

**The Skeptic Zone**  
**Show 297 - 29 June 2014**



**Dr Brad McKay**

1  
00:00:23,590 --> 00:00:09,190  
welcome to the skeptic zone the podcast

2  
00:00:28,310 --> 00:00:25,670  
hello and welcome to the skeptic zone

3  
00:00:31,750 --> 00:00:28,320  
episode number 297

4  
00:00:34,709 --> 00:00:31,760  
for the 29th of june 2014. richard

5  
00:00:35,670 --> 00:00:34,719  
saunders here from sydney australia very

6  
00:00:38,150 --> 00:00:35,680  
chilly

7  
00:00:39,590 --> 00:00:38,160  
but pleasant sydney australia at the

8  
00:00:42,310 --> 00:00:39,600  
moment

9  
00:00:44,470 --> 00:00:42,320  
now before we even begin

10  
00:00:46,630 --> 00:00:44,480  
to get stuck into this show and find out

11  
00:00:47,990 --> 00:00:46,640  
what's coming up a major announcement

12  
00:00:50,549 --> 00:00:48,000  
regarding the australian skeptics

13  
00:00:52,470 --> 00:00:50,559

national convention in november

14

00:00:56,470 --> 00:00:52,480

and i quote from the website of

15

00:01:01,670 --> 00:00:59,110

we have major news after a great deal of

16

00:01:04,630 --> 00:01:01,680

negotiations we are very excited to

17

00:01:06,710 --> 00:01:04,640

announce a ticket price reduction for

18

00:01:09,190 --> 00:01:06,720

the 30th australian skeptics national

19

00:01:11,510 --> 00:01:09,200

convention the new standard ticket price

20

00:01:13,510 --> 00:01:11,520

for the whole convention is only two

21

00:01:16,230 --> 00:01:13,520

hundred and sixty dollars previously it

22

00:01:18,710 --> 00:01:16,240

was three hundred and twenty effective

23

00:01:20,469 --> 00:01:18,720

immediately since we began planning this

24

00:01:22,230 --> 00:01:20,479

convention trying to reduce the ticket

25

00:01:24,550 --> 00:01:22,240

price has been a high priority on our

26  
00:01:26,950 --> 00:01:24,560  
list convention attendance costs can be

27  
00:01:28,710 --> 00:01:26,960  
prohibitive and we wanted to make sure

28  
00:01:30,950 --> 00:01:28,720  
that as many people as possible from

29  
00:01:33,670 --> 00:01:30,960  
both australia and overseas would be

30  
00:01:35,670 --> 00:01:33,680  
able to attend now after finalizing the

31  
00:01:38,069 --> 00:01:35,680  
last price adjustments and overall

32  
00:01:39,910 --> 00:01:38,079  
budget we're extremely pleased that we

33  
00:01:41,429 --> 00:01:39,920  
can offer the same event with the same

34  
00:01:42,630 --> 00:01:41,439  
wonderful speakers

35  
00:01:44,469 --> 00:01:42,640  
for less

36  
00:01:46,710 --> 00:01:44,479  
what has changed i hear you ask over the

37  
00:01:48,710 --> 00:01:46,720  
internet what has changed

38  
00:01:51,429 --> 00:01:48,720

i did hear you ask the only change

39

00:01:53,429 --> 00:01:51,439

directly impacting the attendees is that

40

00:01:55,510 --> 00:01:53,439

we won't be offering a catered lunch

41

00:01:57,510 --> 00:01:55,520

this year this is because the convention

42

00:01:59,910 --> 00:01:57,520

venue is located in the middle of one of

43

00:02:02,469 --> 00:01:59,920

sydney's busiest shopping and business

44

00:02:04,550 --> 00:02:02,479

centers which is bustling with

45

00:02:06,950 --> 00:02:04,560

restaurants cafes takeaways

46

00:02:08,389 --> 00:02:06,960

you name it frozen yogurt all sorts of

47

00:02:10,630 --> 00:02:08,399

things you won't have to walk more than

48

00:02:13,190 --> 00:02:10,640

a couple of minutes to find something

49

00:02:15,910 --> 00:02:13,200

for your fancy however good news you

50

00:02:18,229 --> 00:02:15,920

won't go thirsty we will be serving tea

51  
00:02:20,790 --> 00:02:18,239  
and coffee throughout both days of the

52  
00:02:23,589 --> 00:02:20,800  
convention and even better news yes we

53  
00:02:25,270 --> 00:02:23,599  
are doing concession tickets

54  
00:02:27,830 --> 00:02:25,280  
we are pleased to finally announce a

55  
00:02:30,070 --> 00:02:27,840  
limited number of concession tickets for

56  
00:02:33,509 --> 00:02:30,080  
pensioners and full-time students the

57  
00:02:35,830 --> 00:02:33,519  
concession ticket price is 220 dollars

58  
00:02:37,990 --> 00:02:35,840  
really good news and the news just keeps

59  
00:02:40,790 --> 00:02:38,000  
on getting better what if you already

60  
00:02:42,070 --> 00:02:40,800  
bought a ticket do you get a refund yes

61  
00:02:43,670 --> 00:02:42,080  
absolutely

62  
00:02:46,550 --> 00:02:43,680  
everybody who bought a ticket already

63  
00:02:48,229 --> 00:02:46,560

will be reimbursed the price difference

64

00:02:50,070 --> 00:02:48,239

wow more good news there then you can

65

00:02:51,670 --> 00:02:50,080

poke a stick out really that's a funny

66

00:02:54,070 --> 00:02:51,680

expression isn't it look for more

67

00:02:59,830 --> 00:02:54,080

details you can go to [skeptics.com.u](http://skeptics.com.u) or

68

00:03:04,390 --> 00:03:01,830

wow great news for the australian

69

00:03:07,270 --> 00:03:04,400

skeptics national convention coming up

70

00:03:09,430 --> 00:03:07,280

in november if you've been sort of yeah

71

00:03:11,270 --> 00:03:09,440

hanging out there hanging off not

72

00:03:13,190 --> 00:03:11,280

getting your tickets now is the time to

73

00:03:15,270 --> 00:03:13,200

buy the tickets the prices have crashed

74

00:03:16,390 --> 00:03:15,280

down there are concession tickets

75

00:03:17,509 --> 00:03:16,400

available

76

00:03:18,710 --> 00:03:17,519

good news

77

00:03:20,710 --> 00:03:18,720

all around

78

00:03:23,430 --> 00:03:20,720

and i'll be sure to be uh telling

79

00:03:25,990 --> 00:03:23,440

everybody at the amazing meeting in

80

00:03:28,710 --> 00:03:26,000

las vegas in a few weeks time that good

81

00:03:30,630 --> 00:03:28,720

news as well but let's uh let's calm

82

00:03:32,949 --> 00:03:30,640

down a little bit now let's just

83

00:03:34,550 --> 00:03:32,959

take a deep breath

84

00:03:36,309 --> 00:03:34,560

what's coming up on this week's episode

85

00:03:38,229 --> 00:03:36,319

of the skeptic zone

86

00:03:39,110 --> 00:03:38,239

well here's a question for you have you

87

00:03:41,750 --> 00:03:39,120

got

88

00:03:43,509 --> 00:03:41,760

an embarrassing body

89

00:03:48,149 --> 00:03:43,519

i sure do

90

00:03:49,750 --> 00:03:48,159

oh yes oh yes this week a man who i'm

91

00:03:52,309 --> 00:03:49,760

sure doesn't have an embarrassing body

92

00:03:53,990 --> 00:03:52,319

iran sigue is going to chat to dr

93

00:03:56,550 --> 00:03:54,000

bradley who's one of the australian

94

00:03:58,309 --> 00:03:56,560

doctors in the australian series of

95

00:03:59,990 --> 00:03:58,319

embarrassing bodies

96

00:04:01,830 --> 00:04:00,000

now for those of you who are maybe not

97

00:04:03,990 --> 00:04:01,840

familiar with embarrassing bodies it's a

98

00:04:05,750 --> 00:04:04,000

show where people with embarrassing but

99

00:04:08,470 --> 00:04:05,760

sometimes very serious medical

100

00:04:10,550 --> 00:04:08,480

conditions come along to see doctors

101  
00:04:12,949 --> 00:04:10,560  
and we sort of follow their stories and

102  
00:04:15,990 --> 00:04:12,959  
how they're helped or their situation is

103  
00:04:18,310 --> 00:04:16,000  
managed and some cases are

104  
00:04:20,629 --> 00:04:18,320  
wonderful recoveries anyway iran's going

105  
00:04:22,950 --> 00:04:20,639  
to be talking with dr brad about the

106  
00:04:24,550 --> 00:04:22,960  
show and some other

107  
00:04:26,550 --> 00:04:24,560  
embarrassing things

108  
00:04:27,590 --> 00:04:26,560  
after that it's a week in science from

109  
00:04:29,510 --> 00:04:27,600  
our good friends at the royal

110  
00:04:31,670 --> 00:04:29,520  
institution of australia

111  
00:04:33,590 --> 00:04:31,680  
oh who's on this week paul willis dr

112  
00:04:35,830 --> 00:04:33,600  
paul willis now there's a man

113  
00:04:37,110 --> 00:04:35,840

with an embarrassing body

114

00:04:39,590 --> 00:04:37,120

no two

115

00:04:41,909 --> 00:04:39,600

after that we catch up with maynard now

116

00:04:44,230 --> 00:04:41,919

maynard is taking a little break from

117

00:04:46,550 --> 00:04:44,240

skeptic zone activities at the moment to

118

00:04:47,590 --> 00:04:46,560

concentrate on his own podcast bunga

119

00:04:49,030 --> 00:04:47,600

bunga

120

00:04:51,510 --> 00:04:49,040

and we have a little chat about that

121

00:04:53,430 --> 00:04:51,520

catching up with maynard uh well there's

122

00:04:55,510 --> 00:04:53,440

so much good stuff coming out of maynard

123

00:04:56,550 --> 00:04:55,520

he's uh when he's not doing the skeptic

124

00:04:58,790 --> 00:04:56,560

zone he's

125

00:05:00,510 --> 00:04:58,800

doing his own fun podcast bunga bunga

126

00:05:03,110 --> 00:05:00,520

check it out at

127

00:05:04,790 --> 00:05:03,120

maynard.com and we look forward to more

128

00:05:07,110 --> 00:05:04,800

reports from maynard

129

00:05:08,629 --> 00:05:07,120

when he's good and ready and following

130

00:05:11,430 --> 00:05:08,639

that i catch up with a good friend of

131

00:05:12,310 --> 00:05:11,440

mine bob blaskowitz from the united

132

00:05:14,950 --> 00:05:12,320

states

133

00:05:16,390 --> 00:05:14,960

who is hot on the tail hot on the trail

134

00:05:19,590 --> 00:05:16,400

on the case

135

00:05:22,310 --> 00:05:19,600

of one dr brzezinski what's this

136

00:05:24,390 --> 00:05:22,320

so-called cancer expert up to now we

137

00:05:26,629 --> 00:05:24,400

catch up with the latest

138

00:05:28,550 --> 00:05:26,639

concerning news then to round off the

139

00:05:31,110 --> 00:05:28,560

show it's uh for someone who's fast

140

00:05:34,629 --> 00:05:31,120

becoming a favorite on the skeptic's own

141

00:05:36,230 --> 00:05:34,639

joe alabaster with more evidence please

142

00:05:38,150 --> 00:05:36,240

joe's going to be looking at a recent

143

00:05:39,749 --> 00:05:38,160

study concerning

144

00:05:41,189 --> 00:05:39,759

rats

145

00:05:43,189 --> 00:05:41,199

and maize

146

00:05:44,950 --> 00:05:43,199

not not not the maize you

147

00:05:46,870 --> 00:05:44,960

rats and mice run in that the maze you

148

00:05:47,830 --> 00:05:46,880

eat the maze you eat you see rats and

149

00:05:50,070 --> 00:05:47,840

maize

150

00:05:51,909 --> 00:05:50,080

an interesting investigation by joe and

151

00:05:53,590 --> 00:05:51,919

a good lesson

152

00:05:55,350 --> 00:05:53,600

in science i think

153

00:05:57,749 --> 00:05:55,360

more evidence please that's what we want

154

00:06:00,629 --> 00:05:57,759

more joe alabasta she's coming up

155

00:06:02,310 --> 00:06:00,639

to round off the show now a quick update

156

00:06:04,870 --> 00:06:02,320

from me on a personal project i've been

157

00:06:07,189 --> 00:06:04,880

working on for some time the upcoming

158

00:06:11,029 --> 00:06:07,199

documentary the vaccination chronicles

159

00:06:12,550 --> 00:06:11,039

as we speak as i speak as i speak to you

160

00:06:14,790 --> 00:06:12,560

yes it works like that i think as i'm

161

00:06:16,870 --> 00:06:14,800

speaking to you right now on sunday

162

00:06:18,870 --> 00:06:16,880

night here in australia my good friend

163

00:06:22,070 --> 00:06:18,880

and sometimes co-host of the skeptic's

164

00:06:25,110 --> 00:06:22,080

own stephen soyker is busy in his place

165

00:06:27,110 --> 00:06:25,120

which is many kilometers from here uh

166

00:06:29,110 --> 00:06:27,120

finishing off the music for this

167

00:06:30,950 --> 00:06:29,120

documentary i sort of wrote a little

168

00:06:32,309 --> 00:06:30,960

theme i sent it to him

169

00:06:34,309 --> 00:06:32,319

because he's a much better piano player

170

00:06:43,430 --> 00:06:34,319

than i and he's back and forth anyway

171

00:06:46,230 --> 00:06:44,469

that's all you're getting you're gonna

172

00:06:47,430 --> 00:06:46,240

