



**Joanne Benhamu
& Eran Segev**

The Skeptic Zone
Show 162 - 26 Nov. 2011

1
00:00:20,720 --> 00:00:09,500
welcome to the skeptic zone the podcast

2
00:00:27,210 --> 00:00:25,500
wow it's the old skeptic zone theme hmm

3
00:00:30,179 --> 00:00:27,220
I thought I put that into retirement

4
00:00:32,040 --> 00:00:30,189
about a year back oh well you know how

5
00:00:34,470 --> 00:00:32,050
it is get them out once in a while give

6
00:00:36,869 --> 00:00:34,480
them a run through the paddocks through

7
00:00:39,750 --> 00:00:36,879
the internet and put it back into the

8
00:00:43,040 --> 00:00:39,760
stable maybe we'll hear that theme once

9
00:00:46,170 --> 00:00:43,050
again sometime in the distant future

10
00:00:50,160 --> 00:00:46,180
hello it's Richard Saunders here it's

11
00:00:53,970 --> 00:00:50,170
episode number 162 of the skeptic zone

12
00:00:56,520 --> 00:00:53,980
on the twenty-sixth of November 2011

13
00:01:00,510 --> 00:00:56,530

what a show we have lined up for you

14

00:01:02,100 --> 00:01:00,520

this week now last weekend the

15

00:01:05,249 --> 00:01:02,110

Australian skeptics held their annual

16

00:01:07,230 --> 00:01:05,259

convention last year of course it was

17

00:01:09,480 --> 00:01:07,240

combined with Cam Australia and that was

18

00:01:13,230 --> 00:01:09,490

a huge success this year was a bit more

19

00:01:16,020 --> 00:01:13,240

low-key not being a tam and we had it at

20

00:01:18,690 --> 00:01:16,030

the Australian Museum just the one day

21

00:01:23,100 --> 00:01:18,700

convention what a great time great time

22

00:01:24,960 --> 00:01:23,110

had by all especially especially by

23

00:01:27,600 --> 00:01:24,970

Maynard who was running around with his

24

00:01:29,550 --> 00:01:27,610

microphone lots of interviews coming up

25

00:01:31,919 --> 00:01:29,560

from the Australian skeptics national

26

00:01:35,400 --> 00:01:31,929

convention over the coming weeks and

27

00:01:38,339 --> 00:01:35,410

after those bits and pieces from Maynard

28

00:01:41,730 --> 00:01:38,349

it's the welcome return of reality bites

29

00:01:43,440 --> 00:01:41,740

with Joanne been amoo and Joanne's going

30

00:01:47,730 --> 00:01:43,450

to be looking this week she's going to

31

00:01:50,309 --> 00:01:47,740

be looking at apricot kernels mmm and

32

00:01:52,169 --> 00:01:50,319

the risk of toxicity and cancer claims

33

00:01:54,839 --> 00:01:52,179

are all sorts of things like that coming

34

00:01:57,540 --> 00:01:54,849

up in reality bites and then following

35

00:02:00,510 --> 00:01:57,550

that of course it's the think tank but

36

00:02:02,790 --> 00:02:00,520

not not not not at our club down the end

37

00:02:05,790 --> 00:02:02,800

of the street we go to a mystery

38

00:02:07,559 --> 00:02:05,800

location yes a mystery location keep

39

00:02:10,290 --> 00:02:07,569

listening to the skeptic zone and find

40

00:02:13,490 --> 00:02:10,300

out where we end up thank you for all

41

00:02:16,080 --> 00:02:13,500

those people by the way writing to me

42

00:02:18,390 --> 00:02:16,090

who've discovered skepticism for the

43

00:02:20,940 --> 00:02:18,400

first time by seeing me appear on the

44

00:02:23,309 --> 00:02:20,950

television show the one the one which

45

00:02:26,670 --> 00:02:23,319

just wrapped up the final show went to

46

00:02:29,730 --> 00:02:26,680

where in the past week and if you're

47

00:02:32,850 --> 00:02:29,740

interested the winner as voted by the

48

00:02:34,830 --> 00:02:32,860

Great Australian public was Greg Riley

49

00:02:37,860 --> 00:02:34,840

from Victoria there you are Greg

50

00:02:40,050 --> 00:02:37,870

winner of the one but thank you to

51
00:02:43,559 --> 00:02:40,060
everybody who's been writing in to me

52
00:02:46,500 --> 00:02:43,569
saying well not always nice things but

53
00:02:49,320 --> 00:02:46,510
lots of nice things actually I'm pleased

54
00:02:52,020 --> 00:02:49,330
to say mostly nice things and how

55
00:02:55,350 --> 00:02:52,030
they've gone on to discover things like

56
00:02:58,559 --> 00:02:55,360
the Australian skeptics and even so far

57
00:03:01,530 --> 00:02:58,569
as finding other podcasts and even this

58
00:03:03,300 --> 00:03:01,540
podcast so that's all good i'm very

59
00:03:05,430 --> 00:03:03,310
pleased to hear about that some more

60
00:03:07,589 --> 00:03:05,440
interesting and exciting news coming up

61
00:03:08,970 --> 00:03:07,599
over the the summer break here in

62
00:03:11,190 --> 00:03:08,980
australia the winter break in the

63
00:03:14,729 --> 00:03:11,200

northern hemisphere is our friend and

64

00:03:17,550 --> 00:03:14,739

reporter Maynard looks like he's got a

65

00:03:20,520 --> 00:03:17,560

new show which will be appearing on ABC

66

00:03:22,890 --> 00:03:20,530

radio that seems exciting stuff that's

67

00:03:26,520 --> 00:03:22,900

exciting stuff and with special guests

68

00:03:30,030 --> 00:03:26,530

maybe even now well me and dr. HC will

69

00:03:32,220 --> 00:03:30,040

see more news about that pretty soon but

70

00:03:33,630 --> 00:03:32,230

we're all hoping that that comes off the

71

00:03:36,479 --> 00:03:33,640

main odd that should be very interesting

72

00:03:37,890 --> 00:03:36,489

and exciting for people in Australia and

73

00:03:41,039 --> 00:03:37,900

of course well the internet these days

74

00:03:44,520 --> 00:03:41,049

people around the world and don't forget

75

00:03:47,069 --> 00:03:44,530

we still have the the appeal from

76

00:03:52,170 --> 00:03:47,079

Maynard to get funds for him to come

77

00:03:57,150 --> 00:03:52,180

with us to Tam 10 in Las Vegas so Rachel

78

00:04:00,240 --> 00:03:57,160

and I and Joe and Iran can um well not

79

00:04:02,280 --> 00:04:00,250

run around like like crazy trying to get

80

00:04:04,229 --> 00:04:02,290

lots of interviews will it may not do

81

00:04:05,879 --> 00:04:04,239

the running around for you on your

82

00:04:08,759 --> 00:04:05,889

behalf and on now we have from getting

83

00:04:12,089 --> 00:04:08,769

all those great interviews and soon soon

84

00:04:17,039 --> 00:04:12,099

will be auctioning off a poster filled

85

00:04:20,520 --> 00:04:17,049

with famous skeptical autographs oh boy

86

00:04:23,040 --> 00:04:20,530

everyone from Joe Nickell to the skeptic

87

00:04:26,400 --> 00:04:23,050

zone team to Ben radford Steve novella

88

00:04:28,860 --> 00:04:26,410

Rebecca Watson's on there even may not

89

00:04:30,540 --> 00:04:28,870

himself and lots of other names i'll be

90

00:04:34,110 --> 00:04:30,550

telling you about soon look out for that

91

00:04:35,850 --> 00:04:34,120

coming up that'll be auctioned off there

92

00:04:38,520 --> 00:04:35,860

are a couple actually but we'll be

93

00:04:41,400 --> 00:04:38,530

starting off with one all benefits going

94

00:04:44,339 --> 00:04:41,410

to help us get Maynard over Terrell Las

95

00:04:46,440 --> 00:04:44,349

Vegas where I think he'll feel right at

96

00:04:47,810 --> 00:04:46,450

home well I'm going to feel right at

97

00:04:50,600 --> 00:04:47,820

home I'm going to

98

00:04:52,430 --> 00:04:50,610

I'm going to run downstairs one of these

99

00:04:53,690 --> 00:04:52,440

days I'm going to trip if I keep running

100

00:04:56,300 --> 00:04:53,700

down those stairs i'm going to run

101
00:04:59,510 --> 00:04:56,310
downstairs i'm going to run to the

102
00:05:06,320 --> 00:04:59,520
coffee plunger i'm going to have a nice

103
00:05:10,220 --> 00:05:06,330
cup of obama blend coffee as has bought

104
00:05:13,010 --> 00:05:10,230
here in down in Sydney in Newtown Obama

105
00:05:16,400 --> 00:05:13,020
blender coffee oh yes now this is a

106
00:05:20,750 --> 00:05:16,410
mixture of coffees from Africa and the

107
00:05:23,560 --> 00:05:20,760
Americas hmm as as you can find it

108
00:05:26,600 --> 00:05:23,570
campus coffee here and now in Newtown

109
00:05:29,600 --> 00:05:26,610
I'll do that I'll do that and while I'm

110
00:05:44,630 --> 00:05:29,610
doing that sipping my coffee I'll let

111
00:05:53,850 --> 00:05:49,800
here's my not spooky action at the

112
00:05:57,820 --> 00:05:56,140
well people it's all happening if the

113
00:05:59,980 --> 00:05:57,830

Australian skeptics national convention

114

00:06:01,300 --> 00:05:59,990

2011 I can read that off the screen if

115

00:06:04,360 --> 00:06:01,310

you want to know the difference between

116

00:06:06,430 --> 00:06:04,370

a apotheosis and a catharsis these are

117

00:06:08,010 --> 00:06:06,440

the people to ask and I'm up I'm right

118

00:06:12,010 --> 00:06:08,020

at the back in the naughty seats with

119

00:06:13,750 --> 00:06:12,020

dr. Christie Wilson now well I look i'm

120

00:06:15,790 --> 00:06:13,760

we right at the back do you normally

121

00:06:17,800 --> 00:06:15,800

hang up to up the back of these kind of

122

00:06:19,720 --> 00:06:17,810

things you can get up to nonsense and

123

00:06:21,460 --> 00:06:19,730

carry on a bit up the back always I

124

00:06:24,100 --> 00:06:21,470

always like to be hidden well away from

125

00:06:25,660 --> 00:06:24,110

from trouble especially something like

126

00:06:28,180 --> 00:06:25,670

this you know definitely I hate being

127

00:06:29,400 --> 00:06:28,190

asked questions Oh for example I have no

128

00:06:32,560 --> 00:06:29,410

idea what the difference between

129

00:06:34,810 --> 00:06:32,570

apotheosis and catharsis I can't even

130

00:06:37,510 --> 00:06:34,820

say I Robin oh they're both great woods

131

00:06:39,130 --> 00:06:37,520

to drop I like introducing little things

132

00:06:41,410 --> 00:06:39,140

like that into the skeptic zone I

133

00:06:44,020 --> 00:06:41,420

haven't brought the great cambrian

134

00:06:46,270 --> 00:06:44,030

explode cambrian explosion conundrum

135

00:06:48,190 --> 00:06:46,280

here before and I have asked for

136

00:06:49,810 --> 00:06:48,200

evidence of extraterrestrials on the

137

00:06:52,510 --> 00:06:49,820

show but sadly we haven't had any yet

138

00:06:55,030 --> 00:06:52,520

well I've got a good one I always give

139

00:06:56,890 --> 00:06:55,040

my students is etiological criteria that

140

00:06:59,290 --> 00:06:56,900

always impresses people at dinner

141

00:07:02,409 --> 00:06:59,300

parties aetiological criteria it means

142

00:07:04,810 --> 00:07:02,419

what's the cause of something so what's

143

00:07:06,940 --> 00:07:04,820

the etiology of depression who's Alf was

144

00:07:10,360 --> 00:07:06,950

an etiological criteria nice i want to

145

00:07:12,880 --> 00:07:10,370

drop in it will impress everybody hey as

146

00:07:14,469 --> 00:07:12,890

your professional i had i not much sleep

147

00:07:17,680 --> 00:07:14,479

last night because I was really stressed

148

00:07:20,050 --> 00:07:17,690

I had two coffees this morning and I can

149

00:07:21,940 --> 00:07:20,060

I feel mildly like a panic attack

150

00:07:23,610 --> 00:07:21,950

without the pins and needles and stuff

151
00:07:25,900 --> 00:07:23,620
is that the coffee and the lack of sleep

152
00:07:27,400 --> 00:07:25,910
absolutely yeah oh how strong was the

153
00:07:29,230 --> 00:07:27,410
coffee did you have milk sugar in the

154
00:07:31,600 --> 00:07:29,240
coffee or was it like two really strong

155
00:07:34,120 --> 00:07:31,610
black coffee well it coffee will do that

156
00:07:35,830 --> 00:07:34,130
it's a drug yeah yeah was it stimulate

157
00:07:38,050 --> 00:07:35,840
you and just go to do this absolutely

158
00:07:40,630 --> 00:07:38,060
and when I was doing my PhD many years

159
00:07:42,430 --> 00:07:40,640
ago and I lived on coffee because it

160
00:07:44,170 --> 00:07:42,440
kept me going I was buzzing for days and

161
00:07:46,140 --> 00:07:44,180
days and days oh yeah don't drink coffee

162
00:07:48,250 --> 00:07:46,150
if you want to be relaxed and chilled

163
00:07:49,840 --> 00:07:48,260

but if you want to wake up which is what

164

00:07:51,700 --> 00:07:49,850

I did yeah but anyway but look it's

165

00:07:53,200 --> 00:07:51,710

quite a relaxing venue here this is

166

00:07:55,750 --> 00:07:53,210

really good what are you going to be

167

00:07:56,679 --> 00:07:55,760

telling people about today uh right well

168

00:07:59,350 --> 00:07:56,689

um

169

00:08:02,259 --> 00:07:59,360

I'm a psychology lecturer at chester

170

00:08:04,629 --> 00:08:02,269

university based in aubrey and my area

171

00:08:06,729 --> 00:08:04,639

of research is the psychology of belief

172

00:08:08,259 --> 00:08:06,739

why people believe in weird and

173

00:08:10,600 --> 00:08:08,269

wonderful things all the psychological

174

00:08:13,089 --> 00:08:10,610

and in some cases physiological reasons

175

00:08:14,589 --> 00:08:13,099

why people believe in this stuff and the

176

00:08:17,829 --> 00:08:14,599

area is actually called animalistic

177

