

1
00:00:06,540 --> 00:00:14,120
welcome to the skeptic zone the podcast

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

3
00:00:20,730 --> 00:00:27,219
wow it's the old skeptic zone theme hmm

4
00:00:25,510 --> 00:00:30,189
I thought I put that into retirement

5
00:00:27,219 --> 00:00:32,049
about a year back oh well you know how

6
00:00:30,189 --> 00:00:34,480
it is get them out once in a while give

7
00:00:32,049 --> 00:00:36,878
them a run through the paddocks through

8
00:00:34,479 --> 00:00:39,759
the internet and put it back into the

9
00:00:36,878 --> 00:00:43,049
stable maybe we'll hear that theme once

10
00:00:39,759 --> 00:00:46,179
again sometime in the distant future

11
00:00:43,049 --> 00:00:50,169
hello it's Richard Saunders here it's

12
00:00:46,179 --> 00:00:53,979
episode number 162 of the skeptic zone

13
00:00:50,170 --> 00:00:56,530
on the twenty-sixth of November 2011

14
00:00:53,979 --> 00:01:00,519
what a show we have lined up for you

15
00:00:56,530 --> 00:01:02,109
this week now last weekend the

16
00:01:00,520 --> 00:01:05,259
Australian skeptics held their annual

17
00:01:02,109 --> 00:01:07,239
convention last year of course it was

18
00:01:05,259 --> 00:01:09,489
combined with Cam Australia and that was

19
00:01:07,239 --> 00:01:13,239
a huge success this year was a bit more

20
00:01:09,489 --> 00:01:16,030
low-key not being a tam and we had it at

21
00:01:13,239 --> 00:01:18,699
the Australian Museum just the one day

22
00:01:16,030 --> 00:01:23,109
convention what a great time great time

23
00:01:18,700 --> 00:01:24,969
had by all especially especially by

24
00:01:23,109 --> 00:01:27,609
Maynard who was running around with his

25
00:01:24,969 --> 00:01:29,560
microphone lots of interviews coming up

26
00:01:27,609 --> 00:01:31,929
from the Australian skeptics national

27
00:01:29,560 --> 00:01:35,409
convention over the coming weeks and

28
00:01:31,929 --> 00:01:38,349
after those bits and pieces from Maynard

29

00:01:35,409 --> 00:01:41,739
it's the welcome return of reality bites

30
00:01:38,349 --> 00:01:43,450
with Joanne been amoo and Joanne's going

31
00:01:41,739 --> 00:01:47,739
to be looking this week she's going to

32
00:01:43,450 --> 00:01:50,319
be looking at apricot kernels mmm and

33
00:01:47,739 --> 00:01:52,179
the risk of toxicity and cancer claims

34
00:01:50,319 --> 00:01:54,849
are all sorts of things like that coming

35
00:01:52,179 --> 00:01:57,549
up in reality bites and then following

36
00:01:54,849 --> 00:02:00,520
that of course it's the think tank but

37
00:01:57,549 --> 00:02:02,799
not not not not at our club down the end

38
00:02:00,519 --> 00:02:05,799
of the street we go to a mystery

39
00:02:02,799 --> 00:02:07,569
location yes a mystery location keep

40
00:02:05,799 --> 00:02:10,300
listening to the skeptic zone and find

41
00:02:07,569 --> 00:02:13,500
out where we end up thank you for all

42
00:02:10,300 --> 00:02:16,090
those people by the way writing to me

43
00:02:13,500 --> 00:02:18,400

who've discovered skepticism for the

44

00:02:16,090 --> 00:02:20,950

first time by seeing me appear on the

45

00:02:18,400 --> 00:02:23,319

television show the one the one which

46

00:02:20,949 --> 00:02:26,679

just wrapped up the final show went to

47

00:02:23,318 --> 00:02:29,739

where in the past week and if you're

48

00:02:26,680 --> 00:02:32,860

interested the winner as voted by the

49

00:02:29,740 --> 00:02:34,840

Great Australian public was Greg Riley

50

00:02:32,860 --> 00:02:37,870

from Victoria there you are Greg

51

00:02:34,840 --> 00:02:40,060

winner of the one but thank you to

52

00:02:37,870 --> 00:02:43,569

everybody who's been writing in to me

53

00:02:40,060 --> 00:02:46,509

saying well not always nice things but

54

00:02:43,568 --> 00:02:49,329

lots of nice things actually I'm pleased

55

00:02:46,509 --> 00:02:52,030

to say mostly nice things and how

56

00:02:49,330 --> 00:02:55,360

they've gone on to discover things like

57

00:02:52,030 --> 00:02:58,568

the Australian skeptics and even so far

58
00:02:55,360 --> 00:03:01,540
as finding other podcasts and even this

59
00:02:58,568 --> 00:03:03,310
podcast so that's all good i'm very

60
00:03:01,539 --> 00:03:05,439
pleased to hear about that some more

61
00:03:03,310 --> 00:03:07,598
interesting and exciting news coming up

62
00:03:05,439 --> 00:03:08,979
over the the summer break here in

63
00:03:07,598 --> 00:03:11,199
australia the winter break in the

64
00:03:08,979 --> 00:03:14,738
northern hemisphere is our friend and

65
00:03:11,199 --> 00:03:17,560
reporter Maynard looks like he's got a

66
00:03:14,739 --> 00:03:20,530
new show which will be appearing on ABC

67
00:03:17,560 --> 00:03:22,900
radio that seems exciting stuff that's

68
00:03:20,530 --> 00:03:26,530
exciting stuff and with special guests

69
00:03:22,900 --> 00:03:30,039
maybe even now well me and dr. HC will

70
00:03:26,530 --> 00:03:32,229
see more news about that pretty soon but

71
00:03:30,039 --> 00:03:33,639
we're all hoping that that comes off the

72
00:03:32,229 --> 00:03:36,488
main odd that should be very interesting

73
00:03:33,639 --> 00:03:37,899
and exciting for people in Australia and

74
00:03:36,489 --> 00:03:41,049
of course well the internet these days

75
00:03:37,900 --> 00:03:44,530
people around the world and don't forget

76
00:03:41,049 --> 00:03:47,079
we still have the the appeal from

77
00:03:44,530 --> 00:03:52,180
Maynard to get funds for him to come

78
00:03:47,079 --> 00:03:57,159
with us to Tam 10 in Las Vegas so Rachel

79
00:03:52,180 --> 00:04:00,250
and I and Joe and Iran can um well not

80
00:03:57,159 --> 00:04:02,289
run around like like crazy trying to get

81
00:04:00,250 --> 00:04:04,239
lots of interviews will it may not do

82
00:04:02,289 --> 00:04:05,888
the running around for you on your

83
00:04:04,239 --> 00:04:08,769
behalf and on now we have from getting

84
00:04:05,889 --> 00:04:12,099
all those great interviews and soon soon

85
00:04:08,769 --> 00:04:17,048
will be auctioning off a poster filled

86

00:04:12,098 --> 00:04:20,529
with famous skeptical autographs oh boy

87
00:04:17,048 --> 00:04:23,049
everyone from Joe Nickell to the skeptic

88
00:04:20,529 --> 00:04:26,409
zone team to Ben radford Steve novella

89
00:04:23,050 --> 00:04:28,870
Rebecca Watson's on there even may not

90
00:04:26,410 --> 00:04:30,550
himself and lots of other names i'll be

91
00:04:28,870 --> 00:04:34,120
telling you about soon look out for that

92
00:04:30,550 --> 00:04:35,860
coming up that'll be auctioned off there

93
00:04:34,120 --> 00:04:38,530
are a couple actually but we'll be

94
00:04:35,860 --> 00:04:41,410
starting off with one all benefits going

95
00:04:38,529 --> 00:04:44,348
to help us get Maynard over Terrell Las

96
00:04:41,410 --> 00:04:46,450
Vegas where I think he'll feel right at

97
00:04:44,348 --> 00:04:47,819
home well I'm going to feel right at

98
00:04:46,449 --> 00:04:50,610
home I'm going to

99
00:04:47,819 --> 00:04:52,439
I'm going to run downstairs one of these

100
00:04:50,610 --> 00:04:53,699

days I'm going to trip if I keep running

101

00:04:52,439 --> 00:04:56,310

down those stairs i'm going to run

102

00:04:53,699 --> 00:04:59,519

downstairs i'm going to run to the

103

00:04:56,310 --> 00:05:06,329

coffee plunger i'm going to have a nice

104

00:04:59,519 --> 00:05:10,229

cup of obama blend coffee as has bought

105

00:05:06,329 --> 00:05:13,019

here in down in Sydney in Newtown Obama

106

00:05:10,230 --> 00:05:16,410

blender coffee oh yes now this is a

107

00:05:13,019 --> 00:05:20,759

mixture of coffees from Africa and the

108

00:05:16,410 --> 00:05:23,570

Americas hmm as as you can find it

109

00:05:20,759 --> 00:05:26,610

campus coffee here and now in Newtown

110

00:05:23,569 --> 00:05:29,610

I'll do that I'll do that and while I'm

111

00:05:26,610 --> 00:05:33,680

doing that sipping my coffee I'll let

112

00:05:29,610 --> 00:05:33,680

you enjoy the skeptic sir

113

00:05:44,639 --> 00:05:52,319

here's my not spooky action at the

114

00:05:49,810 --> 00:05:52,319

distance

115
00:05:53,860 --> 00:05:57,830
well people it's all happening if the

116
00:05:56,149 --> 00:05:59,989
Australian skeptics national convention

117
00:05:57,829 --> 00:06:01,310
2011 I can read that off the screen if

118
00:05:59,990 --> 00:06:04,370
you want to know the difference between

119
00:06:01,310 --> 00:06:06,439
a apotheosis and a catharsis these are

120
00:06:04,370 --> 00:06:08,019
the people to ask and I'm up I'm right

121
00:06:06,439 --> 00:06:12,019
at the back in the naughty seats with

122
00:06:08,019 --> 00:06:13,759
dr. Christie Wilson now well I look i'm

123
00:06:12,019 --> 00:06:15,799
we right at the back do you normally

124
00:06:13,759 --> 00:06:17,810
hang up to up the back of these kind of

125
00:06:15,800 --> 00:06:19,730
things you can get up to nonsense and

126
00:06:17,810 --> 00:06:21,470
carry on a bit up the back always I

127
00:06:19,730 --> 00:06:24,110
always like to be hidden well away from

128
00:06:21,470 --> 00:06:25,670
from trouble especially something like

129
00:06:24,110 --> 00:06:28,189
this you know definitely I hate being

130
00:06:25,670 --> 00:06:29,410
asked questions Oh for example I have no

131
00:06:28,189 --> 00:06:32,569
idea what the difference between

132
00:06:29,410 --> 00:06:34,820
apotheosis and catharsis I can't even

133
00:06:32,569 --> 00:06:37,519
say I Robin oh they're both great woods

134
00:06:34,819 --> 00:06:39,139
to drop I like introducing little things

135
00:06:37,519 --> 00:06:41,419
like that into the skeptic zone I

136
00:06:39,139 --> 00:06:44,029
haven't brought the great cambrian

137
00:06:41,420 --> 00:06:46,280
explode cambrian explosion conundrum

138
00:06:44,029 --> 00:06:48,199
here before and I have asked for

139
00:06:46,279 --> 00:06:49,819
evidence of extraterrestrials on the

140
00:06:48,199 --> 00:06:52,519
show but sadly we haven't had any yet

141
00:06:49,819 --> 00:06:55,040
well I've got a good one I always give

142
00:06:52,519 --> 00:06:56,899
my students is etiological criteria that

143

00:06:55,040 --> 00:06:59,300
always impresses people at dinner

144
00:06:56,899 --> 00:07:02,418
parties aetiological criteria it means

145
00:06:59,300 --> 00:07:04,819
what's the cause of something so what's

146
00:07:02,418 --> 00:07:06,949
the etiology of depression who's Alf was

147
00:07:04,819 --> 00:07:10,370
an etiological criteria nice i want to

148
00:07:06,949 --> 00:07:12,889
drop in it will impress everybody hey as

149
00:07:10,370 --> 00:07:14,478
your professional i had i not much sleep

150
00:07:12,889 --> 00:07:17,689
last night because I was really stressed

151
00:07:14,478 --> 00:07:20,060
I had two coffees this morning and I can

152
00:07:17,689 --> 00:07:21,949
I feel mildly like a panic attack

153
00:07:20,060 --> 00:07:23,620
without the pins and needles and stuff

154
00:07:21,949 --> 00:07:25,909
is that the coffee and the lack of sleep

155
00:07:23,620 --> 00:07:27,410
absolutely yeah oh how strong was the

156
00:07:25,910 --> 00:07:29,240
coffee did you have milk sugar in the

157
00:07:27,410 --> 00:07:31,610

coffee or was it like two really strong

158

00:07:29,240 --> 00:07:34,129

black coffee well it coffee will do that

159

00:07:31,610 --> 00:07:35,840

it's a drug yeah yeah was it stimulate

160

00:07:34,129 --> 00:07:38,060

you and just go to do this absolutely

161

00:07:35,839 --> 00:07:40,639

and when I was doing my PhD many years

162

00:07:38,060 --> 00:07:42,439

ago and I lived on coffee because it

163

00:07:40,639 --> 00:07:44,180

kept me going I was buzzing for days and

164

00:07:42,439 --> 00:07:46,149

days and days oh yeah don't drink coffee

165

00:07:44,180 --> 00:07:48,259

if you want to be relaxed and chilled

166

00:07:46,149 --> 00:07:49,849

but if you want to wake up which is what

167

00:07:48,259 --> 00:07:51,709

I did yeah but anyway but look it's

168

00:07:49,850 --> 00:07:53,210

quite a relaxing venue here this is

169

00:07:51,709 --> 00:07:55,759

really good what are you going to be

170

00:07:53,209 --> 00:07:56,688

telling people about today uh right well

171

00:07:55,759 --> 00:07:59,360

um

172
00:07:56,689 --> 00:08:02,269
I'm a psychology lecturer at chester

173
00:07:59,360 --> 00:08:04,639
university based in aubrey and my area

174
00:08:02,269 --> 00:08:06,739
of research is the psychology of belief

175
00:08:04,639 --> 00:08:08,269
why people believe in weird and

176
00:08:06,738 --> 00:08:10,609
wonderful things all the psychological

177
00:08:08,269 --> 00:08:13,098
and in some cases physiological reasons

178
00:08:10,610 --> 00:08:14,598
why people believe in this stuff and the

179
00:08:13,098 --> 00:08:17,838
