

The Skeptic Zone

Show 211 - 3 Nov 2012



1
00:00:14,600 --> 00:00:08,410
hello Siri hello there Richard play

2
00:00:16,670 --> 00:00:14,610
skepta by Brian Dunning sorry i couldn't

3
00:00:21,320 --> 00:00:16,680
find scaphoid by Brian Dunning in your

4
00:00:26,450 --> 00:00:21,330
music not scaphoid please play skip

5
00:00:28,490 --> 00:00:26,460
toyed by Brian Dunning sorry i couldn't

6
00:00:33,580 --> 00:00:28,500
find skip corrine by Brian Dunning in

7
00:00:39,020 --> 00:00:33,590
your music theory it's a podcast play

8
00:00:42,770 --> 00:00:39,030
skep tied by Brian Dunning I don't see

9
00:00:46,479 --> 00:00:42,780
any broadcast snatching serious say Siri

10
00:00:49,100 --> 00:00:46,489
play skip toyed by Brian Dunning I

11
00:00:53,270 --> 00:00:49,110
couldn't find skip Lee by Brian Dunning

12
00:00:57,500 --> 00:00:53,280
in your music play skep tied by Brian

13
00:01:01,310 --> 00:00:57,510

Dunning sorry i couldn't find sleep

14

00:01:06,469 --> 00:01:01,320

morning and your music please play skip

15

00:01:10,640 --> 00:01:06,479

toyed by Brian Dunning I couldn't find

16

00:01:15,740 --> 00:01:10,650

schizoid in your music sri play skep

17

00:01:18,700 --> 00:01:15,750

tied by Brian Dunning I couldn't find

18

00:01:25,190 --> 00:01:18,710

slipway by mind-numbing in your music

19

00:01:33,180 --> 00:01:25,200

damn it Siri played the skeptic zone now

20

00:01:49,800 --> 00:01:36,330

welcome to the skeptic zone the podcast

21

00:01:55,809 --> 00:01:52,389

hello and welcome to the skeptic zone

22

00:01:58,600 --> 00:01:55,819

episode number 211 for the third of

23

00:02:00,370 --> 00:01:58,610

November 2012 Richard Saunders here with

24

00:02:03,010 --> 00:02:00,380

you from wonderful glorious beautiful

25

00:02:05,469 --> 00:02:03,020

Southern California where I'm visiting

26
00:02:08,199 --> 00:02:05,479
my good friend Brian Dunning now believe

27
00:02:10,719 --> 00:02:08,209
it or not I am sitting in the Skip tied

28
00:02:13,509 --> 00:02:10,729
studio using the Skip toyed microphone

29
00:02:15,759 --> 00:02:13,519
to record this episode of the skeptics

30
00:02:18,039 --> 00:02:15,769
and what a great crossover folks on this

31
00:02:20,710 --> 00:02:18,049
week's show we kick off with a chat with

32
00:02:23,500 --> 00:02:20,720
teacher science teacher Erin Kelley

33
00:02:25,750 --> 00:02:23,510
Stephens from will c wood high school in

34
00:02:27,789 --> 00:02:25,760
vacaville in california he kindly

35
00:02:30,280 --> 00:02:27,799
invited me to go and speak to some of

36
00:02:32,770 --> 00:02:30,290
his students take some classes and do

37
00:02:34,630 --> 00:02:32,780
the mystery investigators show so I chat

38
00:02:37,270 --> 00:02:34,640

with him and then I have a little talk

39

00:02:40,180 --> 00:02:37,280

with some of his students following that

40

00:02:42,490 --> 00:02:40,190

it's mad Maynard once again not a term

41

00:02:46,120 --> 00:02:42,500

this time but at the shonky Awards the

42

00:02:48,699 --> 00:02:46,130

2012 shonky awards from choice magazine

43

00:02:50,220 --> 00:02:48,709

an hour keen interest The Skeptical keen

44

00:02:52,750 --> 00:02:50,230

interest in the shonky Awards this year

45

00:02:56,009 --> 00:02:52,760

was that they awarded one of their

46

00:02:59,830 --> 00:02:56,019

sharkys to nature's way kids smart

47

00:03:02,379 --> 00:02:59,840

natural medicines homeopathic range and

48

00:03:04,839 --> 00:03:02,389

to quote their press release shonky

49

00:03:07,870 --> 00:03:04,849

loves homeopathy the idea of selling

50

00:03:09,640 --> 00:03:07,880

water for upwards of 1,000 dollars per

51
00:03:12,250 --> 00:03:09,650
liter and claiming it's medicine

52
00:03:15,099 --> 00:03:12,260
represents the very essence of shock

53
00:03:17,229 --> 00:03:15,109
enos but convincing anxious or desperate

54
00:03:19,210 --> 00:03:17,239
parents they can use it to treat their

55
00:03:22,449 --> 00:03:19,220
children's ailment takes it to a whole

56
00:03:24,789 --> 00:03:22,459
new level may nod catches up with the

57
00:03:29,020 --> 00:03:24,799
host of the show keys Julian morrow

58
00:03:31,900 --> 00:03:29,030
funny guy and choices own Ingrid used to

59
00:03:34,659 --> 00:03:31,910
tell us more about the shonky for

60
00:03:38,080 --> 00:03:34,669
homeopathic medicine about time

61
00:03:40,539 --> 00:03:38,090
homeopathy was labeled a shock and to

62
00:03:43,599 --> 00:03:40,549
round off the show it's back to the hot

63
00:03:46,150 --> 00:03:43,609

tub of truth Brian Dunning zone hot tub

64

00:03:49,149 --> 00:03:46,160

with Brian Dunning Lisa Dunning Erica

65

00:03:51,759 --> 00:03:49,159