00:08:19,629 --> 00:08:17,839

psychology and your your your listeners

178

00:08:23,109 --> 00:08:19,639

will have heard me mention this before

179

00:08:24,819 --> 00:08:23,119

so it's not the same as parapsychology

180

00:08:27,389 --> 00:08:24,829

or see parapsychology as everybody

181

00:08:29,679 --> 00:08:27,399

listening will know is very sort of

182

00:08:31,619 --> 00:08:29,689

friendly very sympathetic towards the

183

00:08:33,459 --> 00:08:31,629

idea that sigh exists and

184

00:08:34,869 --> 00:08:33,469

parapsychologists and basically spend a

185

00:08:37,949 --> 00:08:34,879

hundred years trying to prove this stuff

186

00:08:40,569 --> 00:08:37,959

is real animalistic psychology is

187

00:08:42,100 --> 00:08:40,579

absolutely skeptic skeptical in nature

188

00:08:44,230 --> 00:08:42,110

and as I said it's looking at the

189

00:08:46,480 --> 00:08:44,240

psychological and in some cases

190

00:08:47,860 --> 00:08:46,490

physiological reasons why some people

191

00:08:49,379 --> 00:08:47,870

believe in all this weird and wonderful

192

00:08:52,300 --> 00:08:49,389

stuff so that's that's what I

193

00:08:54,280 --> 00:08:52,310

investigate that's what I'm doing see

194

00:08:57,879 --> 00:08:54,290

reckon you could take Michael Shermer in

195

00:09:00,249 --> 00:08:57,889

a fight Oh take my chauffeur anyway

196

00:09:02,470 --> 00:09:00,259

frankly was that a bit of a crush on him

197

00:09:05,079 --> 00:09:02,480

I sure hope he's listening Michael give

198

00:09:07,929 --> 00:09:05,089

me a call and what is the best example

199

00:09:09,639 --> 00:09:07,939

of of your work you could give us right

200

00:09:12,369 --> 00:09:09,649

I know what is the common belief that

201
00:09:15,429 --> 00:09:12,379
you usually use as an example well okay

202
00:09:18,369 --> 00:09:15,439
oh that's a good question I think my

203
00:09:21,850 --> 00:09:18,379
main my main thesis if you like is that

204
00:09:23,139 --> 00:09:21,860
that we're all actually believers and

205
00:09:24,460 --> 00:09:23,149
again your listeners will at those of

206
00:09:26,559 --> 00:09:24,470
those of them that have seen me give

207
00:09:29,799 --> 00:09:26,569
talks and so on and conventions what

208
00:09:31,119 --> 00:09:29,809
have you and at tam will know that the

209
00:09:34,960 --> 00:09:31,129
this is something that I bang on about

210
00:09:38,290 --> 00:09:34,970
all the time that skeptics tend to think

211
00:09:39,999 --> 00:09:38,300
that believers are a particular kind of

212
00:09:42,220 --> 00:09:40,009
species that there's something

213
00:09:44,799 --> 00:09:42,230

fundamentally wrong with the way they

214

00:09:48,699 --> 00:09:44,809

think and how they process information

215

00:09:52,629 --> 00:09:48,709

etc but in reality that's not actually

216

00:09:54,220 --> 00:09:52,639

the case skeptics are believers as well

217

00:09:55,720 --> 00:09:54,230

I mean we believe in skepticism we

218

00:09:57,759 --> 00:09:55,730

believe in science now these are all

219

00:10:00,069 --> 00:09:57,769

human activities and wherever you have

220

00:10:01,360 --> 00:10:00,079

humans taking part in any kind of

221

00:10:03,249 --> 00:10:01,370

activity you're going to have bias

222

00:10:04,720 --> 00:10:03,259

you're going to have all kinds of

223

00:10:07,930 --> 00:10:04,730

subjective

224

00:10:10,689 --> 00:10:07,940

associated with him and so we believe as

225

00:10:12,970 --> 00:10:10,699

well and my my main thrust my main

226

00:10:15,670 --> 00:10:12,980

argument if you like is that that we all

227

00:10:18,840 --> 00:10:15,680

believe in something we all believe in

228

00:10:22,150 --> 00:10:18,850

something and that there are not

229

00:10:23,800 --> 00:10:22,160

specific differences between believers

230

00:10:26,590 --> 00:10:23,810

that it's something that may possibly

231

00:10:30,730 --> 00:10:26,600

even be innate so we may possibly be

232

00:10:32,439 --> 00:10:30,740

born with this this need this desire to

233

00:10:34,870 --> 00:10:32,449

believe in something because if we

234

00:10:37,060 --> 00:10:34,880

believe we belong and if we belong we

235

00:10:39,069 --> 00:10:37,070

feel stronger so it might have some kind

236

00:10:41,319 --> 00:10:39,079

of adaptive purpose maybe that's that's

237

00:10:43,600 --> 00:10:41,329

my sort of thrust of my andreea the

238

00:10:46,480 --> 00:10:43,610

moment I can't get too many academics

239

00:10:48,850 --> 00:10:46,490

they'll believe me then will agree with

240

00:10:51,069 --> 00:10:48,860

it will agree with me but does the kind

241

00:10:53,650 --> 00:10:51,079

of thing i'm working on how belief in

242

00:10:56,610 --> 00:10:53,660

various things can actually be useful it

243

00:10:59,439 --> 00:10:56,620

can actually help us cope with with life

244

00:11:02,110 --> 00:10:59,449

so what is the key to having someone

245

00:11:03,790 --> 00:11:02,120

change their belief if it's shown to be

246

00:11:06,490 --> 00:11:03,800

wrong how do you because that's pretty

247

00:11:08,560 --> 00:11:06,500

big that's a cathartic moment if you

248

00:11:10,030 --> 00:11:08,570

actually have to change your belief in

249

00:11:11,680 --> 00:11:10,040

helping you if someone really believes

250

00:11:14,050 --> 00:11:11,690

that and they're not open to the facts

251

00:11:16,360 --> 00:11:14,060

how do you do that well I'm not sure

252

00:11:18,160 --> 00:11:16,370

that you can as actually that came up in

253

00:11:20,079 --> 00:11:18,170

the previous the previous talk and I'm

254

00:11:22,090 --> 00:11:20,089

not sure that you can it's very hard to

255

00:11:26,650 --> 00:11:22,100

convince someone who believes in yetis

256

00:11:28,329 --> 00:11:26,660

or or talking to the dead very hard to

257

00:11:30,579 --> 00:11:28,339

convince them that it's not actually the

258

00:11:33,639 --> 00:11:30,589

case and again I've said this many times

259

00:11:35,530 --> 00:11:33,649

before that it only takes a little bit

260

00:11:38,819 --> 00:11:35,540

of evidence to convince people of

261

00:11:41,920 --> 00:11:38,829

anything you know a human self deception

262

00:11:44,079 --> 00:11:41,930

we're all capable of that we can be

263

00:11:46,150 --> 00:11:44,089

convinced of pretty much anything with

264

00:11:48,759 --> 00:11:46,160

the smallest piece of evidence to

265

00:11:50,170 --> 00:11:48,769

convince someone of the opposite of

266

00:11:52,629 --> 00:11:50,180

their beliefs I think that's actually

267

00:11:54,600 --> 00:11:52,639

very difficult to do because we're

268

00:11:58,000 --> 00:11:54,610

talking about a lot of complex

269

00:11:59,860 --> 00:11:58,010

psychological variables here too there's

270

00:12:01,129 --> 00:11:59,870

lots of reasons why people believe in

271

00:12:04,429 --> 00:12:01,139

stuff

272

00:12:09,169 --> 00:12:04,439

it's quite complex and to turn someone

273

00:12:11,780 --> 00:12:09,179

away from that is more than just simple

274

00:12:15,590 --> 00:12:11,790

rational thinking you know it's more

275

00:12:18,199 --> 00:12:15,600

than just trying to encourage rational

276

00:12:19,759 --> 00:12:18,209

thinking far more than that now when of

277

00:12:25,189 --> 00:12:19,769

you had a belief that you had to chuck

278

00:12:26,869 --> 00:12:25,199

away come on I'm look earlier for

279

00:12:28,369 --> 00:12:26,879

example I actually used to buy that

280

00:12:31,159 --> 00:12:28,379

magic water that they showed on the

281

00:12:33,129 --> 00:12:31,169

screen earlier in the belief that it

282

00:12:36,439 --> 00:12:33,139

would help my parents arthritis I

283

00:12:38,599 --> 00:12:36,449

actually used to believe that no III

284

00:12:41,900 --> 00:12:38,609

don't have anything like that oh well I

285

00:12:44,409 --> 00:12:41,910

do bizarrely now this is bizarre and I

286

00:12:46,669 --> 00:12:44,419

do actually have and I'm apologized via

287

00:12:49,849 --> 00:12:46,679

listeners to this book about this but I

288

00:12:52,789 --> 00:12:49,859

do actually have a lucky number um well

289

00:12:55,759 --> 00:12:52,799

it's not so much lucky is that it just

290

00:12:57,109 --> 00:12:55,769

follows me around 58 5 they it just

291

00:12:58,759 --> 00:12:57,119

seems to follow me around everywhere

292

00:13:00,470 --> 00:12:58,769

that's interesting and how long have you

293

00:13:02,780 --> 00:13:00,480

noticed this number popping up well

294

00:13:05,239 --> 00:13:02,790

since I was born because it's it's

295

00:13:09,289 --> 00:13:05,249

actually my birthday 58 not in the year

296

00:13:11,059 --> 00:13:09,299

58th 5th of august so and it just seems

297

00:13:14,629 --> 00:13:11,069

to find me around Lila addresses

298

00:13:17,269 --> 00:13:14,639

postcodes number plates driver's license

299

00:13:20,449 --> 00:13:17,279

my even my Equity card my Equity card

300

00:13:24,619 --> 00:13:20,459

British Actors Equity card it was 58 58

301
00:13:25,909 --> 00:13:24,629
which was weird weird maybe someone from

302
00:13:29,569 --> 00:13:25,919
another realm is trying to communicate

303
00:13:31,340 --> 00:13:29,579
with you by coincidence quite possibly

304
00:13:32,659 --> 00:13:31,350
yeah no don't worry though I'm not I'm

305
00:13:34,549 --> 00:13:32,669
not there's no chance that I'm going to

306
00:13:38,059 --> 00:13:34,559
be turning to the dark side any time yet

307
00:13:39,769 --> 00:13:38,069
no well good luck with the working to

308
00:13:41,269 --> 00:13:39,779
this crowd they're pretty good crowd but

309
00:13:43,280 --> 00:13:41,279
you know something could happen to look

310
00:13:45,650 --> 00:13:43,290
like i always say these things i want

311
00:13:46,850 --> 00:13:45,660
someone to get up there go crazy and get

312
00:13:49,299 --> 00:13:46,860
dragged out do you think that will be

313
00:13:51,499 --> 00:13:49,309

happening tonight I don't think so I

314

00:13:52,850 --> 00:13:51,509

really want to see that in a skeptic

315

00:13:54,319 --> 00:13:52,860

times with someone just suddenly go

316

00:13:56,460 --> 00:13:54,329

we're a little bit and have to get taken

317

00:13:59,060 --> 00:13:56,470

out no I don't think so

318

00:14:01,230 --> 00:13:59,070

no little fart irrational for that I

319

00:14:02,940 --> 00:14:01,240

guess okay we'll go get back to my

320

00:14:07,470 --> 00:14:02,950

catharsis thanks for your time okay guys

321

00:14:09,750 --> 00:14:07,480

good good to see you later look we're

322

00:14:11,100 --> 00:14:09,760

out here in the foyer at the Australian

323

00:14:12,570 --> 00:14:11,110

Museum and you could just cut the

324

00:14:14,940 --> 00:14:12,580

tension with with something that you'd

325

00:14:17,250 --> 00:14:14,950

find in the museum shop and who we got

326

00:14:18,990 --> 00:14:17,260

here day hi this is Karen I'm from

327

00:14:20,910 --> 00:14:19,000

Melbourne hey all the way from melbourne

328

00:14:26,580 --> 00:14:20,920

now what did you a motorbike it did you

329

00:14:27,390 --> 00:14:26,590

walk hitchhike the plane yes and now

330

00:14:28,920 --> 00:14:27,400

what have you thought of what you've

331

00:14:30,540 --> 00:14:28,930

heard so far it's a really big day here

332

00:14:33,000 --> 00:14:30,550

and have you got the right shirt on

333

00:14:35,670 --> 00:14:33,010

colorful and skeptical it's almost as

334

00:14:37,440 --> 00:14:35,680

loud as yours men ours I had to wear

335

00:14:39,180 --> 00:14:37,450

some loud so people can seek me out to

336

00:14:41,490 --> 00:14:39,190

say some stuff but is there something

337

00:14:42,900 --> 00:14:41,500

you're looking forward to today the the

338

00:14:45,720 --> 00:14:42,910

dinner looks good i'm looking forward to

339

00:14:48,000 --> 00:14:45,730

the dinner definitely I'm definitely a

340

00:14:51,240 --> 00:14:48,010

fan of Laurens lungs so yeah that all

341

00:14:53,220 --> 00:14:51,250

that'll be good hopefully yes so far

342

00:14:55,890 --> 00:14:53,230

today it's still only only the morning

343

00:14:57,510 --> 00:14:55,900

so only a couple of talks so far but and

344

00:14:59,400 --> 00:14:57,520

what is your area what's your

345

00:15:02,880 --> 00:14:59,410

skeptically are you like delving in

346

00:15:06,630 --> 00:15:02,890

mucking around with I really sink my

347

00:15:08,850 --> 00:15:06,640

teeth into religion actually ok so would

348

00:15:13,370 --> 00:15:08,860

you be described as bone hanging I go

349

00:15:16,260 --> 00:15:13,380

word here and anti theist probably

350

00:15:18,330 --> 00:15:16,270

atheist is a definition that that suits

351

00:15:20,340 --> 00:15:18,340

me fine i think but yeah you know

352

00:15:23,820 --> 00:15:20,350

there's so many definitions out there

353

00:15:25,380 --> 00:15:23,830