area is actually called animalistic

180
00:08:14,598 --> 00:08:19,639
psychology and your your your listeners

181
00:08:17,838 --> 00:08:23,118
will have heard me mention this before

182
00:08:19,639 --> 00:08:24,829
so it's not the same as parapsychology

183
00:08:23,119 --> 00:08:27,399
or see parapsychology as everybody

184
00:08:24,829 --> 00:08:29,689
listening will know is very sort of

185
00:08:27,399 --> 00:08:31,629
friendly very sympathetic towards the

186
00:08:29,689 --> 00:08:33,469
idea that sigh exists and

187
00:08:31,629 --> 00:08:34,879
parapsychologists and basically spend a

188
00:08:33,469 --> 00:08:37,959
hundred years trying to prove this stuff

189
00:08:34,879 --> 00:08:40,579
is real anomalistic psychology is

190
00:08:37,958 --> 00:08:42,109
absolutely skeptic skeptical in nature

191
00:08:40,578 --> 00:08:44,239
and as I said it's looking at the

192
00:08:42,110 --> 00:08:46,490
psychological and in some cases

193
00:08:44,240 --> 00:08:47,870
physiological reasons why some people

194
00:08:46,490 --> 00:08:49,389
believe in all this weird and wonderful

195
00:08:47,870 --> 00:08:52,310
stuff so that's that's what I

196
00:08:49,389 --> 00:08:54,289
investigate that's what I'm doing see

197
00:08:52,309 --> 00:08:57,888
reckon you could take Michael Shermer in

198
00:08:54,289 --> 00:09:00,259
a fight Oh take my chauffeur anyway

199
00:08:57,889 --> 00:09:02,480
frankly was that a bit of a crush on him

200

00:09:00,259 --> 00:09:05,089
I sure hope he's listening Michael give

201
00:09:02,480 --> 00:09:07,938
me a call and what is the best example

202
00:09:05,089 --> 00:09:09,649
of of your work you could give us right

203
00:09:07,938 --> 00:09:12,379
I know what is the common belief that

204
00:09:09,649 --> 00:09:15,438
you usually use as an example well okay

205
00:09:12,379 --> 00:09:18,379
oh that's a good question I think my

206
00:09:15,438 --> 00:09:21,860
main my main thesis if you like is that

207
00:09:18,379 --> 00:09:23,149
that we're all actually believers and

208
00:09:21,860 --> 00:09:24,470
again your listeners will at those of

209
00:09:23,149 --> 00:09:26,568
those of them that have seen me give

210
00:09:24,470 --> 00:09:29,809
talks and so on and conventions what

211
00:09:26,568 --> 00:09:31,128
have you and at tam will know that the

212
00:09:29,808 --> 00:09:34,969
this is something that I bang on about

213
00:09:31,129 --> 00:09:38,300
all the time that skeptics tend to think

214
00:09:34,970 --> 00:09:40,009

that believers are a particular kind of

215

00:09:38,299 --> 00:09:42,229
species that there's something

216

00:09:40,009 --> 00:09:44,808
fundamentally wrong with the way they

217

00:09:42,230 --> 00:09:48,709
think and how they process information

218

00:09:44,808 --> 00:09:52,639
etc but in reality that's not actually

219

00:09:48,708 --> 00:09:54,229
the case skeptics are believers as well

220

00:09:52,639 --> 00:09:55,730
I mean we believe in skepticism we

221

00:09:54,230 --> 00:09:57,769
believe in science now these are all

222

00:09:55,730 --> 00:10:00,079
human activities and wherever you have

223

00:09:57,769 --> 00:10:01,370
humans taking part in any kind of

224

00:10:00,078 --> 00:10:03,258
activity you're going to have bias

225

00:10:01,370 --> 00:10:04,730
you're going to have all kinds of

226

00:10:03,259 --> 00:10:07,940
subjective

227

00:10:04,730 --> 00:10:10,699
associated with him and so we believe as

228

00:10:07,940 --> 00:10:12,980
well and my my main thrust my main

229
00:10:10,698 --> 00:10:15,679
argument if you like is that that we all

230
00:10:12,980 --> 00:10:18,850
believe in something we all believe in

231
00:10:15,679 --> 00:10:22,159
something and that there are not

232
00:10:18,850 --> 00:10:23,810
specific differences between believers

233
00:10:22,159 --> 00:10:26,600
that it's something that may possibly

234
00:10:23,809 --> 00:10:30,739
even be innate so we may possibly be

235
00:10:26,600 --> 00:10:32,449
born with this this need this desire to

236
00:10:30,740 --> 00:10:34,879
believe in something because if we

237
00:10:32,448 --> 00:10:37,069
believe we belong and if we belong we

238
00:10:34,879 --> 00:10:39,078
feel stronger so it might have some kind

239
00:10:37,070 --> 00:10:41,329
of adaptive purpose maybe that's that's

240
00:10:39,078 --> 00:10:43,609
my sort of thrust of my andrea the

241
00:10:41,328 --> 00:10:46,489
moment I can't get too many academics

242
00:10:43,610 --> 00:10:48,860
they'll believe me then will agree with

243
00:10:46,490 --> 00:10:51,079
it will agree with me but does the kind

244
00:10:48,860 --> 00:10:53,659
of thing i'm working on how belief in

245
00:10:51,078 --> 00:10:56,620
various things can actually be useful it

246
00:10:53,659 --> 00:10:59,448
can actually help us cope with with life

247
00:10:56,620 --> 00:11:02,120
so what is the key to having someone

248
00:10:59,448 --> 00:11:03,799
change their belief if it's shown to be

249
00:11:02,120 --> 00:11:06,500
wrong how do you because that's pretty

250
00:11:03,799 --> 00:11:08,569
big that's a cathartic moment if you

251
00:11:06,500 --> 00:11:10,039
actually have to change your belief in

252
00:11:08,570 --> 00:11:11,690
helping you if someone really believes

253
00:11:10,039 --> 00:11:14,059
that and they're not open to the facts

254
00:11:11,690 --> 00:11:16,370
how do you do that well I'm not sure

255
00:11:14,059 --> 00:11:18,169
that you can as actually that came up in

256
00:11:16,370 --> 00:11:20,089
the previous the previous talk and I'm

257

00:11:18,169 --> 00:11:22,099
not sure that you can it's very hard to

258
00:11:20,089 --> 00:11:26,660
convince someone who believes in yetis

259
00:11:22,100 --> 00:11:28,339
or or talking to the dead very hard to

260
00:11:26,659 --> 00:11:30,588
convince them that it's not actually the

261
00:11:28,339 --> 00:11:33,649
case and again I've said this many times

262
00:11:30,589 --> 00:11:35,540
before that it only takes a little bit

263
00:11:33,649 --> 00:11:38,828
of evidence to convince people of

264
00:11:35,539 --> 00:11:41,929
anything you know a human self deception

265
00:11:38,828 --> 00:11:44,088
we're all capable of that we can be

266
00:11:41,929 --> 00:11:46,159
convinced of pretty much anything with

267
00:11:44,089 --> 00:11:48,769
the smallest piece of evidence to

268
00:11:46,159 --> 00:11:50,179
convince someone of the opposite of

269
00:11:48,769 --> 00:11:52,639
their beliefs I think that's actually

270
00:11:50,179 --> 00:11:54,609
very difficult to do because we're

271
00:11:52,639 --> 00:11:58,009

talking about a lot of complex

272

00:11:54,610 --> 00:11:59,870

psychological variables here too there's

273

00:11:58,009 --> 00:12:01,139

lots of reasons why people believe in

274

00:11:59,870 --> 00:12:04,438

stuff

275

00:12:01,139 --> 00:12:09,178

it's quite complex and to turn someone

276

00:12:04,438 --> 00:12:11,789

away from that is more than just simple

277

00:12:09,178 --> 00:12:15,600

rational thinking you know it's more

278

00:12:11,789 --> 00:12:18,208

than just trying to encourage rational

279

00:12:15,600 --> 00:12:19,769

thinking far more than that now when of

280

00:12:18,208 --> 00:12:25,198

you had a belief that you had to chuck

281

00:12:19,769 --> 00:12:26,879

away come on I'm look earlier for

282

00:12:25,198 --> 00:12:28,378

example I actually used to buy that

283

00:12:26,879 --> 00:12:31,168

magic water that they showed on the

284

00:12:28,379 --> 00:12:33,139

screen earlier in the belief that it

285

00:12:31,168 --> 00:12:36,448

would help my parents arthritis I

286
00:12:33,139 --> 00:12:38,609
actually used to believe that no III

287
00:12:36,448 --> 00:12:41,909
don't have anything like that oh well I

288
00:12:38,609 --> 00:12:44,418
do bizarrely now this is bizarre and I

289
00:12:41,909 --> 00:12:46,678
do actually have and I'm apologized via

290
00:12:44,418 --> 00:12:49,859
listeners to this book about this but I

291
00:12:46,678 --> 00:12:52,798
do actually have a lucky number um well

292
00:12:49,859 --> 00:12:55,769
it's not so much lucky is that it just

293
00:12:52,798 --> 00:12:57,119
follows me around 58 5 they it just

294
00:12:55,769 --> 00:12:58,769
seems to follow me around everywhere

295
00:12:57,119 --> 00:13:00,480
that's interesting and how long have you

296
00:12:58,769 --> 00:13:02,789
noticed this number popping up well

297
00:13:00,480 --> 00:13:05,249
since I was born because it's it's

298
00:13:02,789 --> 00:13:09,298
actually my birthday 58 not in the year

299
00:13:05,249 --> 00:13:11,069
58th 5th of august so and it just seems

300
00:13:09,298 --> 00:13:14,639
to find me around Lila addresses

301
00:13:11,068 --> 00:13:17,278
postcodes number plates driver's license

302
00:13:14,639 --> 00:13:20,459
my even my Equity card my Equity card

303
00:13:17,278 --> 00:13:24,629
British Actors Equity card it was 58 58

304
00:13:20,458 --> 00:13:25,918
which was weird weird maybe someone from

305
00:13:24,629 --> 00:13:29,579
another realm is trying to communicate

306
00:13:25,918 --> 00:13:31,350
with you by coincidence quite possibly

307
00:13:29,578 --> 00:13:32,668
yeah no don't worry though I'm not I'm

308
00:13:31,350 --> 00:13:34,558
not there's no chance that I'm going to

309
00:13:32,668 --> 00:13:38,068
be turning to the dark side any time yet

310
00:13:34,558 --> 00:13:39,778
no well good luck with the working to

311
00:13:38,068 --> 00:13:41,278
this crowd they're pretty good crowd but

312
00:13:39,778 --> 00:13:43,289
you know something could happen to look

313
00:13:41,278 --> 00:13:45,659
like i always say these things i want

314

00:13:43,289 --> 00:13:46,860
someone to get up there go crazy and get

315
00:13:45,659 --> 00:13:49,308
dragged out do you think that will be

316
00:13:46,860 --> 00:13:51,509
happening tonight I don't think so I

317
00:13:49,308 --> 00:13:52,860
really want to see that in a skeptic

318
00:13:51,509 --> 00:13:54,329
times with someone just suddenly go

319
00:13:52,860 --> 00:13:56,470
we're a little bit and have to get taken

320
00:13:54,328 --> 00:13:59,069
out no I don't think so

321
00:13:56,470 --> 00:14:01,240
no little fart irrational for that I

322
00:13:59,070 --> 00:14:02,950
guess okay we'll go get back to my

323
00:14:01,240 --> 00:14:07,480
catharsis thanks for your time okay guys

324
00:14:02,950 --> 00:14:09,759
good good to see you later look we're

325
00:14:07,480 --> 00:14:11,110
out here in the foyer at the Australian

326
00:14:09,759 --> 00:14:12,580
Museum and you could just cut the

327
00:14:11,110 --> 00:14:14,950
tension with with something that you'd

328
00:14:12,580 --> 00:14:17,259

find in the museum shop and who we got

329

00:14:14,950 --> 00:14:19,000

here day hi this is Karen I'm from

330

00:14:17,259 --> 00:14:20,919

Melbourne hey all the way from melbourne

331

00:14:19,000 --> 00:14:26,590

now what did you a motorbike it did you

332

00:14:20,919 --> 00:14:27,399

walk hitchhike the plane yes and now

333

00:14:26,590 --> 00:14:28,930

what have you thought of what you've

334

00:14:27,399 --> 00:14:30,549

heard so far it's a really big day here

335

00:14:28,929 --> 00:14:33,009

and have you got the right shirt on

336

00:14:30,549 --> 00:14:35,679

colorful and skeptical it's almost as

337

00:14:33,009 --> 00:14:37,450

loud as yours men ours I had to wear

338

00:14:35,679 --> 00:14:39,189

some loud so people can seek me out to

339

00:14:37,450 --> 00:14:41,500

say some stuff but is there something

340

00:14:39,190 --> 00:14:42,910

you're looking forward to today the the

341

00:14:41,500 --> 00:14:45,730

dinner looks good i'm looking forward to

342

00:14:42,909 --> 00:14:48,009

the dinner definitely I'm definitely a

343
00:14:45,730 --> 00:14:51,250
fan of Laurens lungs so yeah that all

344
00:14:48,009 --> 00:14:53,230
that'll be good hopefully yes so far

345
00:14:51,250 --> 00:14:55,899
today it's still only only the morning

346
00:14:53,230 --> 00:14:57,519
so only a couple of talks so far but and

347
00:14:55,899 --> 00:14:59,409
what is your area what's your

348
00:14:57,519 --> 00:15:02,889
skeptically are you like delving in

349
00:14:59,409 --> 00:15:06,639
mucking around with I really sink my

350
00:15:02,889 --> 00:15:08,860
teeth into religion actually ok so would

351
00:15:06,639 --> 00:15:13,379
you be described as bone hanging I go

352
00:15:08,860 --> 00:15:16,269
word here and anti theist probably

353
00:15:13,379 --> 00:15:18,340
atheist is a definition that that suits

354
00:15:16,269 --> 00:15:20,350
me fine i think but yeah you know

355
00:15:18,340 --> 00:15:23,830
there's so many definitions out there

356
00:15:20,350 --> 00:15:25,389
and that they all pretty much overlap no

357