have to watch the documentary soon when

173

00:06:49,110 --> 00:06:47,440

it comes out

174

00:06:51,189 --> 00:06:49,120

but uh i think you can understand my

175

00:06:52,870 --> 00:06:51,199

excitement to hear that music to put it

176

00:06:55,110 --> 00:06:52,880

on the timeline to see it interact with

177

00:06:56,550 --> 00:06:55,120

the credits and the opening bit and it's

178

00:06:58,710 --> 00:06:56,560

all very exciting

179

00:07:00,710 --> 00:06:58,720

uh and i hope that documentary will be

180

00:07:03,430 --> 00:07:00,720

out for everybody to see

181

00:07:06,150 --> 00:07:03,440

very very soon now but now it's time for

182

00:07:08,390 --> 00:07:06,160

me to run downstairs run downstairs open

183

00:07:11,189 --> 00:07:08,400

that cupboard open the fridge open the

184

00:07:12,710 --> 00:07:11,199

freezer open the toaster the microwave

185

00:07:15,029 --> 00:07:12,720

and everything else in the kitchen i can

186

00:07:16,950 --> 00:07:15,039

possibly open

187

00:07:20,390 --> 00:07:16,960

i think i'll have a plate of toasted

188

00:07:23,909 --> 00:07:20,400

ravioli and finish it off with a pint of

189

00:07:26,390 --> 00:07:23,919

ted drewers hmm sounds good to me hey

190

00:07:56,790 --> 00:07:26,400

bob while i'm doing that or attempting

191

00:08:01,589 --> 00:07:59,189

i felt something snap

192

00:08:04,469 --> 00:08:01,599

next day when i woke up it was bent out

193

00:08:07,830 --> 00:08:04,479

of shape this bedroom injury has left

194

00:08:10,070 --> 00:08:07,840

more than just a bruised evo oh yeah

195

00:08:12,150 --> 00:08:10,080

you've got some cracker warts there and

196

00:08:15,430 --> 00:08:12,160

whilst we're down below inside this

197

00:08:17,830 --> 00:08:15,440

bottom is a common household item do i

198

00:08:20,550 --> 00:08:17,840

try to pull it out dr brad and the boys

199

00:08:23,270 --> 00:08:20,560

are gloved up and ready to dig deep

200

00:08:26,390 --> 00:08:23,280

brand new embarrassing bodies down under

201

00:08:28,629 --> 00:08:26,400

tuesday 9 30. only on you

202

00:08:30,550 --> 00:08:28,639

so i'm here with dr brad makai fellow

203

00:08:33,430 --> 00:08:30,560

australian who happens to be in the uk

204

00:08:37,269 --> 00:08:34,870

just proving your credentials right

205

00:08:39,190 --> 00:08:37,279

exactly exactly very good so

206

00:08:41,269 --> 00:08:39,200

um we were talking about fecal

207

00:08:43,430 --> 00:08:41,279

transplant fecal transplant so we'll

208

00:08:46,230 --> 00:08:43,440

have to jump straight into it i don't

209

00:08:49,269 --> 00:08:46,240

mean that in literal way but come on so

210

00:08:51,190 --> 00:08:49,279

so there there's a new fecal bank which

211

00:08:53,590 --> 00:08:51,200

is started up in the states so

212

00:08:55,670 --> 00:08:53,600

apparently there's uh three donors who

213

00:08:56,870 --> 00:08:55,680

are the official donors of fecal

214

00:08:58,870 --> 00:08:56,880

specimens

215

00:09:01,430 --> 00:08:58,880

and so they they will

216

00:09:03,990 --> 00:09:01,440

create their own specimens and then

217

00:09:06,150 --> 00:09:04,000

freeze them and then you can send off

218

00:09:08,389 --> 00:09:06,160

the specimens to different parts around

219

00:09:10,150 --> 00:09:08,399

america at this point of time and then

220

00:09:12,870 --> 00:09:10,160

defrost them and then use them as a

221

00:09:15,430 --> 00:09:12,880

fecal transplant so doctors are starting

222

00:09:17,430 --> 00:09:15,440

to use that to help for chronic diarrhea

223

00:09:20,790 --> 00:09:17,440

and bacterial diarrhea so when you say

224

00:09:23,190 --> 00:09:20,800

doctors are starting to use that i mean

225

00:09:25,030 --> 00:09:23,200

first of all something like this would

226

00:09:26,870 --> 00:09:25,040

have to be regulated in some way

227

00:09:28,710 --> 00:09:26,880

wouldn't you i mean that's the problem

228

00:09:30,150 --> 00:09:28,720

because there's not much regulation for

229

00:09:32,389 --> 00:09:30,160

it if you've got blood products then

230

00:09:34,710 --> 00:09:32,399

that's highly scrutinized uh but yeah

231

00:09:36,949 --> 00:09:34,720

with fecal transplants that's really

232

00:09:38,870 --> 00:09:36,959

like a very early stage so there's no

233

00:09:40,070 --> 00:09:38,880

real rules for it at the moment so

234

00:09:42,710 --> 00:09:40,080

they're saying that they've got like

235

00:09:45,269 --> 00:09:42,720

clean like three donors that are clean

236

00:09:46,949 --> 00:09:45,279

people that are donating

237

00:09:48,630 --> 00:09:46,959

okay

238

00:09:50,790 --> 00:09:48,640

i'm embellishing a little bit but that's

239

00:09:53,030 --> 00:09:50,800

what they say like that the the creme de

240

00:09:55,829 --> 00:09:53,040

la creme of bowel actions that's the

241

00:09:58,790 --> 00:09:57,350

so so

242

00:10:00,310 --> 00:09:58,800

three donors i mean you would expect

243

00:10:03,509 --> 00:10:00,320

that there would be a bit more of a

244

00:10:05,910 --> 00:10:03,519

variety and and plus i heard

245

00:10:08,310 --> 00:10:05,920

um again it was like apple making their

246

00:10:10,790 --> 00:10:08,320

uh their computers in their garage yes

247

00:10:12,550 --> 00:10:10,800

like a small group that started yeah but

248

00:10:13,910 --> 00:10:12,560

i actually heard there's the obviously

249

00:10:15,590 --> 00:10:13,920

difficult transplants have been in the

250

00:10:17,269 --> 00:10:15,600

news quite a lot in recent times one of

251

00:10:19,110 --> 00:10:17,279

the things that

252

00:10:21,269 --> 00:10:19,120

i kind of gathered from all of the

253

00:10:24,870 --> 00:10:21,279

things that i've heard was that um

254

00:10:26,949 --> 00:10:24,880

donation uh from a family member is more

255

00:10:28,790 --> 00:10:26,959

efficient or more useful than just

256

00:10:30,470 --> 00:10:28,800

donation from a

257

00:10:32,150 --> 00:10:30,480

i think that's still debatable i don't

258

00:10:33,910 --> 00:10:32,160

think there's much evidence for that

259

00:10:35,750 --> 00:10:33,920

happening i think the the main thing

260

00:10:37,670 --> 00:10:35,760

from having a family member is that you

261

00:10:40,630 --> 00:10:37,680

sort of like know that they're sort of

262

00:10:43,269 --> 00:10:40,640

like clean it's not an anonymous donor

263

00:10:45,269 --> 00:10:43,279

so that that's a safety in that regard

264

00:10:47,269 --> 00:10:45,279

but otherwise you could get anybody but

265

00:10:49,590 --> 00:10:47,279

they try to find sorry isn't that about

266

00:10:51,430 --> 00:10:49,600

uh um the

267

00:10:53,269 --> 00:10:51,440

again one of the things we've discussed

268

00:10:55,269 --> 00:10:53,279

before we started recording was the fact

269

00:10:57,269 --> 00:10:55,279

that the gut flora is actually very

270

00:10:59,990 --> 00:10:57,279

complex and it's different between

271

00:11:02,310 --> 00:11:00,000

different people and i might one of the

272

00:11:04,470 --> 00:11:02,320

things that seem to be

273

00:11:06,470 --> 00:11:04,480

evident is that there is commonalities

274

00:11:08,630 --> 00:11:06,480

amongst in amongst families so for

275

00:11:11,670 --> 00:11:08,640

example i and my wife and my children

276

00:11:13,910 --> 00:11:11,680

would tend to have similar gut flora and

277

00:11:16,389 --> 00:11:13,920

perhaps me with somebody who's not does

278

00:11:18,230 --> 00:11:16,399

not share my my life maybe the gut fall

279

00:11:21,190 --> 00:11:18,240

would be a little bit different and then

280

00:11:23,509 --> 00:11:21,200

by taking gut flora from a fecal

281

00:11:25,030 --> 00:11:23,519

transplant from a family member you

282

00:11:27,590 --> 00:11:25,040

increase the chance that you'll get your

283

00:11:29,590 --> 00:11:27,600

original gut flora back or you could

284

00:11:32,069 --> 00:11:29,600

just get the same bad bacteria there as

285

00:11:35,110 --> 00:11:32,079

well so there could could still be small

286

00:11:36,710 --> 00:11:35,120

colonies of bad bacteria in other family

287

00:11:39,430 --> 00:11:36,720

members guts as well and then that can

288

00:11:41,110 --> 00:11:39,440

be spread around too so it's not not a

289

00:11:43,910 --> 00:11:41,120

guarantee you really

290

00:11:46,870 --> 00:11:43,920

they're wanting to find people who have

291

00:11:49,269 --> 00:11:46,880

regular like 20 like once in a 24-hour

292

00:11:51,509 --> 00:11:49,279

period normal bowel actions without

293

00:11:53,509 --> 00:11:51,519

having diarrhea or constipation so

294

00:11:55,670 --> 00:11:53,519

that's really what they're guided

295

00:11:57,030 --> 00:11:55,680

towards by saying that person has the

296

00:11:58,550 --> 00:11:57,040

perfect stool

297

00:12:01,590 --> 00:11:58,560

let's get

298

00:12:03,910 --> 00:12:01,600

get their poo okay so now that we okay

299

00:12:05,750 --> 00:12:03,920

so we got the poo out of the way

300

00:12:07,269 --> 00:12:05,760

that's a great topic

301

00:12:10,949 --> 00:12:07,279

we can talk about we can talk about

302

00:12:12,629 --> 00:12:10,959

other things now first of all um can you

303

00:12:15,670 --> 00:12:12,639

you're a doctor you're a medical doctor

304

00:12:17,750 --> 00:12:15,680

yes um and but but you you don't did you

305

00:12:19,670 --> 00:12:17,760

practice do you you're in um yeah i work

306

00:12:21,269 --> 00:12:19,680

in a clinic in richmond and melbourne

307

00:12:23,430 --> 00:12:21,279

and you do something else in addition to

308

00:12:25,509 --> 00:12:23,440

treating i also i well i also treat

309

00:12:28,150 --> 00:12:25,519

patients on tv as well so i do

310

00:12:30,710 --> 00:12:28,160

embarrassing bodies down under so a very

311

00:12:32,310 --> 00:12:30,720

cheeky show based on the uk series

312

00:12:33,269 --> 00:12:32,320

that's been taking up a lot of my time

313

00:12:34,470 --> 00:12:33,279

lately

314

00:12:36,470 --> 00:12:34,480

and we've just been nominated for a

315

00:12:38,389 --> 00:12:36,480

logie so i've gotta cut off my trip

316

00:12:39,910 --> 00:12:38,399

early and go back

317

00:12:41,030 --> 00:12:39,920

towards the end of the month for that

318

00:12:43,430 --> 00:12:41,040

okay so

319

00:12:47,750 --> 00:12:43,440

when did the this program start um so

320

00:12:48,949 --> 00:12:47,760

the program was aired in october of 2013

321

00:12:50,470 --> 00:12:48,959

so it was

322

00:12:53,030 --> 00:12:50,480

shown on foxtel

323

00:12:55,670 --> 00:12:53,040

now it's on uh free to air in the uk as

324

00:12:58,389 --> 00:12:55,680

well so and how many episodes have you

325

00:13:00,310 --> 00:12:58,399

there's eight episodes okay so each is

326

00:13:02,470 --> 00:13:00,320

an hour long

327

00:13:07,110 --> 00:13:02,480

were you limited to only things from

328

00:13:11,030 --> 00:13:09,350

earlier on before the recording so yeah

329

00:13:13,670 --> 00:13:11,040

for example one of my patients had

330

00:13:16,629 --> 00:13:13,680

terrible alopecia so he looked like he

331

00:13:18,550 --> 00:13:16,639

was a monk so he had a lot of a loss of

332

00:13:20,230 --> 00:13:18,560

hair on the top of his head so some

333

00:13:21,990 --> 00:13:20,240

people were saying some people were

334

00:13:23,829 --> 00:13:22,000

commenting and thinking that it was a

335

00:13:26,150 --> 00:13:23,839

like a testosterone-based

336

00:13:29,110 --> 00:13:26,160

androgenic hair loss but his was an

337

00:13:31,430 --> 00:13:29,120

alopecia areata hair loss and so it was

338

00:13:32,310 --> 00:13:31,440

just quite amazing sort of seeing him um

339

00:13:34,389 --> 00:13:32,320

putting him in contact with the

340

00:13:37,670 --> 00:13:34,399

dermatologist who then did injections of