Dunning Rachel bloom John rail Jenn

66

00:03:53,710 --> 00:03:51,769

brown and our very own penny for your

67

00:03:55,650 --> 00:03:53,720

thoughts penny channel

68

00:03:58,570 --> 00:03:55,660

into the hot tub and chat about

69

00:04:00,100 --> 00:03:58,580

skeptical things well that's enough for

70

00:04:03,910 --> 00:04:00,110

me I can't wait to get into this week's

71

00:04:06,550 --> 00:04:03,920

show so while I run downstairs and raid

72

00:04:09,430 --> 00:04:06,560

Brian Dunning's fridge to find some

73

00:04:31,760 --> 00:04:09,440

bacon and eggs I'll let you enjoy the

74

00:04:31,770 --> 00:04:50,939

you

75

00:04:56,110 --> 00:04:53,620

well here i am in wonderful glorious

76

00:04:59,320 --> 00:04:56,120

vacaville in california and we'll see

77

00:05:02,379 --> 00:04:59,330

Boonen I school go cats yes Wow gasps go

78

00:05:04,150 --> 00:05:02,389

in go cats and I'm here with a very good

79

00:05:07,210 --> 00:05:04,160

friend of mine Erin Kelley Stephens

80

00:05:10,090 --> 00:05:07,220

hello hello Richard erryday I'm doing so

81

00:05:11,950 --> 00:05:10,100

well I'm so glad be here at the high

82

00:05:13,840 --> 00:05:11,960

school and women in a sort of a very

83

00:05:16,120 --> 00:05:13,850

interesting back area behind all the

84

00:05:18,100 --> 00:05:16,130

classrooms there's some generators

85

00:05:19,990 --> 00:05:18,110

wearing in the background obviously

86

00:05:22,740 --> 00:05:20,000

doing some side seams on the stuff I

87

00:05:24,790 --> 00:05:22,750

presume yes as our science prep area and

88

00:05:26,800 --> 00:05:24,800

we've been lucky to get this building

89

00:05:28,600 --> 00:05:26,810

our prior building I think the entire

90

00:05:30,610 --> 00:05:28,610

building actually took a blessed base

91

00:05:32,230 --> 00:05:30,620

than our prep area now does in our new

92

00:05:34,150 --> 00:05:32,240

building so it's pretty fantastic we

93

00:05:35,830 --> 00:05:34,160

like it back here this is a nice area of

94

00:05:38,920 --> 00:05:35,840

your teachers aren't we're sitting at a

95

00:05:40,270 --> 00:05:38,930

huge table this is a judge as one of the

96

00:05:42,939 --> 00:05:40,280

biggest tables I've ever seen and

97

00:05:44,350 --> 00:05:42,949

there's cameras below it storage even

98

00:05:45,939 --> 00:05:44,360

better there's a white board over there

99

00:05:48,370 --> 00:05:45,949

and this looks like something out of a

100

00:05:51,719 --> 00:05:48,380

James Bond movie this this is a the last

101
00:05:54,100 --> 00:05:51,729
time I saw something like this it's like

102
00:05:55,899 --> 00:05:54,110
you can do experiments in there put your

103
00:05:57,399 --> 00:05:55,909
arms in all the fumes get desk it's a

104
00:05:59,439 --> 00:05:57,409
feel of it that's exactly what it is

105
00:06:00,640 --> 00:05:59,449
yeah so our science our chemistry

106
00:06:03,070 --> 00:06:00,650
teachers don't pass out when they're

107
00:06:04,480 --> 00:06:03,080
burned experiments for the kids yet the

108
00:06:06,640 --> 00:06:04,490
last time I saw something like that was

109
00:06:07,990 --> 00:06:06,650
a dr. ray cheese lab now I was visiting

110
00:06:10,450 --> 00:06:08,000
dr. Reggie at her lab one day and she

111
00:06:12,760 --> 00:06:10,460
was showing me Wow quite honestly I

112
00:06:14,710 --> 00:06:12,770
don't use it much I guess I could crawl

113
00:06:16,180 --> 00:06:14,720

in there take a nice clean air nap but

114

00:06:18,189 --> 00:06:16,190

that would be all I'd use it for a for

115

00:06:20,050 --> 00:06:18,199

biology it's quite big you'd almost food

116

00:06:23,110 --> 00:06:20,060

in there I think I'm quite small so i

117

00:06:25,659 --> 00:06:23,120

think i did now i'm so happy to be here

118

00:06:28,029 --> 00:06:25,669

you kindly invited me here today to give

119

00:06:30,790 --> 00:06:28,039

a talk to your some of your students in

120

00:06:32,860 --> 00:06:30,800

fact i'm going to be speaking to two

121

00:06:34,659 --> 00:06:32,870

classes one or two classes to Class B

122

00:06:36,430 --> 00:06:34,669

oats and then your presentation in the

123

00:06:37,960 --> 00:06:36,440

library after school yeah and I'm doing

124

00:06:40,089 --> 00:06:37,970

sort of my half of the mystery

125

00:06:41,710 --> 00:06:40,099

investigators program I sort of winging

126

00:06:44,290 --> 00:06:41,720

up a little bit it's a normally a

127

00:06:45,969 --> 00:06:44,300

two-person show I do it was dr. HC or my

128

00:06:48,189 --> 00:06:45,979

good friend Ian Bryce we take they take

129

00:06:49,450 --> 00:06:48,199

turns but I can sort of get by and we're

130