00:15:23,830 --> 00:15:27,730
I can't so you obviously look at if

358
00:15:25,389 --> 00:15:29,470
fewer theologies what's your favourite

359
00:15:27,730 --> 00:15:31,960
God that you like to look at and the

360
00:15:29,470 --> 00:15:34,420
effect on people my favorite what's odd

361
00:15:31,960 --> 00:15:37,509
your favorite which of the gods is your

362
00:15:34,419 --> 00:15:40,599
favorite I I like Thor he's definitely a

363
00:15:37,509 --> 00:15:43,000
favorite God and what an outfit and what

364
00:15:40,600 --> 00:15:44,710
an outfit you know Jesus of course was

365
00:15:43,000 --> 00:15:48,610
now two across and Thor carries a hammer

366
00:15:44,710 --> 00:15:50,889
you know you figure it out at any time

367
00:15:48,610 --> 00:15:52,750
he could go go to a gay dance party in

368
00:15:50,889 --> 00:15:55,169
that outfit at any time Thor just turns

369
00:15:52,750 --> 00:15:57,059
up they go war absolutely

370
00:15:55,169 --> 00:16:01,500
good and what was his mi suppose we may

371

00:15:57,059 --> 00:16:04,138
block from by the way um I don't know it

372
00:16:01,500 --> 00:16:06,690
was it made of a song it's also gets it

373
00:16:04,139 --> 00:16:08,519
into ancient astronaut theory as well

374
00:16:06,690 --> 00:16:10,170
because you know a God with a mighty

375
00:16:08,519 --> 00:16:12,539
hammer could have been some technology

376
00:16:10,169 --> 00:16:14,789
like misinterpreted by the ancients it

377
00:16:12,539 --> 00:16:16,379
could have been but probably not there's

378
00:16:14,789 --> 00:16:18,360
very little evidence for this I know it

379
00:16:16,379 --> 00:16:19,708
will go well and that's into that

380
00:16:18,360 --> 00:16:24,539
conversation people have a good day

381
00:16:19,708 --> 00:16:26,518
cheers my dad thank you we're here in

382
00:16:24,539 --> 00:16:28,528
the lunchroom who am I talking to my

383
00:16:26,519 --> 00:16:29,549
name is Jason cook and I'm the current

384
00:16:28,528 --> 00:16:32,970
president of the Griffith University

385
00:16:29,549 --> 00:16:35,429

skeptics and freethinkers know so so has

386

00:16:32,970 --> 00:16:37,350
it been the conference with the

387

00:16:35,429 --> 00:16:40,319
kilometers today definitely definitely

388

00:16:37,350 --> 00:16:41,399
really informative really fun excellent

389

00:16:40,320 --> 00:16:44,329
conference it's only halfway through

390

00:16:41,399 --> 00:16:46,528
what's been the best bit wow I

391

00:16:44,328 --> 00:16:48,750
particularly liked the last speaker

392

00:16:46,528 --> 00:16:50,669
which was about science journalism and

393

00:16:48,750 --> 00:16:52,708
the decline dog dumbing down of science

394

00:16:50,669 --> 00:16:54,870
journalism i'm currently studying

395

00:16:52,708 --> 00:16:56,789
journalism and we'd like to get into the

396

00:16:54,870 --> 00:16:59,190
science area so when was the last time

397

00:16:56,789 --> 00:17:00,509
you went when you were reading a science

398

00:16:59,190 --> 00:17:02,730
journalism

399

00:17:00,509 --> 00:17:06,269
article yeah recently likely this

400
00:17:02,730 --> 00:17:07,890
morning it's a daily occurrence oh you

401
00:17:06,269 --> 00:17:10,170
see what the facts are wrong or it's

402
00:17:07,890 --> 00:17:14,250
poorly written or a little bit of both

403
00:17:10,170 --> 00:17:15,870
there can be facts wrong or sometimes it

404
00:17:14,250 --> 00:17:18,140
just doesn't seem to make sense there'll

405
00:17:15,869 --> 00:17:21,029
be something that our contradiction or

406
00:17:18,140 --> 00:17:24,449
terminology that they've sort of tried

407
00:17:21,029 --> 00:17:26,549
to use the language of science but

408
00:17:24,449 --> 00:17:29,310
without the understanding of it so it's

409
00:17:26,549 --> 00:17:31,079
almost like a poor translation you know

410
00:17:29,309 --> 00:17:32,730
when you do a translation program of a

411
00:17:31,079 --> 00:17:34,250
language other than English and it comes

412
00:17:32,730 --> 00:17:37,589
back as English and doesn't make sense

413
00:17:34,250 --> 00:17:40,170
that do you think it's just mainly they

414
00:17:37,589 --> 00:17:42,959
just they're rushing for deadlines or

415
00:17:40,170 --> 00:17:45,570
they're just sloppy or sometimes as they

416
00:17:42,960 --> 00:17:47,250
own agenda they're pushing it can be all

417
00:17:45,569 --> 00:17:48,809
of the above all of the above there's

418
00:17:47,250 --> 00:17:51,000
always a deadline issue which is getting

419
00:17:48,809 --> 00:17:54,569
harder and harder and harder and that's

420
00:17:51,000 --> 00:17:57,539
across all journalism but yeah the

421
00:17:54,569 --> 00:17:58,799
general in the general public there

422
00:17:57,539 --> 00:18:01,079
seems to be a problem with science

423
00:17:58,799 --> 00:18:02,399
literacy I say seems to be there's

424
00:18:01,079 --> 00:18:05,309
definitely a problem with science

425
00:18:02,400 --> 00:18:07,440
literacy a subsection of that public

426
00:18:05,309 --> 00:18:10,379
will become science journalists it's

427
00:18:07,440 --> 00:18:12,840
just the same problem flowing on it and

428

00:18:10,380 --> 00:18:14,280
what issues you skipped except the good

429
00:18:12,839 --> 00:18:15,599
university looking at the moment what

430
00:18:14,279 --> 00:18:17,609
about what's ringing your bell up that

431
00:18:15,599 --> 00:18:19,409
way at the moment in Queensland we

432
00:18:17,609 --> 00:18:21,599
always have young earth creationists

433
00:18:19,410 --> 00:18:23,210
always there's always the

434
00:18:21,599 --> 00:18:24,740
anti-vaccination network

435
00:18:23,210 --> 00:18:26,419
because they're in northern New South

436
00:18:24,740 --> 00:18:28,490
Wales they're not that far from where

437
00:18:26,419 --> 00:18:30,409
we're based so we're always keeping an

438
00:18:28,490 --> 00:18:33,429
eye on them and trying to inform people

439
00:18:30,409 --> 00:18:36,528
of what they're doing homeopathy I

440
00:18:33,429 --> 00:18:40,100
regularly take hundreds of homeopathic

441
00:18:36,528 --> 00:18:42,980
sleeping pills no effect whatsoever

442
00:18:40,099 --> 00:18:45,859

except to demonstrate it I did actually

443

00:18:42,980 --> 00:18:49,009
see on the dr ratush talk earlier to

444

00:18:45,859 --> 00:18:50,839
stop talking about homeopathic cures for

445

00:18:49,009 --> 00:18:55,669
breast cancer and I noticed actually one

446

00:18:50,839 --> 00:18:57,949
of the herbs there is a fusion th uja it

447

00:18:55,669 --> 00:19:00,110
actually think does have some topical

448

00:18:57,950 --> 00:19:01,730
effect if you put it onto a wound I

449

00:19:00,109 --> 00:19:03,528
think it can be helpful in a topic or

450

00:19:01,730 --> 00:19:05,028
form but not when diluted but I thought

451

00:19:03,528 --> 00:19:07,398
hang on that's one heard that actually

452

00:19:05,028 --> 00:19:10,190
does do something if directly applied to

453

00:19:07,398 --> 00:19:12,639
something yeah well a lot of curves are

454

00:19:10,190 --> 00:19:15,110
that's where we get medicine from

455

00:19:12,640 --> 00:19:17,690
paracetamol is derived from the bark of

456

00:19:15,109 --> 00:19:21,168
a willow tree I think that's where

457
00:19:17,690 --> 00:19:23,450
medicine comes from but so it's sort of

458
00:19:21,169 --> 00:19:24,890
a problem to reject all natural medicine

459
00:19:23,450 --> 00:19:28,340
or all alternative or complementary

460
00:19:24,890 --> 00:19:30,380
medicines however we need to test them

461
00:19:28,339 --> 00:19:32,599
to see if they work and if we test them

462
00:19:30,380 --> 00:19:34,669
and they don't work then they don't work

463
00:19:32,599 --> 00:19:36,619
unfortunately the moment they're not

464
00:19:34,669 --> 00:19:39,200
being adequately tested or those that

465
00:19:36,619 --> 00:19:41,148
are adequately tested are shown not to

466
00:19:39,200 --> 00:19:42,710
work but they're for sale and the

467
00:19:41,148 --> 00:19:43,519
general public doesn't know this sort of

468
00:19:42,710 --> 00:19:45,500
thing

469
00:19:43,519 --> 00:19:47,029
and what would be your dream science

470
00:19:45,500 --> 00:19:49,460
writing job but you like to work for the

471
00:19:47,029 --> 00:19:52,250
ABC sign kuna door for commercial paper

472
00:19:49,460 --> 00:19:54,620
definitely the obesity that's sort of my

473
00:19:52,250 --> 00:19:56,390
pinnacle I like to do the Hannibal

474
00:19:54,619 --> 00:20:00,649
Lecter voice in one day all the way to

475
00:19:56,390 --> 00:20:02,090
the ABC and it was arresting a the chat

476
00:20:00,650 --> 00:20:04,009
about science writing it's good to have

477
00:20:02,089 --> 00:20:05,659
a science department but as I've

478
00:20:04,009 --> 00:20:06,890
discovered working at the ABC sometimes

479
00:20:05,660 --> 00:20:08,450
if you're not in the science department

480
00:20:06,890 --> 00:20:10,310
and you want to do a science story

481
00:20:08,450 --> 00:20:11,779
there's a little bit of a ghettoization

482
00:20:10,309 --> 00:20:13,549
it's like I know you been not do that

483
00:20:11,779 --> 00:20:15,349
science story the science unit does that

484
00:20:13,549 --> 00:20:17,059
and certainly they would do it in a more

485

00:20:15,349 --> 00:20:18,709
informed way but it does block some

486
00:20:17,059 --> 00:20:22,009
lighter science stories getting through

487
00:20:18,710 --> 00:20:23,809
yeah that's definitely true and any

488
00:20:22,009 --> 00:20:26,539
science department can make mistakes

489
00:20:23,809 --> 00:20:28,429
over all fallible we all make mistakes

490
00:20:26,539 --> 00:20:30,980
a lot of what we do in the skeptic

491
00:20:28,430 --> 00:20:33,259
community is not just have scientists

492
00:20:30,980 --> 00:20:34,940
for instance a magician might be able to

493
00:20:33,259 --> 00:20:36,799
look at something James Randi is a great

494
00:20:34,940 --> 00:20:39,230
example of this he'll look at something

495
00:20:36,799 --> 00:20:40,909
and he can see where a mistake has been

496
00:20:39,230 --> 00:20:44,120
made that a normal scientist won't be

497
00:20:40,910 --> 00:20:46,550
able to necessarily pick that up there's

498
00:20:44,119 --> 00:20:49,250
a lot of psychology involved how we

499
00:20:46,549 --> 00:20:50,720

fooled ourselves how we deceived that's

500

00:20:49,250 --> 00:20:53,029

not necessarily something you're going

501

00:20:50,720 --> 00:20:55,940

to learn by becoming a chemist or a

502

00:20:53,029 --> 00:20:57,829

physicist you learn the methodology of

503

00:20:55,940 --> 00:20:59,840

science which is vital and probably the

504

00:20:57,829 --> 00:21:01,279

most important thing however unless you

505

00:20:59,839 --> 00:21:03,019

have critical thinking unless you have

506

00:21:01,279 --> 00:21:06,829

an understanding of how we can be fooled

507

00:21:03,019 --> 00:21:09,650

how we can be deceived sometimes being a

508

00:21:06,829 --> 00:21:11,149

scientist isn't enough and what's the

509

00:21:09,650 --> 00:21:12,740

best way we can contact your skeptical

510

00:21:11,150 --> 00:21:14,840

group online you've got you've got like

511

00:21:12,740 --> 00:21:19,670

a great website would flash things that

512

00:21:14,839 --> 00:21:25,720

pop out and things we have a website you

513

00:21:19,670 --> 00:21:28,850

can find our blog which is wwg ussf calm

514
00:21:25,720 --> 00:21:31,069
complicated but also if you just google

515
00:21:28,849 --> 00:21:34,250
Griffith University skeptics or if you

516
00:21:31,069 --> 00:21:36,409
google my name jason j ayso n cooksey

517
00:21:34,250 --> 00:21:38,779
double o ke and you can find our stuff

518
00:21:36,410 --> 00:21:40,070
everywhere all over the internet will

519
00:21:38,779 --> 00:21:41,960
enjoy the rest of the day and good luck

520
00:21:40,069 --> 00:21:45,609
with that future job at the ABC science

521
00:21:41,960 --> 00:21:45,610
you know definitely fingers crossed

522
00:21:54,970 --> 00:22:03,440
this is james randi and you're listening

523
00:21:57,589 --> 00:22:06,319
to the skeptic zone hi this is carrie

524
00:22:03,440 --> 00:22:09,379
papi I'm Ross Fletcher okay Ross hey

525
00:22:06,319 --> 00:22:12,168
we're from a podcast called oh no Ross

526
00:22:09,378 --> 00:22:13,939
and Carrie we find out what happens when

527
00:22:12,169 --> 00:22:16,100
you show up and ask questions we've hung

528
00:22:13,940 --> 00:22:18,440
out with the Cabalists the Mormons we've

529
00:22:16,099 --> 00:22:21,199
gone and gotten ear candle gone to the

530
00:22:18,440 --> 00:22:22,820
Sikhs we show up so you don't have to so

531
00:22:21,200 --> 00:22:24,739
find out where we're going next we'll

532
00:22:22,819 --> 00:22:27,348
even have special episodes where we have

533
00:22:24,739 --> 00:22:29,149
famous guests like Brian Dalton from mr.