and that they all pretty much overlap no

354

00:15:27,720 --> 00:15:25,390

I can't so you obviously look at if

355

00:15:29,460 --> 00:15:27,730

fewer theologies what's your favourite

356

00:15:31,950 --> 00:15:29,470

God that you like to look at and the

357

00:15:34,410 --> 00:15:31,960

effect on people my favorite what's odd

358

00:15:37,500 --> 00:15:34,420

your favorite which of the gods is your

359

00:15:40,590 --> 00:15:37,510

favorite I I like Thor he's definitely a

360

00:15:42,990 --> 00:15:40,600

favorite God and what an outfit and what

361

00:15:44,700 --> 00:15:43,000

an outfit you know Jesus of course was

362

00:15:48,600 --> 00:15:44,710

now two across and Thor carries a hammer

363

00:15:50,880 --> 00:15:48,610

you know you figure it out at any time

364

00:15:52,740 --> 00:15:50,890

he could go to a gay dance party in

365

00:15:55,160 --> 00:15:52,750

that outfit at any time Thor just turns

366

00:15:57,050 --> 00:15:55,170

up they go war absolutely

367

00:16:01,490 --> 00:15:57,060

good and what was his mi suppose we may

368

00:16:04,129 --> 00:16:01,500

block from by the way um I don't know it

369

00:16:06,680 --> 00:16:04,139

was it made of a song it's also gets it

370

00:16:08,509 --> 00:16:06,690

into ancient astronaut theory as well

371

00:16:10,160 --> 00:16:08,519

because you know a God with a mighty

372

00:16:12,530 --> 00:16:10,170

hammer could have been some technology

373

00:16:14,780 --> 00:16:12,540

like misinterpreted by the ancients it

374

00:16:16,370 --> 00:16:14,790

could have been but probably not there's

375

00:16:18,350 --> 00:16:16,380

very little evidence for this I know it

376

00:16:19,699 --> 00:16:18,360

will go well and that's into that

377

00:16:24,530 --> 00:16:19,709

conversation people have a good day

378

00:16:26,509 --> 00:16:24,540

cheers my dad thank you we're here in

379

00:16:28,519 --> 00:16:26,519

the lunchroom who am I talking to my

380

00:16:29,540 --> 00:16:28,529

name is Jason cook and I'm the current

381

00:16:32,960 --> 00:16:29,550

president of the Griffith University

382

00:16:35,420 --> 00:16:32,970

skeptics and freethinkers know so so has

383

00:16:37,340 --> 00:16:35,430

it been the conference with the

384

00:16:40,310 --> 00:16:37,350

kilometers today definitely definitely

385

00:16:41,389 --> 00:16:40,320

really informative really fun excellent

386

00:16:44,319 --> 00:16:41,399

conference it's only halfway through

387

00:16:46,519 --> 00:16:44,329

what's been the best bit wow I

388

00:16:48,740 --> 00:16:46,529

particularly liked the last speaker

389

00:16:50,660 --> 00:16:48,750

which was about science journalism and

390

00:16:52,699 --> 00:16:50,670

the decline dog dumbing down of science

391

00:16:54,860 --> 00:16:52,709

journalism i'm currently studying

392

00:16:56,780 --> 00:16:54,870

journalism and we'd like to get into the

393

00:16:59,180 --> 00:16:56,790

science area so when was the last time

394

00:17:00,500 --> 00:16:59,190

you went when you were reading a science

395

00:17:02,720 --> 00:17:00,510

journalism

396

00:17:06,260 --> 00:17:02,730

article yeah recently likely this

397

00:17:07,880 --> 00:17:06,270

morning it's a daily occurrence oh you

398

00:17:10,160 --> 00:17:07,890

see what the facts are wrong or it's

399

00:17:14,240 --> 00:17:10,170

poorly written or a little bit of both

400

00:17:15,860 --> 00:17:14,250

there can be facts wrong or sometimes it

401
00:17:18,130 --> 00:17:15,870
just doesn't seem to make sense there'll

402
00:17:21,020 --> 00:17:18,140
be something that our contradiction or

403
00:17:24,439 --> 00:17:21,030
terminology that they've sort of tried

404
00:17:26,540 --> 00:17:24,449
to use the language of science but

405
00:17:29,300 --> 00:17:26,550
without the understanding of it so it's

406
00:17:31,070 --> 00:17:29,310
almost like a poor translation you know

407
00:17:32,720 --> 00:17:31,080
when you do a translation program of a

408
00:17:34,240 --> 00:17:32,730
language other than English and it comes

409
00:17:37,580 --> 00:17:34,250
back as English and doesn't make sense

410
00:17:40,160 --> 00:17:37,590
that do you think it's just mainly they

411
00:17:42,950 --> 00:17:40,170
just they're rushing for deadlines or

412
00:17:45,560 --> 00:17:42,960
they're just sloppy or sometimes as they

413
00:17:47,240 --> 00:17:45,570

own agenda they're pushing it can be all

414

00:17:48,800 --> 00:17:47,250

of the above all of the above there's

415

00:17:50,990 --> 00:17:48,810

always a deadline issue which is getting

416

00:17:54,560 --> 00:17:51,000

harder and harder and harder and that's

417

00:17:57,530 --> 00:17:54,570

across all journalism but yeah the

418

00:17:58,790 --> 00:17:57,540

general in the general public there

419

00:18:01,070 --> 00:17:58,800

seems to be a problem with science

420

00:18:02,390 --> 00:18:01,080

literacy I say seems to be there's

421

00:18:05,300 --> 00:18:02,400

definitely a problem with science

422

00:18:07,430 --> 00:18:05,310

literacy a subsection of that public

423

00:18:10,370 --> 00:18:07,440

will become science journalists it's

424

00:18:12,830 --> 00:18:10,380

just the same problem flowing on it and

425

00:18:14,270 --> 00:18:12,840

what issues you skipped except the good

426
00:18:15,590 --> 00:18:14,280
university looking at the moment what

427
00:18:17,600 --> 00:18:15,600
about what's ringing your bell up that

428
00:18:19,400 --> 00:18:17,610
way at the moment in Queensland we

429
00:18:21,590 --> 00:18:19,410
always have young earth creationists

430
00:18:23,200 --> 00:18:21,600
always there's always the

431
00:18:24,730 --> 00:18:23,210
anti-vaccination network

432
00:18:26,409 --> 00:18:24,740
because they're in northern New South

433
00:18:28,480 --> 00:18:26,419
Wales they're not that far from where

434
00:18:30,399 --> 00:18:28,490
we're based so we're always keeping an

435
00:18:33,419 --> 00:18:30,409
eye on them and trying to inform people

436
00:18:36,519 --> 00:18:33,429
of what they're doing homeopathy I

437
00:18:40,090 --> 00:18:36,529
regularly take hundreds of homeopathic

438
00:18:42,970 --> 00:18:40,100

sleeping pills no effect whatsoever

439

00:18:45,850 --> 00:18:42,980

except to demonstrate it I did actually

440

00:18:49,000 --> 00:18:45,860

see on the dr ratush talk earlier to

441

00:18:50,830 --> 00:18:49,010

stop talking about homeopathic cures for

442

00:18:55,659 --> 00:18:50,840

breast cancer and I noticed actually one

443

00:18:57,940 --> 00:18:55,669

of the herbs there is a fusion th uja it

444

00:19:00,100 --> 00:18:57,950

actually think does have some topical

445

00:19:01,720 --> 00:19:00,110

effect if you put it onto a wound I

446

00:19:03,519 --> 00:19:01,730

think it can be helpful in a topic or

447

00:19:05,019 --> 00:19:03,529

form but not when diluted but I thought

448

00:19:07,389 --> 00:19:05,029

hang on that's one heard that actually

449

00:19:10,180 --> 00:19:07,399

does do something if directly applied to

450

00:19:12,630 --> 00:19:10,190

something yeah well a lot of curves are

451
00:19:15,100 --> 00:19:12,640
that's where we get medicine from

452
00:19:17,680 --> 00:19:15,110
paracetamol is derived from the bark of

453
00:19:21,159 --> 00:19:17,690
a willow tree I think that's where

454
00:19:23,440 --> 00:19:21,169
medicine comes from but so it's sort of

455
00:19:24,880 --> 00:19:23,450
a problem to reject all natural medicine

456
00:19:28,330 --> 00:19:24,890
or all alternative or complementary

457
00:19:30,370 --> 00:19:28,340
medicines however we need to test them

458
00:19:32,590 --> 00:19:30,380
to see if they work and if we test them

459
00:19:34,659 --> 00:19:32,600
and they don't work then they don't work

460
00:19:36,610 --> 00:19:34,669
unfortunately the moment they're not

461
00:19:39,190 --> 00:19:36,620
being adequately tested or those that

462
00:19:41,139 --> 00:19:39,200
are adequately tested are shown not to

463
00:19:42,700 --> 00:19:41,149

work but they're for sale and the

464

00:19:43,510 --> 00:19:42,710

general public doesn't know this sort of

465

00:19:45,490 --> 00:19:43,520

thing

466

00:19:47,020 --> 00:19:45,500

and what would be your dream science

467

00:19:49,450 --> 00:19:47,030

writing job but you like to work for the

468

00:19:52,240 --> 00:19:49,460

ABC sign kuna door for commercial paper

469

00:19:54,610 --> 00:19:52,250

definitely the obesity that's sort of my

470

00:19:56,380 --> 00:19:54,620

pinnacle I like to do the Hannibal

471

00:20:00,640 --> 00:19:56,390

Lecter voice in one day all the way to

472

00:20:02,080 --> 00:20:00,650

the ABC and it was arresting a the chat

473

00:20:04,000 --> 00:20:02,090

about science writing it's good to have

474

00:20:05,650 --> 00:20:04,010

a science department but as I've

475

00:20:06,880 --> 00:20:05,660

discovered working at the ABC sometimes

476
00:20:08,440 --> 00:20:06,890
if you're not in the science department

477
00:20:10,300 --> 00:20:08,450
and you want to do a science story

478
00:20:11,770 --> 00:20:10,310
there's a little bit of a ghettoization

479
00:20:13,540 --> 00:20:11,780
it's like I know you been not do that

480
00:20:15,340 --> 00:20:13,550
science story the science unit does that

481
00:20:17,050 --> 00:20:15,350
and certainly they would do it in a more

482
00:20:18,700 --> 00:20:17,060
informed way but it does block some

483
00:20:22,000 --> 00:20:18,710
lighter science stories getting through

484
00:20:23,800 --> 00:20:22,010
yeah that's definitely true and any

485
00:20:26,530 --> 00:20:23,810
science department can make mistakes

486
00:20:28,420 --> 00:20:26,540
over all fallible we all make mistakes

487
00:20:30,970 --> 00:20:28,430
a lot of what we do in the skeptic

488
00:20:33,250 --> 00:20:30,980

community is not just have scientists

489

00:20:34,930 --> 00:20:33,260

for instance a magician might be able to

490

00:20:36,790 --> 00:20:34,940

look at something James Randi is a great

491

00:20:39,220 --> 00:20:36,800

example of this he'll look at something

492

00:20:40,900 --> 00:20:39,230

and he can see where a mistake has been

493

00:20:44,110 --> 00:20:40,910

made that a normal scientist won't be

494

00:20:46,540 --> 00:20:44,120

able to necessarily pick that up there's

495

00:20:49,240 --> 00:20:46,550

a lot of psychology involved how we

496

00:20:50,710 --> 00:20:49,250

fooled ourselves how we deceived that's

497

00:20:53,020 --> 00:20:50,720

not necessarily something you're going

498

00:20:55,930 --> 00:20:53,030

to learn by becoming a chemist or a

499

00:20:57,820 --> 00:20:55,940

physicist you learn the methodology of

500

00:20:59,830 --> 00:20:57,830

science which is vital and probably the

501
00:21:01,270 --> 00:20:59,840
most important thing however unless you

502
00:21:03,010 --> 00:21:01,280
have critical thinking unless you have

503
00:21:06,820 --> 00:21:03,020
an understanding of how we can be fooled

504
00:21:09,640 --> 00:21:06,830
how we can be deceived sometimes being a

505
00:21:11,140 --> 00:21:09,650
scientist isn't enough and what's the

506
00:21:12,730 --> 00:21:11,150
best way we can contact your skeptical

507
00:21:14,830 --> 00:21:12,740
group online you've got you've got like

508
00:21:19,660 --> 00:21:14,840
a great website would flash things that

509
00:21:25,710 --> 00:21:19,670
pop out and things we have a website you

510
00:21:28,840 --> 00:21:25,720
can find our blog which is wwg ussf calm

511
00:21:31,060 --> 00:21:28,850
complicated but also if you just google

512
00:21:34,240 --> 00:21:31,070
Griffith University skeptics or if you

513
00:21:36,400 --> 00:21:34,250

google my name jason j ayson cooksey

514

00:21:38,770 --> 00:21:36,410

double o ke and you can find our stuff

515

00:21:40,060 --> 00:21:38,780

everywhere all over the internet will

516

00:21:41,950 --> 00:21:40,070

enjoy the rest of the day and good luck

517

00:21:54,960 --> 00:21:41,960

with that future job at the ABC science

518

00:22:03,430 --> 00:21:57,580

this is james randi and you're listening

519

00:22:06,310 --> 00:22:03,440

to the skeptic zone hi this is carrie

520

00:22:09,369 --> 00:22:06,320

papi I'm Ross Fletcher okay Ross hey

521

00:22:12,159 --> 00:22:09,379

we're from a podcast called oh no Ross

522

00:22:13,930 --> 00:22:12,169

and Carrie we find out what happens when

523

00:22:16,090 --> 00:22:13,940

you show up and ask questions we've hung

524

00:22:18,430 --> 00:22:16,100

out with the Cabalists the Mormons we've

525

00:22:21,190 --> 00:22:18,440

gone and gotten ear candle gone to the

526

00:22:22,810 --> 00:22:21,200

Sikhs we show up so you don't have to so

527

00:22:24,729 --> 00:22:22,820

find out where we're going next we'll

528

00:22:27,339 --> 00:22:24,739

even have special episodes where we have

529

00:22:29,139 --> 00:22:27,349

famous guests like Brian Dalton from mr.

