ever written I've read and have

153

00:07:25,220 --> 00:07:23,580

memorized or tried to memorize and

154

00:07:26,360 --> 00:07:25,230

they're going three minutes over and I

155

00:07:28,600 --> 00:07:26,370

have to kind of walk up and be like now

156

00:07:31,760 --> 00:07:28,610

you're done I'm gonna move on sorry yeah

157

00:07:34,580 --> 00:07:31,770

the strange was a strange position of

158

00:07:35,930 --> 00:07:34,590

power to be in but but it's yet it's

159

00:07:37,760 --> 00:07:35,940

it's tam as you

160

00:07:40,730 --> 00:07:37,770

tim is just is just the best and the

161

00:07:44,390 --> 00:07:40,740

last time I saw you we were sitting in a

162

00:07:47,180 --> 00:07:44,400

lounge singing standards oh yeah with

163

00:07:49,850 --> 00:07:47,190

with a bunch of skeptics yeah one of the

164

00:07:51,410 --> 00:07:49,860

most fun times I've had in a quite a

165

00:07:53,780 --> 00:07:51,420

long time that was that was really a

166

00:07:55,610 --> 00:07:53,790

special fund fun night you know what

167

00:07:58,280 --> 00:07:55,620

it's it that that was that was just

168

00:08:00,620 --> 00:07:58,290

fantastic but for me especially and I

169

00:08:03,800 --> 00:08:00,630

guess for you too of course it was the

170

00:08:05,540 --> 00:08:03,810

one time at tam where we both I guess

171

00:08:09,830 --> 00:08:05,550

could really relax because you were

172

00:08:11,030 --> 00:08:09,840

obviously busy doing the MC job I was

173

00:08:12,800 --> 00:08:11,040

quite concerned with a million-dollar

174

00:08:15,230 --> 00:08:12,810

challenge and it wasn't until the booze

175

00:08:17,900 --> 00:08:15,240

all over that I could forget everything

176

00:08:19,820 --> 00:08:17,910

all my responsibilities right oddly

177

00:08:22,010 --> 00:08:19,830

enough it's at the very end the last the

178

00:08:24,290 --> 00:08:22,020

last what fiftieth of the weekend you

179

00:08:27,550 --> 00:08:24,300

sort of relaxed and it relax and enjoy

180

00:08:31,280 --> 00:08:27,560

it but I I very much appreciated your

181

00:08:33,770 --> 00:08:31,290

your explanation of waltzing matilda

182

00:08:35,360 --> 00:08:33,780

your line by line explanation of

183

00:08:37,070 --> 00:08:35,370

waltzing matilda was really really

184

00:08:39,320 --> 00:08:37,080

valuable to me and I appreciate it oh

185

00:08:42,020 --> 00:08:39,330

I'm glad I could enlighten you George

186

00:08:44,570 --> 00:08:42,030

that's right I don't you remember that

187

00:08:46,970 --> 00:08:44,580

but yeah but it was vaguely I don't know

188

00:08:49,460 --> 00:08:46,980

it we saying so many songs that night

189

00:08:53,300 --> 00:08:49,470

you know what struck me I I play the

190

00:08:56,690 --> 00:08:53,310

guitar myself and many years ago when I

191

00:08:58,790 --> 00:08:56,700

worked another another job I was working

192

00:09:00,800 --> 00:08:58,800

in a backpackers hostel I'd get out the

193

00:09:02,600 --> 00:09:00,810

guitar and night and you know the

194

00:09:04,040 --> 00:09:02,610

backpackers would want to sing this song

195

00:09:06,500 --> 00:09:04,050

or that song and I'd be looking through

196

00:09:08,720 --> 00:09:06,510

books if I had them or whatever I could

197

00:09:10,610 --> 00:09:08,730

remember and I'm sitting there and

198

00:09:13,880 --> 00:09:10,620

you've got your iPad in front of you and

199

00:09:16,250 --> 00:09:13,890

whatever people wanted to hear or sing

200

00:09:20,180 --> 00:09:16,260

along to you go to call it up and away

201

00:09:22,550 --> 00:09:20,190

we'd go that's just fantastic it's

202

00:09:24,670 --> 00:09:22,560

insane I mean it's insane that that not

203

00:09:27,770 --> 00:09:24,680

only it was this lovely sort of ipad

204

00:09:29,690 --> 00:09:27,780

farm that we had going where I would

205

00:09:31,160 --> 00:09:29,700

look up the cords to a song and then

206

00:09:32,450 --> 00:09:31,170

someone else would look at the lyrics or

207

00:09:33,920 --> 00:09:32,460

multiple people would look at the lyrics

208

00:09:36,220 --> 00:09:33,930

and then you kind of spread it out and

209

00:09:39,410 --> 00:09:36,230

it was just this ultimate live karaoke

210

00:09:41,240 --> 00:09:39,420

interweb explosion of happiness and yeah

211

00:09:43,460 --> 00:09:41,250

it's one of the one of the beautiful

212

00:09:45,079 --> 00:09:43,470

things of the web is that there is such

213

00:09:46,820 --> 00:09:45,089

a resource now between I mean I have a

214

00:09:48,140 --> 00:09:46,830

couple apps that have lots of songs on

215

00:09:49,160 --> 00:09:48,150

them you know chord changes and things

216

00:09:50,810 --> 00:09:49,170

but you

217

00:09:52,910 --> 00:09:50,820

really can just I mean you just Google

218

00:09:55,610 --> 00:09:52,920

you know any name of any song and the

219

00:09:56,900 --> 00:09:55,620

word chords after it and ninety-eight

220

00:09:58,069 --> 00:09:56,910

percent of the time you're going to find

221

00:09:59,870 --> 00:09:58,079

something I might not be totally

222

00:10:02,420 --> 00:09:59,880

accurate but it'll get you started so

223

00:10:03,769 --> 00:10:02,430

yeah yeah that's that was really

224

00:10:06,500 --> 00:10:03,779

impressive and it's certainly a big

225

00:10:07,850 --> 00:10:06,510

change from 20 years ago when if I

226

00:10:09,199 --> 00:10:07,860

didn't know what the song was and I

227

00:10:10,939 --> 00:10:09,209

didn't have a book with it which was

228

00:10:13,850 --> 00:10:10,949

usually the case and I'd say well no

229

00:10:16,250 --> 00:10:13,860

let's play another song right now let's

230

00:10:19,100 --> 00:10:16,260

speak about nexus this is very exciting

231

00:10:22,040 --> 00:10:19,110

because I'm I'm working myself up I'm

232

00:10:24,889 --> 00:10:22,050

keen to I'm trying to I'm attempting to

233

00:10:27,590 --> 00:10:24,899

be there for the first time which is the

234

00:10:29,360 --> 00:10:27,600

the conference there in New York I've

235

00:10:32,120 --> 00:10:29,370

heard such good things about it but it's

236

00:10:33,290 --> 00:10:32,130

not quite at am is it it's not quite at

237

00:10:35,000 --> 00:10:33,300

em and it has a little bit of a

238

00:10:37,490 --> 00:10:35,010

different vibe from a tam it's it's it's

239

00:10:40,879 --> 00:10:37,500

not as big which is sort of nice in a

240

00:10:42,410 --> 00:10:40,889

way the the the Nexus ease that I've

241

00:10:44,629 --> 00:10:42,420

experienced the next I that I've

242

00:10:47,329 --> 00:10:44,639

experienced have all been unique and fun

243

00:10:49,370 --> 00:10:47,339

there's some nice evening activities to

244

00:10:53,150 --> 00:10:49,380

that are kind of incorporated involving

245

00:10:56,420 --> 00:10:53,160

different sort of skeptical ruler

246

00:10:58,370 --> 00:10:56,430

scientific related things some artistic

247

00:11:01,180 --> 00:10:58,380

things it's it's a it's a really nice

248

00:11:03,139 --> 00:11:01,190

vibe it's a very kind of New York vibe

249

00:11:04,310 --> 00:11:03,149

which I it's hard to explain the

250

00:11:07,430 --> 00:11:04,320

difference between kind of like a las

251
00:11:10,370 --> 00:11:07,440
vegas crowd and a New York crowd but I I

252
00:11:11,990 --> 00:11:10,380
thoroughly enjoy Nexus very much of

253
00:11:14,210 --> 00:11:12,000
course you know then anything that the

254
00:11:16,160 --> 00:11:14,220
sort of the novellas are involved in

255
00:11:17,960 --> 00:11:16,170
usually has a certain level of quality

256
00:11:20,810 --> 00:11:17,970
that you are guaranteed to have so

257
00:11:22,340 --> 00:11:20,820
that's always nice and yeah I'm looking

258
00:11:23,660 --> 00:11:22,350
forward to it as always and and it'll be

259
00:11:25,220 --> 00:11:23,670
great it'll be your first time so

260
00:11:27,380 --> 00:11:25,230
hopefully that can happen hopefully you

261
00:11:30,050 --> 00:11:27,390
can come and and experience all that is

262
00:11:31,880 --> 00:11:30,060
New York I i interviewed Evan Bernstein

263
00:11:33,949 --> 00:11:31,890

a couple of weeks ago and I said I have

264

00:11:35,600 --> 00:11:33,959

no fear about walking around New York

265

00:11:37,579 --> 00:11:35,610

because I'll have George Arab to protect

266

00:11:41,840 --> 00:11:37,589

me that's it yeah you'll be you'll be

267

00:11:43,880 --> 00:11:41,850

good and yeah good as long as you can

268

00:11:46,309 --> 00:11:43,890

run as fast as I can you'll be fine so

269

00:11:49,819 --> 00:11:46,319

yeah I I'll just follow you that's it

270

00:11:52,430 --> 00:11:49,829

exactly exactly yeah so that's that's

271

00:11:55,309 --> 00:11:52,440

very exciting because I do enjoy and I

272

00:11:57,259 --> 00:11:55,319

know you doing do enjoy the conventions

273

00:12:01,160 --> 00:11:57,269

because not only is it a chance to see

274

00:12:02,930 --> 00:12:01,170

old friends but we can also as I like to

275

00:12:04,940 --> 00:12:02,940

say we can also be part of the

276

00:12:08,510 --> 00:12:04,950

why we can sit there and listen to other

277

00:12:10,790 --> 00:12:08,520

people in part such interesting and new

278

00:12:11,960 --> 00:12:10,800

information yeah there's always some

279

00:12:14,000 --> 00:12:11,970

little bit of something that you've

280

00:12:16,210 --> 00:12:14,010

never quite thought about or some

281

00:12:18,820 --> 00:12:16,220

information or some study or some

282

00:12:21,290 --> 00:12:18,830

perspective that you've never sort of

283

00:12:23,270 --> 00:12:21,300

pictured or had in your mind before that

284

00:12:25,010 --> 00:12:23,280

always comes across at these these

285

00:12:28,640 --> 00:12:25,020

conventions and it's always like you

286

00:12:31,010 --> 00:12:28,650

know to meet a new idea is this

287

00:12:33,380 --> 00:12:31,020

invaluable thing so if you spend an

288

00:12:36,080 --> 00:12:33,390

entire weekend somewhere and you get

289

00:12:38,630 --> 00:12:36,090

literally like one or two new ideas in

290

00:12:41,510 --> 00:12:38,640

your head I mean that to me is priceless

291

00:12:42,830 --> 00:12:41,520

I think that's that's such a cool cool

292

00:12:44,450 --> 00:12:42,840

thing to have and it's something that's

293

00:12:46,190 --> 00:12:44,460

that's very unique to an event like that

294

00:12:47,840 --> 00:12:46,200

that you might get this different

295

00:12:49,250 --> 00:12:47,850

perspective on something or just be like

296

00:12:51,200 --> 00:12:49,260

I've never thought of it that way or wow

297

00:12:53,930 --> 00:12:51,210

what a cool piece of information I can