534
00:22:27,348 --> 00:22:31,460
deity you heard that awesome theme music

535
00:22:29,148 --> 00:22:35,178
he wrote that you should come visit us

536
00:22:31,460 --> 00:22:37,970
at Oh No podcast.com or facebook.com

537
00:22:35,179 --> 00:22:42,139
slash on rack what the hell's honor a

538
00:22:37,970 --> 00:22:44,659
cross Oh in RAC Oh Oh No Ross and Carrie

539
00:22:42,138 --> 00:22:46,719
that's our show that's a smart come join

540
00:22:44,659 --> 00:22:46,720
us

541
00:22:53,819 --> 00:23:08,769
is some food for thought it's reality

542

00:22:59,140 --> 00:23:09,929
bites with Joanne Ben amoo Food

543
00:23:08,769 --> 00:23:12,369
Standards Australia New Zealand

544
00:23:09,929 --> 00:23:14,679
reiterated warnings last week about

545
00:23:12,369 --> 00:23:17,109
potentially toxic raw apricot kernels

546
00:23:14,679 --> 00:23:19,509
being sold for consumption online and in

547
00:23:17,109 --> 00:23:21,788
health food stores this move came in

548
00:23:19,509 --> 00:23:23,740
response to chai tree an alternative

549
00:23:21,788 --> 00:23:25,480
health company and Victoria who have

550
00:23:23,740 --> 00:23:27,519
reintroduced the kernels to the market

551
00:23:25,480 --> 00:23:31,000
following initially participating in a

552
00:23:27,519 --> 00:23:33,700
recall issued by FSA and Z the company

553
00:23:31,000 --> 00:23:35,919
stated on its website that quote the

554
00:23:33,700 --> 00:23:38,890
consumption of raw apricot kernels may

555
00:23:35,919 --> 00:23:41,169
result in adverse reactions raw apricot

556
00:23:38,890 --> 00:23:43,380

kernels contain amygdalin which releases

557

00:23:41,169 --> 00:23:46,690

naturally-occurring hydrocyanic acid

558

00:23:43,380 --> 00:23:48,130

this is toxic in excess it is the advice

559

00:23:46,690 --> 00:23:50,048

of Food Standards Australia New Zealand

560

00:23:48,130 --> 00:23:52,450

and the Department of Health that may

561

00:23:50,048 --> 00:23:56,079

not be consumed please use responsibly

562

00:23:52,450 --> 00:23:59,620

an archived version of the same website

563

00:23:56,079 --> 00:24:01,599

from 2006 states unfortunately due to

564

00:23:59,619 --> 00:24:03,699

certain regulations imposed by governing

565

00:24:01,599 --> 00:24:05,259

bodies we can't educate you on the

566

00:24:03,700 --> 00:24:07,720

therapeutic properties of apricot

567

00:24:05,259 --> 00:24:10,329

kernels however we will happily direct

568

00:24:07,720 --> 00:24:12,370

you to any necessary information they

569

00:24:10,329 --> 00:24:16,269

provide links to websites including cure

570

00:24:12,369 --> 00:24:18,069

zone b-17 and apricot power all of which

571
00:24:16,269 --> 00:24:20,109
promote the use of amygdalin to treat

572
00:24:18,069 --> 00:24:21,819
cancer and claim that the medical

573
00:24:20,109 --> 00:24:24,250
establishment has tried to suppress it

574
00:24:21,819 --> 00:24:27,038
an initial warning had been issued

575
00:24:24,250 --> 00:24:29,230
earlier in November when FSA and Zed

576
00:24:27,038 --> 00:24:31,450
placed a recall on kernels sold by chai

577
00:24:29,230 --> 00:24:34,089
tree after a Queensland man became

578
00:24:31,450 --> 00:24:37,169
unwell the tested product was found to

579
00:24:34,089 --> 00:24:40,689
contain high levels of hydrocyanic acid

580
00:24:37,169 --> 00:24:42,490
hydrocyanic acid is cyanide and yet the

581
00:24:40,690 --> 00:24:43,990
kernels are touted by some alternative

582
00:24:42,490 --> 00:24:47,589
health proponents as a treatment for

583
00:24:43,990 --> 00:24:49,569
cancer toxicity is increased by oral

584
00:24:47,589 --> 00:24:52,119
consumption due to the way our bodies

585
00:24:49,569 --> 00:24:54,158
metabolize amygdalin which is also found

586
00:24:52,119 --> 00:24:56,798
in other fruit pits and seeds such as

587
00:24:54,159 --> 00:24:58,330
almonds and cherries the bitter form of

588
00:24:56,798 --> 00:25:00,609
the pits is popular with those seeking

589
00:24:58,329 --> 00:25:02,889
alternative treatments as they contain

590
00:25:00,609 --> 00:25:05,349
higher levels of amygdalin

591
00:25:02,890 --> 00:25:07,720
speaking to the Age newspaper professor

592
00:25:05,349 --> 00:25:09,909
in over the cancer council stated that

593
00:25:07,720 --> 00:25:11,650
many people think that if it's derived

594
00:25:09,910 --> 00:25:15,570
from a fruit that it can't be too

595
00:25:11,650 --> 00:25:18,070
harmful but in this case it can be

596
00:25:15,569 --> 00:25:20,439
people are known to consume up to 50

597
00:25:18,069 --> 00:25:23,319
pits per day but even a small number may

598
00:25:20,440 --> 00:25:25,690
be harmful speaking to hospitality

599

00:25:23,319 --> 00:25:28,029
magazine Alan Koontz of the New South

600
00:25:25,690 --> 00:25:30,430
Wales food authorities stated at the

601
00:25:28,029 --> 00:25:32,379
level of hydrocyanic acid detected in

602
00:25:30,430 --> 00:25:34,000
this product only a small number of

603
00:25:32,380 --> 00:25:35,800
apricot kernels would need to be

604
00:25:34,000 --> 00:25:38,259
consumed to reach potentially unsafe

605
00:25:35,799 --> 00:25:41,289
levels according to publish toxicity

606
00:25:38,259 --> 00:25:43,359
data health claims surrounding the

607
00:25:41,289 --> 00:25:45,909
substance date back to Russia in the

608
00:25:43,359 --> 00:25:49,329
mid-1800s gaining popularity in the

609
00:25:45,910 --> 00:25:52,630
1950s when dr. Ernst eat crab senior and

610
00:25:49,329 --> 00:25:54,879
his son earns t cremes jr. promoted the

611
00:25:52,630 --> 00:25:58,480
use of a synthesized form of amygdalin

612
00:25:54,880 --> 00:26:00,160
to treat cancer crab senior and son had

613
00:25:58,480 --> 00:26:02,559

a long history of promoting various

614

00:26:00,160 --> 00:26:04,240

substances as cancer cures and on

615

00:26:02,559 --> 00:26:07,539

notable figures in the history of cancer

616

00:26:04,240 --> 00:26:09,970

quackery krebs claimed that cancerous

617

00:26:07,539 --> 00:26:11,920

cells are rich in an enzyme which causes

618

00:26:09,970 --> 00:26:14,860

release of cyanide from amygdalin

619

00:26:11,920 --> 00:26:17,289

killing the cancerous tissue healthy

620

00:26:14,859 --> 00:26:20,349

tissue is spared by another enzyme which

621

00:26:17,289 --> 00:26:23,379

deactivates the cyanide when authorities

622

00:26:20,349 --> 00:26:27,069

tried to banish krebs rebranded a medlin

623

00:26:23,380 --> 00:26:29,910

as vitamin b17 or layer trial claiming a

624

00:26:27,069 --> 00:26:32,589

deficiency of the vitamin led to cancer

625

00:26:29,910 --> 00:26:34,870

like other pseudo scientific theories

626

00:26:32,589 --> 00:26:36,429

the claimed mechanism of action has

627

00:26:34,869 --> 00:26:39,939

never been shown to have scientific

628
00:26:36,430 --> 00:26:42,190
plausibility a 2006 review from the

629
00:26:39,940 --> 00:26:43,840
Cochrane Collaboration concluded that

630
00:26:42,190 --> 00:26:45,820
claims of benefit for cancer patients

631
00:26:43,839 --> 00:26:49,299
are not supported by data from

632
00:26:45,819 --> 00:26:52,839
controlled clinical trials a 1982 trial

633
00:26:49,299 --> 00:26:55,149
of 175 patients found that in orbit one

634
00:26:52,839 --> 00:26:57,159
patient Jimmer's increased in size

635
00:26:55,150 --> 00:26:59,259
following treatment with authors

636
00:26:57,160 --> 00:27:01,350
concluding that it is a toxic drug that

637
00:26:59,259 --> 00:27:03,700
is not effective as a cancer treatment

638
00:27:01,349 --> 00:27:05,199
there have been numerous cases of

639
00:27:03,700 --> 00:27:07,420
patients seeking treatment with low

640
00:27:05,200 --> 00:27:09,850
trial most notably the late Steve

641
00:27:07,420 --> 00:27:11,620
McQueen he had traveled to Mexico

642
00:27:09,849 --> 00:27:13,869
seeking alternative treatments for a

643
00:27:11,619 --> 00:27:15,109
mesothelioma diagnosis he received in

644
00:27:13,869 --> 00:27:17,629
1979

645
00:27:15,109 --> 00:27:20,269
he reportedly underwent a punishing

646
00:27:17,630 --> 00:27:23,660
regime including up to 50 daily vitamins

647
00:27:20,269 --> 00:27:26,210
coffee enemas and lateral mcqueen died

648
00:27:23,660 --> 00:27:27,650
shortly after claiming recovery having

649
00:27:26,210 --> 00:27:30,950
failed to respond to any of these

650
00:27:27,650 --> 00:27:33,140
treatments another harrowing case was

651
00:27:30,950 --> 00:27:35,210
that of two-year-old Chad Green whose

652
00:27:33,140 --> 00:27:37,580
parents fled to Mexico against court

653
00:27:35,210 --> 00:27:39,829
orders seeking alternative treatment for

654
00:27:37,579 --> 00:27:42,859
his leukemia which had responded well to

655
00:27:39,829 --> 00:27:45,048
chemotherapy Chad's death suggested

656

00:27:42,859 --> 00:27:47,990
cyanide poisoning but the quack watch

657
00:27:45,048 --> 00:27:50,480
website notes that dr. Contreras a noted

658
00:27:47,990 --> 00:27:53,000
proponent of laetrile therapy claimed he

659
00:27:50,480 --> 00:27:55,190
died of leukemia and was a good example

660
00:27:53,000 --> 00:27:59,390
of the effectiveness of laetrile because

661
00:27:55,190 --> 00:28:01,370
he had died of pleasant death in 1975 a

662
00:27:59,390 --> 00:28:03,350
class action lawsuit attempted to force

663
00:28:01,369 --> 00:28:05,989
the FDA to allow terminal cancer

664
00:28:03,349 --> 00:28:09,469
patients to obtain lair trial the case

665
00:28:05,990 --> 00:28:11,058
was initially successful but in 1979 the

666
00:28:09,470 --> 00:28:13,190
US Supreme Court rejected the argument

667
00:28:11,058 --> 00:28:17,000
the terminal patients be exempted from

668
00:28:13,190 --> 00:28:19,700
FDA regulation while it has been banned

669
00:28:17,000 --> 00:28:22,099
for sale in many countries hospitals in

670
00:28:19,700 --> 00:28:24,200

Mexico such as the Oasis of Hope cancer

671

00:28:22,099 --> 00:28:26,629
hospital continue to offer it as a

672

00:28:24,200 --> 00:28:29,440
treatment and many websites offering

673

00:28:26,630 --> 00:28:32,179
alternative cancer cures promote its use

674

00:28:29,440 --> 00:28:43,490
Cancer Council are calling for a ban on

675

00:28:32,179 --> 00:28:45,620
the Colonel's now on Belfast FM we turn

676

00:28:43,490 --> 00:28:47,779
to the personal ads easing going and

677

00:28:45,619 --> 00:28:50,000
confident skeptic seeks other critical

678

00:28:47,779 --> 00:28:52,339
thinkers for fun laughter and good times

679

00:28:50,000 --> 00:28:54,740
must be willing to apply logic liberally

680

00:28:52,339 --> 00:28:56,750
and a good listener expect something new

681

00:28:54,740 --> 00:28:58,370
and interesting every month come and

682

00:28:56,750 --> 00:29:00,259
meet me in Belfast in Northern Ireland

683

00:28:58,369 --> 00:29:03,678
if this sounds like you check out my

684

00:29:00,259 --> 00:29:11,119
profile on bail for skeptics calm music

685
00:29:03,679 --> 00:29:13,290
by Kevin MacLeod join us now for

686
00:29:11,119 --> 00:29:21,629
drinking skeptically

687
00:29:13,289 --> 00:29:23,339
in the think tank of the cut being made

688
00:29:21,630 --> 00:29:25,620
the cuts themselves in Mali it was the

689
00:29:23,339 --> 00:29:28,889
thought of that Richard is recording us

690
00:29:25,619 --> 00:29:32,219
now hello hello hello Iran hello dr.