530

00:22:31,450 --> 00:22:29,149

deity you heard that awesome theme music

531

00:22:35,169 --> 00:22:31,460

he wrote that you should come visit us

532

00:22:37,960 --> 00:22:35,179

at Oh No podcast.com or facebook.com

533

00:22:42,129 --> 00:22:37,970

slash on rack what the hell's honor a

534

00:22:44,649 --> 00:22:42,139

cross Oh in RAC Oh Oh No Ross and Carrie

535

00:22:53,810 --> 00:22:44,659

that's our show that's a smart come join

536

00:23:08,760 --> 00:22:59,130

is some food for thought it's reality

537

00:23:09,919 --> 00:23:08,770

bites with Joanne Ben amoo Food

538

00:23:12,360 --> 00:23:09,929

Standards Australia New Zealand

539

00:23:14,669 --> 00:23:12,370

reiterated warnings last week about

540

00:23:17,100 --> 00:23:14,679

potentially toxic raw apricot kernels

541

00:23:19,500 --> 00:23:17,110

being sold for consumption online and in

542

00:23:21,779 --> 00:23:19,510

health food stores this move came in

543

00:23:23,730 --> 00:23:21,789

response to chai tree an alternative

544

00:23:25,470 --> 00:23:23,740

health company and Victoria who have

545

00:23:27,510 --> 00:23:25,480

reintroduced the kernels to the market

546

00:23:30,990 --> 00:23:27,520

following initially participating in a

547

00:23:33,690 --> 00:23:31,000

recall issued by FSA and Z the company

548

00:23:35,909 --> 00:23:33,700

stated on its website that quote the

549

00:23:38,880 --> 00:23:35,919

consumption of raw apricot kernels may

550

00:23:41,159 --> 00:23:38,890

result in adverse reactions raw apricot

551
00:23:43,370 --> 00:23:41,169
kernels contain amygdalin which releases

552
00:23:46,680 --> 00:23:43,380
naturally-occurring hydrocyanic acid

553
00:23:48,120 --> 00:23:46,690
this is toxic in excess it is the advice

554
00:23:50,039 --> 00:23:48,130
of Food Standards Australia New Zealand

555
00:23:52,440 --> 00:23:50,049
and the Department of Health that may

556
00:23:56,070 --> 00:23:52,450
not be consumed please use responsibly

557
00:23:59,610 --> 00:23:56,080
an archived version of the same website

558
00:24:01,590 --> 00:23:59,620
from 2006 states unfortunately due to

559
00:24:03,690 --> 00:24:01,600
certain regulations imposed by governing

560
00:24:05,250 --> 00:24:03,700
bodies we can't educate you on the

561
00:24:07,710 --> 00:24:05,260
therapeutic properties of apricot

562
00:24:10,320 --> 00:24:07,720
kernels however we will happily direct

563
00:24:12,360 --> 00:24:10,330

you to any necessary information they

564

00:24:16,260 --> 00:24:12,370

provide links to websites including cure

565

00:24:18,060 --> 00:24:16,270

zone b-17 and apricot power all of which

566

00:24:20,100 --> 00:24:18,070

promote the use of amygdalin to treat

567

00:24:21,810 --> 00:24:20,110

cancer and claim that the medical

568

00:24:24,240 --> 00:24:21,820

establishment has tried to suppress it

569

00:24:27,029 --> 00:24:24,250

an initial warning had been issued

570

00:24:29,220 --> 00:24:27,039

earlier in November when FSA and Zed

571

00:24:31,440 --> 00:24:29,230

placed a recall on kernels sold by chai

572

00:24:34,080 --> 00:24:31,450

tree after a Queensland man became

573

00:24:37,159 --> 00:24:34,090

unwell the tested product was found to

574

00:24:40,680 --> 00:24:37,169

contain high levels of hydrocyanic acid

575

00:24:42,480 --> 00:24:40,690

hydrocyanic acid is cyanide and yet the

576
00:24:43,980 --> 00:24:42,490
kernels are touted by some alternative

577
00:24:47,580 --> 00:24:43,990
health proponents as a treatment for

578
00:24:49,560 --> 00:24:47,590
cancer toxicity is increased by oral

579
00:24:52,110 --> 00:24:49,570
consumption due to the way our bodies

580
00:24:54,149 --> 00:24:52,120
metabolize amygdalin which is also found

581
00:24:56,789 --> 00:24:54,159
in other fruit pits and seeds such as

582
00:24:58,320 --> 00:24:56,799
almonds and cherries the bitter form of

583
00:25:00,600 --> 00:24:58,330
the pits is popular with those seeking

584
00:25:02,880 --> 00:25:00,610
alternative treatments as they contain

585
00:25:05,340 --> 00:25:02,890
higher levels of amygdalin

586
00:25:07,710 --> 00:25:05,350
speaking to the Age newspaper professor

587
00:25:09,900 --> 00:25:07,720
in over the cancer council stated that

588
00:25:11,640 --> 00:25:09,910

many people think that if it's derived

589

00:25:15,560 --> 00:25:11,650

from a fruit that it can't be too

590

00:25:18,060 --> 00:25:15,570

harmful but in this case it can be

591

00:25:20,430 --> 00:25:18,070

people are known to consume up to 50

592

00:25:23,310 --> 00:25:20,440

pits per day but even a small number may

593

00:25:25,680 --> 00:25:23,320

be harmful speaking to hospitality

594

00:25:28,020 --> 00:25:25,690

magazine Alan Koontz of the New South

595

00:25:30,420 --> 00:25:28,030

Wales food authorities stated at the

596

00:25:32,370 --> 00:25:30,430

level of hydrocyanic acid detected in

597

00:25:33,990 --> 00:25:32,380

this product only a small number of

598

00:25:35,790 --> 00:25:34,000

apricot kernels would need to be

599

00:25:38,250 --> 00:25:35,800

consumed to reach potentially unsafe

600

00:25:41,280 --> 00:25:38,260

levels according to published toxicity

601
00:25:43,350 --> 00:25:41,290
data health claims surrounding the

602
00:25:45,900 --> 00:25:43,360
substance date back to Russia in the

603
00:25:49,320 --> 00:25:45,910
mid-1800s gaining popularity in the

604
00:25:52,620 --> 00:25:49,330
1950s when dr. Ernst eat crab senior and

605
00:25:54,870 --> 00:25:52,630
his son earns t cremes jr. promoted the

606
00:25:58,470 --> 00:25:54,880
use of a synthesized form of amygdalin

607
00:26:00,150 --> 00:25:58,480
to treat cancer crab senior and son had

608
00:26:02,550 --> 00:26:00,160
a long history of promoting various

609
00:26:04,230 --> 00:26:02,560
substances as cancer cures and on

610
00:26:07,530 --> 00:26:04,240
notable figures in the history of cancer

611
00:26:09,960 --> 00:26:07,540
quackery krebs claimed that cancerous

612
00:26:11,910 --> 00:26:09,970
cells are rich in an enzyme which causes

613
00:26:14,850 --> 00:26:11,920

release of cyanide from amygdalin

614

00:26:17,280 --> 00:26:14,860

killing the cancerous tissue healthy

615

00:26:20,340 --> 00:26:17,290

tissue is spared by another enzyme which

616

00:26:23,370 --> 00:26:20,350

deactivates the cyanide when authorities

617

00:26:27,060 --> 00:26:23,380

tried to banish krebs rebranded a medlin

618

00:26:29,900 --> 00:26:27,070

as vitamin b17 or layer trial claiming a

619

00:26:32,580 --> 00:26:29,910

deficiency of the vitamin led to cancer

620

00:26:34,860 --> 00:26:32,590

like other pseudo scientific theories

621

00:26:36,420 --> 00:26:34,870

the claimed mechanism of action has

622

00:26:39,930 --> 00:26:36,430

never been shown to have scientific

623

00:26:42,180 --> 00:26:39,940

plausibility a 2006 review from the

624

00:26:43,830 --> 00:26:42,190

Cochrane Collaboration concluded that

625

00:26:45,810 --> 00:26:43,840

claims of benefit for cancer patients

626
00:26:49,290 --> 00:26:45,820
are not supported by data from

627
00:26:52,830 --> 00:26:49,300
controlled clinical trials a 1982 trial

628
00:26:55,140 --> 00:26:52,840
of 175 patients found that in orbit one

629
00:26:57,150 --> 00:26:55,150
patient Jimmer's increased in size

630
00:26:59,250 --> 00:26:57,160
following treatment with authors

631
00:27:01,340 --> 00:26:59,260
concluding that it is a toxic drug that

632
00:27:03,690 --> 00:27:01,350
is not effective as a cancer treatment

633
00:27:05,190 --> 00:27:03,700
there have been numerous cases of

634
00:27:07,410 --> 00:27:05,200
patients seeking treatment with low

635
00:27:09,840 --> 00:27:07,420
trial most notably the late Steve

636
00:27:11,610 --> 00:27:09,850
McQueen he had traveled to Mexico

637
00:27:13,860 --> 00:27:11,620
seeking alternative treatments for a

638
00:27:15,100 --> 00:27:13,870

mesothelioma diagnosis he received in

639

00:27:17,620 --> 00:27:15,110

1979

640

00:27:20,260 --> 00:27:17,630

he reportedly underwent a punishing

641

00:27:23,650 --> 00:27:20,270

regime including up to 50 daily vitamins

642

00:27:26,200 --> 00:27:23,660

coffee enemas and lateral mcqueen died

643

00:27:27,640 --> 00:27:26,210

shortly after claiming recovery having

644

00:27:30,940 --> 00:27:27,650

failed to respond to any of these

645

00:27:33,130 --> 00:27:30,950

treatments another harrowing case was

646

00:27:35,200 --> 00:27:33,140

that of two-year-old Chad Green whose

647

00:27:37,570 --> 00:27:35,210

parents fled to Mexico against court

648

00:27:39,820 --> 00:27:37,580

orders seeking alternative treatment for

649

00:27:42,850 --> 00:27:39,830

his leukemia which had responded well to

650

00:27:45,039 --> 00:27:42,860

chemotherapy Chad's death suggested

651
00:27:47,980 --> 00:27:45,049
cyanide poisoning but the quack watch

652
00:27:50,470 --> 00:27:47,990
website notes that dr. Contreras a noted

653
00:27:52,990 --> 00:27:50,480
proponent of laetrile therapy claimed he

654
00:27:55,180 --> 00:27:53,000
died of leukemia and was a good example

655
00:27:59,380 --> 00:27:55,190
of the effectiveness of laetrile because

656
00:28:01,360 --> 00:27:59,390
he had died of pleasant death in 1975 a

657
00:28:03,340 --> 00:28:01,370
class action lawsuit attempted to force

658
00:28:05,980 --> 00:28:03,350
the FDA to allow terminal cancer

659
00:28:09,460 --> 00:28:05,990
patients to obtain lair trial the case

660
00:28:11,049 --> 00:28:09,470
was initially successful but in 1979 the

661
00:28:13,180 --> 00:28:11,059
US Supreme Court rejected the argument

662
00:28:16,990 --> 00:28:13,190
the terminal patients be exempted from

663
00:28:19,690 --> 00:28:17,000

FDA regulation while it has been banned

664

00:28:22,090 --> 00:28:19,700

for sale in many countries hospitals in

665

00:28:24,190 --> 00:28:22,100

Mexico such as the Oasis of Hope cancer

666

00:28:26,620 --> 00:28:24,200

hospital continue to offer it as a

667

00:28:29,430 --> 00:28:26,630

treatment and many websites offering

668

00:28:32,169 --> 00:28:29,440

alternative cancer cures promote its use

669

00:28:43,480 --> 00:28:32,179

Cancer Council are calling for a ban on

670

00:28:45,610 --> 00:28:43,490

the Colonel's now on Belfast FM we turn

671

00:28:47,770 --> 00:28:45,620

to the personal ads easing going and

672

00:28:49,990 --> 00:28:47,780

confident skeptic seeks other critical

673

00:28:52,330 --> 00:28:50,000

thinkers for fun laughter and good times

674

00:28:54,730 --> 00:28:52,340

must be willing to apply logic liberally

675

00:28:56,740 --> 00:28:54,740

and a good listener expect something new

676
00:28:58,360 --> 00:28:56,750
and interesting every month come and

677
00:29:00,250 --> 00:28:58,370
meet me in Belfast in Northern Ireland

678
00:29:03,669 --> 00:29:00,260
if this sounds like you check out my

679
00:29:11,110 --> 00:29:03,679
profile on bail for skeptics calm music

680
00:29:13,280 --> 00:29:11,120
by Kevin MacLeod join us now for

681
00:29:21,620 --> 00:29:13,290
drinking skeptically

682
00:29:23,330 --> 00:29:21,630
in the think tank of the cut being made

683
00:29:25,610 --> 00:29:23,340
the cuts themselves in Mali it was the

684
00:29:28,880 --> 00:29:25,620
thought of that Richard is recording us

685
00:29:32,210 --> 00:29:28,890
now hello hello hello Iran hello dr.