00:06:51,490 --> 00:06:49,460

going to do water divining and we're

131

00:06:54,520 --> 00:06:51,500

going to do memory tests and peridot

132

00:06:55,959 --> 00:06:54,530

Leah I don't remember because I was I

133

00:06:58,870 --> 00:06:55,969

did this here a couple years ago

134

00:06:59,279 --> 00:06:58,880

pareidolia where you see faces in random

135

00:07:01,439 --> 00:06:59,289

shape

136

00:07:03,600 --> 00:07:01,449

I don't know if we did that but you had

137

00:07:05,760 --> 00:07:03,610

the picture of I think one of the

138

00:07:07,649 --> 00:07:05,770

princes were his Prince of England where

139

00:07:09,510 --> 00:07:07,659

his face was that she signed up and

140

00:07:13,619 --> 00:07:09,520

upside down all that one you have a

141

00:07:16,049 --> 00:07:13,629

mother of things that would mess with

142

00:07:18,629 --> 00:07:16,059

your eyes yes optical illusions worth

143

00:07:21,299 --> 00:07:18,639

that was Prince William he's out of the

144

00:07:23,219 --> 00:07:21,309

show at the moment Chris back home I use

145

00:07:24,480 --> 00:07:23,229

our prime minister which is Julia

146

00:07:26,609 --> 00:07:24,490

Gillard which works well cuz all the

147

00:07:28,799 --> 00:07:26,619

kids know but I've put in eight how to

148

00:07:30,299 --> 00:07:28,809

his lady gaga relating it okay well I've

149

00:07:32,730 --> 00:07:30,309

done better I've put in Barack Obama

150

00:07:34,379 --> 00:07:32,740

okay so he's going to be the one who's

151

00:07:35,790 --> 00:07:34,389

face gets turned upside down in the

152

00:07:38,129 --> 00:07:35,800

presentation that I found a great

153

00:07:41,850 --> 00:07:38,139

picture President Obama huge smile and

154

00:07:43,529 --> 00:07:41,860

I've changed the smile and using it'll

155

00:07:46,019 --> 00:07:43,539

work sport for it it's got a handsome

156

00:07:48,480 --> 00:07:46,029

smile yes he does he's good he's quite

157

00:07:51,659 --> 00:07:48,490

he's quite a charismatic figure isn't he

158

00:07:54,269 --> 00:07:51,669

indeed yet and at the time of recording

159

00:07:56,549 --> 00:07:54,279

it's still neck and neck as far as I

160

00:07:58,829 --> 00:07:56,559

know as far as the media presents it

161

00:08:00,359 --> 00:07:58,839

yeah yeah it's hard to say what really

162

00:08:02,839 --> 00:08:00,369

is going on in the minds of Americans

163

00:08:05,939 --> 00:08:02,849

but as far as we hear on the news yet

164

00:08:09,299 --> 00:08:05,949

dead even although interesting i saw a

165

00:08:11,670 --> 00:08:09,309

report a few days ago where some group

166

00:08:13,469 --> 00:08:11,680

of psychics and mystics have foreseen

167

00:08:14,939 --> 00:08:13,479

that barack obama will win the

168

00:08:18,209 --> 00:08:14,949

presidential election i'm thinking to

169

00:08:20,309 --> 00:08:18,219

myself wow that's so that's it that's an

170

00:08:22,889 --> 00:08:20,319

amazing prediction isn't it well is this

171

00:08:24,059 --> 00:08:22,899

only a 50-50 chance it's not like if

172

00:08:25,409 --> 00:08:24,069

they'd have predicted what because

173

00:08:26,909 --> 00:08:25,419

they're not the only two running for

174

00:08:28,949 --> 00:08:26,919

office or just the only to anybody knows

175

00:08:30,070 --> 00:08:28,959

i don't know the other people probably

176

00:08:32,680 --> 00:08:30,080

should but

177

00:08:34,769 --> 00:08:32,690

if one of those I worked out I would be

178

00:08:38,079 --> 00:08:34,779

now that would be something right well

179

00:08:41,560 --> 00:08:38,089

today's date is the looks of my budgets

180

00:08:43,149 --> 00:08:41,570

the 29th yes of October I'll put it out

181

00:08:45,040 --> 00:08:43,159

there I'll make a bold prediction I'll

182

00:08:48,819 --> 00:08:45,050

predict the Barack Obama will win there

183

00:08:50,440 --> 00:08:48,829

you go very cool very who knows if

184

00:08:53,290 --> 00:08:50,450

that'll come true so you've been a

185

00:08:55,210 --> 00:08:53,300

science teacher here at will c wood of

186

00:08:57,759 --> 00:08:55,220

school for how about this is my 11th

187

00:08:59,970 --> 00:08:57,769

year actually so really yeah Wow as a

188

00:09:02,170 --> 00:08:59,980

bit of a frightening little story

189

00:09:03,340 --> 00:09:02,180

earlier this year I was looking at the

190

00:09:05,500 --> 00:09:03,350

list of new teachers that have been

191

00:09:08,110 --> 00:09:05,510

hired and lo and behold when my former

192

00:09:11,290 --> 00:09:08,120

students was hired as a teacher no yes i

193

00:09:13,600 --> 00:09:11,300

felt quite old in that moment granted he

194

00:09:16,269 --> 00:09:13,610