691
00:29:28,890 --> 00:29:33,840
racy and welcome to this interesting

692
00:29:32,220 --> 00:29:35,640
thing tank we have for you this week

693
00:29:33,839 --> 00:29:37,319
we're not coming to you from our

694
00:29:35,640 --> 00:29:39,930
favorite club down the end of the street

695
00:29:37,319 --> 00:29:44,609
indeed we're coming to you from Iran sir

696
00:29:39,930 --> 00:29:46,529
gives learn drew come office sort of

697
00:29:44,609 --> 00:29:48,479
utility so they deal until we finish

698
00:29:46,529 --> 00:29:50,519
renovating the this is the office as

699
00:29:48,480 --> 00:29:52,319
well as the lounge so we've decided to

700
00:29:50,519 --> 00:29:54,119
come to a completely different part of

701
00:29:52,319 --> 00:29:57,419
Sydney Town thanks thanks to a bunch of

702
00:29:54,119 --> 00:29:58,859
Nana's and my numpty RSL we were going

703
00:29:57,420 --> 00:30:00,630
to be in another club but it didn't

704
00:29:58,859 --> 00:30:04,019
quite work out so here we are

705
00:30:00,630 --> 00:30:05,520
nevertheless and I must say that the the

706
00:30:04,019 --> 00:30:07,980
biggest thing that's happened and as

707
00:30:05,519 --> 00:30:09,990
listeners know earlier early in the show

708
00:30:07,980 --> 00:30:12,450
was our little convention and what a

709
00:30:09,990 --> 00:30:14,579
great success that was very very good I

710
00:30:12,450 --> 00:30:16,740
think we all enjoyed taking part of that

711
00:30:14,579 --> 00:30:19,829
and the dinner was great good fun good

712
00:30:16,740 --> 00:30:22,920
fun all around and Thank You Iran for

713

00:30:19,829 --> 00:30:24,960
doing the lion's share of the work to

714
00:30:22,920 --> 00:30:26,490
get that together thank you it was

715
00:30:24,960 --> 00:30:29,819
really good say the highlight for me was

716
00:30:26,490 --> 00:30:32,730
done Peter Daugherty's talk it was just

717
00:30:29,819 --> 00:30:35,369
absolutely fantastic he's brilliant is

718
00:30:32,730 --> 00:30:37,559
yeah it was just so inspiring I like yes

719
00:30:35,369 --> 00:30:41,339
that was very good and i also like Peter

720
00:30:37,559 --> 00:30:43,139
Hatfield yes potholder 54 only 54 in

721
00:30:41,339 --> 00:30:45,959
that was great to see him and dr. Reggie

722
00:30:43,140 --> 00:30:50,160
of course gave a great talk i was i have

723
00:30:45,960 --> 00:30:52,710
to say i like the paddle most well

724
00:30:50,160 --> 00:30:54,509
that's I wonder why I up a little bit

725
00:30:52,710 --> 00:30:57,750
sika nice probably sounded like um

726
00:30:54,509 --> 00:30:59,640
Sylvia Browne at the moment it's now

727
00:30:57,750 --> 00:31:03,359

hopping all as we speak rachel has got a

728

00:30:59,640 --> 00:31:04,860

little full of worms look yeah it's a

729

00:31:03,359 --> 00:31:08,659

little worm was just crawling on your

730

00:31:04,859 --> 00:31:12,569

shoulder oh I let it out don't know me

731

00:31:08,660 --> 00:31:14,880

now that the panel that we would it goes

732

00:31:12,569 --> 00:31:16,319

out the door the it was like one of

733

00:31:14,880 --> 00:31:19,110

these little caterpillar

734

00:31:16,319 --> 00:31:20,689

each way yeah probably would have got

735

00:31:19,109 --> 00:31:23,278

around to my feel like I just

736

00:31:20,690 --> 00:31:27,240

participated in a in a worm edition of

737

00:31:23,278 --> 00:31:29,369

free will the panel we were discussing

738

00:31:27,240 --> 00:31:32,099

just now from our national convention

739

00:31:29,369 --> 00:31:35,069

was sort of a health panel it was about

740

00:31:32,099 --> 00:31:37,699

the title was regulating alternative

741

00:31:35,069 --> 00:31:41,819

medicine or regular regulating medicine

742
00:31:37,700 --> 00:31:44,399
and the the moderator was Christopher's

743
00:31:41,819 --> 00:31:46,259
in from choice good news so it was very

744
00:31:44,398 --> 00:31:48,538
I mean he's done it a lot he's done that

745
00:31:46,259 --> 00:31:50,399
a few times before but it was very good

746
00:31:48,538 --> 00:31:52,798
he was very and I should point out that

747
00:31:50,398 --> 00:31:56,339
the choice has just given an honorary

748
00:31:52,798 --> 00:31:58,798
shonky oras or dishonorable mention in

749
00:31:56,339 --> 00:32:00,418
the shang keys to the TGA which is good

750
00:31:58,798 --> 00:32:02,700
because one of the members of the panel

751
00:32:00,419 --> 00:32:05,340
was drawn hammer doctor dr. Owen Hammett

752
00:32:02,700 --> 00:32:08,308
who is the national head of the TGA

753
00:32:05,339 --> 00:32:12,119
which was I thought it a nice nice cool

754
00:32:08,308 --> 00:32:14,579
for us we also had Marcus Betsy who is

755
00:32:12,119 --> 00:32:18,268
the head of compliance unit with the a

756
00:32:14,579 --> 00:32:21,269
Triple C and ken harvey which which has

757
00:32:18,269 --> 00:32:24,778
this thorn in their side serial

758
00:32:21,269 --> 00:32:26,149
complainer and I continued to do that so

759
00:32:24,778 --> 00:32:28,710
the tunnel and I thought it was a great

760
00:32:26,148 --> 00:32:32,250
just to remind listeners of course the

761
00:32:28,710 --> 00:32:34,259
TGA is the therapeutics Goods

762
00:32:32,250 --> 00:32:37,169
Administration it's the equivalent of

763
00:32:34,259 --> 00:32:39,628
the FDA in this in the state so i guess

764
00:32:37,169 --> 00:32:45,299
the NHS not really the UHS but yeah

765
00:32:39,628 --> 00:32:48,798
what's it it's more o.o actually a 19

766
00:32:45,298 --> 00:32:51,990
the UK it's something wrong mhm a

767
00:32:48,798 --> 00:32:56,278
medicine and health regulatory mrs I

768
00:32:51,990 --> 00:32:58,919
know that society get something back

769
00:32:56,278 --> 00:33:02,819
mhra oh sorry I have some emails with

770

00:32:58,919 --> 00:33:05,250
Alan Anderson oh yeah engine it but the

771
00:33:02,819 --> 00:33:07,168
a Triple C stands for the Australian

772
00:33:05,250 --> 00:33:09,808
Competition and Consumer Commission

773
00:33:07,169 --> 00:33:13,288
which is sort of like in America's sort

774
00:33:09,808 --> 00:33:16,528
of like the FTC is this is this how many

775
00:33:13,288 --> 00:33:18,929
acronyms can return to a think tank but

776
00:33:16,528 --> 00:33:20,150
but the point is like every minute he

777
00:33:18,929 --> 00:33:23,920
lays

778
00:33:20,150 --> 00:33:26,090
you're single the a trip will see is the

779
00:33:23,920 --> 00:33:29,029
organization in Australia that actually

780
00:33:26,089 --> 00:33:31,639
does stuff and has teeth yes and the TTA

781
00:33:29,029 --> 00:33:33,730
and is the paper tiger as can be seen

782
00:33:31,640 --> 00:33:36,290
but I thought it was so interesting that

783
00:33:33,730 --> 00:33:39,980
Ken gave the first presentation because

784
00:33:36,289 --> 00:33:42,079

the the thought the the panel was such

785

00:33:39,980 --> 00:33:44,420

that each person gave 10 minutes and

786

00:33:42,079 --> 00:33:47,299

then there was a discussion and Ken

787

00:33:44,420 --> 00:33:49,670

started off just slamming the TGA and

788

00:33:47,299 --> 00:33:52,430

actually put up a picture of an origami

789

00:33:49,670 --> 00:33:56,690

tiger I don't think name next to it

790

00:33:52,430 --> 00:33:58,279

paper tiger today and I that Rowan

791

00:33:56,690 --> 00:34:00,920

Hammett didn't look particularly

792

00:33:58,279 --> 00:34:03,829

comfortable for the hour and a half he

793

00:34:00,920 --> 00:34:05,600

SAT there no I mean good item for

794

00:34:03,829 --> 00:34:07,069

turning up one point I did feel a little

795

00:34:05,599 --> 00:34:09,559

bit sorry for him but then he started

796

00:34:07,069 --> 00:34:11,480

spouting logical fallacies about but

797

00:34:09,559 --> 00:34:15,230

people die of paracetamol overdoses

798

00:34:11,480 --> 00:34:18,139

every year so leave Camelot he was he I

799
00:34:15,230 --> 00:34:21,050
should be snapping basis of what he was

800
00:34:18,139 --> 00:34:23,418
saying and at some level I could kind of

801
00:34:21,050 --> 00:34:26,240
get what you saying but it doesn't

802
00:34:23,418 --> 00:34:28,879
actually to me justify the situation the

803
00:34:26,239 --> 00:34:31,609
argument seems to be that cam is seen as

804
00:34:28,880 --> 00:34:34,280
being low risk and therefore the Wayne

805
00:34:31,610 --> 00:34:36,919
TGA handles it is to say it's low risk

806
00:34:34,280 --> 00:34:38,750
and therefore at some level we can were

807
00:34:36,918 --> 00:34:42,408
comfortable with this situation of

808
00:34:38,750 --> 00:34:47,000
low-risk products not having as much

809
00:34:42,409 --> 00:34:49,519
scrutiny and and oversight compared to

810
00:34:47,000 --> 00:34:50,780
high-risk things like oh look over here

811
00:34:49,519 --> 00:34:52,699
medications caused all these problems

812
00:34:50,780 --> 00:34:54,080
and people die from medications every

813
00:34:52,699 --> 00:34:55,789
year and therefore we have to focus more

814
00:34:54,079 --> 00:34:57,460
over there and that just doesn't cut it

815
00:34:55,789 --> 00:35:00,679
for me as far as I'm concerned it's

816
00:34:57,460 --> 00:35:02,630
still there there are still significant

817
00:35:00,679 --> 00:35:04,429
risks well he was changing the subject

818
00:35:02,630 --> 00:35:07,640
but he was also he was also making

819
00:35:04,429 --> 00:35:09,259
excuses because the thing is they're not

820
00:35:07,639 --> 00:35:11,869
doing the other one the other part as

821
00:35:09,260 --> 00:35:14,140
well which which we know as of the last

822
00:35:11,869 --> 00:35:18,769
couple days there's a big issue with

823
00:35:14,139 --> 00:35:21,619
with the hip replacements so and we know

824
00:35:18,769 --> 00:35:23,480
there's been issues with nurofen with

825
00:35:21,619 --> 00:35:24,859
the advertising for neuro so that it's

826
00:35:23,480 --> 00:35:27,679
not like they're doing such a good job

827

00:35:24,860 --> 00:35:30,019
on the on the high-risk medicine side

828
00:35:27,679 --> 00:35:32,239
either and I think part of the problem

829
00:35:30,019 --> 00:35:35,000
is with with dr. Hamid is

830
00:35:32,239 --> 00:35:38,029
he does find excuses and we saw that

831
00:35:35,000 --> 00:35:39,559
recently with a the issue with the audit

832
00:35:38,030 --> 00:35:41,869
so they ran it the way it works just

833
00:35:39,559 --> 00:35:46,279
very generally and correct me if I'm

834
00:35:41,869 --> 00:35:48,230
wrong eh the that the aust that we have

835
00:35:46,280 --> 00:35:50,990
two types of registration or post our

836
00:35:48,230 --> 00:35:52,760
registration registered products there

837
00:35:50,989 --> 00:35:54,559
are the ones that are like normal

838
00:35:52,760 --> 00:35:57,230
medications basically and they have to

839
00:35:54,559 --> 00:35:59,360
go through all the double-blind testing

840
00:35:57,230 --> 00:36:01,190
and phase 1 2 3 and all those things in

841
00:35:59,360 --> 00:36:02,900

and with monitoring continuing through

842

00:36:01,190 --> 00:36:06,380

phase 4 and in that those are the

843

00:36:02,900 --> 00:36:08,539

registered products the listed products

844

00:36:06,380 --> 00:36:11,059

we had which have an austell number are

845

00:36:08,539 --> 00:36:13,179

simply declared by their sponsors that

846

00:36:11,059 --> 00:36:16,480

they have they include certain

847

00:36:13,179 --> 00:36:19,699

ingredients that are part of a list of

848

00:36:16,480 --> 00:36:22,130

Priya Priya pre-approved ingredients at

849

00:36:19,699 --> 00:36:23,689

a low risk and they say they make the

850

00:36:22,130 --> 00:36:25,849

claims they actually write this free

851

00:36:23,690 --> 00:36:27,710

free text that they can put in that

852

00:36:25,849 --> 00:36:29,210

explains what the product does but

853

00:36:27,710 --> 00:36:30,889

nobody reading hold them to account in

854

00:36:29,210 --> 00:36:32,929

terms o and they say we have the

855

00:36:30,889 --> 00:36:34,368

evidence yeah and I can do it all online

856
00:36:32,929 --> 00:36:35,899
but basically it could do it all online

857
00:36:34,369 --> 00:36:37,430
you pay a hundred and ninety-eight

858
00:36:35,900 --> 00:36:39,320
dollars or something and you get you get

859
00:36:37,429 --> 00:36:42,049
the number that doesn't thought section

860
00:36:39,320 --> 00:36:44,000
oh okay was it no way rather than

861
00:36:42,050 --> 00:36:46,940
something well that makes a huge

862
00:36:44,000 --> 00:36:51,199
difference yes clinical trials are about

863
00:36:46,940 --> 00:36:53,750
a segment Mary money okay so yeah I

864
00:36:51,199 --> 00:36:55,939
remember Pfizer's budget a clinical

865
00:36:53,750 --> 00:36:57,650
research budget i think is 6.2 billion

866
00:36:55,940 --> 00:37:00,230
dollars a year or something i just saw

867
00:36:57,650 --> 00:37:03,200
something really question so anyway the

868
00:37:00,230 --> 00:37:05,570
fam the thing is the thing is they what

869
00:37:03,199 --> 00:37:07,009
what they do the listed product is that

870
00:37:05,570 --> 00:37:09,769
they're supposed to audit a certain

871
00:37:07,010 --> 00:37:11,300
number every year and in recent audit

872
00:37:09,769 --> 00:37:14,269
they found ninety percent were

873
00:37:11,300 --> 00:37:17,090
non-compliant now some of them were

874
00:37:14,269 --> 00:37:19,759
non-compliant on trivial matters like

875
00:37:17,090 --> 00:37:22,280
the size of certain things on the on the

876
00:37:19,760 --> 00:37:24,820
laser device yes yeah so some of them

877
00:37:22,280 --> 00:37:27,769
were or something's missing and but but

878
00:37:24,820 --> 00:37:28,880
the point is that first of all ninety

879
00:37:27,769 --> 00:37:30,829
percent of them were found to be

880
00:37:28,880 --> 00:37:32,539
non-compliant but within those ninety

881
00:37:30,829 --> 00:37:34,909
percent the vast majority were also

882
00:37:32,539 --> 00:37:36,559
non-compliant on many other way many

883
00:37:34,909 --> 00:37:38,960
other things some of which are quite

884

00:37:36,559 --> 00:37:40,969
serious but when row and Hammett was

885
00:37:38,960 --> 00:37:43,460
interviewed on the radio about it he

886
00:37:40,969 --> 00:37:44,980
said oh most of them were trivial most

887
00:37:43,460 --> 00:37:47,050
of them were things like labeling and

888
00:37:44,980 --> 00:37:49,840
like that which is patently not true i

889
00:37:47,050 --> 00:37:53,650
mean the numbers are out there and it's

890
00:37:49,840 --> 00:37:56,440
just not true that that the majority are

891
00:37:53,650 --> 00:37:58,269
minor things the majority I actually can

892
00:37:56,440 --> 00:38:00,639
I can I make a further point on that too

893
00:37:58,269 --> 00:38:04,869
in terms of obfuscation in with respect

894
00:38:00,639 --> 00:38:07,059
to dr. Hammett that audit only covered a

895
00:38:04,869 --> 00:38:09,280