298

00:12:55,880 --> 00:12:53,940

use this in whatever how I approach

299

00:12:58,100 --> 00:12:55,890

things or how I debate things or how I

300

00:12:59,930 --> 00:12:58,110

argue things are and it's you're

301
00:13:02,210 --> 00:12:59,940
guaranteed and usually this happens like

302
00:13:04,640 --> 00:13:02,220
once per talk if not you know if not

303
00:13:07,550 --> 00:13:04,650
once per day so it's it's really cool I

304
00:13:09,920 --> 00:13:07,560
did and just to give our listeners a

305
00:13:12,230 --> 00:13:09,930
little bit of an insight into something

306
00:13:18,290 --> 00:13:12,240
like a big event like a Tamara or Nexus

307
00:13:21,140 --> 00:13:18,300
when i was about to talk at last time my

308
00:13:22,880 --> 00:13:21,150
main talk on the stage they're backstage

309
00:13:24,620 --> 00:13:22,890
with you it's always quite amusing

310
00:13:27,680 --> 00:13:24,630
because we're sort of talking in low

311
00:13:30,290 --> 00:13:27,690
tones so we don't you know spoil the

312
00:13:32,870 --> 00:13:30,300
illusion of whatever it is and we're

313
00:13:35,870 --> 00:13:32,880

trying to make jokes and it's it's it's

314

00:13:38,960 --> 00:13:35,880

um it's a unique experience isn't it the

315

00:13:41,210 --> 00:13:38,970

the backstage has always fascinated me

316

00:13:43,790 --> 00:13:41,220

the sort of the line where the

317

00:13:46,670 --> 00:13:43,800

proscenium starts and the backstage

318

00:13:51,110 --> 00:13:46,680

stops that you know that one and a half

319

00:13:54,350 --> 00:13:51,120

two feet is is sort of philosophically

320

00:13:56,540 --> 00:13:54,360

so interesting that you literally see

321

00:13:58,760 --> 00:13:56,550

people sort of become their stage

322

00:14:01,490 --> 00:13:58,770

persona as they step across this magic

323

00:14:04,820 --> 00:14:01,500

line yeah I love it is someone that

324

00:14:08,329 --> 00:14:04,830

performs I I love that because that's

325

00:14:10,040 --> 00:14:08,339

about as close to sort of actual magic

326

00:14:12,740 --> 00:14:10,050

as you get in terms of the

327

00:14:16,199 --> 00:14:12,750

transformation of someone or like a

328

00:14:18,840 --> 00:14:16,209

space being like a magical space

329

00:14:21,480 --> 00:14:18,850

so I the whole backstage thing is always

330

00:14:24,150 --> 00:14:21,490

fun i i i kind of take it upon myself to

331

00:14:25,679 --> 00:14:24,160

try to help you know a person is going

332

00:14:27,509 --> 00:14:25,689

to be speaking if they're an experienced

333

00:14:28,829 --> 00:14:27,519

speaker then it's fine very often at Tim

334

00:14:30,359 --> 00:14:28,839

you have people that are speaking for

335

00:14:31,949 --> 00:14:30,369

the first time in front of a thousand

336

00:14:34,109 --> 00:14:31,959

people you know you might have someone

337

00:14:36,749 --> 00:14:34,119

that has done lectures for 20 30 100

338

00:14:38,160 --> 00:14:36,759

people but when someone is going to be

339

00:14:40,100 --> 00:14:38,170

in front of 300 people for the first

340

00:14:42,509 --> 00:14:40,110

time they can get they can get quite

341

00:14:44,449 --> 00:14:42,519

rightfully intimidated and nervous and

342

00:14:47,100 --> 00:14:44,459

it's always it's always a fun

343

00:14:48,989 --> 00:14:47,110

hospitality challenge for me to let them

344

00:14:50,519 --> 00:14:48,999

relax let them know like it's going to

345

00:14:52,499 --> 00:14:50,529

be fine it's going to be great you know

346

00:14:54,419 --> 00:14:52,509

you're prepared these people want you to

347

00:14:58,230 --> 00:14:54,429

do well the audience wants you to do

348

00:15:01,410 --> 00:14:58,240

well and to if I can impart a little bit

349

00:15:03,119 --> 00:15:01,420

of comfort into someone that's gonna be

350

00:15:04,949 --> 00:15:03,129

doing a talk it always makes me very

351

00:15:07,259 --> 00:15:04,959

happy and that's kind of that's kind of

352

00:15:08,579 --> 00:15:07,269

part of the unseen job that I have yeah

353

00:15:10,340 --> 00:15:08,589

I get to go out on stage and be silly

354

00:15:12,989 --> 00:15:10,350

and do stupid segues and whatever but

355

00:15:15,869 --> 00:15:12,999

the real fun for me sometimes is to meet

356

00:15:17,460 --> 00:15:15,879

someone backstage help them kind of just

357

00:15:19,559 --> 00:15:17,470

get slightly prepped and then you know

358

00:15:21,329 --> 00:15:19,569

write a haiku or a song about them in a

359

00:15:23,549 --> 00:15:21,339

few minutes and then present in it so

360

00:15:27,090 --> 00:15:23,559

yeah I love it I love it it's it's such

361

00:15:30,419 --> 00:15:27,100

a unique I I really do feel like I'm

362

00:15:33,449 --> 00:15:30,429

kind of a fan ambassador you know in a

363

00:15:35,669 --> 00:15:33,459

weird way that I'm still such a fanboy

364

00:15:38,069 --> 00:15:35,679

of so many of these speakers and

365

00:15:41,009 --> 00:15:38,079

presenters and so many of the concepts

366

00:15:44,400 --> 00:15:41,019

that are being presented that I get to

367

00:15:47,309 --> 00:15:44,410

represent the sort of the regular

368

00:15:50,579 --> 00:15:47,319

attendee and and I act like this I'm

369

00:15:54,929 --> 00:15:50,589

like a little you know ambassador just

370

00:15:56,789 --> 00:15:54,939

this this sort of this island of reality

371

00:15:59,879 --> 00:15:56,799

and fandom that's backstage that gets to

372

00:16:01,410 --> 00:15:59,889

observe and I always like to report sort

373

00:16:03,859 --> 00:16:01,420

of what it's like and what people are

374

00:16:07,169 --> 00:16:03,869

actually like and and it's so it's so

375

00:16:11,460 --> 00:16:07,179

pleasant to say that for the vast

376

00:16:13,739 --> 00:16:11,470

majority people are as cool as you would

377

00:16:15,509 --> 00:16:13,749

hope they are you know like you know

378

00:16:16,919 --> 00:16:15,519

you've read someone's book and you hope

379

00:16:18,239 --> 00:16:16,929

they're just nice and then you get to

380

00:16:20,100 --> 00:16:18,249

meet them and you realize oh they're

381

00:16:21,329 --> 00:16:20,110

actually nicer than you would think you

382

00:16:23,429 --> 00:16:21,339

know whether again whether it's you

383

00:16:24,720 --> 00:16:23,439

whether it's any any of the people that

384

00:16:27,329 --> 00:16:24,730

have become my friends whether it's the

385

00:16:29,879 --> 00:16:27,339

novellas or what you know it's just so

386

00:16:31,319 --> 00:16:29,889

great to kind of have

387

00:16:33,809 --> 00:16:31,329

confirmation that all these are cool

388

00:16:35,460 --> 00:16:33,819

people like yeah there's no just note

389

00:16:37,079 --> 00:16:35,470

there's very very few jerks yes there

390

00:16:39,359 --> 00:16:37,089

are jerks but there's very minute part

391

00:16:41,099 --> 00:16:39,369

for me there's a very few jerks that are

392

00:16:42,949 --> 00:16:41,109

that are at these events and it's just

393

00:16:46,039 --> 00:16:42,959

it's just nice to get that confirmation

394

00:16:49,199 --> 00:16:46,049

but you're performing in your

395

00:16:51,809 --> 00:16:49,209

musicianship is quite something and I've

396

00:16:54,720 --> 00:16:51,819

been to one of your little concerts and

397

00:16:56,159 --> 00:16:54,730

what I mean by that is the intimate ones

398

00:16:58,530 --> 00:16:56,169

in a pub or something like that where

399

00:17:00,989 --> 00:16:58,540

it's just you and a microphone and a

400

00:17:02,369 --> 00:17:00,999

guitar away you go and I thoroughly

401
00:17:05,129 --> 00:17:02,379
enjoyed those because you're seeing all

402
00:17:07,740 --> 00:17:05,139
your hits but what I haven't seen and

403
00:17:09,559 --> 00:17:07,750
what I hope I will see at some stages

404
00:17:12,179 --> 00:17:09,569
the full-blown thing this whole

405
00:17:14,039 --> 00:17:12,189
performing with the Philadelphia thunk

406
00:17:16,559 --> 00:17:14,049
Authority say that's six times quickly

407
00:17:17,870 --> 00:17:16,569
yeah what what's that like as an

408
00:17:21,029 --> 00:17:17,880
experience that must be just

409
00:17:23,970 --> 00:17:21,039
mind-blowing it is it is tremendous it's

410
00:17:25,980 --> 00:17:23,980
it's you know to be in a large band that

411
00:17:28,919 --> 00:17:25,990
band is anywhere from nine to like 11

412
00:17:31,289 --> 00:17:28,929
pieces to being a large band that plays

413
00:17:33,180 --> 00:17:31,299

well and that is tight and it has a fun

414

00:17:35,730 --> 00:17:33,190

performance and as an audience that is

415

00:17:38,279 --> 00:17:35,740

receptive and is playing material that

416

00:17:40,740 --> 00:17:38,289

is just so fun and interesting and

417

00:17:44,159 --> 00:17:40,750

always gets a great response is it's the

418

00:17:45,779 --> 00:17:44,169

best for the fact that and I say this

419

00:17:48,810 --> 00:17:45,789

all the time but the fact that that is

420

00:17:51,389 --> 00:17:48,820

my quote unquote day job that is my gig

421

00:17:54,120 --> 00:17:51,399

you know to play drums in this band is

422

00:17:57,029 --> 00:17:54,130

is beyond exciting and special and I

423

00:17:59,039 --> 00:17:57,039

know and realize how fortunate I am to

424

00:18:01,919 --> 00:17:59,049

be in an organization like that I mean

425

00:18:06,180 --> 00:18:01,929

it's a band that I played drums in we

426

00:18:08,370 --> 00:18:06,190

specialize in soul R&B funk music stuff

427

00:18:12,090 --> 00:18:08,380

that's designed to make people dance and

428

00:18:13,620 --> 00:18:12,100

have a good time we try to recreate you

429

00:18:15,870 --> 00:18:13,630

know all of these incredible songs from

430

00:18:17,519 --> 00:18:15,880

the 70s and 80s and 90s and Beyond but

431

00:18:21,509 --> 00:18:17,529

mostly we sort of focus on Motown and

432

00:18:24,149 --> 00:18:21,519

70s you know a time when you had actual

433

00:18:25,409 --> 00:18:24,159

human beings on stage performing and

434

00:18:27,810 --> 00:18:25,419

playing and playing their instruments

435

00:18:30,299 --> 00:18:27,820

for real and we really pride ourselves

436

00:18:32,100 --> 00:18:30,309

that you know we've got three horn

437

00:18:33,840 --> 00:18:32,110

players then they're playing these parts

438

00:18:35,669 --> 00:18:33,850

and they're they're playing their brains

439

00:18:37,190 --> 00:18:35,679

out trying to make these things sound

440

00:18:39,659 --> 00:18:37,200

good and it and there's there's there's

441

00:18:40,919 --> 00:18:39,669

nothing quite like having nine

442

00:18:42,220 --> 00:18:40,929

individuals play their instruments