686
00:29:33,830 --> 00:29:32,220
rachy and welcome to this interesting

687
00:29:35,630 --> 00:29:33,840
thing tank we have for you this week

688
00:29:37,310 --> 00:29:35,640

we're not coming to you from our

689

00:29:39,920 --> 00:29:37,320

favorite club down the end of the street

690

00:29:44,600 --> 00:29:39,930

indeed we're coming to you from Iran sir

691

00:29:46,520 --> 00:29:44,610

gives learn drew come office sort of

692

00:29:48,470 --> 00:29:46,530

utility so they deal until we finish

693

00:29:50,510 --> 00:29:48,480

renovating the this is the office as

694

00:29:52,310 --> 00:29:50,520

well as the lounge so we've decided to

695

00:29:54,110 --> 00:29:52,320

come to a completely different part of

696

00:29:57,410 --> 00:29:54,120

Sydney Town thanks thanks to a bunch of

697

00:29:58,850 --> 00:29:57,420

Nana's and my numpty RSL we were going

698

00:30:00,620 --> 00:29:58,860

to be in another club but it didn't

699

00:30:04,010 --> 00:30:00,630

quite work out so here we are

700

00:30:05,510 --> 00:30:04,020

nevertheless and I must say that the the

701
00:30:07,970 --> 00:30:05,520
biggest thing that's happened and as

702
00:30:09,980 --> 00:30:07,980
listeners know earlier early in the show

703
00:30:12,440 --> 00:30:09,990
was our little convention and what a

704
00:30:14,570 --> 00:30:12,450
great success that was very very good I

705
00:30:16,730 --> 00:30:14,580
think we all enjoyed taking part of that

706
00:30:19,820 --> 00:30:16,740
and the dinner was great good fun good

707
00:30:22,910 --> 00:30:19,830
fun all around and Thank You Iran for

708
00:30:24,950 --> 00:30:22,920
doing the lion's share of the work to

709
00:30:26,480 --> 00:30:24,960
get that together thank you it was

710
00:30:29,810 --> 00:30:26,490
really good say the highlight for me was

711
00:30:32,720 --> 00:30:29,820
done Peter Daugherty's talk it was just

712
00:30:35,360 --> 00:30:32,730
absolutely fantastic he's brilliant is

713
00:30:37,550 --> 00:30:35,370

yeah it was just so inspiring I like yes

714

00:30:41,330 --> 00:30:37,560

that was very good and i also like Peter

715

00:30:43,130 --> 00:30:41,340

Hatfield yes potholder 54 only 54 in

716

00:30:45,950 --> 00:30:43,140

that was great to see him and dr. Reggie

717

00:30:50,150 --> 00:30:45,960

of course gave a great talk i was i have

718

00:30:52,700 --> 00:30:50,160

to say i like the paddle most well

719

00:30:54,500 --> 00:30:52,710

that's I wonder why I up a little bit

720

00:30:57,740 --> 00:30:54,510

sika nice probably sounded like um

721

00:30:59,630 --> 00:30:57,750

Sylvia Browne at the moment it's now

722

00:31:03,350 --> 00:30:59,640

hopping all as we speak rachel has got a

723

00:31:04,850 --> 00:31:03,360

little full of worms look yeah it's a

724

00:31:08,650 --> 00:31:04,860

little worm was just crawling on your

725

00:31:12,560 --> 00:31:08,660

shoulder oh I let it out don't know me

726

00:31:14,870 --> 00:31:12,570

now that the panel that we would it goes

727

00:31:16,310 --> 00:31:14,880

out the door the it was like one of

728

00:31:19,100 --> 00:31:16,320

these little caterpillar

729

00:31:20,680 --> 00:31:19,110

each way yeah probably would have got

730

00:31:23,269 --> 00:31:20,690

around to my feel like I just

731

00:31:27,230 --> 00:31:23,279

participated in a in a worm edition of

732

00:31:29,360 --> 00:31:27,240

free will the panel we were discussing

733

00:31:32,090 --> 00:31:29,370

just now from our national convention

734

00:31:35,060 --> 00:31:32,100

was sort of a health panel it was about

735

00:31:37,690 --> 00:31:35,070

the title was regulating alternative

736

00:31:41,810 --> 00:31:37,700

medicine or regular regulating medicine

737

00:31:44,389 --> 00:31:41,820

and the the moderator was Christopher's

738

00:31:46,249 --> 00:31:44,399

in from choice good news so it was very

739

00:31:48,529 --> 00:31:46,259

I mean he's done it a lot he's done that

740

00:31:50,389 --> 00:31:48,539

a few times before but it was very good

741

00:31:52,789 --> 00:31:50,399

he was very and I should point out that

742

00:31:56,330 --> 00:31:52,799

the choice has just given an honorary

743

00:31:58,789 --> 00:31:56,340

shonky oras or dishonorable mention in

744

00:32:00,409 --> 00:31:58,799

the shang keys to the TGA which is good

745

00:32:02,690 --> 00:32:00,419

because one of the members of the panel

746

00:32:05,330 --> 00:32:02,700

was drawn hammer doctor dr. Owen Hammett

747

00:32:08,299 --> 00:32:05,340

who is the national head of the TGA

748

00:32:12,110 --> 00:32:08,309

which was I thought it a nice nice cool

749

00:32:14,570 --> 00:32:12,120

for us we also had Marcus Betsy who is

750

00:32:18,259 --> 00:32:14,580

the head of compliance unit with the a

751
00:32:21,259 --> 00:32:18,269
Triple C and ken harvey which which has

752
00:32:24,769 --> 00:32:21,269
this thorn in their side serial

753
00:32:26,139 --> 00:32:24,779
complainer and I continued to do that so

754
00:32:28,700 --> 00:32:26,149
the tunnel and I thought it was a great

755
00:32:32,240 --> 00:32:28,710
just to remind listeners of course the

756
00:32:34,249 --> 00:32:32,250
TGA is the therapeutics Goods

757
00:32:37,159 --> 00:32:34,259
Administration it's the equivalent of

758
00:32:39,619 --> 00:32:37,169
the FDA in this in the state so i guess

759
00:32:45,289 --> 00:32:39,629
the NHS not really the UHS but yeah

760
00:32:48,789 --> 00:32:45,299
what's it it's more o.o actually a 19

761
00:32:51,980 --> 00:32:48,799
the UK it's something wrong mhm a

762
00:32:56,269 --> 00:32:51,990
medicine and health regulatory mrs I

763
00:32:58,909 --> 00:32:56,279

know that society get something back

764

00:33:02,810 --> 00:32:58,919

mhra oh sorry I have some emails with

765

00:33:05,240 --> 00:33:02,820

Alan Anderson oh yeah engine it but the

766

00:33:07,159 --> 00:33:05,250

a Triple C stands for the Australian

767

00:33:09,799 --> 00:33:07,169

Competition and Consumer Commission

768

00:33:13,279 --> 00:33:09,809

which is sort of like in America's sort

769

00:33:16,519 --> 00:33:13,289

of like the FTC is this is this how many

770

00:33:18,919 --> 00:33:16,529

acronyms can return to a think tank but

771

00:33:20,140 --> 00:33:18,929

but the point is like every minute he

772

00:33:23,910 --> 00:33:20,150

lays

773

00:33:26,080 --> 00:33:23,920

you're single the a trip will see is the

774

00:33:29,020 --> 00:33:26,090

organization in Australia that actually

775

00:33:31,630 --> 00:33:29,030

does stuff and has teeth yes and the TTA

776

00:33:33,720 --> 00:33:31,640

and is the paper tiger as can be seen

777

00:33:36,280 --> 00:33:33,730

but I thought it was so interesting that

778

00:33:39,970 --> 00:33:36,290

Ken gave the first presentation because

779

00:33:42,070 --> 00:33:39,980

the the thought the the panel was such

780

00:33:44,410 --> 00:33:42,080

that each person gave 10 minutes and

781

00:33:47,290 --> 00:33:44,420

then there was a discussion and Ken

782

00:33:49,660 --> 00:33:47,300

started off just slamming the TGA and

783

00:33:52,420 --> 00:33:49,670

actually put up a picture of an origami

784

00:33:56,680 --> 00:33:52,430

tiger I don't think name next to it

785

00:33:58,270 --> 00:33:56,690

paper tiger today and I that Rowan

786

00:34:00,910 --> 00:33:58,280

Hammett didn't look particularly

787

00:34:03,820 --> 00:34:00,920

comfortable for the hour and a half he

788

00:34:05,590 --> 00:34:03,830

SAT there no I mean good item for

789

00:34:07,060 --> 00:34:05,600

turning up one point I did feel a little

790

00:34:09,550 --> 00:34:07,070

bit sorry for him but then he started

791

00:34:11,470 --> 00:34:09,560

spouting logical fallacies about but

792

00:34:15,220 --> 00:34:11,480

people die of paracetamol overdoses

793

00:34:18,130 --> 00:34:15,230

every year so leave Camelot he was he I

794

00:34:21,040 --> 00:34:18,140

should be snapping basis of what he was

795

00:34:23,409 --> 00:34:21,050

saying and at some level I could kind of

796

00:34:26,230 --> 00:34:23,419

get what you saying but it doesn't

797

00:34:28,870 --> 00:34:26,240

actually to me justify the situation the

798

00:34:31,600 --> 00:34:28,880

argument seems to be that cam is seen as

799

00:34:34,270 --> 00:34:31,610

being low risk and therefore the Wayne

800

00:34:36,909 --> 00:34:34,280

TGA handles it is to say it's low risk

801
00:34:38,740 --> 00:34:36,919
and therefore at some level we can were

802
00:34:42,399 --> 00:34:38,750
comfortable with this situation of

803
00:34:46,990 --> 00:34:42,409
low-risk products not having as much

804
00:34:49,510 --> 00:34:47,000
scrutiny and and oversight compared to

805
00:34:50,770 --> 00:34:49,520
high-risk things like oh look over here

806
00:34:52,690 --> 00:34:50,780
medications caused all these problems

807
00:34:54,070 --> 00:34:52,700
and people die from medications every

808
00:34:55,780 --> 00:34:54,080
year and therefore we have to focus more

809
00:34:57,450 --> 00:34:55,790
over there and that just doesn't cut it

810
00:35:00,670 --> 00:34:57,460
for me as far as I'm concerned it's

811
00:35:02,620 --> 00:35:00,680
still there there are still significant

812
00:35:04,420 --> 00:35:02,630
risks well he was changing the subject

813
00:35:07,630 --> 00:35:04,430

but he was also he was also making

814

00:35:09,250 --> 00:35:07,640

excuses because the thing is they're not

815

00:35:11,860 --> 00:35:09,260

doing the other one the other part as

816

00:35:14,130 --> 00:35:11,870

well which which we know as of the last

817

00:35:18,760 --> 00:35:14,140

couple days there's a big issue with

818

00:35:21,610 --> 00:35:18,770

with the hip replacements so and we know

819

00:35:23,470 --> 00:35:21,620

there's been issues with nurofen with

820

00:35:24,850 --> 00:35:23,480

the advertising for neuro so that it's

821

00:35:27,670 --> 00:35:24,860

not like they're doing such a good job

822

00:35:30,010 --> 00:35:27,680

on the on the high-risk medicine side

823

00:35:32,230 --> 00:35:30,020

either and I think part of the problem

824

00:35:34,990 --> 00:35:32,240

is with with dr. Hamid is

825

00:35:38,020 --> 00:35:35,000

he does find excuses and we saw that

826

00:35:39,550 --> 00:35:38,030

recently with a the issue with the audit

827

00:35:41,859 --> 00:35:39,560

so they ran it the way it works just

828

00:35:46,270 --> 00:35:41,869

very generally and correct me if I'm

829

00:35:48,220 --> 00:35:46,280

wrong eh the that the aust that we have

830

00:35:50,980 --> 00:35:48,230

two types of registration or post our

831

00:35:52,750 --> 00:35:50,990

registration registered products there

832

00:35:54,550 --> 00:35:52,760

are the ones that are like normal

833

00:35:57,220 --> 00:35:54,560

medications basically and they have to

834

00:35:59,350 --> 00:35:57,230

go through all the double-blind testing

835

00:36:01,180 --> 00:35:59,360

and phase 1 2 3 and all those things in

836

00:36:02,890 --> 00:36:01,190

and with monitoring continuing through

837

00:36:06,370 --> 00:36:02,900

phase 4 and in that those are the

838

00:36:08,530 --> 00:36:06,380

registered products the listed products

839

00:36:11,050 --> 00:36:08,540

we had which have an austell number are

840

00:36:13,170 --> 00:36:11,060

simply declared by their sponsors that

841

00:36:16,470 --> 00:36:13,180

they have they include certain

842

00:36:19,690 --> 00:36:16,480

ingredients that are part of a list of

843

00:36:22,120 --> 00:36:19,700

Priya Priya pre-approved ingredients at

844

00:36:23,680 --> 00:36:22,130

a low risk and they say they make the

845

00:36:25,840 --> 00:36:23,690

claims they actually write this free

846

00:36:27,700 --> 00:36:25,850

free text that they can put in that

847

00:36:29,200 --> 00:36:27,710

explains what the product does but

848

00:36:30,880 --> 00:36:29,210

nobody reading hold them to account in

849

00:36:32,920 --> 00:36:30,890

terms o and they say we have the

850

00:36:34,359 --> 00:36:32,930

evidence yeah and I can do it all online

851

00:36:35,890 --> 00:36:34,369

but basically it could do it all online

852

00:36:37,420 --> 00:36:35,900

you pay a hundred and ninety-eight

853

00:36:39,310 --> 00:36:37,430

dollars or something and you get you get

854

00:36:42,040 --> 00:36:39,320

the number that doesn't thought section

855

00:36:43,990 --> 00:36:42,050

oh okay was it no way rather than

856

00:36:46,930 --> 00:36:44,000

something well that makes a huge

857

00:36:51,190 --> 00:36:46,940

difference yes clinical trials are about

858

00:36:53,740 --> 00:36:51,200

a segment Mary money okay so yeah I

859

00:36:55,930 --> 00:36:53,750

remember Pfizer's budget a clinical

860

00:36:57,640 --> 00:36:55,940

research budget i think is 6.2 billion

861

00:37:00,220 --> 00:36:57,650

dollars a year or something i just saw

862

00:37:03,190 --> 00:37:00,230

something really question so anyway the

863

00:37:05,560 --> 00:37:03,200

fam the thing is the thing is they what

864

00:37:07,000 --> 00:37:05,570

what they do the listed product is that

865

00:37:09,760 --> 00:37:07,010

they're supposed to audit a certain

866

00:37:11,290 --> 00:37:09,770

number every year and in recent audit

867

00:37:14,260 --> 00:37:11,300

they found ninety percent were

868

00:37:17,080 --> 00:37:14,270

non-compliant now some of them were

869

00:37:19,750 --> 00:37:17,090

non-compliant on trivial matters like

870

00:37:22,270 --> 00:37:19,760

the size of certain things on the on the

871

00:37:24,810 --> 00:37:22,280

laser device yes yeah so some of them

872

00:37:27,760 --> 00:37:24,820

were or something's missing and but but

873

00:37:28,870 --> 00:37:27,770

the point is that first of all ninety

874

00:37:30,820 --> 00:37:28,880

percent of them were found to be

875

00:37:32,530 --> 00:37:30,830

non-compliant but within those ninety

876

00:37:34,900 --> 00:37:32,540

percent the vast majority were also

877

00:37:36,550 --> 00:37:34,910

non-compliant on many other way many

878

00:37:38,950 --> 00:37:36,560

other things some of which are quite

879

00:37:40,960 --> 00:37:38,960

serious but when row and Hammett was

880

00:37:43,450 --> 00:37:40,970

interviewed on the radio about it he

881

00:37:44,970 --> 00:37:43,460

said oh most of them were trivial most

882

00:37:47,040 --> 00:37:44,980

of them were things like labeling and

883

00:37:49,830 --> 00:37:47,050

like that which is patently not true i

884

00:37:53,640 --> 00:37:49,840

mean the numbers are out there and it's

885

00:37:56,430 --> 00:37:53,650

just not true that that the majority are

886

00:37:58,260 --> 00:37:56,440

minor things the majority I actually can

887

00:38:00,630 --> 00:37:58,270

I can I make a further point on that too

888

00:38:04,859 --> 00:38:00,640

in terms of obfuscation in with respect

889

00:38:07,050 --> 00:38:04,869