very small percentage of the 10,000

896
00:38:07,059 --> 00:38:11,079
products that are listed so in the very

897
00:38:09,280 --> 00:38:13,330
small amount that they audited ninety

898
00:38:11,079 --> 00:38:15,429

percent didn't comply and the tj's

899

00:38:13,329 --> 00:38:17,949

excuse after that two ones well we only

900

00:38:15,429 --> 00:38:20,559

actually covered a small number so if we

901

00:38:17,949 --> 00:38:25,299

actually audited more it probably would

902

00:38:20,559 --> 00:38:27,070

you know revert to the mean no no if you

903

00:38:25,300 --> 00:38:29,080

started off with ninety percent wrong

904

00:38:27,070 --> 00:38:31,630

it's unlikely you're going to go back to

905

00:38:29,079 --> 00:38:33,279

ten percent you know if you increase the

906

00:38:31,630 --> 00:38:34,869

number of products that you audit it's

907

00:38:33,280 --> 00:38:37,510

just me that's that's the kind of

908

00:38:34,869 --> 00:38:40,510

obfuscation and rhetoric that he was

909

00:38:37,510 --> 00:38:42,520

using on Saturday he was he was yes just

910

00:38:40,510 --> 00:38:44,590

to get out of every question and every

911

00:38:42,519 --> 00:38:46,179

excuse in the world a lot of angle a lot

912

00:38:44,590 --> 00:38:48,130

of people making the comment ities

913
00:38:46,179 --> 00:38:50,799
sounded like a typical politician I

914
00:38:48,130 --> 00:38:52,269
don't know I know whether you'd agree

915
00:38:50,800 --> 00:38:54,910
with me but the thing that gets me is

916
00:38:52,269 --> 00:38:59,380
let's let's assume that all of these

917
00:38:54,909 --> 00:39:01,089
products are actually low risk that they

918
00:38:59,380 --> 00:39:03,510
really you know there is nothing that

919
00:39:01,090 --> 00:39:05,829
could cause any harm and that's all fine

920
00:39:03,510 --> 00:39:07,810
the fact remains and what still bothers

921
00:39:05,829 --> 00:39:10,179
me is that I'm not comfortable with the

922
00:39:07,809 --> 00:39:13,239
fact that the TGA would have an attitude

923
00:39:10,179 --> 00:39:17,108
that low risk in terms of physical harm

924
00:39:13,239 --> 00:39:19,149
which isn't obviously important means

925
00:39:17,108 --> 00:39:21,069
therefore it's okay with consumers who

926
00:39:19,150 --> 00:39:23,950
maybe two nite and you don't know better

927
00:39:21,070 --> 00:39:26,380
being ripped off that's not but I think

928
00:39:23,949 --> 00:39:31,179
actually that's not the TGA the problem

929
00:39:26,380 --> 00:39:33,400
is the law the TGA should enforce what

930
00:39:31,179 --> 00:39:35,440
the law says okay there is a problem

931
00:39:33,400 --> 00:39:37,510
with the law yeah it has this whole the

932
00:39:35,440 --> 00:39:39,429
whole listed thing is just ridiculous

933
00:39:37,510 --> 00:39:41,560
because it it gives them a an air

934
00:39:39,429 --> 00:39:43,599
there's an air of being endorsed and

935
00:39:41,559 --> 00:39:44,949
superior like approved by really to say

936
00:39:43,599 --> 00:39:46,839
approved like that it's actually a

937
00:39:44,949 --> 00:39:48,819
ridiculous if anybody knows how the

938
00:39:46,840 --> 00:39:50,800
system works knows that it hasn't been

939
00:39:48,820 --> 00:39:52,570
approved or these products haven't been

940
00:39:50,800 --> 00:39:53,530
approved so I think that's a problem

941

00:39:52,570 --> 00:39:55,480
with the law but the problem is that

942
00:39:53,530 --> 00:39:56,790
within the law there's things they can

943
00:39:55,480 --> 00:40:00,990
do to make things better

944
00:39:56,789 --> 00:40:03,420
huh and they don't know the topic of Ed

945
00:40:00,989 --> 00:40:06,449
candles came up or as an example to him

946
00:40:03,420 --> 00:40:08,820
and his attitude was all well if we if

947
00:40:06,449 --> 00:40:10,980
we d list one of them then they just

948
00:40:08,820 --> 00:40:14,670
alter the claims and listed against

949
00:40:10,980 --> 00:40:16,380
that's like but and he kept on saying as

950
00:40:14,670 --> 00:40:20,550
if this would make us feel better and I

951
00:40:16,380 --> 00:40:24,210
mean seriously he was sitting facing 120

952
00:40:20,550 --> 00:40:26,550
skeptics important some sorry 140 some

953
00:40:24,210 --> 00:40:28,230
of whom have read the legislation some

954
00:40:26,550 --> 00:40:31,110
of whom have read the National Audit and

955
00:40:28,230 --> 00:40:33,000

not quite well and saying ah but you

956

00:40:31,110 --> 00:40:35,460

know you guys are really awesome because

957

00:40:33,000 --> 00:40:37,920

you need to keep complaining and then we

958

00:40:35,460 --> 00:40:40,860

can do stuff about it and it's like no

959

00:40:37,920 --> 00:40:43,349

no no no no that's not how it works you

960

00:40:40,860 --> 00:40:45,420

should be proactive about this not and

961

00:40:43,349 --> 00:40:47,009

what does he expect us all to go harder

962

00:40:45,420 --> 00:40:49,139

that's okay then because we're all

963

00:40:47,010 --> 00:40:50,400

really good and we met cries I mean we

964

00:40:49,139 --> 00:40:52,139

have to talk to you thank you for doing

965

00:40:50,400 --> 00:40:53,820

my job boy yeah and we know where those

966

00:40:52,139 --> 00:40:57,119

complaints go into a dirty big black

967

00:40:53,820 --> 00:40:59,580

hole that we and we don't I mean this

968

00:40:57,119 --> 00:41:02,730

this is I just drives me insane but you

969

00:40:59,579 --> 00:41:04,199

know I blogged about this a couple of

970
00:41:02,730 --> 00:41:07,590
days ago where there was a Freedom of

971
00:41:04,199 --> 00:41:11,189
Information Act passed granted on a

972
00:41:07,590 --> 00:41:12,809
piece of data from the TGA which was

973
00:41:11,190 --> 00:41:15,389
basically a list of sponsors that had

974
00:41:12,809 --> 00:41:17,250
breached the legislation and somebody

975
00:41:15,389 --> 00:41:19,170
said look I need to know which ones have

976
00:41:17,250 --> 00:41:22,170
breached and why and they released this

977
00:41:19,170 --> 00:41:26,010
document and I swear to god it is it's

978
00:41:22,170 --> 00:41:28,349
beautiful it is like maybe you can put

979
00:41:26,010 --> 00:41:30,240
it on its blog right yeah it's all it's

980
00:41:28,349 --> 00:41:33,329
on my blog it's the current place the

981
00:41:30,239 --> 00:41:36,419
skeptics pooh pooh pooh yeah it's got

982
00:41:33,329 --> 00:41:38,880
the the name of that it says I RTG TGA

983
00:41:36,420 --> 00:41:40,500
and then it's got a fax mark at the

984
00:41:38,880 --> 00:41:43,530
bottom and the middle is a black

985
00:41:40,500 --> 00:41:46,349
rectangle that's the revised things

986
00:41:43,530 --> 00:41:48,090
being redacted filled in it's been

987
00:41:46,349 --> 00:41:50,639
redacted to the point where you can see

988
00:41:48,090 --> 00:41:53,480
the frame of the page yes yeah and

989
00:41:50,639 --> 00:41:56,579
that's their transparency it's just

990
00:41:53,480 --> 00:41:59,070
absolutely hopeless Joe your highlighter

991
00:41:56,579 --> 00:42:01,650
has been busy oh it's been so busy I

992
00:41:59,070 --> 00:42:04,350
know I had also fun with my highlighters

993
00:42:01,650 --> 00:42:05,760
I can tell from here only one color any

994
00:42:04,349 --> 00:42:07,259
one color though and I don't know I've

995
00:42:05,760 --> 00:42:08,430
got to really interesting stories too

996
00:42:07,260 --> 00:42:09,430
sweet so I'm just trying to decide which

997
00:42:08,429 --> 00:42:11,679
one

998

00:42:09,429 --> 00:42:15,039
well the most interesting are they both

999
00:42:11,679 --> 00:42:18,159
are they both are um how about I start

1000
00:42:15,039 --> 00:42:20,858
with them with this one I'm you might

1001
00:42:18,159 --> 00:42:22,899
have seen as some on twitter if you read

1002
00:42:20,858 --> 00:42:24,789
the guide in if you follow george

1003
00:42:22,900 --> 00:42:26,380
monbiot pronounce his name correctly

1004
00:42:24,789 --> 00:42:28,929
he's a journalist who writes for The

1005
00:42:26,380 --> 00:42:31,630
Guardian and he wrote a really

1006
00:42:28,929 --> 00:42:34,960
interesting piece in The Guardian a

1007
00:42:31,630 --> 00:42:38,410
couple of days ago it's really really

1008
00:42:34,960 --> 00:42:42,130
worrying actually and a gentleman by the

1009
00:42:38,409 --> 00:42:43,808
name of dr. Christopher Busby who is a

1010
00:42:42,130 --> 00:42:46,568
visiting professor at the University of

1011
00:42:43,809 --> 00:42:48,880
Ulster and also is the former science

1012
00:42:46,568 --> 00:42:53,199

and technology spokesman for the Green

1013

00:42:48,880 --> 00:42:55,660

Party in the UK is it is basically

1014

00:42:53,199 --> 00:42:58,529

promoting anti radiation pills to people

1015

00:42:55,659 --> 00:43:01,598

in Japan who were affected by Fukushima

1016

00:42:58,530 --> 00:43:05,829

now what's what's particularly

1017

00:43:01,599 --> 00:43:07,720

concerning about all this is that um you

1018

00:43:05,829 --> 00:43:09,910

should really really recommend the two

1019

00:43:07,719 --> 00:43:11,769

that you read the two articles that he

1020

00:43:09,909 --> 00:43:14,048

wrote because some that they're just

1021

00:43:11,769 --> 00:43:16,900

it's really good journalism very very

1022

00:43:14,048 --> 00:43:19,659

interesting but he's selling a range of

1023

00:43:16,900 --> 00:43:23,108

mineral supplements urine tests and food

1024

00:43:19,659 --> 00:43:27,750

tests to the Japanese population all at

1025

00:43:23,108 --> 00:43:31,739

rather exorbitant prices so it must be

1026

00:43:27,750 --> 00:43:34,449

runs a company called busby laboratories

1027
00:43:31,739 --> 00:43:35,979
which are providing these tests and he's

1028
00:43:34,449 --> 00:43:37,689
promoting them through an organization

1029
00:43:35,980 --> 00:43:41,019
called the Christopher Busby foundation

1030
00:43:37,690 --> 00:43:43,329
for children of Fukushima and both of

1031
00:43:41,019 --> 00:43:44,739
the both the pills and the tests are

1032
00:43:43,329 --> 00:43:47,440
being sold through a website in

1033
00:43:44,739 --> 00:43:53,139
California called for you dash detox

1034
00:43:47,440 --> 00:43:54,309
calm now what's particularly uh about

1035
00:43:53,139 --> 00:43:55,750
this whole thing aside from the fact

1036
00:43:54,309 --> 00:43:58,119
that there is absolutely no evidence

1037
00:43:55,750 --> 00:44:00,818
what he's doing is that he's also making

1038
00:43:58,119 --> 00:44:03,068
some really really ugly claims about

1039
00:44:00,818 --> 00:44:06,900
what's going on in Japan but what's

1040
00:44:03,068 --> 00:44:09,940
being done by Japanese government he is

1041
00:44:06,900 --> 00:44:12,099
he is what he warns in these videos

1042
00:44:09,940 --> 00:44:14,048
which he's put online of a public health

1043
00:44:12,099 --> 00:44:16,450
catastrophe and Japan caused by the

1044
00:44:14,048 --> 00:44:18,219
Fukushima disaster and he claims that

1045
00:44:16,449 --> 00:44:19,929
radioactive cesium will destroy the

1046
00:44:18,219 --> 00:44:20,929
heart muscles of Japanese children which

1047
00:44:19,929 --> 00:44:23,088
there is absolutely

1048
00:44:20,929 --> 00:44:24,919
no evidence for just the heart muscles

1049
00:44:23,088 --> 00:44:27,650
because I see different muscles in Italy

1050
00:44:24,920 --> 00:44:29,450
he alleges that and I'm quoting directly

1051
00:44:27,650 --> 00:44:32,059
from the article here he alleges that

1052
00:44:29,449 --> 00:44:33,439
the jack that the sorry he alleges that

1053
00:44:32,059 --> 00:44:35,510
the Japanese government is tracking

1054
00:44:33,440 --> 00:44:37,818
radioactive material from the Fukushima

1055

00:44:35,510 --> 00:44:39,859
site all over Japan in order to increase

1056
00:44:37,818 --> 00:44:41,358
the cancer rate in the whole of Japan so

1057
00:44:39,858 --> 00:44:44,000
that there will be no control group of

1058
00:44:41,358 --> 00:44:45,469
children unaffected by the disaster in

1059
00:44:44,000 --> 00:44:47,449
order to help the Japanese government

1060
00:44:45,469 --> 00:44:48,649
prevent potential lawsuits from people

1061
00:44:47,449 --> 00:44:50,598
whose health may have been affected by

1062
00:44:48,650 --> 00:44:56,930
the village this is the part where we

1063
00:44:50,599 --> 00:44:59,030
move away from detox pills into was it

1064
00:44:56,929 --> 00:45:03,558
the lithium what do you what did you

1065
00:44:59,030 --> 00:45:05,660
people who are lithium yeah

1066
00:45:03,559 --> 00:45:09,349
antipsychotics yeah I me psychotics I

1067
00:45:05,659 --> 00:45:12,710
mean clearly this is really my job I

1068
00:45:09,349 --> 00:45:14,420
know um look this this guy's got along

1069
00:45:12,710 --> 00:45:16,460

the history of being associated with the

1070

00:45:14,420 --> 00:45:18,200

Green Party in the UK and in fact this

1071

00:45:16,460 --> 00:45:20,900

was the comment made by I'm George

1072

00:45:18,199 --> 00:45:22,699

Monbiot which is that the the claims of

1073

00:45:20,900 --> 00:45:26,510

this man are doing serious damage to the

1074

00:45:22,699 --> 00:45:29,118

Green Party by association apparently he

1075

00:45:26,510 --> 00:45:30,589

he had a history in the past of claiming

1076

00:45:29,119 --> 00:45:33,068

that there was a leukemia cluster

1077

00:45:30,588 --> 00:45:35,449

amongst children living in Wales

1078

00:45:33,068 --> 00:45:37,219

interestingly his and what he said here

1079

00:45:35,449 --> 00:45:38,328

is that his findings were self were self

1080

00:45:37,219 --> 00:45:40,608

published and released by the

1081

00:45:38,329 --> 00:45:43,010

environmental consultancy and research

1082

00:45:40,608 --> 00:45:44,659

organization that he runs so they've

1083

00:45:43,010 --> 00:45:47,240

never been subject to peer review and

1084
00:45:44,659 --> 00:45:50,899
that when his claims were scrutinized by

1085
00:45:47,239 --> 00:45:54,500
by scientists this is very interesting

1086
00:45:50,900 --> 00:45:56,568
here young his statistical mistakes were

1087
00:45:54,500 --> 00:45:58,400
so astonishing that he countered the

1088
00:45:56,568 --> 00:46:01,489
overall the kamir incidents for Wales

1089
00:45:58,400 --> 00:46:03,260
twice just mixed up the figures from

1090
00:46:01,489 --> 00:46:05,479
urban areas with those from small rural

1091
00:46:03,260 --> 00:46:07,130
areas claimed there were 10 cases of

1092
00:46:05,480 --> 00:46:08,869
leukemia and young children in this

1093
00:46:07,130 --> 00:46:11,480
particular area when in reality there

1094
00:46:08,869 --> 00:46:13,099
was just one case and and as he says

1095
00:46:11,480 --> 00:46:14,900
here worst of all they found clear

1096
00:46:13,099 --> 00:46:16,609
evidence of data dredging which renders

1097
00:46:14,900 --> 00:46:20,210
all subsequent statistical inference

1098