443

00:18:46,150 --> 00:18:42,230

really really well

444

00:18:48,490 --> 00:18:46,160

and and and kind of gel into this this

445

00:18:49,900 --> 00:18:48,500

event it's it's it's the best I i I'm

446

00:18:52,240 --> 00:18:49,910

marvel that we just had a park concert

447

00:18:54,549 --> 00:18:52,250

one of our last as the as the season

448

00:18:58,120 --> 00:18:54,559

sort of as the warmer season ends up

449

00:18:59,860 --> 00:18:58,130

here in the States we do fewer and fewer

450

00:19:01,510 --> 00:18:59,870

Park concerts and one of our last ones

451
00:19:04,480 --> 00:19:01,520
was like last about a week and a half

452
00:19:06,789 --> 00:19:04,490
ago and you know it was 2,000 people in

453
00:19:09,090 --> 00:19:06,799
the audience we're playing on this huge

454
00:19:11,590 --> 00:19:09,100
beautiful stage a great sound system and

455
00:19:13,210 --> 00:19:11,600
we're just destroying and I and I kind

456
00:19:16,090 --> 00:19:13,220
of looked over it at some other players

457
00:19:18,580 --> 00:19:16,100
and just I'm still amazed that this is

458
00:19:19,990 --> 00:19:18,590
my day job you know this is this is what

459
00:19:23,230 --> 00:19:20,000
we do and it was just it's just great

460
00:19:27,159 --> 00:19:23,240
it's just as magical as that backstage

461
00:19:29,890 --> 00:19:27,169
area is when once to twice a night you

462
00:19:32,740 --> 00:19:29,900
get about 15 to 20 seconds of everything

463
00:19:37,600 --> 00:19:32,750

really perfectly lining up and you find

464

00:19:39,730 --> 00:19:37,610

the groove and the groove just it it

465

00:19:41,289 --> 00:19:39,740

just destroys you it just it literally

466

00:19:44,560 --> 00:19:41,299

gives you chills I mean tonight and I it

467

00:19:46,870 --> 00:19:44,570

happens like I said if it happens for 20

468

00:19:49,360 --> 00:19:46,880

seconds in one for our show it's a good

469

00:19:52,570 --> 00:19:49,370

night hmm you get this you get this

470

00:19:55,690 --> 00:19:52,580

thing and it's just it is so unique to

471

00:19:57,460 --> 00:19:55,700

playing to creating art and creating

472

00:19:59,860 --> 00:19:57,470

music in the moment and I just I love it

473

00:20:01,690 --> 00:19:59,870

i'm completely addicted i'm completely

474

00:20:04,780 --> 00:20:01,700

addicted well that's your day job i

475

00:20:06,669 --> 00:20:04,790

guess we could say but also you're known

476

00:20:08,740 --> 00:20:06,679

all around the world for the geologic

477

00:20:11,140 --> 00:20:08,750

podcast goodness me how long has that

478

00:20:12,970 --> 00:20:11,150

been going now it's like six years now i

479

00:20:14,470 --> 00:20:12,980

can't i can't believe it I can't believe

480

00:20:20,049 --> 00:20:14,480

it we just crossed three hundred shows

481

00:20:21,730 --> 00:20:20,059

what about 133 shows it's nuts I'll never

482

00:20:23,560 --> 00:20:21,740

thought it would go this long I never

483

00:20:25,330 --> 00:20:23,570

thought I would get the response that I

484

00:20:27,760 --> 00:20:25,340

get I never thought that you know

485

00:20:31,120 --> 00:20:27,770

because of the show I would get to be

486

00:20:33,430 --> 00:20:31,130

you know in Brisbane playing a solo gig

487

00:20:35,350 --> 00:20:33,440

I mean which is literally it's because

488

00:20:39,460 --> 00:20:35,360

of the show that that you got to see me

489

00:20:42,430 --> 00:20:39,470

play in a pub you know uh in Australia

490

00:20:46,240 --> 00:20:42,440

it's it's just it's again I'm just so

491

00:20:48,370 --> 00:20:46,250

fortunate was it originally a skeptical

492

00:20:51,190 --> 00:20:48,380

show or just a George Rob show or a

493

00:20:52,899 --> 00:20:51,200

musical yeah and it's still it's still

494

00:20:54,310 --> 00:20:52,909

not really it to me it's not a skeptical

495

00:20:55,420 --> 00:20:54,320

show it's a show that's done by a guy

496

00:20:58,570 --> 00:20:55,430

who's a skeptic

497

00:21:00,160 --> 00:20:58,580

I i I've never though I want to say the

498

00:21:02,380 --> 00:21:00,170

last thing I thought was that it would

499

00:21:03,970 --> 00:21:02,390

be a skeptical show but it was I knew it

500

00:21:06,160 --> 00:21:03,980

was going to be through the prism of a

501
00:21:08,710 --> 00:21:06,170
guy that has a certain amount of sort of

502
00:21:11,380 --> 00:21:08,720
skepticism a large amount of skepticism

503
00:21:14,170 --> 00:21:11,390
but then everything he does but I never

504
00:21:16,900 --> 00:21:14,180
intended it to be you know science

505
00:21:19,210 --> 00:21:16,910
skepticism show comedy podcast show it

506
00:21:20,590 --> 00:21:19,220
was just me blathering about stuff and

507
00:21:22,060 --> 00:21:20,600
the stuff that I find interesting a lot

508
00:21:24,520 --> 00:21:22,070
of it happens to deal with science and

509
00:21:27,100 --> 00:21:24,530
skepticism and critical thinking and I

510
00:21:31,870 --> 00:21:27,110
still I still you know to me it's it's

511
00:21:33,490 --> 00:21:31,880
it is a brain sorbet you know that if

512
00:21:35,530 --> 00:21:33,500
you're into skepticism and you're into

513
00:21:37,420 --> 00:21:35,540

science and you want like another show

514

00:21:40,540 --> 00:21:37,430

along those lines but you don't want it

515

00:21:41,860 --> 00:21:40,550

to be super hard hitting skepticism you

516

00:21:43,300 --> 00:21:41,870

listen to me be silly for a little bit

517

00:21:45,220 --> 00:21:43,310

maybe tell a few stories about playing

518

00:21:48,610 --> 00:21:45,230

in bands or some observation or talk to

519

00:21:50,440 --> 00:21:48,620

my mom or whatever and you know that

520

00:21:53,260 --> 00:21:50,450

it's gonna it's you're not going to

521

00:21:55,330 --> 00:21:53,270

cringe you'll cringe for for many

522

00:21:57,370 --> 00:21:55,340

reasons but you will never cringe

523

00:21:59,200 --> 00:21:57,380

because the science is bad or because

524

00:22:01,690 --> 00:21:59,210

I'm talking about energy or I'm talking

525

00:22:04,150 --> 00:22:01,700

about ghosts or sometime credulous right

526

00:22:06,880 --> 00:22:04,160

so I think it provides a certain you can

527

00:22:08,920 --> 00:22:06,890

relax and just you can cringe at me

528

00:22:11,080 --> 00:22:08,930

being embarrassed with some situation

529

00:22:13,450 --> 00:22:11,090

that has occurred but the cringing will

530

00:22:17,430 --> 00:22:13,460

never be like oh boy another example of

531

00:22:19,900 --> 00:22:17,440

a credulous you know person not not

532

00:22:21,730 --> 00:22:19,910

questioning a ghost story or whatever so

533

00:22:24,010 --> 00:22:21,740

I think that's that's been my role

534

00:22:25,480 --> 00:22:24,020

within the skeptic kind of community or

535

00:22:28,000 --> 00:22:25,490

the science podcast community and I

536

00:22:30,100 --> 00:22:28,010

gladly sort of take that role but I've

537

00:22:31,690 --> 00:22:30,110

never and I have to have to remind

538

00:22:33,130 --> 00:22:31,700

people of that sometimes when I get

539

00:22:35,290 --> 00:22:33,140

emails about you know why aren't you

540

00:22:38,500 --> 00:22:35,300

talking about this or or why don't you

541

00:22:40,450 --> 00:22:38,510

interview these people or why isn't

542

00:22:42,790 --> 00:22:40,460

there more science or whatever it's kind

543

00:22:45,280 --> 00:22:42,800

of like you know this was never meant to

544

00:22:48,400 --> 00:22:45,290

be that I don't I don't want it to

545

00:22:51,010 --> 00:22:48,410

solely be that and if I want to have an

546

00:22:52,990 --> 00:22:51,020

interlude where I try to recreate all

547

00:22:54,550 --> 00:22:53,000

the parts of a pink floyd album like I'm

548

00:22:56,800 --> 00:22:54,560

gonna do it because it's my prerogative

549

00:22:59,620 --> 00:22:56,810

you know and unfortunately there's

550

00:23:02,410 --> 00:22:59,630

enough weirdos out there that enjoy that

551
00:23:04,360 --> 00:23:02,420
kind of programming so I'm very lucky by

552
00:23:06,910 --> 00:23:04,370
the time I had in Australia those

553
00:23:08,380 --> 00:23:06,920
whatever that was nine days I had I mean

554
00:23:11,410 --> 00:23:08,390
in terms of overall

555
00:23:13,690 --> 00:23:11,420
all nine days of awesomeness it's

556
00:23:15,550 --> 00:23:13,700
amongst the nut best nine days of my

557
00:23:17,740 --> 00:23:15,560
life it's just I've had events I've had

558
00:23:19,240 --> 00:23:17,750
I've had concerts and individual sort of

559
00:23:21,160 --> 00:23:19,250
things that have happened that have been

560
00:23:23,440 --> 00:23:21,170
amazing throughout my life I'm very

561
00:23:25,660 --> 00:23:23,450
lucky in that way but boy to go to

562
00:23:27,820 --> 00:23:25,670
Melbourne and and and brisbane and

563
00:23:31,630 --> 00:23:27,830

sydney and adelaide and christchurch and

564

00:23:33,370 --> 00:23:31,640

cans and visit all these places it was

565

00:23:35,980 --> 00:23:33,380

just and to have the reception I did I

566

00:23:38,410 --> 00:23:35,990

can't wait to get back I can't wait to

567

00:23:39,940 --> 00:23:38,420

get back it's been far too long George

568

00:23:42,130 --> 00:23:39,950

it's been far too long I think you

569

00:23:45,190 --> 00:23:42,140

should start eyeing up a possible return

570

00:23:46,410 --> 00:23:45,200

visit ok i will i will start planning i

571

00:23:49,870 --> 00:23:46,420

will start saving the pennies now

572

00:23:51,760 --> 00:23:49,880

although in the meantime if people in

573

00:23:53,890 --> 00:23:51,770

Australia are interested to see kind of

574

00:23:55,690 --> 00:23:53,900

what I'm about or what first off they

575

00:23:58,270 --> 00:23:55,700

can of course continue to the geologic

576

00:24:01,000 --> 00:23:58,280

podcast every week geologic podcast calm

577

00:24:03,640 --> 00:24:01,010

if they haven't yet already but I have

578

00:24:06,010 --> 00:24:03,650

this new DVD out that I'm really really

579

00:24:09,010 --> 00:24:06,020

proud of and really happy it's called to

580

00:24:10,870 --> 00:24:09,020

1812 and it's it features the geologic

581

00:24:12,700 --> 00:24:10,880

Orchestra which is kind of like the funk

582

00:24:14,740 --> 00:24:12,710

band it's a lot of the same guys that

583

00:24:17,650 --> 00:24:14,750

are in the funk band but they're doing

584

00:24:19,690 --> 00:24:17,660

my material we filmed a two and a half

585

00:24:23,770 --> 00:24:19,700

hour concert about a year and a half ago

586

00:24:25,600 --> 00:24:23,780

and are the DVD is out it features a

587

00:24:29,110 --> 00:24:25,610

bunch of my songs and it also features