341

00:13:40,310 --> 00:13:37,680

steroid into his head and then um yeah

342

00:13:43,030 --> 00:13:40,320

he had an amazing result it was about 95

343

00:13:45,190 --> 00:13:43,040

growth of his hair after having like a

344

00:13:47,990 --> 00:13:45,200

massive patch like

345

00:13:49,430 --> 00:13:48,000

the size of a large orange so that sort

346

00:13:51,430 --> 00:13:49,440

of circumference

347

00:13:54,310 --> 00:13:51,440

all growing back with his hair so you're

348

00:13:56,470 --> 00:13:54,320

needing to inject a very strong steroid

349

00:13:58,629 --> 00:13:56,480

dose into the skin to stop the

350

00:14:00,150 --> 00:13:58,639

autoimmune process from occurring so

351

00:14:02,230 --> 00:14:00,160

it's sort of very

352

00:14:04,230 --> 00:14:02,240

very rewarding seeing those cases coming

353

00:14:05,189 --> 00:14:04,240

through so have you encountered as part

354

00:14:06,389 --> 00:14:05,199

of doing this problem have you

355

00:14:08,310 --> 00:14:06,399

encountered things that you've never

356

00:14:10,870 --> 00:14:08,320

seen before

357

00:14:13,430 --> 00:14:10,880

uh i think there are a lot of extremes

358

00:14:16,150 --> 00:14:13,440

so we did a fair bit of cosmetic surgery

359

00:14:19,829 --> 00:14:16,160

as part of the show like a small aspect

360

00:14:21,829 --> 00:14:19,839

of it one of my patients she had a large

361

00:14:24,310 --> 00:14:21,839

abdomen after losing lots of weight and

362

00:14:25,990 --> 00:14:24,320

so that it was quite a massive operation

363

00:14:27,750 --> 00:14:26,000

i saw her before

364

00:14:31,030 --> 00:14:27,760

it was skin and fat as well so she had

365

00:14:32,629 --> 00:14:31,040

about 16 kilograms removed from skin and

366

00:14:34,790 --> 00:14:32,639

fat together

367

00:14:36,310 --> 00:14:34,800

yeah so i saw her before and afterwards

368

00:14:38,310 --> 00:14:36,320

and i was like oh yeah it's good and

369

00:14:41,030 --> 00:14:38,320

then i saw i was watching it when the

370

00:14:43,269 --> 00:14:41,040

episode went up on on tv and i was like

371

00:14:45,509 --> 00:14:43,279

screaming watching tv going oh my god

372

00:14:47,189 --> 00:14:45,519

the surgery is full on so

373

00:14:48,550 --> 00:14:47,199

you sort of like missed that aspect of

374

00:14:51,030 --> 00:14:48,560

it if you're seeing the patient's before

375

00:14:52,790 --> 00:14:51,040

and after as a gp so it's good to fill

376

00:14:54,470 --> 00:14:52,800

in you have to did you actually have to

377

00:14:57,829 --> 00:14:54,480

do any treatments yourself or was it

378

00:14:59,189 --> 00:14:57,839

more the diagnosis and the

379

00:15:00,949 --> 00:14:59,199

lot of it was

380

00:15:02,389 --> 00:15:00,959

talking to people diagnosing putting

381

00:15:04,310 --> 00:15:02,399

them in contact with a surgeon or a

382

00:15:06,550 --> 00:15:04,320

specialist and following them through

383

00:15:09,269 --> 00:15:06,560

with that we saw heaps of patients so a

384

00:15:12,069 --> 00:15:09,279

lot of the treatment options that we did

385

00:15:13,189 --> 00:15:12,079

wasn't actually shown completely on so

386

00:15:15,750 --> 00:15:13,199

headless what do you mean so you mean

387

00:15:17,269 --> 00:15:15,760

reality tv is not really reality

388

00:15:20,470 --> 00:15:17,279

well i'm just shocked some of the

389

00:15:22,949 --> 00:15:20,480

patients are no longer we saw about 140

390

00:15:25,590 --> 00:15:22,959

patients altogether and um and we had a

391

00:15:28,069 --> 00:15:25,600

like a smaller amount of that for for

392

00:15:30,310 --> 00:15:28,079

what we actually showed on on screen so

393

00:15:33,350 --> 00:15:30,320

we had a lot of treatment we had lots of

394

00:15:35,350 --> 00:15:33,360

psoriasis warts like a lot of bread and

395

00:15:37,670 --> 00:15:35,360

butter stuff for general practice which

396

00:15:39,910 --> 00:15:37,680

isn't interesting enough for television

397

00:15:41,269 --> 00:15:39,920

but yeah yeah so now i have to ask you

398

00:15:42,550 --> 00:15:41,279

this question um

399

00:15:44,550 --> 00:15:42,560

you know it's a bit personal but you

400

00:15:45,910 --> 00:15:44,560

know that one of the things that the uk

401  
00:15:47,750 --> 00:15:45,920  
version of the show does is that it

402  
00:15:49,910 --> 00:15:47,760  
shows all these people with things that

403  
00:15:50,949 --> 00:15:49,920  
are not just embarrassing but frankly a

404  
00:15:52,230 --> 00:15:50,959  
little bit

405  
00:15:53,590 --> 00:15:52,240  
off-putting

406  
00:15:55,590 --> 00:15:53,600  
i mean the reason they're embarrassing

407  
00:15:57,749 --> 00:15:55,600  
is because they're off-putting for

408  
00:16:00,150 --> 00:15:57,759  
titling yeah for not just the

409  
00:16:03,829 --> 00:16:00,160  
the owner of the of the city of the

410  
00:16:06,389 --> 00:16:03,839  
situation but also people around them um

411  
00:16:07,350 --> 00:16:06,399  
the way the uk show mitigates that is by

412  
00:16:09,189 --> 00:16:07,360  
having

413  
00:16:10,870 --> 00:16:09,199

very good looking doctors

414

00:16:13,030 --> 00:16:10,880

and i have so i just have to ask you i

415

00:16:14,310 --> 00:16:13,040

mean obviously what do you say but i

416

00:16:16,629 --> 00:16:14,320

have to ask you about your abs whether

417

00:16:17,910 --> 00:16:16,639

you have these abs that

418

00:16:19,990 --> 00:16:17,920

you're not quite as good as dr

419

00:16:22,150 --> 00:16:20,000

christians but yeah

420

00:16:24,629 --> 00:16:22,160

i'm trying to get there yeah yeah he's

421

00:16:26,870 --> 00:16:24,639

had years getting those abs so i'm just

422

00:16:28,550 --> 00:16:26,880

starting off now and today okay so so

423

00:16:30,470 --> 00:16:28,560

you're saying it's the tv that does it

424

00:16:32,949 --> 00:16:30,480

it's not exercising totally absolutely

425

00:16:35,990 --> 00:16:32,959

that's self-reflection yeah okay so now

426

00:16:37,430 --> 00:16:36,000

the the the show is on for for another

427

00:16:39,509 --> 00:16:37,440

season soon or

428

00:16:41,509 --> 00:16:39,519

um we're we're still waiting to hear

429

00:16:44,629 --> 00:16:41,519

about a second season so nothing's been

430

00:16:46,230 --> 00:16:44,639

cleared so far so i have no idea we will

431

00:16:47,910 --> 00:16:46,240

see what happens and he was you

432

00:16:50,550 --> 00:16:47,920

mentioned earlier that he was he was

433

00:16:52,790 --> 00:16:50,560

hidden uh somewhere on on foxtel was it

434

00:16:56,150 --> 00:16:54,310

it was on the lifestyle you channel on

435

00:16:57,990 --> 00:16:56,160

foxtel so a lot of people have seen it a

436

00:16:59,829 --> 00:16:58,000

lot of my patients back in melbourne

437

00:17:01,670 --> 00:16:59,839

haven't seen it so they sort of come in

438

00:17:04,230 --> 00:17:01,680

and say is your show on yet

439

00:17:05,909 --> 00:17:04,240

yes it's been a our attention

440

00:17:07,750 --> 00:17:05,919

uh but yeah like over over in the uk

441

00:17:09,750 --> 00:17:07,760

we're getting quite a good following um

442

00:17:11,909 --> 00:17:09,760

and yeah being on free-to-air and the uk

443

00:17:13,350 --> 00:17:11,919

is fantastic oh so oh it's three to

444

00:17:15,590 --> 00:17:13,360

eight yeah yeah

445

00:17:16,870 --> 00:17:15,600

wednesday night in the uk okay very good

446

00:17:18,949 --> 00:17:16,880

what what channel

447

00:17:21,429 --> 00:17:18,959

it's on channel four

448

00:17:24,630 --> 00:17:21,439

11 11 pm on a wednesday

449

00:17:26,069 --> 00:17:24,640

so yeah prime time at 11 pm yeah

450

00:17:27,590 --> 00:17:26,079

everyone's on twitter saying that

451  
00:17:29,270 --> 00:17:27,600  
they're having nightmares because

452  
00:17:31,029 --> 00:17:29,280  
they're watching embarrassing bodies

453  
00:17:32,950 --> 00:17:31,039  
just before they go to bed

454  
00:17:34,150 --> 00:17:32,960  
so um

455  
00:17:35,510 --> 00:17:34,160  
what are you doing in the uk at the

456  
00:17:38,710 --> 00:17:35,520  
moment you didn't come especially for

457  
00:17:40,470 --> 00:17:38,720  
qed of course i came especially for qed

458  
00:17:42,630 --> 00:17:40,480  
so no i've got i've got a wedding but

459  
00:17:44,310 --> 00:17:42,640  
this is perfect timing i've been to the

460  
00:17:46,470 --> 00:17:44,320  
skeptics convention in melbourne when

461  
00:17:48,470 --> 00:17:46,480  
that was there a couple of years ago and

462  
00:17:50,390 --> 00:17:48,480  
looking forward to sydney later on uh

463  
00:17:53,350 --> 00:17:50,400

this year uh but yeah like i've been

464

00:17:54,870 --> 00:17:53,360

following skepticism for years so i love

465

00:17:57,350 --> 00:17:54,880

the premise of it i love the

466

00:18:13,430 --> 00:17:57,360

intellectual banter that goes on and i

467

00:18:16,549 --> 00:18:15,190

well brad thank you very much for being

468

00:18:17,830 --> 00:18:16,559

on the script exactly thanks for having

469

00:18:20,710 --> 00:18:17,840

me on

470

00:18:22,390 --> 00:18:20,720

people often tweet me and say

471

00:18:26,830 --> 00:18:22,400

but i'm too embarrassed to go to the

472

00:18:29,510 --> 00:18:26,840

doctor asterix blushes asterix

473

00:18:31,590 --> 00:18:29,520

well this is a reminder that doctors

474

00:18:34,150 --> 00:18:31,600

have seen everything before

475

00:18:37,270 --> 00:18:34,160

even if it's rare they've likely seen a

476

00:18:39,669 --> 00:18:37,280

photo of it in one of their textbooks

477

00:18:41,750 --> 00:18:39,679

get it checked out

478

00:18:47,909 --> 00:18:41,760

and by the way not all of my twitter

479

00:18:47,919 --> 00:18:54,830

in a world where the truth

480

00:19:03,510 --> 00:18:58,470

is messages are received from beyond the

481

00:19:09,270 --> 00:19:06,470

and reason is sidelined for magical

482

00:19:15,510 --> 00:19:12,470

only three men stand between the truth

483

00:19:17,909 --> 00:19:15,520

and a postmodernist

484

00:19:19,430 --> 00:19:17,919

what date is it seven eight seventh

485

00:19:20,870 --> 00:19:19,440

eighth this is impressive it's these

486

00:19:26,310 --> 00:19:20,880

artists impressions they're not they're

487

00:19:29,909 --> 00:19:27,990

we don't discuss cryptozoology on the

488

00:19:31,270 --> 00:19:29,919

show very often because we don't know

489

00:19:33,190 --> 00:19:31,280

anything about it that's true that's

490

00:19:35,029 --> 00:19:33,200

true the price gets lower and lower and

491

00:19:38,870 --> 00:19:35,039

lower and then he hits the ceiling it's

492

00:19:43,430 --> 00:19:40,390

skeptics are the k for the mercy side

493

00:19:49,110 --> 00:19:43,440

skeptic society find us on itunes or you

494

00:19:54,070 --> 00:19:52,150

welcome to a week in science from rios

495

00:19:56,230 --> 00:19:54,080

bringing you the science you need to

496

00:19:58,950 --> 00:19:56,240

know how will the inhabitants of the

497

00:20:00,470 --> 00:19:58,960

most remote places on earth fare under a

498

00:20:02,549 --> 00:20:00,480

changing climate

499

00:20:08,710 --> 00:20:02,559

not too well as we take a look at

500

00:20:14,470 --> 00:20:11,350

this is the tale of two penguins one

501  
00:20:16,630 --> 00:20:14,480  
winner one loser this isn't a deli

502  
00:20:22,150 --> 00:20:16,640  
penguin

503  
00:20:24,710 --> 00:20:22,160  
they are closely related and they both

504  
00:20:26,710 --> 00:20:24,720  
eat krill and the same kinds of fish

505  
00:20:30,230 --> 00:20:26,720  
over the past few decades adelie

506  
00:20:32,310 --> 00:20:30,240  
populations have been in rapid decline

507  
00:20:34,310 --> 00:20:32,320  
during the same period gentoo

508  
00:20:36,149 --> 00:20:34,320  
populations have grown and they've

509  
00:20:38,870 --> 00:20:36,159  