00:46:16,608 --> 00:46:22,789
spurious there's no luxury how would you

1099
00:46:20,210 --> 00:46:24,409
describe it agent rotated Reggie it's

1100
00:46:22,789 --> 00:46:28,460
like data my own which is like cherry

1101
00:46:24,409 --> 00:46:32,329
picking yeah okay yeah um and at

1102
00:46:28,460 --> 00:46:34,250
and and so I mean this man is just

1103
00:46:32,329 --> 00:46:36,019
making these claims but in addition to

1104
00:46:34,250 --> 00:46:37,460
that he's selling visa making sure

1105
00:46:36,019 --> 00:46:40,940
though she's basically making up

1106
00:46:37,460 --> 00:46:42,980
but he's charging people a phenomenal

1107
00:46:40,940 --> 00:46:44,630
amount of money he's charging thousands

1108
00:46:42,980 --> 00:46:46,490
and thousands of dollars for these tests

1109
00:46:44,630 --> 00:46:48,858
I mean he's charging like four urines

1110
00:46:46,489 --> 00:46:50,899
your stories oh so many times before

1111
00:46:48,858 --> 00:46:52,819
it's just another I mean it's just one

1112

00:46:50,900 --> 00:46:54,800
on me and you know what the you know

1113
00:46:52,820 --> 00:46:56,990
what the amazing thing is that we hear

1114
00:46:54,800 --> 00:47:00,200
this story time in the game and did you

1115
00:46:56,989 --> 00:47:04,098
notice how often it happens this is when

1116
00:47:00,199 --> 00:47:06,139
when he did some terrible tragedy yeah

1117
00:47:04,099 --> 00:47:09,260
and these people are preying on human

1118
00:47:06,139 --> 00:47:11,348
misery yeah it's just absolutely hauling

1119
00:47:09,260 --> 00:47:14,780
what but what I found particularly

1120
00:47:11,349 --> 00:47:16,220
important easier what I found

1121
00:47:14,780 --> 00:47:19,700
particularly important but about what

1122
00:47:16,219 --> 00:47:21,469
was being said was that he touches on

1123
00:47:19,699 --> 00:47:23,269
the fact that the young the green

1124
00:47:21,469 --> 00:47:26,269
movement needs to really distance

1125
00:47:23,269 --> 00:47:27,230
themselves from people like this and I

1126
00:47:26,269 --> 00:47:30,588

mean you know we've looked at things

1127

00:47:27,230 --> 00:47:32,719

like the issues of GM food and you know

1128

00:47:30,588 --> 00:47:33,980

I think you know a lot of people really

1129

00:47:32,719 --> 00:47:35,750

want to be able to support the

1130

00:47:33,980 --> 00:47:37,280

environmental movement in terms of

1131

00:47:35,750 --> 00:47:41,500

dealing with climate change and so on

1132

00:47:37,280 --> 00:47:43,640

but when we see the sort of the

1133

00:47:41,500 --> 00:47:46,519

environmental side supporting really

1134

00:47:43,639 --> 00:47:49,279

anti science stop I was no accident very

1135

00:47:46,519 --> 00:47:51,920

very hard to get on board and and I

1136

00:47:49,280 --> 00:47:53,750

really really applaud this article they

1137

00:47:51,920 --> 00:47:56,180

don't worry birth canal this is on the

1138

00:47:53,750 --> 00:47:58,519

Guardian website there's two articles to

1139

00:47:56,179 --> 00:48:01,730

articles by George Monbiot enum and he

1140

00:47:58,519 --> 00:48:02,929

said he's on Twitter definitely

1141
00:48:01,730 --> 00:48:04,969
definitely worth a lot what is your

1142
00:48:02,929 --> 00:48:07,309
other highlighted marketing so my other

1143
00:48:04,969 --> 00:48:09,289
highlighted masterpiece okay silver

1144
00:48:07,309 --> 00:48:12,019
before you go hello ms okay if you want

1145
00:48:09,289 --> 00:48:14,559
to hear Joe squee all right I'm just

1146
00:48:12,019 --> 00:48:17,230
gonna move over

1147
00:48:14,559 --> 00:48:20,509
folks let me just explain what happened

1148
00:48:17,230 --> 00:48:25,210
from behind his back Iran produced a

1149
00:48:20,510 --> 00:48:28,250
whole big container of of sharpie

1150
00:48:25,210 --> 00:48:30,619
highlighters and all differences sharpie

1151
00:48:28,250 --> 00:48:33,949
holla yes yeah I'm taking the microphone

1152
00:48:30,619 --> 00:48:36,019
far away because Joe is over excited she

1153
00:48:33,949 --> 00:48:37,849
is now holding up the container of a

1154
00:48:36,019 --> 00:48:40,789
sharpie highlighters there must be like

1155
00:48:37,849 --> 00:48:43,880
20 their greens and blues and yellows

1156
00:48:40,789 --> 00:48:49,039
and reds and Rachel is about to take a

1157
00:48:43,880 --> 00:48:53,150
picture of her now I expect the

1158
00:48:49,039 --> 00:48:54,679
listeners who on tweet Twitter a few

1159
00:48:53,150 --> 00:48:57,369
days ago would have seen the picture

1160
00:48:54,679 --> 00:49:04,369
which Rachel's just about to take now

1161
00:48:57,369 --> 00:49:07,309
and there we go now yes please tweet it

1162
00:49:04,369 --> 00:49:11,509
now so I listeners case this is all time

1163
00:49:07,309 --> 00:49:13,730
distortion Joe so right back to more

1164
00:49:11,510 --> 00:49:16,910
interesting stuff so the only thing I to

1165
00:49:13,730 --> 00:49:18,889
talk about with some anyone who if you

1166
00:49:16,909 --> 00:49:23,059
listen to the I think it was the science

1167
00:49:18,889 --> 00:49:24,739
on top podcast from the weeks ago I was

1168
00:49:23,059 --> 00:49:27,409
on there couple of Wesco talking about

1169

00:49:24,739 --> 00:49:28,969
BPA or bisphenol which people have

1170
00:49:27,409 --> 00:49:30,739
probably heard mentioned in the media

1171
00:49:28,969 --> 00:49:34,009
and I'm absolutely fascinated by this

1172
00:49:30,739 --> 00:49:37,969
topic because i think it's just just

1173
00:49:34,010 --> 00:49:40,670
such an astounding example of poor poor

1174
00:49:37,969 --> 00:49:44,509
science reporting and absolute media

1175
00:49:40,670 --> 00:49:46,730
fail on the the particular

1176
00:49:44,510 --> 00:49:49,550
a study that we talked about a few weeks

1177
00:49:46,730 --> 00:49:53,409
ago on science on top was a fantastic

1178
00:49:49,550 --> 00:49:55,490
study which came out which has been

1179
00:49:53,409 --> 00:49:59,179
which was really seen as being an

1180
00:49:55,489 --> 00:50:02,109
absolutely you know almost well almost

1181
00:49:59,179 --> 00:50:05,569
flawless piece of signs which

1182
00:50:02,110 --> 00:50:07,670
demonstrated the safety of BPA now if

1183
00:50:05,570 --> 00:50:09,019

you've been following this all in the

1184

00:50:07,670 --> 00:50:11,630

media you'd know that there's a lot of

1185

00:50:09,019 --> 00:50:13,880

concern about this phenol it's a it's a

1186

00:50:11,630 --> 00:50:17,809

chemical that's found in the lining of

1187

00:50:13,880 --> 00:50:20,450

cans and a lot of plastic water bottles

1188

00:50:17,809 --> 00:50:21,679

and all sorts of things and for a quite

1189

00:50:20,449 --> 00:50:23,899

a number of years now there's been a lot

1190

00:50:21,679 --> 00:50:26,329

of concern over where the BPA is toxic

1191

00:50:23,900 --> 00:50:30,470

to humans a particular concern is that

1192

00:50:26,329 --> 00:50:32,840

it's it has hormone effects like

1193

00:50:30,469 --> 00:50:35,000

estrogen and that there's the potential

1194

00:50:32,840 --> 00:50:37,760

for it to cause cancer and other health

1195

00:50:35,000 --> 00:50:39,079

problems so there's been a huge number

1196

00:50:37,760 --> 00:50:41,180

of studies over the last few years and

1197

00:50:39,079 --> 00:50:44,329

it's it's really quite an interesting

1198
00:50:41,179 --> 00:50:45,589
scientific controversy what's particular

1199
00:50:44,329 --> 00:50:46,940
interesting is that depending on which

1200
00:50:45,590 --> 00:50:49,280
part of the world you're in that either

1201
00:50:46,940 --> 00:50:51,619
is or isn't the controversy so if you go

1202
00:50:49,280 --> 00:50:53,720
over to the US or Canada there's a

1203
00:50:51,619 --> 00:50:57,109
really really strong push to ban BPA

1204
00:50:53,719 --> 00:50:59,329
whereas if you go over to the EU there

1205
00:50:57,110 --> 00:51:01,070
is a feeling that the science has

1206
00:50:59,329 --> 00:51:03,110
absolutely almost you know conclusively

1207
00:51:01,070 --> 00:51:06,140
shown that BPA is safe and there's

1208
00:51:03,110 --> 00:51:08,900
nothing to worry about so what um what

1209
00:51:06,139 --> 00:51:12,650
got me all jumping up and down today was

1210
00:51:08,900 --> 00:51:15,730
studies just come out in the journal of

1211
00:51:12,650 --> 00:51:20,780
the american association or jammer which

1212
00:51:15,730 --> 00:51:23,329
looked at the levels of BPA in in

1213
00:51:20,780 --> 00:51:26,390
people's urine after eating soup canned

1214
00:51:23,329 --> 00:51:28,309
soup all right and all of the news

1215
00:51:26,389 --> 00:51:30,409
there's a whole lot of hysteria because

1216
00:51:28,309 --> 00:51:32,210
what they've said is the urine of people

1217
00:51:30,409 --> 00:51:34,579
who consume canned soup can contain

1218
00:51:32,210 --> 00:51:36,139
surprisingly high levels of BPA or

1219
00:51:34,579 --> 00:51:37,460
hormone-disrupting compound linked to

1220
00:51:36,139 --> 00:51:39,559
health problems including heart disease

1221
00:51:37,460 --> 00:51:41,769
diabetes and obesity so it's a

1222
00:51:39,559 --> 00:51:44,869
conclusion right at the start yes so

1223
00:51:41,769 --> 00:51:48,619
panic panic panic is high levels of BPA

1224
00:51:44,869 --> 00:51:50,599
in urine and the conclusion is therefore

1225
00:51:48,619 --> 00:51:52,670
beef we know BPA's toxic in this high

1226

00:51:50,599 --> 00:51:54,690
level year and so run for the hills that

1227
00:51:52,670 --> 00:51:56,608
and by the way I must think

1228
00:51:54,690 --> 00:51:59,490
ed brown from science on top of pointing

1229
00:51:56,608 --> 00:52:01,348
this out to me today drew the problem

1230
00:51:59,489 --> 00:52:04,019
with this is that they're really really

1231
00:52:01,349 --> 00:52:07,680
good research into BPA the the the this

1232
00:52:04,019 --> 00:52:10,949
the method logically sound science has

1233
00:52:07,679 --> 00:52:13,618
shown that BPA is rapidly excreted from

1234
00:52:10,949 --> 00:52:16,019
the body and metabolized and extend

1235
00:52:13,619 --> 00:52:17,818
excreted very very quickly and that it's

1236
00:52:16,019 --> 00:52:20,250
not surprising that you see high levels

1237
00:52:17,818 --> 00:52:23,429
of BPA in the urine after people consume

1238
00:52:20,250 --> 00:52:26,550
it because it could reiterated its going

1239
00:52:23,429 --> 00:52:28,739
away and there was a fantastic study by

1240
00:52:26,550 --> 00:52:31,680

a tea Gordon which was published in the

1241

00:52:28,739 --> 00:52:35,009

Journal of toxicological Sciences about

1242

00:52:31,679 --> 00:52:38,129

six months ago and and it was it really

1243

00:52:35,010 --> 00:52:40,770

conclusively showed that you know BPA

1244

00:52:38,130 --> 00:52:44,309

does not stick around at the body long

1245

00:52:40,769 --> 00:52:46,829

enough to cause problems it's unlikely

1246

00:52:44,309 --> 00:52:49,559

to be found at high levels in human

1247

00:52:46,829 --> 00:52:51,329

tissues and therefore it's not something

1248

00:52:49,559 --> 00:52:52,619

to worry about and they've been a number

1249

00:52:51,329 --> 00:52:55,680

of really really good studies that are

1250

00:52:52,619 --> 00:52:59,220

showing this that aside if you go online

1251

00:52:55,679 --> 00:53:01,679

you will find not a beep about the good

1252

00:52:59,219 --> 00:53:04,618

studies what you will find is a lot of

1253

00:53:01,679 --> 00:53:07,980

media hysteria about studies which are

1254

00:53:04,619 --> 00:53:11,369

pretty poorly conducted not well

1255
00:53:07,980 --> 00:53:15,568
controlled really not actually telling

1256
00:53:11,369 --> 00:53:19,550
us anything of value except creating

1257
00:53:15,568 --> 00:53:22,710
fear so it could be a storm in a soup in

1258
00:53:19,550 --> 00:53:24,810
absolutely so um you know this is

1259
00:53:22,710 --> 00:53:26,579
getting a lot of attention online at the

1260
00:53:24,809 --> 00:53:28,259
moment and I just think it's really

1261
00:53:26,579 --> 00:53:30,599
worth keeping an eye on it because that

1262
00:53:28,260 --> 00:53:32,819
the thing is that there's measures being

1263
00:53:30,599 --> 00:53:36,329
taken by a lot of governments to ban BPA

1264
00:53:32,818 --> 00:53:37,619
stay and as I mentioned previously you

1265
00:53:36,329 --> 00:53:40,710
know Steve novella blogged about this a

1266
00:53:37,619 --> 00:53:43,260
couple of years ago they you know at the

1267
00:53:40,710 --> 00:53:44,730
time there was more to talk about here

1268
00:53:43,260 --> 00:53:46,680
it was a controversy that was worth

1269
00:53:44,730 --> 00:53:48,990
looking at really now the science seems

1270
00:53:46,679 --> 00:53:50,460
to be you know quite settled there is

1271
00:53:48,989 --> 00:53:52,889
nothing to be worried about but still

1272
00:53:50,460 --> 00:53:54,750
you know what we're looking at banning a

1273
00:53:52,889 --> 00:53:57,179
substance unnecessarily we're creating

1274
00:53:54,750 --> 00:54:00,539
fear particularly among amongst parents

1275
00:53:57,179 --> 00:54:04,528
and worried about the kids being exposed

1276
00:54:00,539 --> 00:54:06,959
and I think it's uh yeah well your

1277
00:54:04,528 --> 00:54:10,018
highlighter has been used to very good

1278
00:54:06,958 --> 00:54:12,208
use their effect and well I think we'll

1279
00:54:10,018 --> 00:54:14,998
wrap up this a thing then pretty soon

1280
00:54:12,208 --> 00:54:17,578
but let's switch over to Ron for a

1281
00:54:14,998 --> 00:54:19,228
second because at the top of the thing

1282
00:54:17,579 --> 00:54:20,849
think we did mention our convention

1283

00:54:19,228 --> 00:54:22,978
which was a great success and we of

1284
00:54:20,849 --> 00:54:25,380
course as we do every year now

1285
00:54:22,978 --> 00:54:28,858
convention we give out awards cheers and

1286
00:54:25,380 --> 00:54:31,229
jeers they might say yes so the the

1287
00:54:28,858 --> 00:54:34,938
first award we gave the bent spoon award

1288
00:54:31,228 --> 00:54:38,159
which we awarded to Melbourne University

1289
00:54:34,938 --> 00:54:41,129
RMIT and the reason we gave them that

1290
00:54:38,159 --> 00:54:42,778
award which is an annual award we always

1291
00:54:41,130 --> 00:54:43,949
have a problem with the with that award

1292
00:54:42,778 --> 00:54:46,438
because there's always so many good

1293
00:54:43,949 --> 00:54:49,409
candidates unfortunately was because

1294
00:54:46,438 --> 00:54:51,328
they have a fundamentalist chiropractic

1295
00:54:49,409 --> 00:54:54,629
education program and again I hesitate

1296
00:54:51,329 --> 00:54:56,880
to say education in this context but I

1297
00:54:54,630 --> 00:54:58,410

think that's what they call it and not

1298

00:54:56,880 --> 00:55:01,140

only do they support fundamentalist

1299

00:54:58,409 --> 00:55:04,739

chiropractors they also have an