588

00:24:31,270 --> 00:24:29,120

our mutual friend phil plait uh-huh who

589

00:24:33,100 --> 00:24:31,280

does he does the it does he sings on one

590

00:24:35,170 --> 00:24:33,110

of the songs are he he narrates one of

591

00:24:37,090 --> 00:24:35,180

the songs i should say the one that's

592

00:24:38,740 --> 00:24:37,100

named after his book death from the

593

00:24:40,540 --> 00:24:38,750

skies alright so of course is called

594

00:24:43,120 --> 00:24:40,550

death from the skies and he does it live

595

00:24:46,570 --> 00:24:43,130

and it's it's it's a it's a really

596

00:24:49,300 --> 00:24:46,580

really cool sort of culmination of

597

00:24:52,780 --> 00:24:49,310

having the actual bad astronomer himself

598

00:24:55,330 --> 00:24:52,790

here in Bethlehem narrating this song

599

00:24:58,110 --> 00:24:55,340

about the ways that the ways the world

600

00:25:01,240 --> 00:24:58,120

could end through different astrological

601
00:25:04,840 --> 00:25:01,250
astronomical phenomena it's very very

602
00:25:08,350 --> 00:25:04,850
fun I have already sent a boatload of

603
00:25:09,790 --> 00:25:08,360
these to australia and the so far the

604
00:25:12,130 --> 00:25:09,800
the reviews have been very very positive

605
00:25:14,470 --> 00:25:12,140
which is very again warms my heart very

606
00:25:18,790 --> 00:25:14,480
much and how can people get a company of

607
00:25:22,000 --> 00:25:18,800
the DVD if they go to cdbaby.com /

608
00:25:25,570 --> 00:25:22,010
George Rob my name hre be George

609
00:25:28,120 --> 00:25:25,580
cdbaby.com / George Rob you can get the

610
00:25:30,460 --> 00:25:28,130
DVD sent right to your house and it's

611
00:25:32,980 --> 00:25:30,470
yeah you can also tune in to the

612
00:25:36,640 --> 00:25:32,990
geologic podcast and we have the first

613
00:25:39,820 --> 00:25:36,650

bought the first hour of audio was in my

614

00:25:40,900 --> 00:25:39,830

show for free you can just if you want

615

00:25:42,550 --> 00:25:40,910

to hear what it sounds like and see if

616

00:25:44,710 --> 00:25:42,560

it's interesting you can listen to it

617

00:25:47,140 --> 00:25:44,720

and then you can order it if you're if

618

00:25:49,090 --> 00:25:47,150

you're interested again it's a it's a

619

00:25:51,040 --> 00:25:49,100

fun it's a fun time it's a really I'm

620

00:25:53,380 --> 00:25:51,050

really pleased with it getting back to

621

00:25:56,470 --> 00:25:53,390

that idea of actual human beings

622

00:26:01,140 --> 00:25:56,480

performing actually performing live it's

623

00:26:03,820 --> 00:26:01,150

a it's a less less frequently seen thing

624

00:26:05,230 --> 00:26:03,830

and it's just nice a nice testament to

625

00:26:07,960 --> 00:26:05,240

the guys in the band and how well they

626
00:26:10,720 --> 00:26:07,970
play and how well the performance came

627
00:26:14,710 --> 00:26:10,730
across so check it out I'm very happy

628
00:26:18,520 --> 00:26:14,720
with it I I must admit I started

629
00:26:21,100 --> 00:26:18,530
listening to the 365 days of astronomy

630
00:26:24,100 --> 00:26:21,110
podcast when did that start way back in

631
00:26:26,560 --> 00:26:24,110
2008 I think and it took me a little

632
00:26:29,050 --> 00:26:26,570
while to realize that the theme song was

633
00:26:32,080 --> 00:26:29,060
actually you and I didn't it did this

634
00:26:34,510 --> 00:26:32,090
little nugget escape me until I saw the

635
00:26:40,270 --> 00:26:34,520
video clip and I thought why is George

636
00:26:43,060 --> 00:26:40,280
doing this oh it's here and I was so

637
00:26:45,850 --> 00:26:43,070
impressed that you went out there by

638
00:26:48,790 --> 00:26:45,860

yourself with a camera and made a really

639

00:26:51,190 --> 00:26:48,800

fun film clip I'm and I sort of it's

640

00:26:52,900 --> 00:26:51,200

sort of like you know I've seen it so

641

00:26:56,050 --> 00:26:52,910

many times now I sort of feel like it's

642

00:26:57,640 --> 00:26:56,060

Abbey Road if when I went to London 25

643

00:26:59,920 --> 00:26:57,650

years ago I walked across the zebra

644

00:27:02,110 --> 00:26:59,930

crossing an abbey road if I ever go due

645

00:27:04,300 --> 00:27:02,120

to Bethlehem I want to go to the rooftop

646

00:27:06,220 --> 00:27:04,310

where George arab boys wearing this

647

00:27:08,200 --> 00:27:06,230

silly we will do it my friend yes when I

648

00:27:09,490 --> 00:27:08,210

come to New York will take a day trip

649

00:27:10,870 --> 00:27:09,500

down a bath line and we'll get you on

650

00:27:12,250 --> 00:27:10,880

the rooftop and yeah you'll walk down

651
00:27:14,830 --> 00:27:12,260
Main Street well gets her on the rooftop

652
00:27:17,980 --> 00:27:14,840
yeah that that video was you know it was

653
00:27:20,860 --> 00:27:17,990
such a fun experiment to literally do a

654
00:27:22,780 --> 00:27:20,870
one man I mean I had no crew I had to

655
00:27:24,640 --> 00:27:22,790
set the camera up I had to walk into the

656
00:27:27,940 --> 00:27:24,650
shot I had to edit it all together and

657
00:27:29,380 --> 00:27:27,950
and you know another testament to

658
00:27:31,870 --> 00:27:29,390
technology you know the fact that a

659
00:27:33,910 --> 00:27:31,880
clueless drummer from Bethlehem can he

660
00:27:35,120 --> 00:27:33,920
can cut together a video that's that's

661
00:27:37,150 --> 00:27:35,130
thanks to Apple

662
00:27:40,160 --> 00:27:37,160
because it has very little to do with me

663
00:27:42,470 --> 00:27:40,170

it's the easies with which video

664

00:27:45,080 --> 00:27:42,480

production can be done nowadays yeah

665

00:27:48,680 --> 00:27:45,090

that thing has gotten some very lovely

666

00:27:50,840 --> 00:27:48,690

numbers of hits and responses kids love

667

00:27:54,410 --> 00:27:50,850

it thats that's to me which is so fun i

668

00:27:59,810 --> 00:27:54,420

mean i have parents send me videos of

669

00:28:02,450 --> 00:27:59,820

their kids dancing to my video i have

670

00:28:05,180 --> 00:28:02,460

probably a dozen or more video clips of

671

00:28:09,530 --> 00:28:05,190

children just I mean there is nothing

672

00:28:13,280 --> 00:28:09,540

more purely filled with joy than a kid

673

00:28:15,830 --> 00:28:13,290

just dancing you know five ten year olds

674

00:28:18,110 --> 00:28:15,840

whatever kids just just bugging and it's

675

00:28:19,850 --> 00:28:18,120

it's it's funny I do look back at that

676

00:28:22,190 --> 00:28:19,860

every now and then and i kind of think

677

00:28:23,600 --> 00:28:22,200

like how did i do that i have if i had

678

00:28:27,050 --> 00:28:23,610

to recreate that that would be that

679

00:28:28,340 --> 00:28:27,060

would be quite a quite a task to refill

680

00:28:30,320 --> 00:28:28,350

mitten tree and redo it but you know

681

00:28:33,440 --> 00:28:30,330

it's the it's the exuberance of

682

00:28:35,930 --> 00:28:33,450

ignorance you know the kind of you dive

683

00:28:38,900 --> 00:28:35,940

into a project not having any clue how

684

00:28:40,550 --> 00:28:38,910

difficult it is and your exuberance kind

685

00:28:43,640 --> 00:28:40,560

of carries you through it's almost like

686

00:28:45,230 --> 00:28:43,650

a you know inertia kind of carries you

687

00:28:47,180 --> 00:28:45,240

through the project and you realize how

688

00:28:50,000 --> 00:28:47,190

cool you know so when we were doing the

689

00:28:52,010 --> 00:28:50,010

218 went to DVD was a similar kind of

690

00:28:53,600 --> 00:28:52,020

thing you sort of you you you think you

691

00:28:56,630 --> 00:28:53,610

know what's going to be involved in

692

00:28:58,070 --> 00:28:56,640

doing a two plus our you know video

693

00:29:00,200 --> 00:28:58,080

shoot and then you get into the middle

694

00:29:03,080 --> 00:29:00,210

of it and it's like oh my gosh there is

695

00:29:04,610 --> 00:29:03,090

just so much to do but every step is

696

00:29:06,790 --> 00:29:04,620

exciting because it gets you one inch

697

00:29:10,340 --> 00:29:06,800

closer to the to the final product so

698

00:29:13,160 --> 00:29:10,350

well i'm a particular fan as you know of

699

00:29:15,740 --> 00:29:13,170

the the song fire Zeds i think it's a

700

00:29:18,260 --> 00:29:15,750

really really clever song it's so much

701

00:29:20,870 --> 00:29:18,270

so that far is the song that they

702

00:29:24,800 --> 00:29:20,880

listened to on the on the solar flare

703

00:29:27,670 --> 00:29:24,810

saying oh my gosh i'm so honored no

704

00:29:30,800 --> 00:29:27,680

honor yeah it's great well George um

705

00:29:32,690 --> 00:29:30,810

it's it's all good it's it's so fun to

706

00:29:35,240 --> 00:29:32,700

listen to geologic podcast and see or

707

00:29:38,030 --> 00:29:35,250

DVDs you're a man of many hats as we

708

00:29:41,630 --> 00:29:38,040

could see on the video I might say yes I

709

00:29:45,200 --> 00:29:41,640

literally really literally and I'm sure

710

00:29:47,330 --> 00:29:45,210

that we we normally catch up at least

711

00:29:49,080 --> 00:29:47,340

once if we're lucky sometimes if I'm

712

00:29:51,090 --> 00:29:49,090

like you sometimes twice a year

713

00:29:53,790 --> 00:29:51,100

I'm sure that's going to be the story

714

00:29:55,800 --> 00:29:53,800

for the next 20 years I know that funny

715

00:29:57,690 --> 00:29:55,810

and yet it's like no time has passed its

716

00:29:59,580 --> 00:29:57,700

like any any sort of you know family or

717

00:30:01,380 --> 00:29:59,590

for our good friendship it's I think

718

00:30:04,290 --> 00:30:01,390

it's that kind of relationship that you

719

00:30:06,150 --> 00:30:04,300

that you foster sort of in the trenches

720

00:30:08,310 --> 00:30:06,160

quote unquote those are the most special

721

00:30:10,170 --> 00:30:08,320

ones it's Maynard and I were just

722

00:30:13,680 --> 00:30:10,180

talking about this how like you know

723

00:30:17,250 --> 00:30:13,690

I've spoken to Maynard you know a total

724

00:30:19,530 --> 00:30:17,260

of seventy minutes maybe you know over

725

00:30:22,320 --> 00:30:19,540

the course of whatever five years maybe

726

00:30:24,300 --> 00:30:22,330

maybe 2-3 hours maybe if you if you add

727

00:30:26,040 --> 00:30:24,310

up all of our conversations and yet he

728

00:30:27,690 --> 00:30:26,050

feels like a relative and if I were to

729

00:30:29,220 --> 00:30:27,700

see him in the next five minutes we

730

00:30:31,500 --> 00:30:29,230

would totally just be on the same you

731

00:30:33,150 --> 00:30:31,510

know page same with you saying with all

732

00:30:35,460 --> 00:30:33,160

my all my sort of friends you know dr.