extended their distribution further

510  
00:20:41,590 --> 00:20:38,880  
south it looks like changes in sea ice

511  
00:20:44,149 --> 00:20:41,600  
due to climate change may be the key

512  
00:20:46,830 --> 00:20:44,159  
gentoos are adapted to sub-antarctic

513  
00:20:49,510 --> 00:20:46,840

islands where they forage in ice-free

514

00:20:52,630 --> 00:20:49,520

areas a deli penguins spend their

515

00:20:56,549 --> 00:20:52,640

winters in the pack ice so one penguin's

516

00:21:02,470 --> 00:20:59,830

newborn antarctic fur seals are also

517

00:21:04,310 --> 00:21:02,480

feeling the pinch due to climate change

518

00:21:06,950 --> 00:21:04,320

during the first few months of life

519

00:21:09,750 --> 00:21:06,960

antarctic fur seal pups are especially

520

00:21:11,669 --> 00:21:09,760

vulnerable to cold conditions climate

521

00:21:13,909 --> 00:21:11,679

models may show an increase in

522

00:21:16,310 --> 00:21:13,919

temperature but windier and wetter

523

00:21:18,789 --> 00:21:16,320

conditions mean pups will have to divert

524

00:21:21,190 --> 00:21:18,799

more energy into keeping warm and less

525

00:21:23,669 --> 00:21:21,200

into growing up this change will

526

00:21:26,390 --> 00:21:23,679

dramatically affect fur seal pup

527

00:21:28,149 --> 00:21:26,400

survival rates added to this it is

528

00:21:30,870 --> 00:21:28,159

likely that climate change will affect

529

00:21:33,510 --> 00:21:30,880

the availability of prey placing even

530

00:21:36,070 --> 00:21:33,520

more stress on the vulnerable pups and

531

00:21:39,990 --> 00:21:36,080

now four fast facts about antarctic

532

00:21:44,789 --> 00:21:42,470

antarctic whale species such as minkies

533

00:21:47,110 --> 00:21:44,799

and humpbacks could lose between five

534

00:21:49,990 --> 00:21:47,120

and thirty percent of their habitat as

535

00:21:52,630 --> 00:21:50,000

the oceans warm leopard seals face an

536

00:21:55,750 --> 00:21:52,640

uncertain future as large areas of sea

537

00:21:57,830 --> 00:21:55,760

ice on which they breed disappear krill

538

00:22:00,470 --> 00:21:57,840

the southern ocean's main food source

539

00:22:03,510 --> 00:22:00,480

are in decline with losses of up to 80

540

00:22:04,470 --> 00:22:03,520

percent in some areas in the past 30

541

00:22:06,549 --> 00:22:04,480

years

542

00:22:09,190 --> 00:22:06,559

and the annual migration of killer

543

00:22:11,830 --> 00:22:09,200

whales may be severely affected by the

544

00:22:14,390 --> 00:22:11,840

loss of ice flows normally they would

545

00:22:16,870 --> 00:22:14,400

follow these around the polar seas

546

00:22:19,110 --> 00:22:16,880

that's it for this a week in science for

547

00:22:21,110 --> 00:22:19,120

more information on antarctic wildlife

548

00:22:22,909 --> 00:22:21,120

and climate change go to the rio's

549

00:22:26,070 --> 00:22:22,919

website

550

00:22:29,750 --> 00:22:26,080

rius.org dot a u follow us on twitter

551  
00:22:31,669 --> 00:22:29,760  
at rios and like us on facebook i'm paul

552  
00:22:45,590 --> 00:22:31,679  
willis and we'll catch you back here

553  
00:22:50,149 --> 00:22:47,830  
ad hominem begging the question factoid

554  
00:22:52,070 --> 00:22:50,159  
propagation false analogy false cause

555  
00:22:53,750 --> 00:22:52,080  
false dichotomy gibberish immunized

556  
00:22:54,950 --> 00:22:53,760  
hypothesis moral equivalence poisoning

557  
00:22:57,909 --> 00:22:54,960  
the well simple minded certitude

558  
00:22:59,510 --> 00:22:57,919  
stacking a deck and wtf are just some of

559  
00:23:01,830 --> 00:22:59,520  
the fallacies we provide real-life

560  
00:23:03,990 --> 00:23:01,840  
examples of in hunting humbug 101 a

561  
00:23:04,630 --> 00:23:04,000  
podcast about bad arguments

562  
00:23:13,590 --> 00:23:04,640  
check it out at

563  
00:23:18,950 --> 00:23:16,390

maynard what is bungabunga bungabunga is

564

00:23:20,149 --> 00:23:18,960

the strangely weird project that the abc

565

00:23:22,230 --> 00:23:20,159

broadcasting commission is not the

566

00:23:23,669 --> 00:23:22,240

slightest bit interesting in so i

567

00:23:25,909 --> 00:23:23,679

thought tim ferguson and i should just

568

00:23:27,750 --> 00:23:25,919

go it alone and make a show called bunga

569

00:23:29,350 --> 00:23:27,760

bunga look it up online it's a punchline

570

00:23:31,190 --> 00:23:29,360

of a joke that can't be shared in mixed

571

00:23:33,110 --> 00:23:31,200

company and we basically take questions

572

00:23:35,270 --> 00:23:33,120

from the audience and are searching for

573

00:23:37,590 --> 00:23:35,280

a format i mean really we thought

574

00:23:38,870 --> 00:23:37,600

mikhail's navy we'd do that but no world

575

00:23:40,390 --> 00:23:38,880

war ii is over and we couldn't get a

576

00:23:41,909 --> 00:23:40,400

navy boat for love nor money so we

577

00:23:44,149 --> 00:23:41,919

thought we'd just sit at the frou-frou

578

00:23:46,230 --> 00:23:44,159

cafe hearingly apparently and just do

579

00:23:48,310 --> 00:23:46,240

some funny stuff and see what happens

580

00:23:50,230 --> 00:23:48,320

and episode three is coming out shortly

581

00:23:52,310 --> 00:23:50,240

we discuss all the important stuff like

582

00:23:53,590 --> 00:23:52,320

why liza minnelli is the only person who

583

00:23:56,470 --> 00:23:53,600

has anything good to say about the

584

00:23:59,590 --> 00:23:56,480

weimar republic why the dc3 in melbourne

585

00:24:01,750 --> 00:23:59,600

is known as the c41 in america and three

586

00:24:03,830 --> 00:24:01,760

people will think that joke is funny and

587

00:24:05,990 --> 00:24:03,840

uh and tim basically explains his

588

00:24:08,710 --> 00:24:06,000

favorite episodes of comedy we talk

589

00:24:11,029 --> 00:24:08,720

about stuff it's skeptical if you like a

590

00:24:12,710 --> 00:24:11,039

skeptical show it's a skeptical show if

591

00:24:14,630 --> 00:24:12,720

you love a show about a religion it's

592

00:24:16,870 --> 00:24:14,640

the religious show for you if you want a

593

00:24:18,149 --> 00:24:16,880

show that talks about the beeping noise

594

00:24:19,990 --> 00:24:18,159

that's in the background that no one's

595

00:24:21,990 --> 00:24:20,000

ever been able to explain we've got the

596

00:24:23,870 --> 00:24:22,000

beeping noise show for you and that's

597

00:24:25,909 --> 00:24:23,880

basically it bill bungabunga at

598

00:24:28,390 --> 00:24:25,919

maynard.com.u have a listen please

599

00:24:30,549 --> 00:24:28,400

criticize us because we love criticism i

600

00:24:32,870 --> 00:24:30,559

think i'm going to criticize this

601  
00:24:34,710 --> 00:24:32,880  
this little tiny truck and it's got a

602  
00:24:36,310 --> 00:24:34,720  
beeping sound on the back it's why do

603  
00:24:38,070 --> 00:24:36,320  
these things happen may now when you

604  
00:24:40,950 --> 00:24:38,080  
tell me here's a mystery of the universe

605  
00:24:43,110 --> 00:24:40,960  
may not oh yep this is one

606  
00:24:44,549 --> 00:24:43,120  
for all time when i'm at home and i'm

607  
00:24:46,549 --> 00:24:44,559  
about to record the introductions for

608  
00:24:47,909 --> 00:24:46,559  
the skeptic zone

609  
00:24:52,310 --> 00:24:47,919  
ninety percent of the time i sit down

610  
00:24:55,830 --> 00:24:54,070  
seven four seven yeah well you do live

611  
00:24:56,950 --> 00:24:55,840  
at a secret air force base well that

612  
00:24:57,990 --> 00:24:56,960  
does happen i think that's part of the

613  
00:24:59,510 --> 00:24:58,000

problem and the other problem is that

614

00:25:02,149 --> 00:24:59,520

your cat doesn't make noise when you

615

00:25:03,669 --> 00:25:02,159

want to fred the cat shuts up he does i

616

00:25:04,950 --> 00:25:03,679

say hello fred the cat and he just looks

617

00:25:06,310 --> 00:25:04,960

at me but in the middle of the night

618

00:25:07,430 --> 00:25:06,320

it's meow meow meow meow meow look

619

00:25:08,950 --> 00:25:07,440

normally he's the one who answers the

620

00:25:11,269 --> 00:25:08,960

phone

621

00:25:12,950 --> 00:25:11,279

yes yes yes fred yeah i know okay it's

622

00:25:15,190 --> 00:25:12,960

tough living in britain yeah yeah could

623

00:25:17,350 --> 00:25:15,200

you put richard on nice he just goes on

624

00:25:19,430 --> 00:25:17,360

man look but what look look it's maynard

625

00:25:21,669 --> 00:25:19,440

chopra here and i've got the 10

626

00:25:23,029 --> 00:25:21,679

challenge for you really simple as that

627

00:25:25,669 --> 00:25:23,039

okay

628

00:25:26,390 --> 00:25:25,679

can someone explain to me pants pants go

629

00:25:28,870 --> 00:25:26,400

down

630

00:25:29,909 --> 00:25:28,880

pants come up who can explain that there

631

00:25:31,669 --> 00:25:29,919

you go

632

00:25:33,190 --> 00:25:31,679

mix masters who can explain that mix

633

00:25:34,789 --> 00:25:33,200

masters exactly i haven't seen one of

634

00:25:36,390 --> 00:25:34,799

those things where can you get a bulb

635

00:25:38,310 --> 00:25:36,400

for your fridge when it goes out who can

636

00:25:40,070 --> 00:25:38,320

explain that i've got a 10 challenge

637

00:25:41,350 --> 00:25:40,080

signed by the indian guy who runs a

638

00:25:44,470 --> 00:25:41,360

service station around the corner from

639

00:25:46,789 --> 00:25:44,480

me a crisp 10 note if someone can tell

640

00:25:48,470 --> 00:25:46,799

me how you can possibly replace the bulb

641

00:25:49,909 --> 00:25:48,480

in your refrigerator when it goes out

642

00:25:51,269 --> 00:25:49,919

i've been throwing it away how do you

643

00:25:52,870 --> 00:25:51,279

know if it's still on when you shut the

644

00:25:54,310 --> 00:25:52,880

door no that's not the important thing

645

00:25:56,870 --> 00:25:54,320

that's been explained years ago what

646

00:25:59,029 --> 00:25:56,880

can't be explained by these amazing

647

00:26:00,390 --> 00:25:59,039

people apparently and their cronies and

648

00:26:01,430 --> 00:26:00,400

their cronies the people that hang

649

00:26:02,789 --> 00:26:01,440

around with them the people that drink

650

00:26:05,430 --> 00:26:02,799

with them these people that call

651  
00:26:07,510 --> 00:26:05,440  
themselves skeptics

652  
00:26:09,110 --> 00:26:07,520  
look if they can't spell skeptic how the

653  
00:26:11,430 --> 00:26:09,120  
hell should they know how the universe

654  
00:26:13,110 --> 00:26:11,440  
works this is maynard chopra in and out

655  
00:26:14,870 --> 00:26:13,120  
remember there's 10 bucks in it for you

656  
00:26:17,390 --> 00:26:14,880  
people 10 bucks i'm being applying for

657  
00:26:20,390 --> 00:26:17,400  
that myself look the website is

658  
00:26:22,549 --> 00:26:20,400  
maynard.com.a you that's right

659  
00:26:24,470 --> 00:26:22,559  
yes i'm there with my cronies your

660  
00:26:26,870 --> 00:26:24,480  
cronies that's right as soon as i know

661  
00:26:28,230 --> 00:26:26,880  
what that word means i'm gonna do it

662  
00:26:29,669 --> 00:26:28,240  
there goes that truck no it's a bigger

663  
00:26:31,510 --> 00:26:29,679

one

664

00:26:33,190 --> 00:26:31,520

it's quite exciting doing a bit on the

665

00:26:34,950 --> 00:26:33,200

side of the street this is why we do

666

00:26:36,630 --> 00:26:34,960

bunga bunga live from various cafes

667

00:26:38,630 --> 00:26:36,640

around globe except we have been thrown

668

00:26:40,950 --> 00:26:38,640

out of all of them except the frou-frou

669

00:26:43,029 --> 00:26:40,960

and as soon as we know what frufu means

670

00:26:45,750 --> 00:26:43,039

we'll probably stop doing it there

671

00:27:17,430 --> 00:26:45,760

thank you mina that's okay over and out

672

00:27:17,440 --> 00:27:33,590

twitter and google

673

00:27:37,350 --> 00:27:35,510