was fast track ii he got through college

195

00:09:18,190 --> 00:09:16,279

quickly and you know went straight into

196

00:09:21,190 --> 00:09:18,200

the teaching but still it made me feel

197

00:09:22,960 --> 00:09:21,200

and wow he still calls me mr. Stevens

198

00:09:25,980 --> 00:09:22,970

you don't have to call me mr. Stevens

199

00:09:28,060 --> 00:09:25,990

anymore your colleague how about that

200

00:09:30,040 --> 00:09:28,070

yeah you know you're getting old on

201
00:09:34,240 --> 00:09:30,050
earth yes sort of things happen I think

202
00:09:35,560 --> 00:09:34,250
to myself as I progressed through life I

203
00:09:37,240 --> 00:09:35,570
know I'm getting bit older when I can

204
00:09:41,350 --> 00:09:37,250
say to people you know before you were

205
00:09:44,920 --> 00:09:41,360
born the early idea this is what we used

206
00:09:47,069 --> 00:09:44,930
to do and when did your interest in

207
00:09:49,300 --> 00:09:47,079
skepticism so I guess you'd have to be

208
00:09:52,750 --> 00:09:49,310
interested somewhat every science

209
00:09:55,449 --> 00:09:52,760
teacher should be well is a like many

210
00:09:57,040 --> 00:09:55,459
people as a long and interesting may be

211
00:09:59,500 --> 00:09:57,050
interesting to me long journey will say

212
00:10:01,329 --> 00:09:59,510
that I went to Catholic school for eight

213
00:10:03,550 --> 00:10:01,339

years when I was a kid not so much

214

00:10:05,199 --> 00:10:03,560

because my family is devout Catholic my

215

00:10:06,790 --> 00:10:05,209

grandmother was the most devout Catholic

216

00:10:09,280 --> 00:10:06,800

you'd ever meet my grandfather not so

217

00:10:11,259 --> 00:10:09,290

much but it was a safer school than

218

00:10:13,150 --> 00:10:11,269

where i was going to in public school so

219

00:10:15,310 --> 00:10:13,160

i went there for eight years and i

220

00:10:19,269 --> 00:10:15,320

actually i think my first dip into

221

00:10:21,819 --> 00:10:19,279

skepticism was by actually a nun who

222

00:10:23,590 --> 00:10:21,829

taught me in fifth grade we had religion

223

00:10:25,000 --> 00:10:23,600

class just like other classes so if

224

00:10:26,889 --> 00:10:25,010

there's history there's religion there

225

00:10:29,139 --> 00:10:26,899

was this there is that you know math and

226

00:10:30,639 --> 00:10:29,149

she and i would get in these really deep

227

00:10:32,079 --> 00:10:30,649

conversations with the other fifth

228

00:10:34,360 --> 00:10:32,089

graders kind of sitting there

229

00:10:36,810 --> 00:10:34,370

slack-jawed and i remember discussing

230

00:10:39,250 --> 00:10:36,820

like well isn't there some like

231

00:10:41,470 --> 00:10:39,260

scientific reasons for some things like

232

00:10:42,950 --> 00:10:41,480

the Red Sea parting of such and she said

233

00:10:45,590 --> 00:10:42,960

well yeah that was very good Aaron

234

00:10:47,180 --> 00:10:45,600

we talk about possibilities of you know

235

00:10:48,830 --> 00:10:47,190

earthquakes or whatever causing things

236

00:10:50,930 --> 00:10:48,840

like this is and then she was very well

237

00:10:54,230 --> 00:10:50,940

educated before the great men shortage I

238

00:10:55,400 --> 00:10:54,240

guess I'm from what I hear and so we get

239

00:10:58,430 --> 00:10:55,410

in these deep conversations all the time

240

00:10:59,870 --> 00:10:58,440

and she talked about some type of a

241

00:11:01,100 --> 00:10:59,880

cactus or something that grows in the

242

00:11:02,690 --> 00:11:01,110

desert that could be considered the

243

00:11:04,550 --> 00:11:02,700

unleavened bread that comes up out of

244

00:11:07,100 --> 00:11:04,560

nowhere and I haven't been able to

245

00:11:09,620 --> 00:11:07,110

verify that sense but it nonetheless it

246

00:11:12,050 --> 00:11:09,630

got my mind sparking that maybe they're

247

00:11:13,970 --> 00:11:12,060

just stories in the Bible and and not

248

00:11:16,430 --> 00:11:13,980

just history and so of course as I went

249

00:11:18,560 --> 00:11:16,440

on and on my education I started to

250

00:11:20,690 --> 00:11:18,570

learn more and more that there were

251

00:11:22,370 --> 00:11:20,700

answers for things that I didn't think

252

00:11:24,800 --> 00:11:22,380

there were answers for I remember some

253

00:11:27,800 --> 00:11:24,810

we're hearing that when a person dies

254

00:11:29,900 --> 00:11:27,810

that or is about to die the reason they

255

00:11:31,760 --> 00:11:29,910

see the tunnel is something like the

256

00:11:33,380 --> 00:11:31,770

optic nerve dying or something that sort

257

00:11:36,020 --> 00:11:33,390

and little bits and pieces like that

258