733

00:30:38,190 --> 00:30:35,470

rachy or or anybody that you sort of

734

00:30:40,230 --> 00:30:38,200

bump into once a year but it's just so

735

00:30:41,910 --> 00:30:40,240

nice that the that the conversation in

736

00:30:43,860 --> 00:30:41,920

the relationship just picks off exact

737

00:30:46,620 --> 00:30:43,870

picks up exactly where where it stopped

738

00:30:48,750 --> 00:30:46,630

and it's it's I'm very grateful for that

739

00:30:50,550 --> 00:30:48,760

and it's very it's very cool i keep

740

00:30:53,580 --> 00:30:50,560

using that term but there's it's just so

741

00:30:57,360 --> 00:30:53,590

cool it really is and it's like that for

742

00:30:58,950 --> 00:30:57,370

me when I these big events and it really

743

00:31:01,650 --> 00:30:58,960

is the only time I get to see people

744

00:31:04,080 --> 00:31:01,660

like you all the novellas or you know

745

00:31:05,790 --> 00:31:04,090

lots of the gang we might say and it is

746

00:31:08,150 --> 00:31:05,800

it's like oh here we are again what were

747

00:31:10,860 --> 00:31:08,160

we saying and it's it's it's quite funny

748

00:31:13,500 --> 00:31:10,870

right right i think the podcasts also

749

00:31:16,290 --> 00:31:13,510

provide a lovely opportunity to kind of

750

00:31:18,390 --> 00:31:16,300

stay in touch you know on a weekly basis

751
00:31:20,280 --> 00:31:18,400
without staying in touch yeah you know

752
00:31:21,660 --> 00:31:20,290
so you know I know what you're up to I

753
00:31:23,760 --> 00:31:21,670
know where you've been traveling or

754
00:31:25,860 --> 00:31:23,770
whether it's Twitter or Facebook or

755
00:31:27,510 --> 00:31:25,870
whatever to there is kind of this you

756
00:31:28,560 --> 00:31:27,520
get a semblance of an idea of what a

757
00:31:30,360 --> 00:31:28,570
person is going through and then when

758
00:31:31,770 --> 00:31:30,370
you catch up you can say hey how was

759
00:31:33,830 --> 00:31:31,780
your trip to Colorado or how was your

760
00:31:38,280 --> 00:31:33,840
trip that you know yeah it's it's

761
00:31:40,320 --> 00:31:38,290
amongst the horrors that that the new

762
00:31:41,460 --> 00:31:40,330
technology can provide that's one of the

763
00:31:43,980 --> 00:31:41,470

few things that I think are really

764

00:31:45,840 --> 00:31:43,990

wonderful and valuable about social

765

00:31:50,460 --> 00:31:45,850

media is that you really can have these

766

00:31:53,250 --> 00:31:50,470

kind of international relationships that

767

00:31:55,020 --> 00:31:53,260

can span miles and miles and years and

768

00:31:56,040 --> 00:31:55,030

years and yet be just as real as any

769

00:31:59,250 --> 00:31:56,050

other kind of relationship you could

770

00:32:01,320 --> 00:31:59,260

have it's so interesting because when i

771

00:32:02,370 --> 00:32:01,330

was younger traveling the world this

772

00:32:04,770 --> 00:32:02,380

simply didn't exist

773

00:32:06,090 --> 00:32:04,780

but it's come along now and I've seen

774

00:32:08,460 --> 00:32:06,100

the you know the introduction of the

775

00:32:11,550 --> 00:32:08,470

internet is you have and we are now so

776

00:32:13,890 --> 00:32:11,560

immersed in it but we know the

777

00:32:15,180 --> 00:32:13,900

difference and kids growing up now the

778

00:32:17,370 --> 00:32:15,190

younger generation the digital

779

00:32:19,740 --> 00:32:17,380

generation they call it they don't they

780

00:32:21,300 --> 00:32:19,750

simply don't know that there was how it

781

00:32:22,800 --> 00:32:21,310

was to be a time where you weren't

782

00:32:25,560 --> 00:32:22,810

always in touch with people anywhere

783

00:32:27,300 --> 00:32:25,570

it's not rated it's like it's like I

784

00:32:28,530 --> 00:32:27,310

can't picture what it was like to not

785

00:32:30,060 --> 00:32:28,540

have a telephone you know my

786

00:32:31,260 --> 00:32:30,070

grandparents good and they knew what I

787

00:32:33,060 --> 00:32:31,270

was like to not have a telephone and to

788

00:32:35,160 --> 00:32:33,070

me it's like you know I can't fathom not

789

00:32:37,020 --> 00:32:35,170

being able to call somebody well now

790

00:32:38,940 --> 00:32:37,030

it's just you know you can't fathom not

791

00:32:41,850 --> 00:32:38,950

to be able to instant message someone or

792

00:32:43,950 --> 00:32:41,860

tweet someone or whatever yeah it's the

793

00:32:46,020 --> 00:32:43,960

way it goes it's it's it's there's a

794

00:32:48,330 --> 00:32:46,030

price for it you know you lose a certain

795

00:32:50,820 --> 00:32:48,340

bit of intimacy or privacy or whatever

796

00:32:52,470 --> 00:32:50,830

but if you're willing to pay it gosh you

797

00:32:53,700 --> 00:32:52,480

can have relationships like like we have

798

00:32:56,460 --> 00:32:53,710

and it's really it's really interesting

799

00:32:58,350 --> 00:32:56,470

and fascinating yeah well we'll see what

800

00:33:00,990 --> 00:32:58,360

the future brings and i hope the future

801
00:33:03,090 --> 00:33:01,000
is George horeb back to Australia in

802
00:33:05,490 --> 00:33:03,100
fact I'm going to UM I think we should

803
00:33:06,960 --> 00:33:05,500
put little wheels in motion Geo I think

804
00:33:11,900 --> 00:33:06,970
we should but we should aim for that

805
00:33:16,830 --> 00:33:14,490
maybe little aircraft in motion might be

806
00:33:18,360 --> 00:33:16,840
more practical okay i guess there might

807
00:33:20,730 --> 00:33:18,370
be a little more here for little wings

808
00:33:21,960 --> 00:33:20,740
yeah with little or no absolutely

809
00:33:24,420 --> 00:33:21,970
absolutely yeah we'll make it happen

810
00:33:26,220 --> 00:33:24,430
let's make it happen well George Rob

811
00:33:27,930 --> 00:33:26,230
it's a pleasure to catch up with you as

812
00:33:30,360 --> 00:33:27,940
always I can't wait to see you wherever

813
00:33:32,790 --> 00:33:30,370

that might be be it here in Sydney or

814

00:33:35,460 --> 00:33:32,800

New York or Las Vegas for the amazing

815

00:33:37,740 --> 00:33:35,470

meeting or or some strange other

816

00:33:40,890 --> 00:33:37,750

destinations somewhere around the world

817

00:33:42,630 --> 00:33:40,900

and for now George rub all the way over

818

00:33:48,910 --> 00:33:42,640

there in Pennsylvania thank you very

819

00:33:54,380 --> 00:33:51,830

SuperDuper crazy man I just full of ways

820

00:34:02,180 --> 00:33:54,390

i discussed

821

00:34:02,190 --> 00:34:25,060

pretty damn far

822

00:34:29,720 --> 00:34:27,260

according to the US Centers for Disease

823

00:34:31,129 --> 00:34:29,730

Control and Prevention America is

824

00:34:33,369 --> 00:34:31,139

experiencing one of the largest

825

00:34:35,740 --> 00:34:33,379

outbreaks of reported pertussis cases

826

00:34:39,050 --> 00:34:35,750

also known as whooping cough in

827

00:34:40,760 --> 00:34:39,060

approximately 50 years infants are

828

00:34:42,649 --> 00:34:40,770

particularly vulnerable to pertussis

829

00:34:44,659 --> 00:34:42,659

researchers found when it could be

830

00:34:46,669 --> 00:34:44,669

determined how an infant cough pertussis

831

00:34:48,440 --> 00:34:46,679

family members were responsible for

832

00:34:51,109 --> 00:34:48,450

spreading the disease to the baby and up

833

00:34:53,030 --> 00:34:51,119

to eighty percent of cases and parents

834

00:34:55,369 --> 00:34:53,040

were responsible up to fifty percent of

835

00:34:57,380 --> 00:34:55,379

the time Emmy Award winner sarah

836

00:34:59,660 --> 00:34:57,390

michelle gellar is not only a successful

837

00:35:01,910 --> 00:34:59,670

actress that prides herself on being the

838

00:35:03,890 --> 00:35:01,920

best mom she can be now the mother of

839

00:35:06,349 --> 00:35:03,900

two sarah is working with the March of

840

00:35:08,630 --> 00:35:06,359

Dimes and santa fe pastor on the sounds

841

00:35:10,849 --> 00:35:08,640

of pertussis campaign to inspire others

842

00:35:13,070 --> 00:35:10,859

to get their adult Tdap pertussis

843

00:35:15,650 --> 00:35:13,080

vaccine to help protect themselves and

844

00:35:18,170 --> 00:35:15,660

help stop the spread of pertussis to the

845

00:35:19,940 --> 00:35:18,180

infants in their lives I've had a lot of

846

00:35:21,680 --> 00:35:19,950

exciting things happen in my life but

847

00:35:24,050 --> 00:35:21,690

they all take a backseat to the birth of

848

00:35:26,240 --> 00:35:24,060

my two amazing children no matter how

849

00:35:28,030 --> 00:35:26,250

busy I may get my family and their help

850

00:35:30,580 --> 00:35:28,040

will always be my number one

851
00:35:32,260 --> 00:35:30,590
when babies are born they are at risk of

852
00:35:34,570 --> 00:35:32,270
becoming infected with pertussis a

853
00:35:37,120 --> 00:35:34,580
highly contagious vaccine-preventable

854
00:35:39,520 --> 00:35:37,130
disease in adults and adolescents the

855
00:35:41,860 --> 00:35:39,530
disease is typically milder but in young

856
00:35:43,300 --> 00:35:41,870
babies it can be potentially feel that's

857
00:35:45,610 --> 00:35:43,310
why I not only made sure that I was

858
00:35:47,140 --> 00:35:45,620
vaccinated against pertussis but I asked

859
00:35:49,030 --> 00:35:47,150
my friends and family to get the vaccine

860
00:35:51,670 --> 00:35:49,040
as well I decided to join march of dimes

861
00:35:53,050 --> 00:35:51,680
and Santa Fe past or in the sound super

862
00:35:56,440 --> 00:35:53,060
test his campaign to help educate

863
00:35:57,610 --> 00:35:56,450

parents grandparents and any caregiver

864

00:35:59,980 --> 00:35:57,620

about the importance of getting

865

00:36:02,200 --> 00:35:59,990

vaccinated with the adult Tdap vaccine

866

00:36:04,000 --> 00:36:02,210

the way I see it as parents it's our

867

00:36:05,830 --> 00:36:04,010

responsibility to keep baby safe and

868

00:36:07,810 --> 00:36:05,840

what better way to keep them safe than

869

00:36:09,400 --> 00:36:07,820

to help stop the spread of pertussis I'm

870

00:36:11,530 --> 00:36:09,410

particularly excited about the

871

00:36:13,540 --> 00:36:11,540

campaign's new facebook application the

872

00:36:15,670 --> 00:36:13,550

breathing room the breathing room allows

873

00:36:18,160 --> 00:36:15,680

parents to send a brief message to

874

00:36:20,080 --> 00:36:18,170

family members and caregivers to make a

875

00:36:22,360 --> 00:36:20,090

pledge to get vaccinated against

876

00:36:25,210 --> 00:36:22,370

pertussis the best way to help prevent

877

00:36:27,730 --> 00:36:25,220

pertussis is timely vaccination with the

878

00:36:30,010 --> 00:36:27,740

recommended pertussis vaccines learn

879

00:36:32,290 --> 00:36:30,020

more at sounds of pertussis calm and

880

00:36:35,050 --> 00:36:32,300

build your baby's own breathing room at

881

00:36:44,380 --> 00:36:35,060

sounds of pertussis calm / breathing

882

00:36:49,520 --> 00:36:47,120

welcome to a week in science from our

883

00:36:52,280 --> 00:36:49,530

iOS bringing you the science news you

884

00:36:54,830 --> 00:36:52,290

need to know this week in science saw

885

00:36:56,690 --> 00:36:54,840

the importance of little diggers the

886

00:37:07,880 --> 00:36:56,700

death toll from air pollution and

887

00:37:10,340 --> 00:37:07,890

amazing 3d x-rays of the rats are the

888

00:37:13,490 --> 00:37:10,350

decline of little Aussie diggers may be

889

00:37:16,040 --> 00:37:13,500

degrading our ecosystems digging mammals

890

00:37:18,500 --> 00:37:16,050

like bilbies Bandicoot spotter oohs and

891

00:37:21,410 --> 00:37:18,510

echidnas mix up nutrients and promote

892

00:37:23,990 --> 00:37:21,420

decomposition improving nutrient-poor

893

00:37:25,940 --> 00:37:24,000

soils digging and scratching also

894

00:37:28,610 --> 00:37:25,950

improves water absorption which

895

00:37:31,040 --> 00:37:28,620

decreases surface runoff and erosion the

896

00:37:33,500 --> 00:37:31,050

gradual disappearance of digging species

897

00:37:38,300 --> 00:37:33,510

has stopped these excavating services in

898

00:37:40,760 --> 00:37:38,310

our ecosystem suffer as a result could

899

00:37:43,490 --> 00:37:40,770

our inaction on greenhouse gas emissions

900

00:37:46,310 --> 00:37:43,500

kill people in the future it's been

901
00:37:48,470 --> 00:37:46,320
estimated that in the year 2100 between

902
00:37:51,350 --> 00:37:48,480
one point four and three million

903
00:37:53,900 --> 00:37:51,360