to dr. Hammett that audit only covered a

890

00:38:09,270 --> 00:38:07,060

very small percentage of the 10,000

891

00:38:11,070 --> 00:38:09,280

products that are listed so in the very

892

00:38:13,320 --> 00:38:11,080

small amount that they audited ninety

893

00:38:15,420 --> 00:38:13,330

percent didn't comply and the tj's

894

00:38:17,940 --> 00:38:15,430

excuse after that two ones well we only

895

00:38:20,550 --> 00:38:17,950

actually covered a small number so if we

896

00:38:25,290 --> 00:38:20,560

actually audited more it probably would

897

00:38:27,060 --> 00:38:25,300

you know revert to the mean no no if you

898

00:38:29,070 --> 00:38:27,070

started off with ninety percent wrong

899

00:38:31,620 --> 00:38:29,080

it's unlikely you're going to go back to

900

00:38:33,270 --> 00:38:31,630

ten percent you know if you increase the

901
00:38:34,859 --> 00:38:33,280
number of products that you audit it's

902
00:38:37,500 --> 00:38:34,869
just me that's that's the kind of

903
00:38:40,500 --> 00:38:37,510
obfuscation and rhetoric that he was

904
00:38:42,510 --> 00:38:40,510
using on Saturday he was he was yes just

905
00:38:44,580 --> 00:38:42,520
to get out of every question and every

906
00:38:46,170 --> 00:38:44,590
excuse in the world a lot of angle a lot

907
00:38:48,120 --> 00:38:46,180
of people making the comment ities

908
00:38:50,790 --> 00:38:48,130
sounded like a typical politician I

909
00:38:52,260 --> 00:38:50,800
don't know I know whether you'd agree

910
00:38:54,900 --> 00:38:52,270
with me but the thing that gets me is

911
00:38:59,370 --> 00:38:54,910
let's let's assume that all of these

912
00:39:01,080 --> 00:38:59,380
products are actually low risk that they

913
00:39:03,500 --> 00:39:01,090

really you know there is nothing that

914

00:39:05,820 --> 00:39:03,510

could cause any harm and that's all fine

915

00:39:07,800 --> 00:39:05,830

the fact remains and what still bothers

916

00:39:10,170 --> 00:39:07,810

me is that I'm not comfortable with the

917

00:39:13,230 --> 00:39:10,180

fact that the TGA would have an attitude

918

00:39:17,099 --> 00:39:13,240

that low risk in terms of physical harm

919

00:39:19,140 --> 00:39:17,109

which isn't obviously important means

920

00:39:21,060 --> 00:39:19,150

therefore it's okay with consumers who

921

00:39:23,940 --> 00:39:21,070

maybe two nite and you don't know better

922

00:39:26,370 --> 00:39:23,950

being ripped off that's not but I think

923

00:39:31,170 --> 00:39:26,380

actually that's not the TGA the problem

924

00:39:33,390 --> 00:39:31,180

is the law the TGA should enforce what

925

00:39:35,430 --> 00:39:33,400

the law says okay there is a problem

926
00:39:37,500 --> 00:39:35,440
with the law yeah it has this whole the

927
00:39:39,420 --> 00:39:37,510
whole listed thing is just ridiculous

928
00:39:41,550 --> 00:39:39,430
because it it gives them a an air

929
00:39:43,590 --> 00:39:41,560
there's an air of being endorsed and

930
00:39:44,940 --> 00:39:43,600
superior like approved by really to say

931
00:39:46,830 --> 00:39:44,950
approved like that it's actually a

932
00:39:48,810 --> 00:39:46,840
ridiculous if anybody knows how the

933
00:39:50,790 --> 00:39:48,820
system works knows that it hasn't been

934
00:39:52,560 --> 00:39:50,800
approved or these products haven't been

935
00:39:53,520 --> 00:39:52,570
approved so I think that's a problem

936
00:39:55,470 --> 00:39:53,530
with the law but the problem is that

937
00:39:56,780 --> 00:39:55,480
within the law there's things they can

938
00:40:00,980 --> 00:39:56,790

do to make things better

939

00:40:03,410 --> 00:40:00,990

huh and they don't know the topic of Ed

940

00:40:06,440 --> 00:40:03,420

candles came up or as an example to him

941

00:40:08,810 --> 00:40:06,450

and his attitude was all well if we if

942

00:40:10,970 --> 00:40:08,820

we d list one of them then they just

943

00:40:14,660 --> 00:40:10,980

alter the claims and listed against

944

00:40:16,370 --> 00:40:14,670

that's like but and he kept on saying as

945

00:40:20,540 --> 00:40:16,380

if this would make us feel better and I

946

00:40:24,200 --> 00:40:20,550

mean seriously he was sitting facing 120

947

00:40:26,540 --> 00:40:24,210

skeptics important some sorry 140 some

948

00:40:28,220 --> 00:40:26,550

of whom have read the legislation some

949

00:40:31,100 --> 00:40:28,230

of whom have read the National Audit and

950

00:40:32,990 --> 00:40:31,110

not quite well and saying ah but you

951
00:40:35,450 --> 00:40:33,000
know you guys are really awesome because

952
00:40:37,910 --> 00:40:35,460
you need to keep complaining and then we

953
00:40:40,850 --> 00:40:37,920
can do stuff about it and it's like no

954
00:40:43,340 --> 00:40:40,860
no no no no that's not how it works you

955
00:40:45,410 --> 00:40:43,350
should be proactive about this not and

956
00:40:47,000 --> 00:40:45,420
what does he expect us all to go harder

957
00:40:49,130 --> 00:40:47,010
that's okay then because we're all

958
00:40:50,390 --> 00:40:49,140
really good and we met cries I mean we

959
00:40:52,130 --> 00:40:50,400
have to talk to you thank you for doing

960
00:40:53,810 --> 00:40:52,140
my job boy yeah and we know where those

961
00:40:57,110 --> 00:40:53,820
complaints go into a dirty big black

962
00:40:59,570 --> 00:40:57,120
hole that we and we don't I mean this

963
00:41:02,720 --> 00:40:59,580

this is I just drives me insane but you

964

00:41:04,190 --> 00:41:02,730

know I blogged about this a couple of

965

00:41:07,580 --> 00:41:04,200

days ago where there was a Freedom of

966

00:41:11,180 --> 00:41:07,590

Information Act passed granted on a

967

00:41:12,800 --> 00:41:11,190

piece of data from the TGA which was

968

00:41:15,380 --> 00:41:12,810

basically a list of sponsors that had

969

00:41:17,240 --> 00:41:15,390

breached the legislation and somebody

970

00:41:19,160 --> 00:41:17,250

said look I need to know which ones have

971

00:41:22,160 --> 00:41:19,170

breached and why and they released this

972

00:41:26,000 --> 00:41:22,170

document and I swear to god it is it's

973

00:41:28,340 --> 00:41:26,010

beautiful it is like maybe you can put

974

00:41:30,230 --> 00:41:28,350

it on its blog right yeah it's all it's

975

00:41:33,320 --> 00:41:30,240

on my blog it's the current place the

976

00:41:36,410 --> 00:41:33,330

skeptics pooh pooh pooh yeah it's got

977

00:41:38,870 --> 00:41:36,420

the the name of that it says I RTG TGA

978

00:41:40,490 --> 00:41:38,880

and then it's got a fax mark at the

979

00:41:43,520 --> 00:41:40,500

bottom and the middle is a black

980

00:41:46,340 --> 00:41:43,530

rectangle that's the revised things

981

00:41:48,080 --> 00:41:46,350

being redacted filled in it's been

982

00:41:50,630 --> 00:41:48,090

redacted to the point where you can see

983

00:41:53,470 --> 00:41:50,640

the frame of the page yes yeah and

984

00:41:56,570 --> 00:41:53,480

that's their transparency it's just

985

00:41:59,060 --> 00:41:56,580

absolutely hopeless Joe your highlighter

986

00:42:01,640 --> 00:41:59,070

has been busy oh it's been so busy I

987

00:42:04,340 --> 00:42:01,650

know I had also fun with my highlighters

988

00:42:05,750 --> 00:42:04,350

I can tell from here only one color any

989

00:42:07,250 --> 00:42:05,760

one color though and I don't know I've

990

00:42:08,420 --> 00:42:07,260

got to really interesting stories too

991

00:42:09,420 --> 00:42:08,430

sweet so I'm just trying to decide which

992

00:42:11,670 --> 00:42:09,430

one

993

00:42:15,030 --> 00:42:11,680

well the most interesting are they both

994

00:42:18,150 --> 00:42:15,040

are they both are um how about I start

995

00:42:20,849 --> 00:42:18,160

with them with this one I'm you might

996

00:42:22,890 --> 00:42:20,859

have seen as some on twitter if you read

997

00:42:24,780 --> 00:42:22,900

the guide in if you follow george

998

00:42:26,370 --> 00:42:24,790

monbiot pronounce his name correctly

999

00:42:28,920 --> 00:42:26,380

he's a journalist who writes for The

1000

00:42:31,620 --> 00:42:28,930

Guardian and he wrote a really

1001

00:42:34,950 --> 00:42:31,630

interesting piece in The Guardian a

1002

00:42:38,400 --> 00:42:34,960

couple of days ago it's really really

1003

00:42:42,120 --> 00:42:38,410

worrying actually and a gentleman by the

1004

00:42:43,799 --> 00:42:42,130

name of dr. Christopher Busby who is a

1005

00:42:46,559 --> 00:42:43,809

visiting professor at the University of

1006

00:42:48,870 --> 00:42:46,569

Ulster and also is the former science

1007

00:42:53,190 --> 00:42:48,880

and technology spokesman for the Green

1008

00:42:55,650 --> 00:42:53,200

Party in the UK is it is basically

1009

00:42:58,520 --> 00:42:55,660

promoting anti radiation pills to people

1010

00:43:01,589 --> 00:42:58,530

in Japan who were affected by Fukushima

1011

00:43:05,819 --> 00:43:01,599

now what's what's particularly

1012

00:43:07,710 --> 00:43:05,829

concerning about all this is that um you

1013

00:43:09,900 --> 00:43:07,720

should really really recommend the two

1014

00:43:11,760 --> 00:43:09,910

that you read the two articles that he

1015

00:43:14,039 --> 00:43:11,770

wrote because some that they're just

1016

00:43:16,890 --> 00:43:14,049

it's really good journalism very very

1017

00:43:19,650 --> 00:43:16,900

interesting but he's selling a range of

1018

00:43:23,099 --> 00:43:19,660

mineral supplements urine tests and food

1019

00:43:27,740 --> 00:43:23,109

tests to the Japanese population all at

1020

00:43:31,730 --> 00:43:27,750

rather exorbitant prices so it must be

1021

00:43:34,440 --> 00:43:31,740

runs a company called busby laboratories

1022

00:43:35,970 --> 00:43:34,450

which are providing these tests and he's

1023

00:43:37,680 --> 00:43:35,980

promoting them through an organization

1024

00:43:41,010 --> 00:43:37,690

called the Christopher Busby foundation

1025

00:43:43,319 --> 00:43:41,020

for children of Fukushima and both of

1026

00:43:44,730 --> 00:43:43,329

the both the pills and the tests are

1027

00:43:47,430 --> 00:43:44,740

being sold through a website in

1028

00:43:53,130 --> 00:43:47,440

California called for you dash detox

1029

00:43:54,299 --> 00:43:53,140

calm now what's particularly uh about

1030

00:43:55,740 --> 00:43:54,309

this whole thing aside from the fact

1031

00:43:58,109 --> 00:43:55,750

that there is absolutely no evidence

1032

00:44:00,809 --> 00:43:58,119

what he's doing is that he's also making

1033

00:44:03,059 --> 00:44:00,819

some really really ugly claims about

1034

00:44:06,890 --> 00:44:03,069

what's going on in Japan but what's

1035

00:44:09,930 --> 00:44:06,900

being done by Japanese government he is

1036

00:44:12,089 --> 00:44:09,940

he is what he warns in these videos

1037

00:44:14,039 --> 00:44:12,099

which he's put online of a public health

1038

00:44:16,440 --> 00:44:14,049

catastrophe and Japan caused by the

1039

00:44:18,210 --> 00:44:16,450

Fukushima disaster and he claims that

1040

00:44:19,920 --> 00:44:18,220

radioactive cesium will destroy the

1041

00:44:20,920 --> 00:44:19,930

heart muscles of Japanese children which

1042

00:44:23,079 --> 00:44:20,930

there is absolutely

1043

00:44:24,910 --> 00:44:23,089

no evidence for just the heart muscles

1044

00:44:27,640 --> 00:44:24,920

because I see different muscles in Italy

1045

00:44:29,440 --> 00:44:27,650

he alleges that and I'm quoting directly

1046

00:44:32,049 --> 00:44:29,450

from the article here he alleges that

1047

00:44:33,430 --> 00:44:32,059

the jack that the sorry he alleges that

1048

00:44:35,500 --> 00:44:33,440

the Japanese government is tracking

1049

00:44:37,809 --> 00:44:35,510

radioactive material from the Fukushima

1050

00:44:39,849 --> 00:44:37,819

site all over Japan in order to increase

1051
00:44:41,349 --> 00:44:39,859
the cancer rate in the whole of Japan so

1052
00:44:43,990 --> 00:44:41,359
that there will be no control group of

1053
00:44:45,460 --> 00:44:44,000
children unaffected by the disaster in

1054
00:44:47,440 --> 00:44:45,470
order to help the Japanese government

1055
00:44:48,640 --> 00:44:47,450
prevent potential lawsuits from people

1056
00:44:50,589 --> 00:44:48,650
whose health may have been affected by

1057
00:44:56,920 --> 00:44:50,599
the village this is the part where we

1058
00:44:59,020 --> 00:44:56,930
move away from detox pills into was it

1059
00:45:03,549 --> 00:44:59,030
the lithium what do you what did you

1060
00:45:05,650 --> 00:45:03,559
people who are lithium yeah

1061
00:45:09,339 --> 00:45:05,660
antipsychotics yeah I me psychotics I

1062
00:45:12,700 --> 00:45:09,349
mean clearly this is really my job I

1063
00:45:14,410 --> 00:45:12,710

know um look this this guy's got along

1064

00:45:16,450 --> 00:45:14,420

the history of being associated with the

1065

00:45:18,190 --> 00:45:16,460

Green Party in the UK and in fact this

1066

00:45:20,890 --> 00:45:18,200

was the comment made by I'm George

1067

00:45:22,690 --> 00:45:20,900

Monbiot which is that the the claims of

1068

00:45:26,500 --> 00:45:22,700

this man are doing serious damage to the

1069

00:45:29,109 --> 00:45:26,510

Green Party by association apparently he

1070

00:45:30,579 --> 00:45:29,119

he had a history in the past of claiming

1071

00:45:33,059 --> 00:45:30,589

that there was a leukemia cluster

1072

00:45:35,440 --> 00:45:33,069

amongst children living in Wales

1073

00:45:37,210 --> 00:45:35,450

interestingly his and what he said here

1074

00:45:38,319 --> 00:45:37,220

is that his findings were self were self

1075

00:45:40,599 --> 00:45:38,329

published and released by the

1076
00:45:43,000 --> 00:45:40,609
environmental consultancy and research

1077
00:45:44,650 --> 00:45:43,010
organization that he runs so they've

1078
00:45:47,230 --> 00:45:44,660
never been subject to peer review and

1079
00:45:50,890 --> 00:45:47,240
that when his claims were scrutinized by

1080
00:45:54,490 --> 00:45:50,900
by scientists this is very interesting

1081
00:45:56,559 --> 00:45:54,500
here young his statistical mistakes were

1082
00:45:58,390 --> 00:45:56,569
so astonishing that he countered the

1083
00:46:01,480 --> 00:45:58,400
overall the kamir incidents for Wales

1084
00:46:03,250 --> 00:46:01,490
twice just mixed up the figures from

1085
00:46:05,470 --> 00:46:03,260
urban areas with those from small rural

1086
00:46:07,120 --> 00:46:05,480
areas claimed there were 10 cases of

1087
00:46:08,859 --> 00:46:07,130
leukemia and young children in this

1088
00:46:11,470 --> 00:46:08,869

particular area when in reality there

1089

00:46:13,089 --> 00:46:11,480

was just one case and and as he says

1090

00:46:14,890 --> 00:46:13,099

here worst of all they found clear

1091

00:46:16,599 --> 00:46:14,900

evidence of data dredging which renders