00:11:38,360 --> 00:11:36,030

clung to me and I start seeing that huh

259

00:11:40,270 --> 00:11:38,370

less that's not a lot of these things

260

00:11:42,980 --> 00:11:40,280

that were in the Bible actually have a

261

00:11:46,760 --> 00:11:42,990

legitimate reason behind it not

262

00:11:48,260 --> 00:11:46,770

something magical or mystical and I also

263

00:11:51,410 --> 00:11:48,270

remember something hit me really hard

264

00:11:53,600 --> 00:11:51,420

was I remember seeing a picture of a

265

00:11:55,100 --> 00:11:53,610

monk immolating himself oh that's a very

266

00:11:57,260 --> 00:11:55,110

famous picture I think that's all six do

267

00:12:00,440 --> 00:11:57,270

something yeah and it is even a cover of

268

00:12:02,150 --> 00:12:00,450

a a band's album rage against the

269

00:12:04,400 --> 00:12:02,160

machine has that undercover and I

270

00:12:05,840 --> 00:12:04,410

remember thinking myself now this guy

271

00:12:08,600 --> 00:12:05,850

believes in a different religion that I

272

00:12:10,280 --> 00:12:08,610

do and he believes so firmly what he's

273

00:12:12,560 --> 00:12:10,290

doing that he's willing to burn himself

274

00:12:14,660 --> 00:12:12,570

to death I am certainly not going to

275

00:12:17,210 --> 00:12:14,670

burn myself to death for anything that I

276

00:12:19,370 --> 00:12:17,220

believe in at this point so we can't

277

00:12:22,640 --> 00:12:19,380

both be right right the Bible can't be

278

00:12:24,080 --> 00:12:22,650

right and he can't be right also and yet

279

00:12:28,160 --> 00:12:24,090

his beliefs are much stronger than

280

00:12:30,080 --> 00:12:28,170

anybody I know in my church and so there

281

00:12:31,580 --> 00:12:30,090

was a questioning of the of the church

282

00:12:34,280 --> 00:12:31,590

happening at the same time as learning

283

00:12:36,620 --> 00:12:34,290

that there was more more to what's

284

00:12:39,590 --> 00:12:36,630

happening that we could answer with

285

00:12:42,530 --> 00:12:39,600

science and so you know as I learned

286

00:12:43,940 --> 00:12:42,540

more and more I didn't realize as

287

00:12:46,640 --> 00:12:43,950

becoming a skeptic actually didn't you

288

00:12:47,990 --> 00:12:46,650

know the term as applied nowadays until

289

00:12:49,480 --> 00:12:48,000

I started listening to the skeptics

290

00:12:52,540 --> 00:12:49,490

guide to the galaxy

291

00:12:54,400 --> 00:12:52,550

well holy cow I'm a skeptic I skeptics

292

00:12:57,579 --> 00:12:54,410

guide to the universe yeah let me expand

293

00:13:00,340 --> 00:12:57,589

it yeah I've explained it to the galaxy

294

00:13:02,380 --> 00:13:00,350

I used to be skipping scribed to the

295

00:13:04,990 --> 00:13:02,390

planet and maybe even you can tell my my

296

00:13:07,240 --> 00:13:05,000

childhood reading there too right as I

297

00:13:09,550 --> 00:13:07,250

read this you know Hitchhiker's Guide

298

00:13:11,710 --> 00:13:09,560

the Cherokees go I'd use oh yeah I find

299

00:13:14,440 --> 00:13:11,720

it funny that also so many skeptics are

300

00:13:17,139 --> 00:13:14,450

into things like doctor who and how

301

00:13:18,970 --> 00:13:17,149

nobody plans this what it must just be

302

00:13:21,490 --> 00:13:18,980

something in the curious brain that gets

303

00:13:23,710 --> 00:13:21,500

there I love it oh yeah yeah what I gave

304

00:13:25,329 --> 00:13:23,720

it took some years ago general token

305

00:13:29,410 --> 00:13:25,339

skepticism I put up as some of my

306

00:13:34,360 --> 00:13:29,420

influences Carl Sagan and Tom Baker mmm

307

00:13:36,910 --> 00:13:34,370

yeah I was 13 14 15 16 whatever when

308

00:13:38,860 --> 00:13:36,920

windows old doctor who's would be glad

309

00:13:41,290 --> 00:13:38,870

that I remember seen em team did loved

310

00:13:44,260 --> 00:13:41,300

it you know and he here he was for the

311

00:13:45,880 --> 00:13:44,270

most part using science and and he was a

312

00:13:47,860 --> 00:13:45,890

hero of course so he was always the

313

00:13:49,360 --> 00:13:47,870

winner well yet the they have the

314

00:13:50,710 --> 00:13:49,370

advantage in the show there can be

315

00:13:52,449 --> 00:13:50,720

science in the show that we don't

316

00:13:54,310 --> 00:13:52,459

understand yet well that's because it's

317

00:13:56,350 --> 00:13:54,320

science fiction but that was never good

318

00:13:58,000 --> 00:13:56,360

there was mrs. yeah so this thing's

319

00:14:00,010 --> 00:13:58,010

woven in but you know that that's poetic

320

00:14:01,870 --> 00:14:00,020

license that's fine the shows not meant

321

00:14:05,530 --> 00:14:01,880