premature deaths will be caused by air

904
00:37:56,270 --> 00:37:53,910
pollution this assumes that no big

905
00:37:58,610 --> 00:37:56,280
global effort is made to improve air

906
00:38:00,410 --> 00:37:58,620
quality there is a double benefit to

907
00:38:02,960 --> 00:38:00,420
cleaning up air pollution which will

908
00:38:05,390 --> 00:38:02,970
also decrease greenhouse gas emissions

909
00:38:08,060 --> 00:38:05,400
and reduce the effects of climate change

910
00:38:10,550 --> 00:38:08,070
you're listening to a week in science

911
00:38:14,120 --> 00:38:10,560
from our iOS and now for science

912
00:38:16,329 --> 00:38:14,130
headlines in 30 seconds

913
00:38:20,089 --> 00:38:16,339

early Earth may have resembled Jupiter's

914

00:38:22,130 --> 00:38:20,099

volcanically active moon to the oldest

915

00:38:24,950 --> 00:38:22,140

fossil with a recognizable face

916

00:38:29,420 --> 00:38:24,960

including a modern jaw has been found in

917

00:38:31,430 --> 00:38:29,430

China dated at 419 million years give or

918

00:38:33,289 --> 00:38:31,440

take a couple of days scientists at the

919

00:38:36,019 --> 00:38:33,299

Australian synchrotron have released a

920

00:38:38,150 --> 00:38:36,029

cool video of a 3d rat heart and

921

00:38:40,579 --> 00:38:38,160

researchers have found that exposing you

922

00:38:42,589 --> 00:38:40,589

to scary things while you're asleep can

923

00:38:46,460 --> 00:38:42,599

reduce your fear of it when you're awake

924

00:38:48,650 --> 00:38:46,470

on Tuesday a major earthquake struck

925

00:38:51,259 --> 00:38:48,660

Pakistan with a death toll in the

926
00:38:52,849 --> 00:38:51,269
hundreds and rising one of the curious

927
00:38:54,880 --> 00:38:52,859
effects of this quake has been the

928
00:38:57,380 --> 00:38:54,890
formation of a new island off the coast

929
00:38:59,720 --> 00:38:57,390
pictures of this phenomenon have spread

930
00:39:01,819 --> 00:38:59,730
through social media that's it for this

931
00:39:03,950 --> 00:39:01,829
a week in science for more information

932
00:39:08,960 --> 00:39:03,960
on these and other science news stories

933
00:39:11,150 --> 00:39:08,970
go to the Arias website RI aus org dot a

934
00:39:14,089 --> 00:39:11,160
you follow us on Twitter using the

935
00:39:16,819 --> 00:39:14,099
hashtag week in sy and like us on

936
00:39:32,780 --> 00:39:16,829
Facebook I'm Paul Willis I'll catch you

937
00:39:37,250 --> 00:39:35,480
hi I'm dr. Stefan Soyka of the

938
00:39:39,680 --> 00:39:37,260

functioning spinal cord Research

939

00:39:41,720 --> 00:39:39,690

Institute every day in our clinics

940

00:39:43,880 --> 00:39:41,730

across the world we see thousands of

941

00:39:45,890 --> 00:39:43,890

patients who have fully intact spinal

942

00:39:47,660 --> 00:39:45,900

cords and have absolutely no trouble

943

00:39:49,910 --> 00:39:47,670

walking or waving their arms about

944

00:39:51,710 --> 00:39:49,920

thanks in no small part to the great

945

00:39:54,620 --> 00:39:51,720

work that we do here at the Institute

946

00:39:56,750 --> 00:39:54,630

and your generous donations keeping

947

00:39:59,120 --> 00:39:56,760

spinal cords intact is becoming more

948

00:40:02,030 --> 00:39:59,130

challenging by the day as YouTube

949

00:40:04,700 --> 00:40:02,040

Facebook liveleak and vines insatiable

950

00:40:07,130 --> 00:40:04,710

voracious appetite for videos of young

951
00:40:09,560 --> 00:40:07,140
people acting like idiots entices an

952
00:40:12,110 --> 00:40:09,570
entire generation of young people to act

953
00:40:14,150 --> 00:40:12,120
like idiots and causing them to risk the

954
00:40:16,070 --> 00:40:14,160
possibility of never needing to visit

955
00:40:18,830 --> 00:40:16,080
the functioning spinal cord research

956
00:40:20,900 --> 00:40:18,840
institute ever again this poses a great

957
00:40:23,420 --> 00:40:20,910
threat to our share price so we have had

958
00:40:25,430 --> 00:40:23,430
to take drastic action our hand-picked

959
00:40:27,290 --> 00:40:25,440
team of scientists lyricists and

960
00:40:29,930 --> 00:40:27,300
musicologists have created the ultimate

961
00:40:31,970 --> 00:40:29,940
solution to maintaining a functioning

962
00:40:38,350 --> 00:40:31,980
spinal column a three and a half minute

963
00:40:38,360 --> 00:40:42,470

accident just fine

964

00:40:48,710 --> 00:40:45,230

we never get to be

965

00:40:51,110 --> 00:40:48,720

and your limbs are going to go

966

00:40:56,539 --> 00:40:51,120

feels like you can

967

00:41:05,780 --> 00:40:56,549

be in a wheelchair yeah yeah so be aware

968

00:41:11,090 --> 00:41:08,660

with an ingenious application of rhythm

969

00:41:13,310 --> 00:41:11,100

rhyme melody and harmonic progression

970

00:41:15,560 --> 00:41:13,320

mind your back will enter into the

971

00:41:18,410 --> 00:41:15,570

cerebral cortex of young people at risk

972

00:41:20,840 --> 00:41:18,420

of not having an intact spine and just

973

00:41:23,300 --> 00:41:20,850

like Leonardo DiCaprio in inception will

974

00:41:25,730 --> 00:41:23,310

implant a new thought in in mines to

975

00:41:27,740 --> 00:41:25,740

decide not to do a parkour inspired

976
00:41:29,450 --> 00:41:27,750
faceplant triple somersault landing

977
00:41:31,370 --> 00:41:29,460
headfirst into concrete or Donna

978
00:41:33,080 --> 00:41:31,380
wingsuit and plow into the side of a

979
00:41:35,390 --> 00:41:33,090
cliff thinking that a caffeinated energy

980
00:41:37,340 --> 00:41:35,400
drink makes them immortal and instead

981
00:41:39,830 --> 00:41:37,350
step calmly away from the precipice

982
00:41:41,900 --> 00:41:39,840
hitch a ride in a Volvo to one of our

983
00:41:44,180 --> 00:41:41,910
local functioning spinal cord Research

984
00:41:46,520 --> 00:41:44,190
Institute clinics and join our patient

985
00:41:49,310 --> 00:41:46,530
program of mobile limbed humans living

986
00:41:50,960 --> 00:41:49,320
long healthy and fulfilling lives waving

987
00:41:57,120 --> 00:41:50,970
their arms and legs about without the

988
00:42:01,250 --> 00:41:58,540

I do

989

00:42:03,640 --> 00:42:01,260

we never have to do

990

00:42:06,220 --> 00:42:03,650

happened to someone else

991

00:42:08,320 --> 00:42:06,230

then you wake up in the spinal Ward and

992

00:42:12,250 --> 00:42:08,330

find yourself just final call that

993

00:42:14,120 --> 00:42:12,260

someone else has now become your own

994

00:42:17,150 --> 00:42:14,130

and the screamin n

995

00:42:20,859 --> 00:42:17,160

richa saw was a phantom paint be able to

996

00:42:24,609 --> 00:42:20,869

walk again remorseful and disdain

997

00:42:29,299 --> 00:42:27,349

please help the functioning spinal cord

998

00:42:31,579 --> 00:42:29,309

Research Institute to increase our

999

00:42:34,309 --> 00:42:31,589

intake of new patients by purchasing

1000

00:42:37,339 --> 00:42:34,319

your copy of mind your back today go to

1001
00:42:39,709 --> 00:42:37,349
itunes or amazon and search mind your

1002
00:42:41,569 --> 00:42:39,719
back and if you know anyone who might

1003
00:42:44,089 --> 00:42:41,579
not be at risk of having a fully

1004
00:42:46,339 --> 00:42:44,099
functioning spine please email them the

1005
00:42:51,930 --> 00:42:46,349
link allowing us to infect their mind

1006
00:42:58,660 --> 00:42:54,330
sorry would never have

1007
00:43:00,859 --> 00:42:58,670
you know when even happens to girls now

1008
00:43:02,020 --> 00:43:00,869
friends give me a little too drunk and

1009
00:43:04,730 --> 00:43:02,030
action

1010
00:43:10,000 --> 00:43:04,740
driving cars a little too dangerously

1011
00:43:15,420 --> 00:43:12,230
spinal cord injury prevention is much

1012
00:43:19,180 --> 00:43:17,890
fix it but just like Superman you really

1013
00:43:26,589 --> 00:43:19,190

good

1014

00:43:26,599 --> 00:43:37,120

i'm dr. stefan cyka

1015

00:43:41,390 --> 00:43:39,650

the Canadian public has been poorly

1016

00:43:43,310 --> 00:43:41,400

served by a government which displays

1017

00:43:47,150 --> 00:43:43,320

little respect for objectivity and

1018

00:43:48,680 --> 00:43:47,160

science Canadians are taken advantage of

1019

00:43:50,630 --> 00:43:48,690

through wheat consumer protection

1020

00:43:52,640 --> 00:43:50,640

regulations that allow the sale of

1021

00:43:55,010 --> 00:43:52,650

products and services that don't work

1022

00:43:56,450 --> 00:43:55,020

and our media is all too willing to

1023

00:43:58,490 --> 00:43:56,460

report dubious claims without

1024

00:44:02,510 --> 00:43:58,500

examination if it will attract readers

1025

00:44:04,760 --> 00:44:02,520

and sell advertising individual freedom

1026

00:44:06,740 --> 00:44:04,770

of choice is being jeopardized as the

1027

00:44:09,830 --> 00:44:06,750

unscrupulous or misinformed attempt to

1028

00:44:13,460 --> 00:44:09,840

influence our important decisions it's

1029

00:44:15,860 --> 00:44:13,470

time for a change bad science watches a

1030

00:44:18,260 --> 00:44:15,870

new activist organization that will

1031

00:44:20,180 --> 00:44:18,270

challenge the media advertisers and

1032

00:44:21,650 --> 00:44:20,190

politicians when they promote unsound

1033

00:44:25,610 --> 00:44:21,660

signs that can threaten the well-being

1034

00:44:28,250 --> 00:44:25,620

of Canadians we will provide analysis of

1035

00:44:30,980 --> 00:44:28,260

dubious scientific claims to you Lee our

1036

00:44:32,840 --> 00:44:30,990

government and the media and campaign

1037

00:44:36,380 --> 00:44:32,850

for policy decisions based on the best

1038

00:44:39,230 --> 00:44:36,390

evidence available we will take action

1039

00:44:40,420 --> 00:44:39,240

to pressure politicians to enforce and

1040

00:44:43,550 --> 00:44:40,430

strength and consumer protection

1041

00:44:46,790 --> 00:44:43,560

regulation we will stand against the

1042

00:44:49,090 --> 00:44:46,800

exploitation of you and your family by

1043

00:44:52,510 --> 00:44:49,100

the peddlers of bad science

1044

00:44:54,130 --> 00:44:52,520

you can help us donator pledge to

1045

00:44:56,620 --> 00:44:54,140

support our campaigns and research

1046

00:44:59,290 --> 00:44:56,630

efforts join our mailing list to receive

1047

00:45:03,250 --> 00:44:59,300

action alerts and help affect real

1048

00:45:07,810 --> 00:45:03,260

change tell your friends about us find

1049

00:45:12,190 --> 00:45:07,820

out more at bat science watch see a bad

1050

00:45:23,390 --> 00:45:12,200

science watch important issues sound

1051
00:45:31,440 --> 00:45:27,810
yes bad science watch this is a activism

1052
00:45:32,970 --> 00:45:31,450
in Canada and from bad science watch on

1053
00:45:35,400 --> 00:45:32,980
the line all the way from Canada I'm

1054
00:45:36,990 --> 00:45:35,410
speaking to michael cruz hello Michael a

1055
00:45:39,900 --> 00:45:37,000
lot Richard it's great to be with you

1056
00:45:43,050 --> 00:45:39,910
again yes it's been a long time but I've

1057
00:45:45,540 --> 00:45:43,060
been very happy to run the promotions

1058
00:45:48,510 --> 00:45:45,550
for bad science watching Canada I really

1059
00:45:51,420 --> 00:45:48,520
do like it when people get together to

1060
00:45:53,460 --> 00:45:51,430
try and affect change especially when it

1061
00:45:55,440 --> 00:45:53,470
comes to skepticism but how's it all

1062
00:45:57,240 --> 00:45:55,450
going well things couldn't be better

1063
00:45:58,920 --> 00:45:57,250

well things could always be better but

1064

00:46:01,230 --> 00:45:58,930

we're very happy with the outcome that

1065

00:46:03,690 --> 00:46:01,240

we've had recently it's been a it's been

1066

00:46:06,960 --> 00:46:03,700

a very busy couple years getting a new

1067

00:46:08,940 --> 00:46:06,970

organization off its under its feet and

1068

00:46:10,710 --> 00:46:08,950

recently we've had a great we're

1069

00:46:12,240 --> 00:46:10,720

considering a great success with with

1070

00:46:14,670 --> 00:46:12,250

Health Canada considering homeopathic

1071

00:46:16,800 --> 00:46:14,680

and no swords yes tell me more about

1072

00:46:19,230 --> 00:46:16,810

that because this was the item of a

1073

00:46:21,930 --> 00:46:19,240

recent press release saying Health

1074

00:46:25,860 --> 00:46:21,940

Canada acts on the concerns of bad

1075

00:46:27,120 --> 00:46:25,870

science watch yeah indeed so last time I

1076
00:46:29,190 --> 00:46:27,130
spoke to you was about two years ago he