and joining me now all the way from

674

00:27:39,110 --> 00:27:37,360

saint louis missouri i've never been to

675

00:27:41,430 --> 00:27:39,120

saint louis missouri but you know one

676

00:27:42,470 --> 00:27:41,440

day i just might make it there it's

677

00:27:44,870 --> 00:27:42,480

bob black

678

00:27:46,630 --> 00:27:44,880

hello bob hey richard how you doing i'm

679

00:27:48,070 --> 00:27:46,640

doing really well you know what i'm i

680

00:27:49,909 --> 00:27:48,080

think i was just telling you before we

681

00:27:51,510 --> 00:27:49,919

started i'm up at the crack of dawn or

682

00:27:53,510 --> 00:27:51,520

actually it's still dark outside i'm

683

00:27:55,430 --> 00:27:53,520

trying to beat jet lag if you can come

684

00:27:57,669 --> 00:27:55,440

up with a cure for jet lag i will pay

685

00:27:59,909 --> 00:27:57,679

you a million dollars

686

00:28:01,430 --> 00:27:59,919

there's lots of quack quack queues for

687

00:28:03,110 --> 00:28:01,440

jet lag out there but let's talk about

688

00:28:05,430 --> 00:28:03,120

something more serious about more some

689

00:28:07,669 --> 00:28:05,440

more quackery out there

690

00:28:09,350 --> 00:28:07,679

and for quite a while now you have been

691

00:28:10,630 --> 00:28:09,360

very active and

692

00:28:13,269 --> 00:28:10,640

uh

693

00:28:15,750 --> 00:28:13,279

very forthright in your activities and

694

00:28:17,590 --> 00:28:15,760

online presence especially when it comes

695

00:28:20,470 --> 00:28:17,600

to a certain

696

00:28:22,950 --> 00:28:20,480

uh what you call the houston cancer

697

00:28:24,710 --> 00:28:22,960

quack and he's got a name which is

698

00:28:26,710 --> 00:28:24,720

almost incomprehensible and

699

00:28:28,389 --> 00:28:26,720

unpronounceable which is standards of

700

00:28:29,510 --> 00:28:28,399

stannis say i can't even pronounce it

701  
00:28:31,830 --> 00:28:29,520  
myself

702  
00:28:34,470 --> 00:28:31,840  
stanislav brzezinski

703  
00:28:36,950 --> 00:28:34,480  
now just for those people out there who

704  
00:28:39,029 --> 00:28:36,960  
may not have heard of this man

705  
00:28:41,269 --> 00:28:39,039  
briefly what what is he about and what

706  
00:28:45,029 --> 00:28:41,279  
are some of his claims

707  
00:28:48,310 --> 00:28:45,039  
well he sells a cancer treatment

708  
00:28:49,590 --> 00:28:48,320  
known as anti-neoplastins

709  
00:28:51,590 --> 00:28:49,600  
they are a

710  
00:28:54,470 --> 00:28:51,600  
they were originally derived from human

711  
00:28:56,549 --> 00:28:54,480  
urine their fraction of human urine um

712  
00:28:59,590 --> 00:28:56,559  
and he claims that they are endogenous

713  
00:29:02,789 --> 00:28:59,600

compounds that are capable of of

714

00:29:04,950 --> 00:29:02,799

fighting cancer he thinks that um

715

00:29:07,269 --> 00:29:04,960

patients with cancer have fewer of these

716

00:29:08,230 --> 00:29:07,279

amino acids and peptides in their

717

00:29:09,990 --> 00:29:08,240

their

718

00:29:11,510 --> 00:29:10,000

blood and urine

719

00:29:12,389 --> 00:29:11,520

however no

720

00:29:15,590 --> 00:29:12,399

other

721

00:29:18,230 --> 00:29:15,600

you know no oncologist on the the planet

722

00:29:19,830 --> 00:29:18,240

recognizes a lack of anti-neoplastins as

723

00:29:22,149 --> 00:29:19,840

a cause for cancer

724

00:29:23,909 --> 00:29:22,159

um so he's the only one out there um and

725

00:29:26,230 --> 00:29:23,919

he's been he's been um

726

00:29:28,310 --> 00:29:26,240

uh selling this this drug and treating

727

00:29:31,750 --> 00:29:28,320

patients for about 40 years

728

00:29:34,149 --> 00:29:31,760

um did you say did you say 40 years

729

00:29:35,669 --> 00:29:34,159

40 years yeah since the 70s it seems

730

00:29:38,789 --> 00:29:35,679

like yeah

731

00:29:41,590 --> 00:29:38,799

so um and in the last 15 years

732

00:29:44,389 --> 00:29:41,600

he's been limited to dispensing these uh

733

00:29:46,710 --> 00:29:44,399

as part of clinical trials

734

00:29:47,590 --> 00:29:46,720

about a year and a half ago

735

00:29:50,710 --> 00:29:47,600

um

736

00:29:53,269 --> 00:29:50,720

a child by the name of josiah cotto died

737

00:29:54,389 --> 00:29:53,279

while on antineoplastins with a sodium

738

00:29:58,389 --> 00:29:54,399

level

739

00:30:01,990 --> 00:29:58,399

that was around 205 i believe that the

740

00:30:05,590 --> 00:30:02,000

typical range is 135 to 145

741

00:30:07,510 --> 00:30:05,600

and uh sodium is an uh hypernatremia

742

00:30:08,389 --> 00:30:07,520

elevated sodium level is a known side

743

00:30:09,230 --> 00:30:08,399

effect

744

00:30:11,669 --> 00:30:09,240

of

745

00:30:13,909 --> 00:30:11,679

antineoplastins and so the trials were

746

00:30:16,630 --> 00:30:13,919

suspended

747

00:30:18,149 --> 00:30:16,640

and in uh just this past december it

748

00:30:20,389 --> 00:30:18,159

really looked like the berzinski clinic

749

00:30:23,190 --> 00:30:20,399

was was down for the count

750

00:30:25,350 --> 00:30:23,200

they were uh

751  
00:30:27,830 --> 00:30:25,360  
the subject of a usa today investigation

752  
00:30:28,789 --> 00:30:27,840  
that the skeptics helped initiate

753  
00:30:30,549 --> 00:30:28,799  
um

754  
00:30:32,389 --> 00:30:30,559  
they received a warning letter that

755  
00:30:34,789 --> 00:30:32,399  
detailed

756  
00:30:38,470 --> 00:30:34,799  
simply absurd levels

757  
00:30:41,269 --> 00:30:38,480  
of uh incompetency and violations of

758  
00:30:43,269 --> 00:30:41,279  
protocols and inflated numbers uh

759  
00:30:45,029 --> 00:30:43,279  
inflated success

760  
00:30:49,029 --> 00:30:45,039  
rates um

761  
00:30:51,190 --> 00:30:49,039  
uh a failure to protect patients uh and

762  
00:30:53,190 --> 00:30:51,200  
just a really kind of inconceivable

763  
00:30:54,070 --> 00:30:53,200

number of operations

764

00:30:56,630 --> 00:30:54,080

um

765

00:30:58,310 --> 00:30:56,640

at the same time new proceedings were

766

00:31:01,430 --> 00:30:58,320

initiated by the texas medical board

767

00:31:03,269 --> 00:31:01,440

against brzezinski for false marketing

768

00:31:06,630 --> 00:31:03,279

in the last few days we've gotten word

769

00:31:08,710 --> 00:31:06,640

that the fda uh will be giving

770

00:31:10,630 --> 00:31:08,720

brzezinski the green light to resume

771

00:31:12,630 --> 00:31:10,640

administering uh

772

00:31:14,950 --> 00:31:12,640

antineoplastins so we're kind of

773

00:31:17,190 --> 00:31:14,960

surprised by that and uh we're wondering

774

00:31:18,549 --> 00:31:17,200

how that happened so i was just about to

775

00:31:20,310 --> 00:31:18,559

ask you um

776

00:31:23,269 --> 00:31:20,320

how did this happen but you're wondering

777

00:31:25,510 --> 00:31:23,279

yourself look i guess

778

00:31:28,070 --> 00:31:25,520

over the years we've seen a lot of

779

00:31:29,750 --> 00:31:28,080

strange decisions come from authorities

780

00:31:31,029 --> 00:31:29,760

we can't quite figure out why they do

781

00:31:33,750 --> 00:31:31,039

these things

782

00:31:34,549 --> 00:31:33,760

but i guess it it just means that you've

783

00:31:37,350 --> 00:31:34,559

uh

784

00:31:39,909 --> 00:31:37,360

you're steadfast in your resolve

785

00:31:42,710 --> 00:31:39,919

yeah um i i don't see any

786

00:31:44,870 --> 00:31:42,720

any choice uh you know but for us to to

787

00:31:46,950 --> 00:31:44,880

dig in harder and and

788

00:31:48,950 --> 00:31:46,960

um

789

00:31:52,149 --> 00:31:48,960

do what we can to see that the situation

790

00:31:54,870 --> 00:31:52,159

is remedied we we really do think that

791

00:31:58,230 --> 00:31:54,880

um this is a decision that places a

792

00:32:01,190 --> 00:31:58,240

patient at patients at risk uh with no

793

00:32:03,750 --> 00:32:01,200

plausible benefit um

794

00:32:04,950 --> 00:32:03,760

so and it it turns out like this has

795

00:32:08,149 --> 00:32:04,960

kind of been a

796

00:32:10,470 --> 00:32:08,159

a drip drip drip uh you know

797

00:32:13,269 --> 00:32:10,480

from the fda over the last few months i

798

00:32:15,029 --> 00:32:13,279

believe it was in late march or april

799

00:32:17,909 --> 00:32:15,039

uh the fda announced that they were

800

00:32:19,789 --> 00:32:17,919

going to allow some patients who were

801

00:32:22,149 --> 00:32:19,799

campaigning to be put on

802

00:32:24,389 --> 00:32:22,159

anti-neoplastins for their incurable

803

00:32:25,830 --> 00:32:24,399

brain tumors

804

00:32:28,630 --> 00:32:25,840

that they were they were going to be

805

00:32:31,509 --> 00:32:28,640

allowed to to take the treatment as long

806

00:32:33,509 --> 00:32:31,519

as another doctor who wasn't brzezinski

807

00:32:35,509 --> 00:32:33,519

was administering it and that an

808

00:32:37,350 --> 00:32:35,519

institutional review board

809

00:32:39,110 --> 00:32:37,360

approved an independent institutional

810

00:32:42,470 --> 00:32:39,120

review board not the the one that's been

811

00:32:43,990 --> 00:32:42,480

rubber stamping brzezinski's treatments

812

00:32:45,509 --> 00:32:44,000

signed off on it

813

00:32:47,590 --> 00:32:45,519

and and

814

00:32:50,310 --> 00:32:47,600

thirdly that they could find a a

815

00:32:53,029 --> 00:32:50,320

treatment i'm sorry a doctor in their

816

00:32:54,950 --> 00:32:53,039

home state to oversee the treatment

817

00:32:56,710 --> 00:32:54,960

and some patients have been able to meet

818

00:32:58,230 --> 00:32:56,720

that criteria

819

00:32:59,110 --> 00:32:58,240

um

820

00:33:01,350 --> 00:32:59,120

and

821

00:33:03,110 --> 00:33:01,360

we just kind of were

822

00:33:05,669 --> 00:33:03,120

kind of nervous that that you know if

823

00:33:08,070 --> 00:33:05,679

this if the fda blinked

824

00:33:11,310 --> 00:33:08,080

on on the these desperate patients that

825

00:33:14,070 --> 00:33:11,320

they might you know fold when it came to

826

00:33:16,470 --> 00:33:14,080

anti-neoplastins in general and it looks

827

00:33:19,190 --> 00:33:16,480

like they it looks like they have an

828

00:33:21,269 --> 00:33:19,200

interesting side note one of the doctors

829

00:33:23,430 --> 00:33:21,279

uh who has been

830

00:33:26,230 --> 00:33:23,440

treating one of these patients recently

831

00:33:27,909 --> 00:33:26,240

has been very outspoken about

832

00:33:30,710 --> 00:33:27,919

what's going on

833

00:33:32,149 --> 00:33:30,720

in terms of the treatment he's kind of

834

00:33:33,909 --> 00:33:32,159

surprised

835

00:33:34,789 --> 00:33:33,919

that his name

836

00:33:37,110 --> 00:33:34,799

is

837

00:33:39,509 --> 00:33:37,120

terry bennett a doctor in new hampshire

838

00:33:42,870 --> 00:33:39,519

who's seeing the treatment of a a 12

839

00:33:44,070 --> 00:33:42,880

year old girl mackenzie lowe her father

840

00:33:45,190 --> 00:33:44,080

went to

841

00:33:47,990 --> 00:33:45,200

dc

842

00:33:50,149 --> 00:33:48,000

uh drove from new hampshire to d.c to

843

00:33:51,430 --> 00:33:50,159

talk to the fda because he didn't feel

844

00:33:52,950 --> 00:33:51,440

he was getting

845

00:33:54,710 --> 00:33:52,960

his questions answered so the patients

846

00:33:57,350 --> 00:33:54,720

are really fighting for this

847

00:33:58,710 --> 00:33:57,360

at the same time this doctor is learning

848

00:34:00,870 --> 00:33:58,720

what it means to do business with

849

00:34:03,350 --> 00:34:00,880

brzezinski he says that he feels like he

850

00:34:04,789 --> 00:34:03,360

is the bag man the one who's supposed to

851  
00:34:06,470 --> 00:34:04,799  
collect thirty thousand dollars and

852  
00:34:08,869 --> 00:34:06,480  
deliver to brzezinski

853  
00:34:10,389 --> 00:34:08,879  
he says it has all the the components of

854  
00:34:13,109 --> 00:34:10,399  