1300

00:55:01,139 --> 00:55:07,379

on-campus pediatric chiropractic clinic

1301

00:55:04,739 --> 00:55:09,539

so I think the well deserving of the

1302

00:55:07,380 --> 00:55:11,429

bent spoon award so in addition to the

1303

00:55:09,539 --> 00:55:12,749

bench man award we also mentioned we

1304

00:55:11,429 --> 00:55:14,489

gave a dishonorable mention to

1305

00:55:12,748 --> 00:55:16,918

Blackmore's into the pharmacy Guild of

1306

00:55:14,489 --> 00:55:19,168

Australia for the the deal that they

1307

00:55:16,918 --> 00:55:21,658

concocted to try to sell unproven

1308

00:55:19,168 --> 00:55:25,438

medication or well I'm not so medication

1309

00:55:21,659 --> 00:55:28,650

and unproven stuff sure to people who

1310

00:55:25,438 --> 00:55:31,408

come to pharmacies to buy specific real

1311

00:55:28,650 --> 00:55:33,838

real real you know proven proven from a

1312
00:55:31,409 --> 00:55:35,519
suitor goals yeah and but with the

1313
00:55:33,838 --> 00:55:37,828
reason we didn't give it to them and

1314
00:55:35,518 --> 00:55:42,348
eventually was because it caused them so

1315
00:55:37,829 --> 00:55:45,778
much harm that we we thought of actually

1316
00:55:42,349 --> 00:55:47,130
given him you know positive mention for

1317
00:55:45,778 --> 00:55:49,768
causing so much harm to that kind of

1318
00:55:47,130 --> 00:55:51,479
education we said we were we were

1319
00:55:49,768 --> 00:55:54,658
jokingly saying that we will give them

1320
00:55:51,478 --> 00:55:57,989
give Christine holgate the Blackmore CEO

1321
00:55:54,659 --> 00:56:00,509
the the if there was it the coke and

1322
00:55:57,989 --> 00:56:03,659
fries award coca because she said that

1323
00:56:00,509 --> 00:56:06,748
this is these these additives are like

1324
00:56:03,659 --> 00:56:08,130
the coke and fries of pharmacies so that

1325
00:56:06,748 --> 00:56:10,259
that didn't go down very well with the

1326
00:56:08,130 --> 00:56:13,019
public and they was it was very good so

1327
00:56:10,259 --> 00:56:13,780
that that's the bent spoon award we then

1328
00:56:13,018 --> 00:56:17,799
awarded

1329
00:56:13,780 --> 00:56:20,010
several nice nice ones the first one was

1330
00:56:17,800 --> 00:56:22,990
we gave special recognition to

1331
00:56:20,010 --> 00:56:27,010
journalists TV journalist Frank bungalow

1332
00:56:22,989 --> 00:56:29,739
who's you rage and Richard you know very

1333
00:56:27,010 --> 00:56:32,230
well you've worked with him he's a TV

1334
00:56:29,739 --> 00:56:34,029
journalist with Channel Seven's today

1335
00:56:32,230 --> 00:56:36,610
tonight in Adelaide we don't usually see

1336
00:56:34,030 --> 00:56:38,769
very good scientific stuff from from

1337
00:56:36,610 --> 00:56:40,780
today tonight but Frank has done several

1338
00:56:38,769 --> 00:56:43,360
the Adelaide they're a different group

1339
00:56:40,780 --> 00:56:45,190
from the Sydney group yes nevertheless

1340

00:56:43,360 --> 00:56:47,500
oh yeah he's still good you know it's

1341
00:56:45,190 --> 00:56:49,150
still today tonight is generally however

1342
00:56:47,500 --> 00:56:52,570
he put it it's tabloid television and

1343
00:56:49,150 --> 00:56:54,910
you don't expect accuracy in science but

1344
00:56:52,570 --> 00:56:56,590
Frank has done good work fantastic work

1345
00:56:54,909 --> 00:57:00,339
and he's done several really good

1346
00:56:56,590 --> 00:57:02,640
stories and any continues to follow up

1347
00:57:00,340 --> 00:57:04,900
what we do in The Skeptical movement and

1348
00:57:02,639 --> 00:57:06,250
and there's mine absolutely there's more

1349
00:57:04,900 --> 00:57:09,160
to comment that something I mentioned

1350
00:57:06,250 --> 00:57:10,690
when I when I gave him the award so he

1351
00:57:09,159 --> 00:57:12,369
wasn't there unfortunately but we will

1352
00:57:10,690 --> 00:57:15,849
send him the the certificate of

1353
00:57:12,369 --> 00:57:18,639
appreciation then skeptic of the year

1354
00:57:15,849 --> 00:57:20,860

was awarded to Loretta Marin who was

1355

00:57:18,639 --> 00:57:22,690

already been awarded generally the jelly

1356

00:57:20,860 --> 00:57:24,820

bean lady she's already been awarded in

1357

00:57:22,690 --> 00:57:27,130

the past in 2007 but the thing is

1358

00:57:24,820 --> 00:57:28,570

Loretta could easily win every year we

1359

00:57:27,130 --> 00:57:31,599

just give it to others from time to time

1360

00:57:28,570 --> 00:57:34,769

because it's not fair see she's so

1361

00:57:31,599 --> 00:57:38,159

active and she's just so brilliant and

1362

00:57:34,769 --> 00:57:40,420

specifically this was for her word

1363

00:57:38,159 --> 00:57:42,339

against chiropractors this year and

1364

00:57:40,420 --> 00:57:44,349

especially against fundamentalist

1365

00:57:42,340 --> 00:57:45,760

chiropractors then again mentioned them

1366

00:57:44,349 --> 00:57:48,429

they're the ones who still believe in

1367

00:57:45,760 --> 00:57:50,200

the vertebral subluxation complex as the

1368

00:57:48,429 --> 00:57:51,639

cause of some of them believe its most

1369
00:57:50,199 --> 00:57:54,460
disease and others believe it's all

1370
00:57:51,639 --> 00:57:56,440
disease but whatever it is it's it's a

1371
00:57:54,460 --> 00:57:59,409
mythical it's a mythical syndrome i mean

1372
00:57:56,440 --> 00:58:01,110
this mythical symptom or in digital

1373
00:57:59,409 --> 00:58:03,309
condition or whatever you can call it

1374
00:58:01,110 --> 00:58:05,890
because its mythical it's difficult to

1375
00:58:03,309 --> 00:58:07,210
define but some people still believe in

1376
00:58:05,889 --> 00:58:08,679
and they're they're quite prominent

1377
00:58:07,210 --> 00:58:11,559
within the chiropractic movement and

1378
00:58:08,679 --> 00:58:15,309
she's really taking them to task and and

1379
00:58:11,559 --> 00:58:17,860
will continue to do so i'm sure we also

1380
00:58:15,309 --> 00:58:19,509
have the full net award for the

1381
00:58:17,860 --> 00:58:23,759
promotion of Reason which we call the

1382
00:58:19,510 --> 00:58:27,809
Fred and that was that's for the the

1383
00:58:23,759 --> 00:58:29,728
the way we describe it is that it's

1384
00:58:27,809 --> 00:58:31,469
awarded to acknowledge as a member of

1385
00:58:29,728 --> 00:58:33,658
the public or a public figure was made a

1386
00:58:31,469 --> 00:58:35,398
significant contribution to educating or

1387
00:58:33,659 --> 00:58:38,130
informing the public regarding issues of

1388
00:58:35,398 --> 00:58:39,838
science and reason and in addition to a

1389
00:58:38,130 --> 00:58:41,759
certificate we also give a thousand

1390
00:58:39,838 --> 00:58:44,998
dollars to the person when's this and

1391
00:58:41,759 --> 00:58:48,208
this year's winner was hands down ken

1392
00:58:44,998 --> 00:58:50,518
harvey dr. ken harvey our friend for his

1393
00:58:48,208 --> 00:58:52,469
work against census thing but but really

1394
00:58:50,518 --> 00:58:55,498
you know it's it's sort of a an

1395
00:58:52,469 --> 00:59:00,989
accumulation of his work of many years

1396
00:58:55,498 --> 00:59:03,298
of taking quacks to to task and and also

1397

00:59:00,989 --> 00:59:06,028
in being a thorn in the side of the the

1398
00:59:03,298 --> 00:59:07,498
TGA in particular they people see they

1399
00:59:06,028 --> 00:59:09,329
think it was the we were what we were

1400
00:59:07,498 --> 00:59:12,388
giving the awards just before the panel

1401
00:59:09,329 --> 00:59:13,528
and i said i said DNA he's been a thorn

1402
00:59:12,389 --> 00:59:15,149
in their side and i'm sure he will

1403
00:59:13,528 --> 00:59:17,728
continue be a thorn in his side in about

1404
00:59:15,148 --> 00:59:20,880
seven more minutes so so that was very

1405
00:59:17,728 --> 00:59:24,598
good and then we surprised Barry

1406
00:59:20,880 --> 00:59:26,099
Williams I called him on on the stage he

1407
00:59:24,599 --> 00:59:28,619
didn't know anything was coming he

1408
00:59:26,099 --> 00:59:30,838
wasn't even going to attendance and of

1409
00:59:28,619 --> 00:59:32,849
course Barry's been behind the

1410
00:59:30,838 --> 00:59:34,528
Australian skeptics and Australia the

1411
00:59:32,849 --> 00:59:36,329

skeptical movement in Australia for for

1412

00:59:34,528 --> 00:59:39,208

the past basically for the portly entire

1413

00:59:36,329 --> 00:59:44,009

yetis did duration this is very early

1414

00:59:39,208 --> 00:59:46,108

eighties yes and uh and he and he is you

1415

00:59:44,009 --> 00:59:47,668

know he's been a very important person

1416

00:59:46,108 --> 00:59:49,918

in skeptical movement in Australia and

1417

00:59:47,668 --> 00:59:51,148

he was going to miss this convention for

1418

00:59:49,918 --> 00:59:54,449

the first time after attending every

1419

00:59:51,148 --> 00:59:55,828

single one of the first 26 so I asked

1420

00:59:54,449 --> 00:59:57,809

him to say a few words about the bench

1421

00:59:55,829 --> 00:59:59,519

spoon award so he thought he was going

1422

00:59:57,809 --> 01:00:01,829

to say if you were to buy the bed spin

1423

00:59:59,518 --> 01:00:02,968

award and I said no we actually don't

1424

01:00:01,829 --> 01:00:04,679

want to hear what you have to say about

1425

01:00:02,969 --> 01:00:06,929

Vince pin award he was kind of shocked

1426
01:00:04,679 --> 01:00:09,659
see a different thing and we gave him a

1427
01:00:06,929 --> 01:00:11,278
Life Achievement Award and because he's

1428
01:00:09,659 --> 01:00:14,068
a in addition to the certificate because

1429
01:00:11,278 --> 01:00:16,108
he's a is a cricket fanatic i think is

1430
01:00:14,068 --> 01:00:20,159
he good way of saying is we gave him a

1431
01:00:16,108 --> 01:00:22,139
replica ashes urn with the words to bury

1432
01:00:20,159 --> 01:00:24,389
for to Barry Williams for a lifetime of

1433
01:00:22,139 --> 01:00:26,130
skepticism and he was really touched by

1434
01:00:24,389 --> 01:00:28,259
anyone was really nice lovely little

1435
01:00:26,130 --> 01:00:31,259
little gesture I thought yes he was he

1436
01:00:28,259 --> 01:00:33,389
was was absolutely always a highlight of

1437
01:00:31,259 --> 01:00:35,480
the convention the awards every year

1438
01:00:33,389 --> 01:00:37,400
always wait can't wait

1439
01:00:35,480 --> 01:00:40,010
who wins the bent spoon always great fun

1440
01:00:37,400 --> 01:00:42,500
it's been great fun to have a think tank

1441
01:00:40,010 --> 01:00:44,750
away from our favorite Club no bus

1442
01:00:42,500 --> 01:00:46,449
announcements you might have wanted to

1443
01:00:44,750 --> 01:00:49,489
make a bus and that's now it's all right

1444
01:00:46,449 --> 01:00:51,549
listeners can imagine a bus announcement

1445
01:00:49,489 --> 01:00:54,919
but I'm sure the next thing tank will be

1446
01:00:51,550 --> 01:00:57,380
back at some busy noisy club with bus

1447
01:00:54,920 --> 01:01:00,559
announcements or some such thing dr.

1448
01:00:57,380 --> 01:01:02,059
Reggie you better get home and jump back

1449
01:01:00,559 --> 01:01:04,639
into bed with your chicken soup and

1450
01:01:02,059 --> 01:01:06,769
measles yeah i just also want to add

1451
01:01:04,639 --> 01:01:08,750
that I think Lawrence lean did a great

1452
01:01:06,769 --> 01:01:11,389
job at the convention child oh yeah big

1453
01:01:08,750 --> 01:01:13,820
shout out to him here I like yeah he did

1454

01:01:11,389 --> 01:01:16,429
he did the the dinner talk it was fat

1455
01:01:13,820 --> 01:01:18,109
yeah quite a few people came people

1456
01:01:16,429 --> 01:01:19,339
obviously not everybody attended the

1457
01:01:18,108 --> 01:01:20,750
dinner not everybody attended the

1458
01:01:19,340 --> 01:01:23,090
conference it didn't attended the dinner

1459
01:01:20,750 --> 01:01:26,329
but the water but they were close to a

1460
01:01:23,090 --> 01:01:28,280
hundred people at the dinner and and I

1461
01:01:26,329 --> 01:01:31,159
think everyone said this was their

1462
01:01:28,280 --> 01:01:33,800
favorite part of the day and he was he

1463
01:01:31,159 --> 01:01:35,750
was quick fun Joe thank you very much

1464
01:01:33,800 --> 01:01:37,550
thank you Richard I have fun with your

1465
01:01:35,750 --> 01:01:39,289
highlighter yes my highlighters are

1466
01:01:37,550 --> 01:01:41,539
wonderful I'll take them on the plane

1467
01:01:39,289 --> 01:01:45,199
with me I've already tweeted I'm off to

1468
01:01:41,539 --> 01:01:46,699

find Wu in Peru whoo in Peru and Iran

1469

01:01:45,199 --> 01:01:48,980

thank you for having us in your land

1470

01:01:46,699 --> 01:01:51,559

room you must welcome we have no glasses

1471

01:01:48,980 --> 01:01:55,840

to cling but until our next think tank

1472

01:01:51,559 --> 01:01:55,840

thank you everybody we can knock on wood

1473

01:02:20,389 --> 01:02:25,588

thank you for listening to the skeptic

1474

01:02:23,400 --> 01:02:29,608

zone and thank you to all those people

1475

01:02:25,588 --> 01:02:32,489

who've been far too kind congratulating

1476

01:02:29,608 --> 01:02:33,900

me personally for the the state of power

1477

01:02:32,489 --> 01:02:37,588

balance in the United States because

1478

01:02:33,900 --> 01:02:39,720

they've gone into bankruptcy it's very

1479

01:02:37,588 --> 01:02:42,659

kind of you i only did a little little

1480

01:02:39,719 --> 01:02:45,568

bit a little part in exposing the scam

1481

01:02:42,659 --> 01:02:48,298

that is power balance but i will see

1482

01:02:45,568 --> 01:02:51,119

what's happening but it's occasionally

1483
01:02:48,298 --> 01:02:54,000
it's good to see some some success it

1484
01:02:51,119 --> 01:02:56,960
really is and I'm not wearing my power

1485
01:02:54,000 --> 01:03:00,329
balance i'm wearing my placebo band ho

1486
01:02:56,960 --> 01:03:03,809
don't forget pasiba ban the real thing

1487
01:03:00,329 --> 01:03:07,559
or the real fake thing the real thing

1488
01:03:03,809 --> 01:03:09,809
thing anyway you know what i mean well

1489
01:03:07,559 --> 01:03:12,000
after that interesting show I need to

1490
01:03:09,809 --> 01:03:13,859
lie down for at least a week at least

1491
01:03:12,000 --> 01:03:16,489
week and then I'll get up again and I'll

1492
01:03:13,858 --> 01:03:21,119
try to produce another skipping zone

1493
01:03:16,489 --> 01:03:23,699
which will be 162 until then this is

1494
01:03:21,119 --> 01:03:29,010
Richard Saunders signing off from Sydney

1495
01:03:23,699 --> 01:03:33,298
Australia you've been listening to the

1496
01:03:29,010 --> 01:03:36,540
skeptical zone visit our website at wwc a

1497
01:03:33,298 --> 01:03:40,280
petting zoo TV for comments contacts and

1498
01:03:36,539 --> 01:03:40,279
extra video reports

1499
01:03:40,548 --> 01:03:43,548
skin

1500
01:03:45,550 --> 01:03:48,550
Josh

1501
01:03:58,679 --> 01:04:00,739
you