1077
00:46:31,080 --> 00:46:29,200
had just announced one of our first

1078
00:46:33,300 --> 00:46:31,090
projects which is going to be trying to

1079
00:46:34,890 --> 00:46:33,310
pressure Health Canada and the and the

1080
00:46:38,070 --> 00:46:34,900
Government of Canada to change its

1081
00:46:40,530 --> 00:46:38,080
regulations around homeopathic nose oats

1082
00:46:41,730 --> 00:46:40,540
now for those of those those listeners

1083
00:46:43,410 --> 00:46:41,740
don't know what nose oats are I'm sure

1084
00:46:45,350 --> 00:46:43,420
that many people are familiar with

1085
00:46:48,750 --> 00:46:45,360
homeopathy and but knows odes

1086
00:46:53,670 --> 00:46:48,760
specifically are made from the pus or

1087
00:46:55,860 --> 00:46:53,680
tissue or infected discharge from an

1088
00:46:58,560 --> 00:46:55,870

individual who has been infected with an

1089

00:47:02,670 --> 00:46:58,570

infectious disease I like tuberculous or

1090

00:47:06,060 --> 00:47:02,680

measles or pertussis or indeed influenza

1091

00:47:07,920 --> 00:47:06,070

and the deal with these with the with

1092

00:47:10,380 --> 00:47:07,930

homeopaths is that they are offering up

1093

00:47:13,320 --> 00:47:10,390

these nodes as possible vaccine

1094

00:47:14,970 --> 00:47:13,330

replacements in some cases they're used

1095

00:47:16,800 --> 00:47:14,980

to actually treat the disease in some

1096

00:47:18,750 --> 00:47:16,810

other cases there's a couple different

1097

00:47:20,280 --> 00:47:18,760

programs in which they're offered up as

1098

00:47:23,030 --> 00:47:20,290

a complete replacement for childhood

1099

00:47:25,410 --> 00:47:23,040

vaccination schedules so we of course

1100

00:47:27,060 --> 00:47:25,420

we're concerned about this and and

1101

00:47:28,440 --> 00:47:27,070

what's even more concerning is in Canada

1102

00:47:31,560 --> 00:47:28,450

is that these products are actually

1103

00:47:33,720 --> 00:47:31,570

licensed by Health Canada not

1104

00:47:35,099 --> 00:47:33,730

necessarily for this use but we do know

1105

00:47:37,109 --> 00:47:35,109

that they are being used

1106

00:47:39,450 --> 00:47:37,119

such we were trying to get Health Canada

1107

00:47:43,559 --> 00:47:39,460

to admit that these products should not

1108

00:47:44,910 --> 00:47:43,569

be used for vaccine replacements we had

1109

00:47:47,220 --> 00:47:44,920

a bit of a victory we've been in the

1110

00:47:51,059 --> 00:47:47,230

spring we we put in a consultation to

1111

00:47:53,160 --> 00:47:51,069

health canada in response to a monograph

1112

00:47:56,900 --> 00:47:53,170

that they publish which is supposed to

1113

00:47:59,579 --> 00:47:56,910

aid in their approval of these products

1114

00:48:00,839 --> 00:47:59,589

because many producers are natural

1115

00:48:03,690 --> 00:48:00,849

health product producers actually

1116

00:48:06,660 --> 00:48:03,700

produce the same ingredient in different

1117

00:48:07,950 --> 00:48:06,670

packaging and in different branding but

1118

00:48:11,640 --> 00:48:07,960

health canada thought you know why are

1119

00:48:12,809 --> 00:48:11,650

we reviewing 12 different applications

1120

00:48:14,099 --> 00:48:12,819

for the same ingredient why don't we

1121

00:48:15,589 --> 00:48:14,109

just come up with a way to streamline

1122

00:48:19,470 --> 00:48:15,599

the process it was already gone through

1123

00:48:22,009 --> 00:48:19,480

the process of approval you know we can

1124

00:48:24,269 --> 00:48:22,019

shorten it considerably so these the the

1125

00:48:26,700 --> 00:48:24,279

device they use is called a monograph

1126
00:48:29,880 --> 00:48:26,710
and there is one for homeopathic nose

1127
00:48:31,140 --> 00:48:29,890
oats so we put in a consultation saying

1128
00:48:32,549 --> 00:48:31,150
you know we don't think these products

1129
00:48:34,529 --> 00:48:32,559
should be licensed in the first place

1130
00:48:36,180 --> 00:48:34,539
because they are being used as vaccine

1131
00:48:38,670 --> 00:48:36,190
alternatives which is dangerous and

1132
00:48:40,769 --> 00:48:38,680
dangerous the public regardless of what

1133
00:48:42,839 --> 00:48:40,779
they're used for otherwise and in

1134
00:48:44,309 --> 00:48:42,849
response to this which is not a complete

1135
00:48:45,720 --> 00:48:44,319
victory we had hoped that the Health

1136
00:48:47,880 --> 00:48:45,730
Canada would see the light and not

1137
00:48:49,170 --> 00:48:47,890
actually licensed these products or PO

1138
00:48:50,880 --> 00:48:49,180

the licenses from those products that

1139

00:48:55,259 --> 00:48:50,890

are already been licensed but what they

1140

00:48:58,259 --> 00:48:55,269

did do is respond to our and and

1141

00:49:00,559 --> 00:48:58,269

hopefully others criticisms and they

1142

00:49:04,710 --> 00:49:00,569

added the requirement for a new label

1143

00:49:06,420 --> 00:49:04,720

that specifically says this product is

1144

00:49:08,460 --> 00:49:06,430

not intended to be an alternative to

1145

00:49:10,349 --> 00:49:08,470

vaccination so we consider that

1146

00:49:11,910 --> 00:49:10,359

certainly a victory and it certainly is

1147

00:49:14,069 --> 00:49:11,920

a shot across the bow for how many paths

1148

00:49:16,529 --> 00:49:14,079

to offer these products in replacements

1149

00:49:18,989 --> 00:49:16,539

for vaccinations it is it's a step in

1150

00:49:21,660 --> 00:49:18,999

the right direction because in this

1151

00:49:24,239 --> 00:49:21,670

country I think yes even last year we

1152

00:49:28,170 --> 00:49:24,249

awarded our bench spoon award you know

1153

00:49:30,390 --> 00:49:28,180

the dishonorable award to a group of

1154

00:49:33,150 --> 00:49:30,400

homeopaths here and this issue has been

1155

00:49:35,940 --> 00:49:33,160

going for on for a long time here do you

1156

00:49:38,849 --> 00:49:35,950

find you get a good hearing with the

1157

00:49:40,710 --> 00:49:38,859

government with your concerns well I

1158

00:49:42,269 --> 00:49:40,720

mean we're a young organization and

1159

00:49:44,970 --> 00:49:42,279

we're a grassroots organization means

1160

00:49:47,380 --> 00:49:44,980

we're not professional lobbyists we

1161

00:49:51,789 --> 00:49:47,390

certainly got a response out of them and

1162

00:49:55,990 --> 00:49:51,799

which was a well surprising considering

1163

00:49:57,609 --> 00:49:56,000

they had not really been responsive to

1164

00:49:59,769 --> 00:49:57,619

organizations of our kind of the past

1165

00:50:02,069 --> 00:49:59,779

the health natural health products

1166

00:50:04,029 --> 00:50:02,079

Directorate which is the subset or the

1167

00:50:05,470 --> 00:50:04,039

subunit within Health Canada that

1168

00:50:08,440 --> 00:50:05,480

actually does the natural health

1169

00:50:11,259 --> 00:50:08,450

products regulation is very largely

1170

00:50:12,970 --> 00:50:11,269

influenced by industry and there's not

1171

00:50:14,470 --> 00:50:12,980

too many organizations speaking on the

1172

00:50:18,940 --> 00:50:14,480

behalf of the public that are trying to

1173

00:50:21,039 --> 00:50:18,950

get them to to change their regulation

1174

00:50:23,799 --> 00:50:21,049

or to affect the regulation so we

1175

00:50:25,839 --> 00:50:23,809

actually didn't have any direct response

1176
00:50:27,460 --> 00:50:25,849
from Health Canada with our submission

1177
00:50:29,049 --> 00:50:27,470
so they didn't send us an email or a

1178
00:50:31,150 --> 00:50:29,059
letter we had to do a little bit of

1179
00:50:34,120 --> 00:50:31,160
digging and usually the monographs when

1180
00:50:35,529 --> 00:50:34,130
they're produced they are there's an

1181
00:50:38,400 --> 00:50:35,539
email sent out saying we've you know

1182
00:50:42,099 --> 00:50:38,410
we've published our final our final

1183
00:50:43,839 --> 00:50:42,109
version of it that was not released for

1184
00:50:47,019 --> 00:50:43,849
these homeopathic nose oats they did

1185
00:50:48,579 --> 00:50:47,029
speak to the homeopathic the National

1186
00:50:52,710 --> 00:50:48,589
homeopathic or the organization that

1187
00:50:55,749 --> 00:50:52,720
represents homeopathic distributors and

1188
00:50:58,599 --> 00:50:55,759

manufacturers and in consultation with

1189

00:51:01,450 --> 00:50:58,609

them added this label standard so while

1190

00:51:04,029 --> 00:51:01,460

we're very happy that they added it you

1191

00:51:06,730 --> 00:51:04,039

know their response to the grassroots is

1192

00:51:08,499 --> 00:51:06,740

a bit disconcerting and and the larger

1193

00:51:11,049 --> 00:51:08,509

issue is that like you said it is a

1194

00:51:12,430 --> 00:51:11,059

small step one of the problems with the

1195

00:51:16,089 --> 00:51:12,440

regulation of natural health products in

1196

00:51:17,589 --> 00:51:16,099

this country in Canada is that if you

1197

00:51:19,749 --> 00:51:17,599

want to get your product license all you

1198

00:51:21,789 --> 00:51:19,759

have to do is choose indication for the

1199

00:51:25,089 --> 00:51:21,799

product that is that of the lowest risk

1200

00:51:27,370 --> 00:51:25,099

so regardless if your product is

1201
00:51:29,200 --> 00:51:27,380
actually used for a high-risk thing like

1202
00:51:30,609 --> 00:51:29,210
replacing vaccines all you have to do is

1203
00:51:32,589 --> 00:51:30,619
say you know what we don't need to say

1204
00:51:34,660 --> 00:51:32,599
that all we need to say in license is

1205
00:51:36,490 --> 00:51:34,670
that this part is to be used by health

1206
00:51:39,420 --> 00:51:36,500
as directed by healthcare professional

1207
00:51:43,839 --> 00:51:39,430
and because you're using a lower risk

1208
00:51:46,660 --> 00:51:43,849
statement your evidence for that product

1209
00:51:49,329 --> 00:51:46,670
can is the requirement for evidence is

1210
00:51:51,789 --> 00:51:49,339
considerably lower this of course is not

1211
00:51:54,819 --> 00:51:51,799
the standard used by the approval for

1212
00:51:57,249 --> 00:51:54,829
drug products so here's the game you

1213
00:51:58,900 --> 00:51:57,259

choose a low risk statement you get your

1214

00:52:00,710 --> 00:51:58,910

product license and then you convince

1215

00:52:02,089 --> 00:52:00,720

the community through

1216

00:52:03,830 --> 00:52:02,099

community publications through

1217

00:52:05,960 --> 00:52:03,840

professional publications to through

1218

00:52:07,880 --> 00:52:05,970

health promotion magazines that the

1219

00:52:09,859 --> 00:52:07,890

product is actually used as a vaccine

1220

00:52:13,010 --> 00:52:09,869

replacement and then you can somehow

1221

00:52:15,830 --> 00:52:13,020

circumvent the licensure for that

1222

00:52:18,500 --> 00:52:15,840

high-risk indication and still sell your

1223

00:52:21,620 --> 00:52:18,510

product for how you intend to be in to

1224

00:52:23,089 --> 00:52:21,630

sold to be sold or to be used so it's

1225

00:52:26,089 --> 00:52:23,099

not a very strong regulation

1226

00:52:28,660 --> 00:52:26,099

unfortunately so it's a push here by

1227

00:52:31,730 --> 00:52:28,670

chiropractors they want to be known or

1228

00:52:33,650 --> 00:52:31,740

have the reputation as being primary

1229

00:52:36,170 --> 00:52:33,660

healthcare people so yes if you have

1230

00:52:38,330 --> 00:52:36,180

that cold or whatever the case maybe go

1231

00:52:40,070 --> 00:52:38,340

see you a chiropractor first and also

1232

00:52:41,680 --> 00:52:40,080

the chiropractor's or many of them I

1233

00:52:44,839 --> 00:52:41,690

should say not all of them but there

1234

00:52:48,859 --> 00:52:44,849

certainly are some out there who are

1235

00:52:52,910 --> 00:52:48,869

very mentally anti-vaccination how you

1236

00:52:55,670 --> 00:52:52,920

find that in Canada too we have a much

1237

00:52:59,080 --> 00:52:55,680

more reserved chiropractic community in

1238

00:53:01,490 --> 00:52:59,090

Canada and they have been very carefully

1239

00:53:03,859 --> 00:53:01,500

crafting their message for the past five

1240

00:53:06,200 --> 00:53:03,869

to ten years to avoid that kind of

1241

00:53:07,849 --> 00:53:06,210

controversy compared to the British

1242

00:53:09,500 --> 00:53:07,859

contract Association and certainly at

1243

00:53:11,510 --> 00:53:09,510

what's happening in Australia Canada has

1244

00:53:14,240 --> 00:53:11,520

a much more reserved kind of approach