1092

00:46:20,200 --> 00:46:16,609

all subsequent statistical inference

1093

00:46:22,780 --> 00:46:20,210

spurious there's no luxury how would you

1094

00:46:24,400 --> 00:46:22,790

describe it agent rotated Reggie it's

1095

00:46:28,450 --> 00:46:24,410

like data my own which is like cherry

1096

00:46:32,320 --> 00:46:28,460

picking yeah okay yeah um and at

1097

00:46:34,240 --> 00:46:32,330

and and so I mean this man is just

1098

00:46:36,010 --> 00:46:34,250

making these claims but in addition to

1099

00:46:37,450 --> 00:46:36,020

that he's selling visa making sure

1100

00:46:40,930 --> 00:46:37,460

though she's basically making [h__\h] up

1101
00:46:42,970 --> 00:46:40,940
but he's charging people a phenomenal

1102
00:46:44,620 --> 00:46:42,980
amount of money he's charging thousands

1103
00:46:46,480 --> 00:46:44,630
and thousands of dollars for these tests

1104
00:46:48,849 --> 00:46:46,490
I mean he's charging like four urines

1105
00:46:50,890 --> 00:46:48,859
your stories oh so many times before

1106
00:46:52,810 --> 00:46:50,900
it's just another I mean it's just one

1107
00:46:54,790 --> 00:46:52,820
on me and you know what the you know

1108
00:46:56,980 --> 00:46:54,800
what the amazing thing is that we hear

1109
00:47:00,190 --> 00:46:56,990
this story time in the game and did you

1110
00:47:04,089 --> 00:47:00,200
notice how often it happens this is when

1111
00:47:06,130 --> 00:47:04,099
when he did some terrible tragedy yeah

1112
00:47:09,250 --> 00:47:06,140
and these people are preying on human

1113
00:47:11,339 --> 00:47:09,260

misery yeah it's just absolutely hauling

1114

00:47:14,770 --> 00:47:11,349

what but what I found particularly

1115

00:47:16,210 --> 00:47:14,780

important easier what I found

1116

00:47:19,690 --> 00:47:16,220

particularly important but about what

1117

00:47:21,460 --> 00:47:19,700

was being said was that he touches on

1118

00:47:23,260 --> 00:47:21,470

the fact that the young the green

1119

00:47:26,260 --> 00:47:23,270

movement needs to really distance

1120

00:47:27,220 --> 00:47:26,270

themselves from people like this and I

1121

00:47:30,579 --> 00:47:27,230

mean you know we've looked at things

1122

00:47:32,710 --> 00:47:30,589

like the issues of GM food and you know

1123

00:47:33,970 --> 00:47:32,720

I think you know a lot of people really

1124

00:47:35,740 --> 00:47:33,980

want to be able to support the

1125

00:47:37,270 --> 00:47:35,750

environmental movement in terms of

1126
00:47:41,490 --> 00:47:37,280
dealing with climate change and so on

1127
00:47:43,630 --> 00:47:41,500
but when we see the sort of the

1128
00:47:46,510 --> 00:47:43,640
environmental side supporting really

1129
00:47:49,270 --> 00:47:46,520
anti science stop I was no accident very

1130
00:47:51,910 --> 00:47:49,280
very hard to get on board and and I

1131
00:47:53,740 --> 00:47:51,920
really really applaud this article they

1132
00:47:56,170 --> 00:47:53,750
don't worry birth canal this is on the

1133
00:47:58,510 --> 00:47:56,180
Guardian website there's two articles to

1134
00:48:01,720 --> 00:47:58,520
articles by George Monbiot enum and he

1135
00:48:02,920 --> 00:48:01,730
said he's on Twitter definitely

1136
00:48:04,960 --> 00:48:02,930
definitely worth a lot what is your

1137
00:48:07,300 --> 00:48:04,970
other highlighted marketing so my other

1138
00:48:09,280 --> 00:48:07,310

highlighted masterpiece okay silver

1139

00:48:12,010 --> 00:48:09,290

before you go hello ms okay if you want

1140

00:48:14,550 --> 00:48:12,020

to hear Joe squee all right I'm just

1141

00:48:17,220 --> 00:48:14,560

gonna move over

1142

00:48:20,500 --> 00:48:17,230

folks let me just explain what happened

1143

00:48:25,200 --> 00:48:20,510

from behind his back Iran produced a

1144

00:48:28,240 --> 00:48:25,210

whole big container of of sharpie

1145

00:48:30,610 --> 00:48:28,250

highlighters and all differences sharpie

1146

00:48:33,940 --> 00:48:30,620

holla yes yeah I'm taking the microphone

1147

00:48:36,010 --> 00:48:33,950

far away because Joe is over excited she

1148

00:48:37,840 --> 00:48:36,020

is now holding up the container of a

1149

00:48:40,780 --> 00:48:37,850

sharpie highlighters there must be like

1150

00:48:43,870 --> 00:48:40,790

20 their greens and blues and yellows

1151
00:48:49,030 --> 00:48:43,880
and reds and rachel is about to take a

1152
00:48:53,140 --> 00:48:49,040
picture of her now I expect the

1153
00:48:54,670 --> 00:48:53,150
listeners who on tweet Twitter a few

1154
00:48:57,360 --> 00:48:54,680
days ago would have seen the picture

1155
00:49:04,360 --> 00:48:57,370
which Rachel's just about to take now

1156
00:49:07,300 --> 00:49:04,370
and there we go now yes please tweet it

1157
00:49:11,500 --> 00:49:07,310
now so I listeners case this is all time

1158
00:49:13,720 --> 00:49:11,510
distortion Joe so right back to more

1159
00:49:16,900 --> 00:49:13,730
interesting stuff so the only thing I to

1160
00:49:18,880 --> 00:49:16,910
talk about with some anyone who if you

1161
00:49:23,050 --> 00:49:18,890
listen to the I think it was the science

1162
00:49:24,730 --> 00:49:23,060
on top podcast from the weeks ago I was

1163
00:49:27,400 --> 00:49:24,740

on there couple of wesco talking about

1164

00:49:28,960 --> 00:49:27,410

BPA or bisphenol which people have

1165

00:49:30,730 --> 00:49:28,970

probably heard mentioned in the media

1166

00:49:34,000 --> 00:49:30,740

and I'm absolutely fascinated by this

1167

00:49:37,960 --> 00:49:34,010

topic because i think it's just just

1168

00:49:40,660 --> 00:49:37,970

such an astounding example of poor poor

1169

00:49:44,500 --> 00:49:40,670

science reporting and absolute media

1170

00:49:46,720 --> 00:49:44,510

fail on the the particular

1171

00:49:49,540 --> 00:49:46,730

a study that we talked about a few weeks

1172

00:49:53,400 --> 00:49:49,550

ago on science on top was a fantastic

1173

00:49:55,480 --> 00:49:53,410

study which came out which has been

1174

00:49:59,170 --> 00:49:55,490

which was really seen as being an

1175

00:50:02,100 --> 00:49:59,180

absolutely you know almost well almost

1176

00:50:05,560 --> 00:50:02,110

flawless piece of signs which

1177

00:50:07,660 --> 00:50:05,570

demonstrated the safety of BPA now if

1178

00:50:09,010 --> 00:50:07,670

you've been following this all in the

1179

00:50:11,620 --> 00:50:09,020

media you'd know that there's a lot of

1180

00:50:13,870 --> 00:50:11,630

concern about this phenol it's a it's a

1181

00:50:17,800 --> 00:50:13,880

chemical that's found in the lining of

1182

00:50:20,440 --> 00:50:17,810

cans and a lot of plastic water bottles

1183

00:50:21,670 --> 00:50:20,450

and all sorts of things and for a quite

1184

00:50:23,890 --> 00:50:21,680

a number of years now there's been a lot

1185

00:50:26,320 --> 00:50:23,900

of concern over where the BPA is toxic

1186

00:50:30,460 --> 00:50:26,330

to humans a particular concern is that

1187

00:50:32,830 --> 00:50:30,470

it's it has hormone effects like

1188

00:50:34,990 --> 00:50:32,840

estrogen and that there's the potential

1189

00:50:37,750 --> 00:50:35,000

for it to cause cancer and other health

1190

00:50:39,070 --> 00:50:37,760

problems so there's been a huge number

1191

00:50:41,170 --> 00:50:39,080

of studies over the last few years and

1192

00:50:44,320 --> 00:50:41,180

it's it's really quite an interesting

1193

00:50:45,580 --> 00:50:44,330

scientific controversy what's particular

1194

00:50:46,930 --> 00:50:45,590

interesting is that depending on which

1195

00:50:49,270 --> 00:50:46,940

part of the world you're in that either

1196

00:50:51,610 --> 00:50:49,280

is or isn't the controversy so if you go

1197

00:50:53,710 --> 00:50:51,620

over to the US or Canada there's a

1198

00:50:57,100 --> 00:50:53,720

really really strong push to ban BPA

1199

00:50:59,320 --> 00:50:57,110

whereas if you go over to the EU there

1200

00:51:01,060 --> 00:50:59,330

is a feeling that the science has

1201
00:51:03,100 --> 00:51:01,070
absolutely almost you know conclusively

1202
00:51:06,130 --> 00:51:03,110
shown that BPA is safe and there's

1203
00:51:08,890 --> 00:51:06,140
nothing to worry about so what um what

1204
00:51:12,640 --> 00:51:08,900
got me all jumping up and down today was

1205
00:51:15,720 --> 00:51:12,650
studies just come out in the journal of

1206
00:51:20,770 --> 00:51:15,730
the american association or jammer which

1207
00:51:23,320 --> 00:51:20,780
looked at the levels of BPA in in

1208
00:51:26,380 --> 00:51:23,330
people's urine after eating soup canned

1209
00:51:28,300 --> 00:51:26,390
soup all right and all of the news

1210
00:51:30,400 --> 00:51:28,310
there's a whole lot of hysteria because

1211
00:51:32,200 --> 00:51:30,410
what they've said is the urine of people

1212
00:51:34,570 --> 00:51:32,210
who consume canned soup can contain

1213
00:51:36,130 --> 00:51:34,580

surprisingly high levels of BPA or

1214

00:51:37,450 --> 00:51:36,140

hormone-disrupting compound linked to

1215

00:51:39,550 --> 00:51:37,460

health problems including heart disease

1216

00:51:41,760 --> 00:51:39,560

diabetes and obesity so it's a

1217

00:51:44,860 --> 00:51:41,770

conclusion right at the start yes so

1218

00:51:48,610 --> 00:51:44,870

panic panic panic is high levels of BPA

1219

00:51:50,590 --> 00:51:48,620

in urine and the conclusion is therefore

1220

00:51:52,660 --> 00:51:50,600

beef we know BPA's toxic in this high

1221

00:51:54,680 --> 00:51:52,670

level year and so run for the hills that

1222

00:51:56,599 --> 00:51:54,690

and by the way I must think

1223

00:51:59,480 --> 00:51:56,609

ed brown from science on top of pointing

1224

00:52:01,339 --> 00:51:59,490

this out to me today drew the problem

1225

00:52:04,010 --> 00:52:01,349

with this is that they're really really

1226
00:52:07,670 --> 00:52:04,020
good research into BPA the the the this

1227
00:52:10,940 --> 00:52:07,680
the method logically sound science has

1228
00:52:13,609 --> 00:52:10,950
shown that BPA is rapidly excreted from

1229
00:52:16,010 --> 00:52:13,619
the body and metabolized and extend

1230
00:52:17,809 --> 00:52:16,020
excreted very very quickly and that it's

1231
00:52:20,240 --> 00:52:17,819
not surprising that you see high levels

1232
00:52:23,420 --> 00:52:20,250
of BPA in the urine after people consume

1233
00:52:26,540 --> 00:52:23,430
it because it could reiterated its going

1234
00:52:28,730 --> 00:52:26,550
away and there was a fantastic study by

1235
00:52:31,670 --> 00:52:28,740
a tea Gordon which was published in the

1236
00:52:35,000 --> 00:52:31,680
Journal of toxicological Sciences about

1237
00:52:38,120 --> 00:52:35,010
six months ago and and it was it really

1238
00:52:40,760 --> 00:52:38,130

conclusively showed that you know BPA

1239

00:52:44,300 --> 00:52:40,770

does not stick around at the body long

1240

00:52:46,819 --> 00:52:44,310

enough to cause problems it's unlikely

1241

00:52:49,550 --> 00:52:46,829

to be found at high levels in human

1242

00:52:51,319 --> 00:52:49,560

tissues and therefore it's not something

1243

00:52:52,609 --> 00:52:51,329

to worry about and they've been a number

1244

00:52:55,670 --> 00:52:52,619

of really really good studies that are

1245

00:52:59,210 --> 00:52:55,680

showing this that aside if you go online

1246

00:53:01,670 --> 00:52:59,220

you will find not a beep about the good

1247

00:53:04,609 --> 00:53:01,680

studies what you will find is a lot of

1248

00:53:07,970 --> 00:53:04,619

media hysteria about studies which are

1249

00:53:11,359 --> 00:53:07,980

pretty poorly conducted not well

1250

00:53:15,559 --> 00:53:11,369

controlled really not actually telling

1251
00:53:19,540 --> 00:53:15,569
us anything of value except creating

1252
00:53:22,700 --> 00:53:19,550
fear so it could be a storm in a soup in

1253
00:53:24,800 --> 00:53:22,710
absolutely so um you know this is

1254
00:53:26,569 --> 00:53:24,810
getting a lot of attention online at the

1255
00:53:28,250 --> 00:53:26,579
moment and I just think it's really

1256
00:53:30,589 --> 00:53:28,260
worth keeping an eye on it because that

1257
00:53:32,809 --> 00:53:30,599
the thing is that there's measures being

1258
00:53:36,319 --> 00:53:32,819
taken by a lot of governments to ban BPA

1259
00:53:37,609 --> 00:53:36,329
stay and as I mentioned previously you

1260
00:53:40,700 --> 00:53:37,619
know Steve novella blogged about this a

1261
00:53:43,250 --> 00:53:40,710
couple of years ago they you know at the

1262
00:53:44,720 --> 00:53:43,260
time there was more to talk about here

1263
00:53:46,670 --> 00:53:44,730

it was a controversy that was worth

1264

00:53:48,980 --> 00:53:46,680

looking at really now the science seems

1265

00:53:50,450 --> 00:53:48,990

to be you know quite settled there is

1266

00:53:52,880 --> 00:53:50,460

nothing to be worried about but still

1267

00:53:54,740 --> 00:53:52,890

you know what we're looking at banning a

1268

00:53:57,170 --> 00:53:54,750

substance unnecessarily we're creating

1269

00:54:00,529 --> 00:53:57,180

fear particularly among amongst parents

1270

00:54:04,519 --> 00:54:00,539

and worried about the kids being exposed

1271

00:54:06,949 --> 00:54:04,529

and I think it's uh yeah well your

1272

00:54:10,009 --> 00:54:06,959

highlighter has been used to very good

1273

00:54:12,199 --> 00:54:10,019

use their effect and well I think we'll

1274

00:54:14,989 --> 00:54:12,209

wrap up this a thing then pretty soon

1275

00:54:17,569 --> 00:54:14,999

but let's switch over to Ron for a

1276

00:54:19,219 --> 00:54:17,579

second because at the top of the thing

1277

00:54:20,839 --> 00:54:19,229

think we did mention our convention

1278

00:54:22,969 --> 00:54:20,849

which was a great success and we of

1279

00:54:25,370 --> 00:54:22,979

course as we do every year now

1280

00:54:28,849 --> 00:54:25,380

convention we give out awards cheers and

1281

00:54:31,219 --> 00:54:28,859

jeers they might say yes so the the

1282

00:54:34,929 --> 00:54:31,229

first award we gave the bent spoon award

1283

00:54:38,150 --> 00:54:34,939

which we awarded to Melbourne University

1284

00:54:41,120 --> 00:54:38,160

RMIT and the reason we gave them that

1285

00:54:42,769 --> 00:54:41,130

award which is an annual award we always

1286

00:54:43,939 --> 00:54:42,779

have a problem with the with that award

1287

00:54:46,429 --> 00:54:43,949

because there's always so many good

1288

00:54:49,400 --> 00:54:46,439

candidates unfortunately was because

1289

00:54:51,319 --> 00:54:49,410

they have a fundamentalist chiropractic

1290

00:54:54,620 --> 00:54:51,329

education program and again I hesitate

1291

00:54:56,870 --> 00:54:54,630

to say education in this context but I

1292

00:54:58,400 --> 00:54:56,880

think that's what they call it and not

1293

00:55:01,130 --> 00:54:58,410