bait and switch

855  
00:34:14,550 --> 00:34:13,119  
skeptics could have told him this

856  
00:34:15,990 --> 00:34:14,560  
and we really wish that people knew what

857  
00:34:18,230 --> 00:34:16,000  
they were getting into before they get

858  
00:34:20,149 --> 00:34:18,240  
entangled with this brzezinski guy well

859  
00:34:22,950 --> 00:34:20,159  
i guess that's one of the reasons that

860  
00:34:25,030 --> 00:34:22,960  
you're so active um out there how can

861  
00:34:27,510 --> 00:34:25,040  
other people help what are some of the

862  
00:34:29,950 --> 00:34:27,520  
websites you can direct people to

863  
00:34:31,909 --> 00:34:29,960

um i would recommend the

864

00:34:34,470 --> 00:34:31,919

houstoncancerquack.com that has good

865

00:34:36,069 --> 00:34:34,480

information about how to boost reliable

866

00:34:38,389 --> 00:34:36,079

information into brzezinski's web

867

00:34:41,270 --> 00:34:38,399

searches so that potential patients uh

868

00:34:43,109 --> 00:34:41,280

see good information instead of

869

00:34:43,829 --> 00:34:43,119

his propaganda

870

00:34:45,750 --> 00:34:43,839

and

871

00:34:47,669 --> 00:34:45,760

feel free to contact me at

872

00:34:50,550 --> 00:34:47,679

skepticsprotect

873

00:34:52,149 --> 00:34:50,560

gmail.com that's the email for this uh

874

00:34:54,149 --> 00:34:52,159

skeptics for the protection of cancer

875

00:34:55,190 --> 00:34:54,159

patients group that i'm i'm involved

876

00:34:57,990 --> 00:34:55,200

with

877

00:34:59,589 --> 00:34:58,000

yes this is i must admit uh for me

878

00:35:01,750 --> 00:34:59,599

personally this is sort of hitting home

879

00:35:04,630 --> 00:35:01,760

a little bit because right now my poor

880

00:35:07,190 --> 00:35:04,640

old mum is uh having chemo she's doing

881

00:35:09,030 --> 00:35:07,200

very well i'm i'm pleased to say but

882

00:35:11,430 --> 00:35:09,040

yeah it's it's a it's a long process of

883

00:35:12,630 --> 00:35:11,440

course but mum's in good spirits

884

00:35:17,190 --> 00:35:12,640

she's

885

00:35:19,190 --> 00:35:17,200

absolutely

886

00:35:21,510 --> 00:35:19,200

sure that the

887

00:35:23,670 --> 00:35:21,520

scientifically based medical approach

888

00:35:25,190 --> 00:35:23,680

with chemotherapy and

889

00:35:28,550 --> 00:35:25,200

listening to her professors and her

890

00:35:30,710 --> 00:35:28,560

doctors is exactly the right way to go

891

00:35:32,470 --> 00:35:30,720

and having the president of the strange

892

00:35:35,750 --> 00:35:32,480

skeptics as a son actually hasn't

893

00:35:38,550 --> 00:35:35,760

influenced her you know she she knew the

894

00:35:41,589 --> 00:35:38,560

correct direction to go however visiting

895

00:35:43,910 --> 00:35:41,599

the cancer ward as i do regularly now

896

00:35:46,470 --> 00:35:43,920

i can i really can't understand how

897

00:35:49,430 --> 00:35:46,480

people can get to the stage where

898

00:35:50,790 --> 00:35:49,440

if a magic cure or a hope is dangled

899

00:35:53,349 --> 00:35:50,800

before them

900

00:35:55,829 --> 00:35:53,359

how that can well more or less override

901  
00:35:57,349 --> 00:35:55,839  
a lot of skeptical

902  
00:35:59,109 --> 00:35:57,359  
um

903  
00:36:00,230 --> 00:35:59,119  
what shall we say roadblocks in their

904  
00:36:03,109 --> 00:36:00,240  
mind

905  
00:36:04,870 --> 00:36:03,119  
yeah um i actually had a very similar

906  
00:36:08,150 --> 00:36:04,880  
experience a couple weeks ago a family

907  
00:36:09,670 --> 00:36:08,160  
member um who who just died

908  
00:36:12,790 --> 00:36:09,680  
got a

909  
00:36:14,630 --> 00:36:12,800  
diagnosis of pancreatic cancer and i

910  
00:36:16,550 --> 00:36:14,640  
actually thought about one of the

911  
00:36:18,790 --> 00:36:16,560  
pancreatic cancer patients who i've met

912  
00:36:20,630 --> 00:36:18,800  
who's still alive five years on

913  
00:36:22,470 --> 00:36:20,640

and wondered if brzezinski had done

914

00:36:23,990 --> 00:36:22,480

something or what was it that this

915

00:36:26,230 --> 00:36:24,000

person had done and i know that's not

916

00:36:28,150 --> 00:36:26,240

the way that you're not supposed to to

917

00:36:30,710 --> 00:36:28,160

go about looking for a cure is is

918

00:36:33,750 --> 00:36:30,720

through anecdote but pancreatic cancer

919

00:36:34,790 --> 00:36:33,760

is a bad one yeah and um

920

00:36:37,030 --> 00:36:34,800

uh

921

00:36:40,390 --> 00:36:37,040

i understand that that sense of just

922

00:36:41,589 --> 00:36:40,400

flailing out for anything like hope um

923

00:36:44,069 --> 00:36:41,599

if someone throws you a line you're

924

00:36:45,030 --> 00:36:44,079

likely to to grab it and that's what i

925

00:36:47,030 --> 00:36:45,040

find

926  
00:36:48,069 --> 00:36:47,040  
so reprehensible about the brzezinski

927  
00:36:49,910 --> 00:36:48,079  
clinic

928  
00:36:51,670 --> 00:36:49,920  
yeah yeah they're

929  
00:36:53,430 --> 00:36:51,680  
they're really playing on that part of

930  
00:36:54,390 --> 00:36:53,440  
human nature that

931  
00:36:56,710 --> 00:36:54,400  
that

932  
00:36:58,550 --> 00:36:56,720  
hope springs eternal well let's think of

933  
00:37:00,630 --> 00:36:58,560  
something a bit more positive now uh

934  
00:37:02,790 --> 00:37:00,640  
i'll be seeing you in just a matter of a

935  
00:37:04,069 --> 00:37:02,800  
few weeks at the amazing meeting of

936  
00:37:05,829 --> 00:37:04,079  
course are you going to be discussing

937  
00:37:08,950 --> 00:37:05,839  
this there

938  
00:37:11,829 --> 00:37:08,960

um i will be working with susan gerbic

939

00:37:14,069 --> 00:37:11,839

um we have i believe it's on sunday uh

940

00:37:15,190 --> 00:37:14,079

we're going to have an uh activism

941

00:37:17,670 --> 00:37:15,200

workshop

942

00:37:18,870 --> 00:37:17,680

um but i'm also going to be on a couple

943

00:37:21,190 --> 00:37:18,880

of

944

00:37:23,510 --> 00:37:21,200

regularly scheduled workshops

945

00:37:25,030 --> 00:37:23,520

um the education workshop

946

00:37:26,870 --> 00:37:25,040

and

947

00:37:28,870 --> 00:37:26,880

another one that escapes me uh rhetoric

948

00:37:29,750 --> 00:37:28,880

and skepticism workshop

949

00:37:31,990 --> 00:37:29,760

so

950

00:37:33,750 --> 00:37:32,000

yeah i look forward to seeing you yeah

951  
00:37:36,150 --> 00:37:33,760  
it's always great to catch up with the

952  
00:37:38,390 --> 00:37:36,160  
gang as i i call them the all my old

953  
00:37:40,069 --> 00:37:38,400  
friends and lots of uh skeptic zone

954  
00:37:42,950 --> 00:37:40,079  
listeners of course and

955  
00:37:45,670 --> 00:37:42,960  
i look forward to seeing you and uh

956  
00:37:47,510 --> 00:37:45,680  
well of course james randy always good

957  
00:37:49,430 --> 00:37:47,520  
to catch up with james

958  
00:37:51,829 --> 00:37:49,440  
all right bob we're really nice of you

959  
00:37:54,630 --> 00:37:51,839  
to uh spare me a bit of time uh in the

960  
00:37:55,990 --> 00:37:54,640  
wee small hours here here in australia

961  
00:37:59,030 --> 00:37:56,000  
as i

962  
00:38:00,870 --> 00:37:59,040  
wake up early and all the best with the

963  
00:38:02,870 --> 00:38:00,880

the continuing efforts

964

00:38:20,870 --> 00:38:02,880

on this matter and i'll be seeing you

965

00:38:26,069 --> 00:38:23,190

hello dear skeptical ninjas

966

00:38:28,470 --> 00:38:26,079

my name is jake farwalton and my name is

967

00:38:30,630 --> 00:38:28,480

russ bulge and we are here to talk to

968

00:38:33,430 --> 00:38:30,640

you about briz

969

00:38:35,510 --> 00:38:33,440

skepticamp which is coming up in july so

970

00:38:37,349 --> 00:38:35,520

who is speaking out bruce kefta camp

971

00:38:39,829 --> 00:38:37,359

well jake you and i will be there as

972

00:38:42,950 --> 00:38:39,839

hosts as hosts and also recording a

973

00:38:45,670 --> 00:38:42,960

podcast a podcast right and we've got

974

00:38:47,670 --> 00:38:45,680

john cook from skepticalscience.com well

975

00:38:49,750 --> 00:38:47,680

we've got theo clark who does hunting

976  
00:38:52,310 --> 00:38:49,760  
humber podcast and also the skeptic's

977  
00:38:53,670 --> 00:38:52,320  
field guide that is amazing and loretta

978  
00:38:56,069 --> 00:38:53,680  
maron from friends of science and

979  
00:38:58,230 --> 00:38:56,079  
medicine that is fantastic and if all of

980  
00:39:00,630 --> 00:38:58,240  
that sounded too amazing we have a whole

981  
00:39:03,109 --> 00:39:00,640  
host of local skeptics from the brisbane

982  
00:39:04,870 --> 00:39:03,119  
area so if i call now do i also get a

983  
00:39:07,030 --> 00:39:04,880  
free set of steak knives well i would be

984  
00:39:09,589 --> 00:39:07,040  
quite skeptical of that claim jake

985  
00:39:11,310 --> 00:39:09,599  
so how can i find out more about brisket

986  
00:39:12,950 --> 00:39:11,320  
care you can go to

987  
00:39:15,670 --> 00:39:12,960  
brisketcamp.org that was an

988  
00:39:17,750 --> 00:39:15,680

advantageously made web domain name i

989

00:39:21,430 --> 00:39:17,760

dare say yes and when is bridge

990

00:39:23,670 --> 00:39:21,440

skepticam july 19th this year so july

991

00:39:25,670 --> 00:39:23,680

19th this year and it's free it's

992

00:39:27,670 --> 00:39:25,680

completely free completely free yeah

993

00:39:30,390 --> 00:39:27,680

with a free set of steak knives as well

994

00:39:31,390 --> 00:39:30,400

i would continue to be skeptical

995

00:39:43,270 --> 00:39:31,400

so go to

996

00:39:47,349 --> 00:39:45,910

what we want is some more evidence

997

00:39:54,310 --> 00:39:47,359

please

998

00:39:54,320 --> 00:40:00,390

hello this is joe alabaster

999

00:40:04,630 --> 00:40:02,390

well up here in the blue mountains it's

1000

00:40:06,790 --> 00:40:04,640

incredibly cold this week

1001  
00:40:08,550 --> 00:40:06,800  
a friend of mine is sheepy who's been

1002  
00:40:09,750 --> 00:40:08,560  
interviewed at skepta camp on skeptic

1003  
00:40:11,430 --> 00:40:09,760  
zone before

1004  
00:40:14,109 --> 00:40:11,440  
pointed me towards a rather amusing

1005  
00:40:16,390 --> 00:40:14,119  
website a couple of days ago

1006  
00:40:18,069 --> 00:40:16,400  
homeaway.com which contains travel

1007  
00:40:19,349 --> 00:40:18,079  
guides for holiday destinations in

1008  
00:40:20,950 --> 00:40:19,359  
australia

1009  
00:40:23,750 --> 00:40:20,960  
the page that i had a bit of a giggle

1010  
00:40:26,230 --> 00:40:23,760  
over is about blue mountain skiing in

1011  
00:40:27,750 --> 00:40:26,240  
which they claim that quote

1012  
00:40:29,430 --> 00:40:27,760  
the blue mountains are filled with

1013  
00:40:31,349 --> 00:40:29,440

dozens of winding trails that are

1014

00:40:33,190 --> 00:40:31,359

perfect for cross-country skiers who are

1015

00:40:36,470 --> 00:40:33,200

looking to experience the breathtaking

1016

00:40:38,310 --> 00:40:36,480

views of the sydney basin end quote

1017

00:40:40,870 --> 00:40:38,320

while it's true that we do have many

1018

00:40:42,710 --> 00:40:40,880

rather scenic bush walks up here we also

1019

00:40:45,109 --> 00:40:42,720

only have a handful of days in which it

1020

00:40:46,870 --> 00:40:45,119

snows very lightly at that and rarely

1021

00:40:48,870 --> 00:40:46,880

below 100 meters

1022

00:40:49,910 --> 00:40:48,880

cross-country skiing is not on the cards

1023

00:40:52,630 --> 00:40:49,920

here

1024

00:40:54,230 --> 00:40:52,640

the website also states quote skiers

1025

00:40:56,390 --> 00:40:54,240

that are looking for a more thrilling

1026  
00:40:59,190 --> 00:40:56,400  
and adrenaline pumping ink experience

1027  
00:41:01,589 --> 00:40:59,200  
can enjoy engaging in downhill skiing

1028  
00:41:03,349 --> 00:41:01,599  
ski slopes in thread bow or parachute