1245

00:53:15,770 --> 00:53:14,250

with chiropractors but what we've seen

1246

00:53:17,030 --> 00:53:15,780

with chiropractic can certainly occur

1247

00:53:18,800 --> 00:53:17,040

with natural platts homeopaths

1248

00:53:20,120 --> 00:53:18,810

acupuncturists and 2n traditional

1249

00:53:21,800 --> 00:53:20,130

Chinese medicine practitioners as well

1250

00:53:23,210 --> 00:53:21,810

so we're trying to get ahead of the

1251
00:53:25,280 --> 00:53:23,220
problem but unfortunately the horses out

1252
00:53:29,420 --> 00:53:25,290
of the barn in many of these cases yeah

1253
00:53:31,250 --> 00:53:29,430
it's not it's not an easy job to do it's

1254
00:53:33,050 --> 00:53:31,260
like what President Kennedy said about

1255
00:53:34,730 --> 00:53:33,060
going to the moon we choose to do these

1256
00:53:38,329 --> 00:53:34,740
things not because they are easy because

1257
00:53:40,070 --> 00:53:38,339
they're haha yes although I would like

1258
00:53:41,510 --> 00:53:40,080
it to be a bit easier I mean part of

1259
00:53:43,190 --> 00:53:41,520
this natural health product regulation

1260
00:53:44,839 --> 00:53:43,200
that's occurring in Canada is because of

1261
00:53:47,180 --> 00:53:44,849
the mainstreaming of these other

1262
00:53:48,980 --> 00:53:47,190
professions natural health prom that's

1263
00:53:51,170 --> 00:53:48,990

no sorry natural paths in bc and ontario

1264

00:53:55,910 --> 00:53:51,180

arguing actually for broadening the

1265

00:53:57,920 --> 00:53:55,920

prescription capabilities and in order

1266

00:54:00,380 --> 00:53:57,930

to use mainstream drugs in their

1267

00:54:01,970 --> 00:54:00,390

practice so this is ironic because i

1268

00:54:04,820 --> 00:54:01,980

mean one of the organizations on ontario

1269

00:54:08,210 --> 00:54:04,830

is called a the drugless Practitioners

1270

00:54:10,190 --> 00:54:08,220

organization they eschew mainstream

1271

00:54:13,880 --> 00:54:10,200

pharma cute and from pharmaceuticals and

1272

00:54:14,510 --> 00:54:13,890

the kind of theory that goes behind it

1273

00:54:15,950 --> 00:54:14,520

but there

1274

00:54:18,160 --> 00:54:15,960

they want to get their hands on

1275

00:54:20,360 --> 00:54:18,170

prescribing very commonly prescribed

1276

00:54:23,900 --> 00:54:20,370

medications like non-steroidal

1277

00:54:25,700 --> 00:54:23,910

anti-inflammatories or antibiotics in

1278

00:54:28,640 --> 00:54:25,710

order to make them a primary care

1279

00:54:31,010 --> 00:54:28,650

practitioner and many of the the amino

1280

00:54:33,920 --> 00:54:31,020

acids and other kind of more dangerous

1281

00:54:37,040 --> 00:54:33,930

things like fox club and and another

1282

00:54:38,930 --> 00:54:37,050

kind of more dangerous herbs were going

1283

00:54:41,900 --> 00:54:38,940

to be now regulated under the National

1284

00:54:44,180 --> 00:54:41,910

Health an astronaut natural health

1285

00:54:45,590 --> 00:54:44,190

practitioners Directorate and so the

1286

00:54:47,240 --> 00:54:45,600

scope of practice had to be changed in

1287

00:54:49,240 --> 00:54:47,250

order to reflect that so this is all

1288

00:54:51,380 --> 00:54:49,250

going hand in hand we're seeing you know

1289

00:54:52,430 --> 00:54:51,390

60,000 products are right now approved

1290

00:54:54,860 --> 00:54:52,440

by the natural health products

1291

00:54:58,430 --> 00:54:54,870

Directorate which is an enormous amount

1292

00:54:59,240 --> 00:54:58,440

compared to pharmaceuticals and that's

1293

00:55:00,950 --> 00:54:59,250

going hand-in-hand with the

1294

00:55:03,740 --> 00:55:00,960

mainstreaming of naturopathy homeopathy

1295

00:55:06,140 --> 00:55:03,750

and another kind of more alternative

1296

00:55:07,970 --> 00:55:06,150

dubious alternative medicine so it is a

1297

00:55:09,560 --> 00:55:07,980

difficult job certainly bad science

1298

00:55:11,330 --> 00:55:09,570

watch is I think one of the few

1299

00:55:13,220 --> 00:55:11,340

organizations Canada actually looking at

1300

00:55:14,420 --> 00:55:13,230

this issue most of the other

1301

00:55:16,670 --> 00:55:14,430

organizations that are doing science

1302

00:55:19,010 --> 00:55:16,680

advocacy work are more are looking at

1303

00:55:20,750 --> 00:55:19,020

the more mainstream issues but the

1304

00:55:22,970 --> 00:55:20,760

fringe scientific issues because they're

1305

00:55:25,400 --> 00:55:22,980

not being opposed are gaining a foothold

1306

00:55:28,730 --> 00:55:25,410

and we're trying very hard to fight

1307

00:55:30,650 --> 00:55:28,740

against that that action well you and I

1308

00:55:32,930 --> 00:55:30,660

will never be out of a job Michael I can

1309

00:55:35,450 --> 00:55:32,940

promise you that it's very it's very

1310

00:55:38,060 --> 00:55:35,460

true it's a very very true my other job

1311

00:55:40,160 --> 00:55:38,070

my full-time job is as a paramedic so

1312

00:55:42,740 --> 00:55:40,170

you know while you shake your head at

1313

00:55:44,090 --> 00:55:42,750

people are doing kind of dumb things and

1314

00:55:46,340 --> 00:55:44,100

get themselves in position I wouldn't

1315

00:55:48,860 --> 00:55:46,350

have a job if it wasn't for those kind

1316

00:55:50,480 --> 00:55:48,870

of circumstances and unfortunately one

1317

00:55:53,540 --> 00:55:50,490

can look at it for science advocacy as

1318

00:55:55,940 --> 00:55:53,550

well right the the anti science or

1319

00:55:58,040 --> 00:55:55,950

scientific ignorance is runs runs deep

1320

00:56:00,290 --> 00:55:58,050

in society and we're trying our best to

1321

00:56:02,030 --> 00:56:00,300

counter it we are trying and I'm glad

1322

00:56:04,910 --> 00:56:02,040

that there are organizations like bad

1323

00:56:07,250 --> 00:56:04,920

signs watch out there just concerned

1324

00:56:09,650 --> 00:56:07,260

citizens really getting together to try

1325

00:56:14,570 --> 00:56:09,660

and make a difference and the website

1326
00:56:16,940 --> 00:56:14,580
again is a bad science watch dot CA is

1327
00:56:18,680 --> 00:56:16,950
our main website if you're interested in

1328
00:56:20,600 --> 00:56:18,690
the nose oates problem we have a very

1329
00:56:22,790 --> 00:56:20,610
sort of comprehensive wisdom that lays

1330
00:56:27,430 --> 00:56:22,800
out all the arguments called stop noes 0

1331
00:56:29,320 --> 00:56:27,440
0 RG knows how to spell nos 0 des

1332
00:56:30,760 --> 00:56:29,330
and you can certainly go there and and

1333
00:56:33,370 --> 00:56:30,770
get the full picture of why we're

1334
00:56:34,900 --> 00:56:33,380
arguing against these products and and

1335
00:56:37,840 --> 00:56:34,910
you can certainly see bad science watch

1336
00:56:39,850 --> 00:56:37,850
CA check us out on twitter at bad signs

1337
00:56:41,200 --> 00:56:39,860
watch facebook / bad science which I

1338
00:56:42,630 --> 00:56:41,210

think we're on Google+ as well so you

1339

00:56:44,950 --> 00:56:42,640

can check out bad science watch there

1340

00:56:46,210 --> 00:56:44,960

we'd certainly like your input looking

1341

00:56:48,130 --> 00:56:46,220

for volunteers and we're always looking

1342

00:56:49,780 --> 00:56:48,140

of course for donations because this

1343

00:56:52,060 --> 00:56:49,790

costs money to do this kind of work and

1344

00:56:55,000 --> 00:56:52,070

it's very it's very hard to do without

1345

00:56:56,650 --> 00:56:55,010

it well all power to you Michael glad to

1346

00:56:59,170 --> 00:56:56,660

talk with you and that's the word folks

1347

00:57:00,900 --> 00:56:59,180

and well you can just google bad science

1348

00:57:03,790 --> 00:57:00,910

watching you're bound to find the

1349

00:57:05,950 --> 00:57:03,800

information you're seeking all the way

1350

00:57:18,160 --> 00:57:05,960

from Canada michael cruz thank you very

1351
00:57:21,740 --> 00:57:20,000
have you heard the one about how the

1352
00:57:23,480 --> 00:57:21,750
Illuminati in conjunction with the US

1353
00:57:25,250 --> 00:57:23,490
government are hiding the existence of

1354
00:57:27,710 --> 00:57:25,260
aliens in order to ensure the supply of

1355
00:57:29,000 --> 00:57:27,720
helium is kept low or the CIA the

1356
00:57:30,770 --> 00:57:29,010
militant wing of the Freemasons are

1357
00:57:32,210 --> 00:57:30,780
working with the elders of zion to take

1358
00:57:34,700 --> 00:57:32,220
control of the population of the world

1359
00:57:36,500 --> 00:57:34,710
through fluoridated chemtrails canberra

1360
00:57:37,970 --> 00:57:36,510
skeptics incorporated on behalf of the

1361
00:57:39,680 --> 00:57:37,980
shadow government will be massing an

1362
00:57:42,230 --> 00:57:39,690
array of dark forces for the Australian

1363
00:57:44,000 --> 00:57:42,240

skeptics national convention 2013 this

1364

00:57:45,650 --> 00:57:44,010

convention has conspired to coincide

1365

00:57:47,900 --> 00:57:45,660

with the 50th anniversary of the

1366

00:57:49,580 --> 00:57:47,910

assassination of John F Kennedy possibly

1367

00:57:51,590 --> 00:57:49,590

the most famous conspiracy theory of all

1368

00:57:53,450 --> 00:57:51,600

time if you've ever wanted to learn

1369

00:57:55,400 --> 00:57:53,460

about the truth behind the death of JFK

1370

00:57:57,290 --> 00:57:55,410

what makes for a good conspiracy theory

1371

00:57:59,300 --> 00:57:57,300

and why they are so prevalent Canberra

1372

00:58:01,010 --> 00:57:59,310

skeptics invites you to attend that is

1373

00:58:04,040 --> 00:58:01,020

of course should you choose to accept it

1374

00:58:06,620 --> 00:58:04,050

come to national skeptics convention org

1375

00:58:17,020 --> 00:58:06,630

and just remember they will be watching

1376

00:58:21,920 --> 00:58:19,790

thank you for listening to the skeptic

1377

00:58:23,480 --> 00:58:21,930

zone and thank you to those people who

1378

00:58:27,710 --> 00:58:23,490

keep writing to me saying how much they

1379

00:58:29,780 --> 00:58:27,720

enjoyed solar flare in fact Stefan Soyka

1380

00:58:32,060 --> 00:58:29,790

dr. Stefan has even commented to me that

1381

00:58:35,030 --> 00:58:32,070

he meets people who stop him and say

1382

00:58:36,530 --> 00:58:35,040

they really enjoyed solar flare you can

1383

00:58:39,650 --> 00:58:36,540

if you haven't heard solar flare our

1384

00:58:41,480 --> 00:58:39,660

great space adventure starring the

1385

00:58:43,630 --> 00:58:41,490

skeptics own gang and special guest

1386

00:58:45,890 --> 00:58:43,640

George Arab and Brian Dunning in geo

1387

00:58:51,250 --> 00:58:45,900

music isn't there all sorts of things I

1388

00:58:53,690 --> 00:58:51,260

go to ww skeptics on TV scroll down past

1389

00:58:55,900 --> 00:58:53,700

the show notes to this episode and

1390

00:58:58,820 --> 00:58:55,910

you'll see the link to solar flare and

1391

00:59:01,190 --> 00:58:58,830

yes we are working on the next adventure

1392

00:59:03,890 --> 00:59:01,200

the next episode about a third written

1393

00:59:06,109 --> 00:59:03,900

these things take time trust me these

1394

00:59:09,380 --> 00:59:06,119

things take time now here's a quick note

1395

00:59:11,240 --> 00:59:09,390

for anybody anywhere in the world if you

1396

00:59:14,750 --> 00:59:11,250

would like me to promote your skeptical

1397

00:59:18,890 --> 00:59:14,760

group please let me know if you send me

1398

00:59:20,540 --> 00:59:18,900

a 30 second audio promo makes me a work

1399

00:59:23,330 --> 00:59:20,550

on and make sure it's good quality and

1400

00:59:25,340 --> 00:59:23,340

sounds pretty snappy i'm bound to play

1401

00:59:26,990 --> 00:59:25,350

it i like to support skeptical groups

1402

00:59:28,910 --> 00:59:27,000

all around the world and listeners to

1403

00:59:31,070 --> 00:59:28,920

the skeptic zone certainly know that

1404

00:59:33,530 --> 00:59:31,080

there's the invitation if you want me to

1405

00:59:36,290 --> 00:59:33,540

promote your skeptical group let me know

1406

00:59:38,810 --> 00:59:36,300

but for this week mrs. Richard Saunders

1407

00:59:46,160 --> 00:59:38,820

signing off okay one more time here we

1408

00:59:48,530 --> 00:59:46,170

go ready heads or tails tails this is

1409

00:59:52,950 --> 00:59:48,540

Richard Saunders signing off from Sydney

1410

00:59:59,940 --> 00:59:54,960

you've been listening to the skeptic

1411

01:00:03,720 --> 00:59:59,950

zone visit our website at [www skeptics](http://www.skeptics)