to be a scientific documentary other

322

00:14:07,329 --> 00:14:05,540

science fiction but i'm sure it inspired

323

00:14:09,069 --> 00:14:07,339

a lot of people i mean like star trek in

324

00:14:10,870 --> 00:14:09,079

spider yeah its famous is going to bring

325

00:14:13,690 --> 00:14:10,880

up to a star trek really influenced me I

326

00:14:16,540 --> 00:14:13,700

like in Star Trek that you can pose

327

00:14:19,000 --> 00:14:16,550

moral dilemmas that you can't do in real

328

00:14:20,680 --> 00:14:19,010

life no but particularly in star trek

329

00:14:23,350 --> 00:14:20,690

the next generations the way they dealt

330

00:14:24,970 --> 00:14:23,360

with some of the Borg issues and the

331

00:14:27,160 --> 00:14:24,980

humanity of them even though they're

332

00:14:29,620 --> 00:14:27,170

part of a collective and yeah it was

333

00:14:32,769 --> 00:14:29,630

very powerful to me I don't know why but

334

00:14:34,780 --> 00:14:32,779

for something the the ones with the

335

00:14:36,519 --> 00:14:34,790

board Hugh that they view yeah I

336

00:14:38,410 --> 00:14:36,529

remember those episodes really hit me

337

00:14:40,360 --> 00:14:38,420

you know i was like wow here's a dilemma

338

00:14:43,060 --> 00:14:40,370

that maybe someday in the future could

339

00:14:44,620 --> 00:14:43,070

possibly be but you can only address it

340

00:14:47,680 --> 00:14:44,630

in there and then you can have the

341

00:14:49,180 --> 00:14:47,690

things like like where they call dude or

342

00:14:51,940 --> 00:14:49,190

something like that doctor who doctor

343

00:14:53,340 --> 00:14:51,950

who were there don't be rude tiendalli

344

00:14:55,449 --> 00:14:53,350

they've been

345

00:14:58,600 --> 00:14:55,459

genetically engineered as a slave race

346

00:15:00,490 --> 00:14:58,610

and that this could be a real legitimate

347

00:15:03,009 --> 00:15:00,500

possibility sometime but the only way we

348

00:15:05,079 --> 00:15:03,019

can explore these ideas and in science

349

00:15:07,809 --> 00:15:05,089

fiction so maybe that's why so many

350

00:15:08,980 --> 00:15:07,819

people in the set skepticism gravitate

351

00:15:10,509 --> 00:15:08,990

towards science fiction because there's

352

00:15:12,550 --> 00:15:10,519

these ideas you can only deal with in

353

00:15:14,139 --> 00:15:12,560

that realm some probably so we're in the

354

00:15:15,850 --> 00:15:14,149

last few years of the last ten years of

355

00:15:19,600 --> 00:15:15,860

course harry potter type mysticism and

356

00:15:22,569 --> 00:15:19,610

magic is it has been very evident and

357

00:15:24,910 --> 00:15:22,579

you know that's okay i mean somebody a

358

00:15:27,460 --> 00:15:24,920

very famous skeptic came up to me at a

359

00:15:32,139 --> 00:15:27,470

conference not so long ago and had a

360

00:15:34,090 --> 00:15:32,149

chat to me and he was a very unhappy

361

00:15:35,259 --> 00:15:34,100

about harry potter and he said what do

362

00:15:36,970 --> 00:15:35,269

you think about this harry potter is

363

00:15:40,329 --> 00:15:36,980

teaching these kids and I said I thought

364

00:15:43,360 --> 00:15:40,339

himself well you know it's Shakespeare's

365

00:15:46,300 --> 00:15:43,370

full of magic and mysticism and I said

366

00:15:48,280 --> 00:15:46,310

what if the kids know it's a story then

367

00:15:50,170 --> 00:15:48,290

it's just a great story i could sit down

368

00:15:51,699 --> 00:15:50,180

tomorrow and write a story about wizards

369

00:15:53,679 --> 00:15:51,709

and magic and things that don't happen

370

00:15:57,519 --> 00:15:53,689

but that's just using my imagination I'm

371

00:15:59,769 --> 00:15:57,529

not once at any time saying it's real so

372

00:16:01,480 --> 00:15:59,779

I was always a little bit I don't know

373

00:16:03,670 --> 00:16:01,490

what to think about that yeah it's art

374

00:16:05,740 --> 00:16:03,680

well i think the harry potter is so

375

00:16:09,490 --> 00:16:05,750

fantastic that there's no way you're

376

00:16:12,160 --> 00:16:09,500

going to buy into the belief i myself i

377

00:16:14,019 --> 00:16:12,170

do like the Harry Potter movies I have a

378

00:16:16,449 --> 00:16:14,029

hard time at the books primarily because

379

00:16:17,619 --> 00:16:16,459

I was an Ursa little Gwynn fan the earth

380

00:16:19,509 --> 00:16:17,629

see trilogy I don't know if you read

381

00:16:20,920 --> 00:16:19,519

that i know i have not known but i'm

382

00:16:22,929 --> 00:16:20,930

sure some of that listeners happening

383

00:16:24,340 --> 00:16:22,939

i'm sure they dyking know I had a really

384

00:16:27,100 --> 00:16:24,350