1029  
00:41:05,589 --> 00:41:03,359  
are just a short drive away from most

1030  
00:41:07,270 --> 00:41:05,599  
accommodations in the blue mountains end

1031  
00:41:09,589 --> 00:41:07,280  
quote

1032  
00:41:11,349 --> 00:41:09,599  
short drives are relative of course

1033  
00:41:13,829 --> 00:41:11,359  
but threadbar and parachute are in the

1034  
00:41:16,309 --> 00:41:13,839  
kosciuszko national park near the border

1035  
00:41:17,910 --> 00:41:16,319  
of victoria a good six hour drive away

1036  
00:41:19,510 --> 00:41:17,920  
from the blue mountains

1037  
00:41:21,390 --> 00:41:19,520  
i fear that snow buddies headed for the

1038  
00:41:23,430 --> 00:41:21,400

blue mountains on the advice of

1039

00:41:25,030 --> 00:41:23,440

homeaway.com.iu are quite likely to be

1040

00:41:27,750 --> 00:41:25,040

disappointed

1041

00:41:30,230 --> 00:41:27,760

anyhow it's 4 degrees celsius which is

1042

00:41:31,829 --> 00:41:30,240

39 degrees fahrenheit just so those of

1043

00:41:33,270 --> 00:41:31,839

you out there who have seriously cold

1044

00:41:35,829 --> 00:41:33,280

winters can have a giggle at me for

1045

00:41:37,829 --> 00:41:35,839

finding this chili i'm all rugged up on

1046

00:41:40,230 --> 00:41:37,839

to this week's story

1047

00:41:42,150 --> 00:41:40,240

julie eric saralini and his rat studies

1048

00:41:43,750 --> 00:41:42,160

are back in the news

1049

00:41:46,630 --> 00:41:43,760

you may have heard of the paper which

1050

00:41:49,589 --> 00:41:46,640

hit headlines in september 2012 compiled

1051  
00:41:51,589 --> 00:41:49,599  
by a team led by cerrollini titled

1052  
00:41:53,430 --> 00:41:51,599  
long-term toxicity of a roundup

1053  
00:41:55,589 --> 00:41:53,440  
herbicide and a roundup tolerant

1054  
00:41:57,030 --> 00:41:55,599  
genetically modified maize

1055  
00:41:58,950 --> 00:41:57,040  
published in the journal food and

1056  
00:42:00,790 --> 00:41:58,960  
chemical toxicology

1057  
00:42:03,030 --> 00:42:00,800  
news of this study went viral with

1058  
00:42:05,109 --> 00:42:03,040  
claims that exposure to gmo corn and

1059  
00:42:07,430 --> 00:42:05,119  
roundup were shown to cause cancer in

1060  
00:42:09,829 --> 00:42:07,440  
rats accompanied by photographs of rats

1061  
00:42:12,150 --> 00:42:09,839  
with huge tumors on their bodies the

1062  
00:42:14,069 --> 00:42:12,160  
impact was substantial with widespread

1063  
00:42:16,390 --> 00:42:14,079

coverage in traditional media and high

1064

00:42:18,550 --> 00:42:16,400

levels of discussion on social media

1065

00:42:20,870 --> 00:42:18,560

and near immediately concerns over the

1066

00:42:22,870 --> 00:42:20,880

study were raised by other scientists

1067

00:42:26,230 --> 00:42:22,880

criticizing sarah lainey's experimental

1068

00:42:27,910 --> 00:42:26,240

design analysis and presentation of data

1069

00:42:30,550 --> 00:42:27,920

potential bias and the way that the

1070

00:42:32,790 --> 00:42:30,560

paper was publicized to the media first

1071

00:42:35,349 --> 00:42:32,800

up the experimental design

1072

00:42:37,589 --> 00:42:35,359

cerelini and his cohorts used sprague

1073

00:42:39,430 --> 00:42:37,599

dawley rats in their studies a line of

1074

00:42:41,190 --> 00:42:39,440

laboratory rats which are highly prone

1075

00:42:43,589 --> 00:42:41,200

to spontaneously occurring tumor

1076  
00:42:45,349 --> 00:42:43,599  
development in particular as they age

1077  
00:42:47,349 --> 00:42:45,359  
under normal conditions

1078  
00:42:49,190 --> 00:42:47,359  
the lifespan of a spraguedale rat is

1079  
00:42:51,109 --> 00:42:49,200  
approximately two years and the

1080  
00:42:52,150 --> 00:42:51,119  
experiment lasted the lifetime of the

1081  
00:42:53,670 --> 00:42:52,160  
rats

1082  
00:42:55,430 --> 00:42:53,680  
studies have shown that the natural

1083  
00:42:57,750 --> 00:42:55,440  
tendency of spragued oily rats to

1084  
00:43:02,870 --> 00:42:57,760  
develop tumors over their lifetimes are

1085  
00:43:05,349 --> 00:43:02,880  
70 to 77 for male rats and 87 to 96

1086  
00:43:07,349 --> 00:43:05,359  
female rats as such to conduct an

1087  
00:43:09,109 --> 00:43:07,359  
experiment with enough statistical power

1088  
00:43:10,710 --> 00:43:09,119

to determine whether there was a higher

1089

00:43:12,630 --> 00:43:10,720

rate of tumors in the test group

1090

00:43:16,230 --> 00:43:12,640

compared to the control group at least

1091

00:43:18,710 --> 00:43:16,240

65 rats per group should have been used

1092

00:43:21,589 --> 00:43:18,720

in a highly criticized move cerellini

1093

00:43:22,390 --> 00:43:21,599

and his cohorts chose to use 10 rats per

1094

00:43:23,829 --> 00:43:22,400

group

1095

00:43:25,750 --> 00:43:23,839

additionally they didn't blind the

1096

00:43:27,430 --> 00:43:25,760

experiment nor that they determined the

1097

00:43:29,829 --> 00:43:27,440

cause of death of rats in the control

1098

00:43:31,910 --> 00:43:29,839

group this introduced bias as the

1099

00:43:33,829 --> 00:43:31,920

control and experimental groups of rats

1100

00:43:35,829 --> 00:43:33,839

were treated differently

1101

00:43:38,069 --> 00:43:35,839

information was not provided as to how

1102

00:43:40,150 --> 00:43:38,079

much the rats were fed nor whether there

1103

00:43:42,150 --> 00:43:40,160

was fungus present in the feed

1104

00:43:43,990 --> 00:43:42,160

overfeeding female rats and the presence

1105

00:43:45,430 --> 00:43:44,000

of fungus can also lead to increased

1106

00:43:47,430 --> 00:43:45,440

tumor growth

1107

00:43:48,950 --> 00:43:47,440

in fact the raw data for the study was

1108

00:43:50,630 --> 00:43:48,960

not provided at all

1109

00:43:53,190 --> 00:43:50,640

some contend that this constitutes

1110

00:43:54,950 --> 00:43:53,200

scientific misconduct

1111

00:43:56,470 --> 00:43:54,960

i've only touched the surface and i

1112

00:43:58,550 --> 00:43:56,480

should note that while i spend a lot of

1113

00:44:00,230 --> 00:43:58,560

time learning about scientific processes

1114

00:44:02,230 --> 00:44:00,240

i am presenting the analysis of an

1115

00:44:03,750 --> 00:44:02,240

undergrad here for expert detailed

1116

00:44:05,990 --> 00:44:03,760

analysis and criticism of the

1117

00:44:07,750 --> 00:44:06,000

experimental design visit genetic

1118

00:44:10,390 --> 00:44:07,760

literacy projects website at

1119

00:44:12,230 --> 00:44:10,400

geneticliteracyproject.org

1120

00:44:14,390 --> 00:44:12,240

in another questionable move the

1121

00:44:16,309 --> 00:44:14,400

cerellani team decided to publicize

1122

00:44:17,270 --> 00:44:16,319

their paper in a rather unconventional

1123

00:44:18,870 --> 00:44:17,280

manner

1124

00:44:20,710 --> 00:44:18,880

a select group of journalists were

1125

00:44:22,550 --> 00:44:20,720

presented with access to the paper on

1126

00:44:24,630 --> 00:44:22,560

the proviso that they would sign

1127

00:44:27,510 --> 00:44:24,640

confidentiality agreements with

1128

00:44:29,510 --> 00:44:27,520

penalties including quote a refund of

1129

00:44:31,829 --> 00:44:29,520

the cost of the study of several million

1130

00:44:33,510 --> 00:44:31,839

euros would be considered damages if the

1131

00:44:35,990 --> 00:44:33,520

premature disclosure questioned the

1132

00:44:37,349 --> 00:44:36,000

release of the study end quote

1133

00:44:38,950 --> 00:44:37,359

journalists who signed the agreement

1134

00:44:40,710 --> 00:44:38,960

were prevented from contacting other

1135

00:44:43,190 --> 00:44:40,720

scientists for comment on the paper

1136

00:44:44,710 --> 00:44:43,200

until the embargo had expired

1137

00:44:46,950 --> 00:44:44,720

it disappoints me greatly that

1138

00:44:48,710 --> 00:44:46,960

journalists would accept such terms not

1139

00:44:51,510 --> 00:44:48,720

to mention that any scientist would try

1140

00:44:53,030 --> 00:44:51,520

to enforce them independent analysis is

1141

00:44:55,270 --> 00:44:53,040

essential to presenting anything

1142

00:44:56,950 --> 00:44:55,280

approaching an objective report let

1143

00:44:59,430 --> 00:44:56,960

alone advancing our body of knowledge

1144

00:45:01,109 --> 00:44:59,440

itself and the initial media reports on

1145

00:45:03,270 --> 00:45:01,119

the paper were lacking criticism that

1146

00:45:05,270 --> 00:45:03,280

the study very much deserved

1147

00:45:07,589 --> 00:45:05,280

this lack of criticism however didn't

1148

00:45:09,510 --> 00:45:07,599

last for long

1149

00:45:11,510 --> 00:45:09,520

questions remain as to how this paper

1150

00:45:14,069 --> 00:45:11,520

made it through peer review but by

1151  
00:45:15,990 --> 00:45:14,079  
november 2013 criticism of the paper

1152  
00:45:18,150 --> 00:45:16,000  
prompted the editor of the journal food

1153  
00:45:20,710 --> 00:45:18,160  
and chemical toxicology to review the

1154  
00:45:22,870 --> 00:45:20,720  
paper including the raw data and then

1155  
00:45:24,710 --> 00:45:22,880  
retract it after cerellini at all

1156  
00:45:26,630 --> 00:45:24,720  
refused to withdraw

1157  
00:45:29,270 --> 00:45:26,640  
unfortunately as we've observed in the

1158  
00:45:32,230 --> 00:45:29,280  
case of andrew wakefield even retracted

1159  
00:45:34,470 --> 00:45:32,240  
papers can cause harm

1160  
00:45:36,950 --> 00:45:34,480  
kenya a nation which experiences

1161  
00:45:39,349 --> 00:45:36,960  
troubles with food insecurity rushed to

1162  
00:45:41,910 --> 00:45:39,359  
ban the importation of gmo siege shortly

1163  
00:45:43,910 --> 00:45:41,920

after the cerellini paper was released

1164

00:45:47,030 --> 00:45:43,920

as a result investors have moved away

1165

00:45:48,870 --> 00:45:47,040

from kenya causing economic impacts

1166

00:45:50,790 --> 00:45:48,880

kenyan scientists and governors are

1167

00:45:52,950 --> 00:45:50,800

currently lobbying their biotechnology

1168

00:45:56,069 --> 00:45:52,960

task force to lift the hastily placed

1169

00:45:58,069 --> 00:45:56,079

gmo ban before it causes further damage

1170

00:46:00,470 --> 00:45:58,079

kenya council of governors chairman for

1171

00:46:02,790 --> 00:46:00,480

health and biotechnology jack runguma is

1172

00:46:05,430 --> 00:46:02,800

quoted in the standard kenya as saying

1173

00:46:07,270 --> 00:46:05,440

quote this ban on gmos was rushed and

1174

00:46:09,109 --> 00:46:07,280

not based on facts

1175

00:46:10,950 --> 00:46:09,119

forming the task force was a waste of

1176

00:46:13,190 --> 00:46:10,960

time as there is nothing wrong with the

1177

00:46:15,430 --> 00:46:13,200

products growing economies are using the

1178

00:46:18,950 --> 00:46:15,440

biotechnology and their lifespans are

1179

00:46:21,190 --> 00:46:18,960

far above ours end quote

1180

00:46:23,349 --> 00:46:21,200

closer to home those cerelini bratmains

1181

00:46:25,109 --> 00:46:23,359

and links to unreliable uncritical

1182

00:46:28,150 --> 00:46:25,119

reports supporting sarah lenny's

1183

00:46:29,829 --> 00:46:28,160

suppositions keep circulating online i

1184

00:46:30,630 --> 00:46:29,839

tend to see them come up at least once a

1185

00:46:32,069 --> 00:46:30,640

day

1186

00:46:34,230 --> 00:46:32,079

and to somebody who hasn't read the

1187

00:46:36,630 --> 00:46:34,240

criticism the images of those rats can

1188

00:46:38,870 --> 00:46:36,640

be quite alarming i see them not only

1189

00:46:41,589 --> 00:46:38,880

shared by those who do so to support an

1190

00:46:43,510 --> 00:46:41,599

established anti-gmo stance but also by

1191

00:46:45,270 --> 00:46:43,520

people who are undecided on the issue

1192

00:46:46,950 --> 00:46:45,280

but highly concerned by the claim that

1193

00:46:49,109 --> 00:46:46,960

products that people are ingesting are