only do they support fundamentalist

1294

00:55:04,729 --> 00:55:01,140

chiropractors they also have an

1295

00:55:07,370 --> 00:55:04,739

on-campus pediatric chiropractic clinic

1296

00:55:09,529 --> 00:55:07,380

so I think the well deserving of the

1297

00:55:11,419 --> 00:55:09,539

bent spoon award so in addition to the

1298

00:55:12,739 --> 00:55:11,429

bench man award we also mentioned we

1299

00:55:14,479 --> 00:55:12,749

gave a dishonorable mention to

1300

00:55:16,909 --> 00:55:14,489

Blackmore's into the pharmacy Guild of

1301

00:55:19,159 --> 00:55:16,919

Australia for the the deal that they

1302

00:55:21,649 --> 00:55:19,169

concocted to try to sell unproven

1303

00:55:25,429 --> 00:55:21,659

medication or well I'm not so medication

1304

00:55:28,640 --> 00:55:25,439

and unproven stuff sure to people who

1305

00:55:31,399 --> 00:55:28,650

come to pharmacies to buy specific real

1306

00:55:33,829 --> 00:55:31,409

real real you know proven proven from a

1307

00:55:35,509 --> 00:55:33,839

suitor goals yeah and but with the

1308

00:55:37,819 --> 00:55:35,519

reason we didn't give it to them and

1309

00:55:42,339 --> 00:55:37,829

eventually was because it caused them so

1310

00:55:45,769 --> 00:55:42,349

much harm that we we thought of actually

1311

00:55:47,120 --> 00:55:45,779

given him you know positive mention for

1312

00:55:49,759 --> 00:55:47,130

causing so much harm to that kind of

1313

00:55:51,469 --> 00:55:49,769

education we said we were we were

1314

00:55:54,649 --> 00:55:51,479

jokingly saying that we will give them

1315

00:55:57,979 --> 00:55:54,659

give Christine holgate the Blackmore CEO

1316

00:56:00,499 --> 00:55:57,989

the the if there was it the coke and

1317

00:56:03,649 --> 00:56:00,509

fries award coca because she said that

1318

00:56:06,739 --> 00:56:03,659

this is these these additives are like

1319

00:56:08,120 --> 00:56:06,749

the coke and fries of pharmacies so that

1320

00:56:10,249 --> 00:56:08,130

that didn't go down very well with the

1321

00:56:13,009 --> 00:56:10,259

public and they was it was very good so

1322

00:56:13,770 --> 00:56:13,019

that that's the bent spoon award we then

1323

00:56:17,790 --> 00:56:13,780

awarded

1324

00:56:20,000 --> 00:56:17,800

several nice nice ones the first one was

1325

00:56:22,980 --> 00:56:20,010

we gave special recognition to

1326

00:56:27,000 --> 00:56:22,990

journalists TV journalist Frank bungalow

1327

00:56:29,730 --> 00:56:27,010

who's you rage and Richard you know very

1328

00:56:32,220 --> 00:56:29,740

well you've worked with him he's a TV

1329

00:56:34,020 --> 00:56:32,230

journalist with Channel Seven's today

1330

00:56:36,600 --> 00:56:34,030

tonight in Adelaide we don't usually see

1331

00:56:38,760 --> 00:56:36,610

very good scientific stuff from from

1332

00:56:40,770 --> 00:56:38,770

today tonight but Frank has done several

1333

00:56:43,350 --> 00:56:40,780

the Adelaide they're a different group

1334

00:56:45,180 --> 00:56:43,360

from the Sydney group yes nevertheless

1335

00:56:47,490 --> 00:56:45,190

oh yeah he's still good you know it's

1336

00:56:49,140 --> 00:56:47,500

still today tonight is generally however

1337

00:56:52,560 --> 00:56:49,150

he put it it's tabloid television and

1338

00:56:54,900 --> 00:56:52,570

you don't expect accuracy in science but

1339

00:56:56,580 --> 00:56:54,910

Frank has done good work fantastic work

1340

00:57:00,330 --> 00:56:56,590

and he's done several really good

1341

00:57:02,630 --> 00:57:00,340

stories and any continues to follow up

1342

00:57:04,890 --> 00:57:02,640

what we do in The Skeptical movement and

1343

00:57:06,240 --> 00:57:04,900

and there's mine absolutely there's more

1344

00:57:09,150 --> 00:57:06,250

to comment that something I mentioned

1345

00:57:10,680 --> 00:57:09,160

when I when I gave him the award so he

1346

00:57:12,360 --> 00:57:10,690

wasn't there unfortunately but we will

1347

00:57:15,840 --> 00:57:12,370

send him the the certificate of

1348

00:57:18,630 --> 00:57:15,850

appreciation then skeptic of the year

1349

00:57:20,850 --> 00:57:18,640

was awarded to Loretta Marin who was

1350

00:57:22,680 --> 00:57:20,860

already been awarded generally the jelly

1351

00:57:24,810 --> 00:57:22,690

bean lady she's already been awarded in

1352

00:57:27,120 --> 00:57:24,820

the past in 2007 but the thing is

1353

00:57:28,560 --> 00:57:27,130

Loretta could easily win every year we

1354

00:57:31,590 --> 00:57:28,570

just give it to others from time to time

1355

00:57:34,760 --> 00:57:31,600

because it's not fair see she's so

1356

00:57:38,150 --> 00:57:34,770

active and she's just so brilliant and

1357

00:57:40,410 --> 00:57:38,160

specifically this was for her word

1358

00:57:42,330 --> 00:57:40,420

against chiropractors this year and

1359

00:57:44,340 --> 00:57:42,340

especially against fundamentalist

1360

00:57:45,750 --> 00:57:44,350

chiropractors then again mentioned them

1361

00:57:48,420 --> 00:57:45,760

they're the ones who still believe in

1362

00:57:50,190 --> 00:57:48,430

the vertebral subluxation complex as the

1363

00:57:51,630 --> 00:57:50,200

cause of some of them believe its most

1364

00:57:54,450 --> 00:57:51,640

disease and others believe it's all

1365

00:57:56,430 --> 00:57:54,460

disease but whatever it is it's it's a

1366

00:57:59,400 --> 00:57:56,440

mythical it's a mythical syndrome i mean

1367

00:58:01,100 --> 00:57:59,410

this mythical symptom or in digital

1368

00:58:03,300 --> 00:58:01,110

condition or whatever you can call it

1369

00:58:05,880 --> 00:58:03,310

because its mythical it's difficult to

1370

00:58:07,200 --> 00:58:05,890

define but some people still believe in

1371

00:58:08,670 --> 00:58:07,210

and they're they're quite prominent

1372

00:58:11,550 --> 00:58:08,680

within the chiropractic movement and

1373

00:58:15,300 --> 00:58:11,560

she's really taking them to task and and

1374

00:58:17,850 --> 00:58:15,310

will continue to do so i'm sure we also

1375

00:58:19,500 --> 00:58:17,860

have the full net award for the

1376

00:58:23,749 --> 00:58:19,510

promotion of Reason which we call the

1377

00:58:27,799 --> 00:58:23,759

Fred and that was that's for the the

1378

00:58:29,719 --> 00:58:27,809

the way we describe it is that it's

1379

00:58:31,459 --> 00:58:29,729

awarded to acknowledge as a member of

1380

00:58:33,649 --> 00:58:31,469

the public or a public figure was made a

1381

00:58:35,389 --> 00:58:33,659

significant contribution to educating or

1382

00:58:38,120 --> 00:58:35,399

informing the public regarding issues of

1383

00:58:39,829 --> 00:58:38,130

science and reason and in addition to a

1384

00:58:41,749 --> 00:58:39,839

certificate we also give a thousand

1385

00:58:44,989 --> 00:58:41,759

dollars to the person when's this and

1386

00:58:48,199 --> 00:58:44,999

this year's winner was hands down ken

1387

00:58:50,509 --> 00:58:48,209

harvey dr. ken harvey our friend for his

1388

00:58:52,459 --> 00:58:50,519

work against census thing but but really

1389

00:58:55,489 --> 00:58:52,469

you know it's it's sort of a an

1390

00:59:00,979 --> 00:58:55,499

accumulation of his work of many years

1391

00:59:03,289 --> 00:59:00,989

of taking quacks to to task and and also

1392

00:59:06,019 --> 00:59:03,299

in being a thorn in the side of the the

1393

00:59:07,489 --> 00:59:06,029

TGA in particular they people see they

1394

00:59:09,319 --> 00:59:07,499

think it was the we were what we were

1395

00:59:12,379 --> 00:59:09,329

giving the awards just before the panel

1396

00:59:13,519 --> 00:59:12,389

and i said i said DNA he's been a thorn

1397

00:59:15,139 --> 00:59:13,529

in their side and i'm sure he will

1398

00:59:17,719 --> 00:59:15,149

continue be a thorn in his side in about

1399

00:59:20,870 --> 00:59:17,729

seven more minutes so so that was very

1400

00:59:24,589 --> 00:59:20,880

good and then we surprised Barry

1401
00:59:26,089 --> 00:59:24,599
Williams I called him on on the stage he

1402
00:59:28,609 --> 00:59:26,099
didn't know anything was coming he

1403
00:59:30,829 --> 00:59:28,619
wasn't even going to attendance and of

1404
00:59:32,839 --> 00:59:30,839
course Barry's been behind the

1405
00:59:34,519 --> 00:59:32,849
Australian skeptics and Australia the

1406
00:59:36,319 --> 00:59:34,529
skeptical movement in Australia for for

1407
00:59:39,199 --> 00:59:36,329
the past basically for the portly entire

1408
00:59:43,999 --> 00:59:39,209
yetis did duration this is very early

1409
00:59:46,099 --> 00:59:44,009
eighties yes and uh and he and he is you

1410
00:59:47,659 --> 00:59:46,109
know he's been a very important person

1411
00:59:49,909 --> 00:59:47,669
in skeptical movement in Australia and

1412
00:59:51,139 --> 00:59:49,919
he was going to miss this convention for

1413
00:59:54,439 --> 00:59:51,149

the first time after attending every

1414

00:59:55,819 --> 00:59:54,449

single one of the first 26 so I asked

1415

00:59:57,799 --> 00:59:55,829

him to say a few words about the bench

1416

00:59:59,509 --> 00:59:57,809

spoon award so he thought he was going

1417

01:00:01,819 --> 00:59:59,519

to say if you were to buy the bed spin

1418

01:00:02,959 --> 01:00:01,829

award and I said no we actually don't

1419

01:00:04,669 --> 01:00:02,969

want to hear what you have to say about

1420

01:00:06,919 --> 01:00:04,679

Vince pin award he was kind of shocked

1421

01:00:09,649 --> 01:00:06,929

see a different thing and we gave him a

1422

01:00:11,269 --> 01:00:09,659

Life Achievement Award and because he's

1423

01:00:14,059 --> 01:00:11,279

a in addition to the certificate because

1424

01:00:16,099 --> 01:00:14,069

he's a is a cricket fanatic i think is

1425

01:00:20,149 --> 01:00:16,109

he good way of saying is we gave him a

1426

01:00:22,129 --> 01:00:20,159

replica ashes urn with the words to bury

1427

01:00:24,379 --> 01:00:22,139

for to Barry Williams for a lifetime of

1428

01:00:26,120 --> 01:00:24,389

skepticism and he was really touched by

1429

01:00:28,249 --> 01:00:26,130

anyone was really nice lovely little

1430

01:00:31,249 --> 01:00:28,259

little gesture I thought yes he was he

1431

01:00:33,379 --> 01:00:31,259

was was absolutely always a highlight of

1432

01:00:35,470 --> 01:00:33,389

the convention the awards every year

1433

01:00:37,390 --> 01:00:35,480

always wait can't wait

1434

01:00:40,000 --> 01:00:37,400

who wins the bent spoon always great fun

1435

01:00:42,490 --> 01:00:40,010

it's been great fun to have a think tank

1436

01:00:44,740 --> 01:00:42,500

away from our favorite Club no bus

1437

01:00:46,440 --> 01:00:44,750

announcements you might have wanted to

1438

01:00:49,480 --> 01:00:46,450

make a bus and that's now it's all right

1439

01:00:51,540 --> 01:00:49,490

listeners can imagine a bus announcement

1440

01:00:54,910 --> 01:00:51,550

but I'm sure the next thing tank will be

1441

01:00:57,370 --> 01:00:54,920

back at some busy noisy club with bus

1442

01:01:00,550 --> 01:00:57,380

announcements or some such thing dr.

1443

01:01:02,050 --> 01:01:00,560

Reggie you better get home and jump back

1444

01:01:04,630 --> 01:01:02,060

into bed with your chicken soup and

1445

01:01:06,760 --> 01:01:04,640

measles yeah i just also want to add

1446

01:01:08,740 --> 01:01:06,770

that I think Lawrence lean did a great

1447

01:01:11,380 --> 01:01:08,750

job at the convention child oh yeah big

1448

01:01:13,810 --> 01:01:11,390

shout out to him here I like yeah he did

1449

01:01:16,420 --> 01:01:13,820

he did the the dinner talk it was fat

1450

01:01:18,099 --> 01:01:16,430

yeah quite a few people came people

1451

01:01:19,330 --> 01:01:18,109

obviously not everybody attended the

1452

01:01:20,740 --> 01:01:19,340

dinner not everybody attended the

1453

01:01:23,080 --> 01:01:20,750

conference it didn't attended the dinner

1454

01:01:26,320 --> 01:01:23,090

but the water but they were close to a

1455

01:01:28,270 --> 01:01:26,330

hundred people at the dinner and and I

1456

01:01:31,150 --> 01:01:28,280

think everyone said this was their

1457

01:01:33,790 --> 01:01:31,160

favorite part of the day and he was he

1458

01:01:35,740 --> 01:01:33,800

was quick fun Joe thank you very much

1459

01:01:37,540 --> 01:01:35,750

thank you Richard I have fun with your

1460

01:01:39,280 --> 01:01:37,550

highlighter yes my highlighters are

1461

01:01:41,530 --> 01:01:39,290

wonderful I'll take them on the plane

1462

01:01:45,190 --> 01:01:41,540

with me I've already tweeted I'm off to

1463

01:01:46,690 --> 01:01:45,200

find Wu in Peru whoo in Peru and Iran

1464

01:01:48,970 --> 01:01:46,700

thank you for having us in your land

1465

01:01:51,550 --> 01:01:48,980

room you must welcome we have no glasses

1466

01:02:20,380 --> 01:01:51,560

to cling but until our next think tank

1467

01:02:25,579 --> 01:02:23,390

thank you for listening to the skeptic

1468

01:02:29,599 --> 01:02:25,589

zone and thank you to all those people

1469

01:02:32,480 --> 01:02:29,609

who've been far too kind congratulating

1470

01:02:33,890 --> 01:02:32,490

me personally for the the state of power

1471

01:02:37,579 --> 01:02:33,900

balance in the United States because

1472

01:02:39,710 --> 01:02:37,589

they've gone into bankruptcy it's very

1473

01:02:42,650 --> 01:02:39,720

kind of you i only did a little little

1474

01:02:45,559 --> 01:02:42,660

bit a little part in exposing the scam

1475

01:02:48,289 --> 01:02:45,569

that is power balance but i will see

1476

01:02:51,109 --> 01:02:48,299

what's happening but it's occasionally

1477

01:02:53,990 --> 01:02:51,119

it's good to see some some success it

1478

01:02:56,950 --> 01:02:54,000

really is and I'm not wearing my power

1479

01:03:00,319 --> 01:02:56,960

balance i'm wearing my placebo band ho

1480

01:03:03,799 --> 01:03:00,329

don't forget pasiba ban the real thing

1481

01:03:07,549 --> 01:03:03,809

or the real fake thing the real thing

1482

01:03:09,799 --> 01:03:07,559

thing anyway you know what i mean well

1483

01:03:11,990 --> 01:03:09,809

after that interesting show I need to

1484

01:03:13,849 --> 01:03:12,000

lie down for at least a week at least

1485

01:03:16,480 --> 01:03:13,859

week and then I'll get up again and I'll

1486

01:03:21,109 --> 01:03:16,490

try to produce another skipping zone

1487

01:03:23,690 --> 01:03:21,119

which will be 162 until then this is

1488

01:03:29,000 --> 01:03:23,700

Richard Saunders signing off from Sydney

1489

01:03:33,289 --> 01:03:29,010

Australia you've been listening to the

1490

01:03:36,530 --> 01:03:33,299

skeptic zone visit our website at wwc a

1491

01:03:40,539 --> 01:03:36,540

petting zoo TV for comments contacts and

1492

01:03:40,549 --> 01:03:45,540

skin