hard time reading the first Harry Potter

385

00:16:31,509 --> 00:16:27,110

but because it seemed like so much of it

386

00:16:34,720 --> 00:16:31,519

came from mercy so I was like oh but am

387

00:16:36,429 --> 00:16:34,730

I to my favorites science fiction

388

00:16:38,439 --> 00:16:36,439

writers not science fiction writers are

389

00:16:42,249 --> 00:16:38,449

Tolkien and Ursula Le Guin okay what I

390

00:16:43,869 --> 00:16:42,259

like about them is they're very very

391

00:16:45,879 --> 00:16:43,879

good about laying a foundation of a

392

00:16:48,540 --> 00:16:45,889

world they make no claim about it being

393

00:16:50,619 --> 00:16:48,550

our real world but they're very they're

394

00:16:54,819 --> 00:16:50,629

consistent within their own world yeah

395

00:16:57,590 --> 00:16:54,829

and Harry Potter's not so you know I had

396

00:16:59,780 --> 00:16:57,600

a hard time with Harry partisan well

397

00:17:01,309 --> 00:16:59,790

you got the got the Phoenix here you got

398

00:17:04,490 --> 00:17:01,319

this there it's like where's where's the

399

00:17:06,409 --> 00:17:04,500

consistency of no I'll have powers are

400

00:17:08,360 --> 00:17:06,419

ever so it's Voldemort made a different

401
00:17:09,919 --> 00:17:08,370
you so yeah yeah just messin function

402
00:17:11,150 --> 00:17:09,929
and another famous skeptic I won't

403
00:17:13,850 --> 00:17:11,160
mention the name and another famous

404
00:17:17,510 --> 00:17:13,860
skeptic I know went to see Lord of the

405
00:17:19,370 --> 00:17:17,520
Rings the first movie and about 40

406
00:17:21,590 --> 00:17:19,380
minutes in walked out because it

407
00:17:24,110 --> 00:17:21,600
couldn't take it anymore though the way

408
00:17:26,360 --> 00:17:24,120
they altered the story no no he couldn't

409
00:17:28,880 --> 00:17:26,370
understand it because you know he was

410
00:17:30,680 --> 00:17:28,890
too steeped in physics I guess reality

411
00:17:32,899 --> 00:17:30,690
and suddenly these things were crazy

412
00:17:34,549 --> 00:17:32,909
things are happening is I me all right I

413
00:17:36,740 --> 00:17:34,559

can understand that but when I go to see

414

00:17:39,169 --> 00:17:36,750

a movie like that my brain is checked

415

00:17:40,909 --> 00:17:39,179

door and I get my pie me in the world of

416

00:17:42,770 --> 00:17:40,919

talk and I'm not in our room exact when

417

00:17:44,450 --> 00:17:42,780

I go outside and that's now avatar on

418

00:17:46,490 --> 00:17:44,460

the other hand I couldn't handle that

419

00:17:48,350 --> 00:17:46,500

like somebody has got to explain me how

420

00:17:50,450 --> 00:17:48,360

those mountains are floating you can't

421

00:17:52,039 --> 00:17:50,460

do that I can't just have those things

422

00:17:53,899 --> 00:17:52,049

happening and not explain how it's

423

00:17:55,399 --> 00:17:53,909

happening come up with something i don't

424

00:17:57,020 --> 00:17:55,409

care if it's wrong or fake or whatever

425

00:17:58,460 --> 00:17:57,030

but at least try to explain it I go

426

00:17:59,810 --> 00:17:58,470

there's mountains as floating these

427

00:18:01,279 --> 00:17:59,820

mountains living I'll just hear their

428

00:18:03,020 --> 00:18:01,289

balance between the gravity of the

429

00:18:05,450 --> 00:18:03,030

planet and they're connected by roots of

430

00:18:08,180 --> 00:18:05,460

something and what it is but three I

431

00:18:10,039 --> 00:18:08,190

could handle it I i I'd bite it was like

432

00:18:12,110 --> 00:18:10,049

going to i'm watching a live action

433

00:18:14,330 --> 00:18:12,120

version of fern gully I don't know if

434

00:18:17,510 --> 00:18:14,340

you attack yeah it was very much like

435

00:18:19,039 --> 00:18:17,520

fern gully huh I right or I enjoyed

436

00:18:21,590 --> 00:18:19,049

avatar to an extent but you know I

437

00:18:24,350 --> 00:18:21,600

thought ultimately the plot was a bit

438

00:18:27,590 --> 00:18:24,360

man I couldn't handle the dialogue and

439

00:18:30,680 --> 00:18:27,600

the you know like I see evil humans and

440

00:18:33,409 --> 00:18:30,690

the good yeah license down than the the

441

00:18:35,180 --> 00:18:33,419

cowboy bad guy and it's just there's too

442

00:18:37,039 --> 00:18:35,190

much I couldn't handle it we seem to be

443

00:18:39,020 --> 00:18:37,049

going off drifting off that sorry tange

444

00:18:41,060 --> 00:18:39,030

Indian oh that's quite all right let's

445

00:18:45,409 --> 00:18:41,070

look let's get grounded back to reality

446

00:18:47,360 --> 00:18:45,419

someone now you have a visitor club as a

447

00:18:50,570 --> 00:18:47,370

program what do you do skeptic they have