1194

00:46:50,390 --> 00:46:49,119

causing rats to develop huge tumors on

1195

00:46:52,150 --> 00:46:50,400

their bodies

1196

00:46:54,950 --> 00:46:52,160

the image is a very effective one in

1197

00:46:56,710 --> 00:46:54,960

provoking an emotional response

1198

00:46:58,790 --> 00:46:56,720

now fast forwarding to this week

1199

00:47:01,270 --> 00:46:58,800

cerelini's claims are experiencing a

1200

00:47:03,589 --> 00:47:01,280

resurgence in attention as a new paper

1201  
00:47:06,230 --> 00:47:03,599  
has been published one which bears an

1202  
00:47:07,829 --> 00:47:06,240  
uncanny resemblance to the old paper

1203  
00:47:10,150 --> 00:47:07,839  
this time it's been published in a

1204  
00:47:13,190 --> 00:47:10,160  
relatively new to you to have an impact

1205  
00:47:14,630 --> 00:47:13,200  
factor open access journal environmental

1206  
00:47:17,589 --> 00:47:14,640  
sciences europe

1207  
00:47:19,670 --> 00:47:17,599  
now titled republish study long-term

1208  
00:47:21,670 --> 00:47:19,680  
toxicity of a roundup herbicide and

1209  
00:47:22,870 --> 00:47:21,680  
roundup tolerant genetically modified

1210  
00:47:24,790 --> 00:47:22,880  
maze

1211  
00:47:26,710 --> 00:47:24,800  
the abstract has changed somewhat but

1212  
00:47:29,750 --> 00:47:26,720  
the results remain the same and the same

1213  
00:47:32,950 --> 00:47:29,760

flawed experimental data has been used

1214

00:47:35,109 --> 00:47:32,960

small sample sizes tumor-prone rats

1215

00:47:37,270 --> 00:47:35,119

and again an embargo was placed on

1216

00:47:39,589 --> 00:47:37,280

journalists the name of the journal was

1217

00:47:41,829 --> 00:47:39,599

withheld until publication

1218

00:47:45,030 --> 00:47:41,839

cerellani told website retraction watch

1219

00:47:47,750 --> 00:47:45,040

that this was to prevent gmo and roundup

1220

00:47:50,150 --> 00:47:47,760

maker monsanto from pressuring editors

1221

00:47:52,230 --> 00:47:50,160

to revoke publication

1222

00:47:54,309 --> 00:47:52,240

another questionable point potential

1223

00:47:56,790 --> 00:47:54,319

competing interests that perhaps should

1224

00:47:58,790 --> 00:47:56,800

have been made public by cerrollane

1225

00:48:00,870 --> 00:47:58,800

cerellini himself has released a book

1226

00:48:02,390 --> 00:48:00,880

and a film about his research

1227

00:48:04,630 --> 00:48:02,400

it's also worth disclosing that

1228

00:48:06,630 --> 00:48:04,640

cerrollini as well as being a professor

1229

00:48:08,630 --> 00:48:06,640

of molecular biology at the university

1230

00:48:10,710 --> 00:48:08,640

of kane is the chairman of the

1231

00:48:12,790 --> 00:48:10,720

scientific council for the french

1232

00:48:15,510 --> 00:48:12,800

committee of independent research and

1233

00:48:17,430 --> 00:48:15,520

information on genetic engineering a

1234

00:48:19,109 --> 00:48:17,440

group who claimed to present independent

1235

00:48:20,470 --> 00:48:19,119

investigations into the safety of

1236

00:48:22,470 --> 00:48:20,480

biotechnology

1237

00:48:25,190 --> 00:48:22,480

but only seem to prevent overwhelmingly

1238

00:48:27,030 --> 00:48:25,200

negative conclusions

1239

00:48:29,109 --> 00:48:27,040

it's rather amazing that one poorly

1240

00:48:31,190 --> 00:48:29,119

designed and very likely biased paper

1241

00:48:32,710 --> 00:48:31,200

published twice has gained so much

1242

00:48:34,069 --> 00:48:32,720

attention

1243

00:48:36,390 --> 00:48:34,079

while i've acknowledged the harm that

1244

00:48:37,990 --> 00:48:36,400

the cerellini papers have caused i'd also

1245

00:48:40,470 --> 00:48:38,000

like to mention a couple of positives

1246

00:48:42,549 --> 00:48:40,480

here the cerellini affair highlights the

1247

00:48:45,190 --> 00:48:42,559

mechanisms by which poor science can be

1248

00:48:47,109 --> 00:48:45,200

conducted published and publicized

1249

00:48:49,030 --> 00:48:47,119

it encourages those who are interested

1250

00:48:51,349 --> 00:48:49,040

to learn about how critical analysis can

1251

00:48:53,030 --> 00:48:51,359

be applied to studies and it can also

1252

00:48:55,430 --> 00:48:53,040

serve as a reminder of what new york

1253

00:48:57,829 --> 00:48:55,440

times writer andrew revkin has dubbed

1254

00:49:01,349 --> 00:48:57,839

single study syndrome

1255

00:49:03,109 --> 00:49:01,359

should all be aware of when reading news

1256

00:49:04,230 --> 00:49:03,119

about developments in scientific

1257

00:49:05,750 --> 00:49:04,240

knowledge

1258

00:49:07,910 --> 00:49:05,760

it's a mechanism which can trigger

1259

00:49:08,950 --> 00:49:07,920

confirmation bias and is strongly

1260

00:49:11,190 --> 00:49:08,960

related

1261

00:49:13,030 --> 00:49:11,200

a new study is released which implants a

1262

00:49:15,190 --> 00:49:13,040

belief suspicion or assumption which

1263

00:49:16,790 --> 00:49:15,200

people carry this study is perceived to

1264

00:49:18,630 --> 00:49:16,800

have more weight than a single study

1265

00:49:21,430 --> 00:49:18,640

should and its findings to trump the

1266

00:49:23,270 --> 00:49:21,440

body of evidence which came before it

1267

00:49:25,190 --> 00:49:23,280

unfortunately journalists don't always

1268

00:49:27,270 --> 00:49:25,200

present new studies within a realistic

1269

00:49:29,589 --> 00:49:27,280

perspective particularly when they sound

1270

00:49:31,589 --> 00:49:29,599

somewhat sensationalistic

1271

00:49:33,990 --> 00:49:31,599

until a study is subjected to post-peer

1272

00:49:35,750 --> 00:49:34,000

review and replicated adequately a

1273

00:49:37,270 --> 00:49:35,760

single study shouldn't be cherry-picked

1274

00:49:39,349 --> 00:49:37,280

and given more credence than all

1275

00:49:41,510 --> 00:49:39,359

knowledge which came before it even if

1276

00:49:43,829 --> 00:49:41,520

it backs up positions which we in our

1277

00:49:56,710 --> 00:49:43,839

biased human states are open to holding

1278

00:50:00,150 --> 00:49:57,670

but

1279

00:50:02,390 --> 00:50:00,160

is an award-winning weekly science show

1280

00:50:03,910 --> 00:50:02,400

in french hosted by a bunch of crazy

1281

00:50:06,390 --> 00:50:03,920

enthusiasts

1282

00:50:08,710 --> 00:50:06,400

we are convinced that the greatest ideas

1283

00:50:10,790 --> 00:50:08,720

in science are quite easy to grasp as

1284

00:50:13,349 --> 00:50:10,800

long as they are presented with passion

1285

00:50:15,829 --> 00:50:13,359

using a vocabulary common to all curious

1286

00:50:17,109 --> 00:50:15,839

minds whatever their academic background

1287

00:50:19,190 --> 00:50:17,119

if any

1288

00:50:20,470 --> 00:50:19,200

we don't understand french yet well it's

1289

00:50:22,069 --> 00:50:20,480

never too late

1290

00:50:23,910 --> 00:50:22,079

all our stories have a written

1291

00:50:26,069 --> 00:50:23,920

transcript on the website and people

1292

00:50:28,710 --> 00:50:26,079

from all around the world are using our

1293

00:50:31,349 --> 00:50:28,720

content to learn malia's language

1294

00:50:34,030 --> 00:50:31,359

our topics range from zero to infinity

1295

00:50:35,829 --> 00:50:34,040

from evolution to artificial life from

1296

00:50:37,109 --> 00:50:35,839

electromagnetism to the science of

1297

00:50:39,589 --> 00:50:37,119

introverts

1298

00:50:43,190 --> 00:50:39,599

we just love mathematics science

1299

00:50:44,870 --> 00:50:43,200

critical thinking so do you want to join

1300

00:50:46,670 --> 00:50:44,880

you can subscribe to the podcast for

1301  
00:50:49,430 --> 00:50:46,680  
free from our website

1302  
00:50:52,150 --> 00:50:49,440  
podcastscience.fm that's in one word you

1303  
00:50:54,870 --> 00:50:52,160  
also find us on itunes and soundcloud

1304  
00:51:11,829 --> 00:50:54,880  
see you soon hopefully at

1305  
00:51:14,790 --> 00:51:13,430  
thank you for listening to the skeptic

1306  
00:51:17,109 --> 00:51:14,800  
zone and thank you

1307  
00:51:18,710 --> 00:51:17,119  
for your patience for the introduction

1308  
00:51:20,150 --> 00:51:18,720  
where i waffled on a lot about the

1309  
00:51:22,470 --> 00:51:20,160  
upcoming australian skeptics national

1310  
00:51:24,150 --> 00:51:22,480  
convention my personal documentary the

1311  
00:51:25,670 --> 00:51:24,160  
vaccination chronicles and whatever i

1312  
00:51:29,190 --> 00:51:25,680  
waffled on about

1313  
00:51:30,950 --> 00:51:29,200

but hell it's my show so there you go

1314

00:51:31,910 --> 00:51:30,960

and for those people who keep writing to

1315

00:51:38,309 --> 00:51:31,920

me

1316

00:51:40,309 --> 00:51:38,319

everybody ten sided

1317

00:51:42,230 --> 00:51:40,319

put your psychic powers to the test

1318

00:51:44,150 --> 00:51:42,240

think of a number now

1319

00:51:46,390 --> 00:51:44,160

from

1320

00:51:48,230 --> 00:51:46,400

one to ten one two three four five six

1321

00:51:49,670 --> 00:51:48,240

seven eight nine or ten

1322

00:51:51,190 --> 00:51:49,680

use your psychic powers predict the

1323

00:51:56,069 --> 00:51:51,200

future i'm about to roll the dice here

1324

00:51:56,079 --> 00:51:58,549

10.

1325

00:52:06,309 --> 00:52:01,670

you want to try for a two

1326

00:52:11,589 --> 00:52:07,589

six

1327

00:52:13,670 --> 00:52:11,599

buy yourself

1328

00:52:15,109 --> 00:52:13,680

an ice cream

1329

00:52:17,750 --> 00:52:15,119

while you're buying yourself an ice

1330

00:52:19,589 --> 00:52:17,760

cream i'm going to start packing my bags

1331

00:52:21,030 --> 00:52:19,599

for my trip to california where i'm

1332

00:52:22,870 --> 00:52:21,040

spending a little bit of time before

1333

00:52:24,870 --> 00:52:22,880

flying out to las vegas to see all my

1334

00:52:27,109 --> 00:52:24,880

friends at the amazing meeting if you're

1335

00:52:28,230 --> 00:52:27,119

not coming to the amazing meeting

1336

00:52:29,910 --> 00:52:28,240

oh

1337

00:52:31,430 --> 00:52:29,920

and uh i hope

1338

00:52:32,790 --> 00:52:31,440

i'll take a leaf out of maynard's book

1339

00:52:35,030 --> 00:52:32,800

while i'm there and i hope i can get

1340

00:52:37,349 --> 00:52:35,040

lots of wonderful interviews for your

1341

00:52:41,109 --> 00:52:37,359

enjoyment over the coming months on the

1342

00:52:43,190 --> 00:52:41,119

skeptic zone and uh wow it's not very

1343

00:52:44,710 --> 00:52:43,200

long now only a couple of weeks or so

1344

00:52:47,430 --> 00:52:44,720

before the big

1345

00:52:49,430 --> 00:52:47,440

episode number 300

1346

00:52:50,950 --> 00:52:49,440

and before i go

1347

00:52:53,270 --> 00:52:50,960

thank you to all those people who do

1348

00:52:56,309 --> 00:52:53,280

chip into the skeptic zone via micro

1349

00:52:58,790 --> 00:52:56,319

payments on paypal at skepticzone.tv

1350

00:53:00,870 --> 00:52:58,800

without your support over the last

1351  
00:53:02,630 --> 00:53:00,880  
six years

1352  
00:53:05,270 --> 00:53:02,640  
good grief

1353  
00:53:07,270 --> 00:53:05,280  
can that be right one two eight nine ten

1354  
00:53:09,910 --> 00:53:07,280  
eleven twenty six years

1355  
00:53:11,990 --> 00:53:09,920  
the skeptic zone simply would not have

1356  
00:53:13,910 --> 00:53:12,000  
lasted this long

1357  
00:53:15,910 --> 00:53:13,920  
i better get all nostalgic in a couple

1358  
00:53:17,750 --> 00:53:15,920  
of weeks for episode 300 i'll do that

1359  
00:53:19,910 --> 00:53:17,760  
with stefan soyka the uh part-time

1360  
00:53:20,790 --> 00:53:19,920  
co-host

1361  
00:53:23,030 --> 00:53:20,800  
ah

1362  
00:53:24,790 --> 00:53:23,040  
okay you can all go to bed now

1363  
00:53:31,270 --> 00:53:24,800

this is richard saunders

1364

00:53:34,470 --> 00:53:32,870

you've been listening to the skeptic

1365

00:53:39,270 --> 00:53:34,480

zone