448

00:18:53,299 --> 00:18:50,580

a clever and um I don't think that they

449

00:18:55,549 --> 00:18:53,309

would label it as a skeptic club they

450

00:18:58,880 --> 00:18:55,559

just call it's called pure logic so the

451
00:19:00,980 --> 00:18:58,890
idea is that most of the time when kids

452
00:19:02,149 --> 00:19:00,990
are talking with each other they're not

453
00:19:03,400 --> 00:19:02,159
really engaged in very deep

454
00:19:05,200 --> 00:19:03,410
conversations

455
00:19:07,150 --> 00:19:05,210
you know and there are kids who want to

456
00:19:09,340 --> 00:19:07,160
be engaged in a really deep conversation

457
00:19:11,080 --> 00:19:09,350
they want a safe place to do that so a

458
00:19:13,540 --> 00:19:11,090
couple years ago students started the

459
00:19:15,490 --> 00:19:13,550
pure logic club and they're all very

460
00:19:17,110 --> 00:19:15,500
most of our very intelligent kids that

461
00:19:18,910 --> 00:19:17,120
are getting good grades and you know

462
00:19:20,560 --> 00:19:18,920
some of them not so much but they all

463
00:19:23,800 --> 00:19:20,570

really like to get in discussions and

464

00:19:25,480 --> 00:19:23,810

really talk and so I you know one of

465

00:19:26,770 --> 00:19:25,490

them came to me is hey can I start this

466

00:19:28,510 --> 00:19:26,780

club here another teacher said that

467

00:19:31,210 --> 00:19:28,520

you'd probably be hip on this nice yeah

468

00:19:33,820 --> 00:19:31,220

this is great so as they've been going

469

00:19:36,190 --> 00:19:33,830

I've been kind of guiding them a little

470

00:19:38,410 --> 00:19:36,200

bit more towards a more skeptical point

471

00:19:40,720 --> 00:19:38,420

of view of things and and trying to keep

472

00:19:43,390 --> 00:19:40,730

their conversations when they bring up a

473

00:19:45,550 --> 00:19:43,400

topic a little more grounded because

474

00:19:47,710 --> 00:19:45,560

sometimes they buying a lot of them

475

00:19:49,660 --> 00:19:47,720

buying as conspiracy theory and things

476

00:19:53,320 --> 00:19:49,670

of that sort so I tried I try to guide

477

00:19:55,510 --> 00:19:53,330

them and this year I I've tried to be

478

00:19:57,820 --> 00:19:55,520

even more structure give them some ideas

479

00:19:59,740 --> 00:19:57,830

you know like well maybe somebody should

480

00:20:02,200 --> 00:19:59,750

go research homeopathy we had a kid who

481

00:20:04,570 --> 00:20:02,210

researched cryptozoology and just you

482

00:20:06,490 --> 00:20:04,580

know so giving them a bunch of topics so

483

00:20:08,560 --> 00:20:06,500

that they have some guidance that first

484

00:20:10,300 --> 00:20:08,570

the person who originated he had

485

00:20:11,830 --> 00:20:10,310

guidance of his own he had ideas he

486

00:20:14,140 --> 00:20:11,840

wanted to talk about and he wanted a

487

00:20:16,420 --> 00:20:14,150

place to talk to a talk about it and so

488

00:20:18,970 --> 00:20:16,430

that was his club but he's gone now he's

489

00:20:20,410 --> 00:20:18,980

graduated so now the club needed some

490

00:20:22,090 --> 00:20:20,420

guidance so I've stepped in a little bit

491

00:20:24,220 --> 00:20:22,100

more I guess was the name of my view on

492

00:20:27,100 --> 00:20:24,230

Logic it's quite open yeah that's the

493

00:20:30,010 --> 00:20:27,110

whole idea is that any topic is is open

494

00:20:33,850 --> 00:20:30,020

for discussion hmm religion politics

495

00:20:35,740 --> 00:20:33,860

science paranormal anything that the

496

00:20:37,930 --> 00:20:35,750

kids are interested in and want to

497

00:20:39,910 --> 00:20:37,940

really talk about and otherwise don't

498

00:20:41,470 --> 00:20:39,920

have a place to talk about it no and you

499

00:20:43,660 --> 00:20:41,480

sound leakage from one of the class

500

00:20:45,370 --> 00:20:43,670

we're surrounded by all these doors I

501
00:20:47,080 --> 00:20:45,380
look around this door over there there's

502
00:20:48,520 --> 00:20:47,090
the door down their door back here and

503
00:20:50,530 --> 00:20:48,530
they're all got students behind another

504
00:20:53,140 --> 00:20:50,540
yeah I was yeah for some of them and

505
00:20:54,690 --> 00:20:53,150
your room is immediately to our left

506
00:20:57,300 --> 00:20:54,700
that I think

507
00:21:01,440 --> 00:20:57,310
you hear the video inert murmurings from

508
00:21:03,930 --> 00:21:01,450
yuck so that's great that I like I do

509
00:21:06,180 --> 00:21:03,940
like that name I mean one of the

510
00:21:08,340 --> 00:21:06,190
problems with the modern skepticism is

511
00:21:11,540 --> 00:21:08,350
the name is the word skipping it is

512
00:21:15,390 --> 00:21:11,550
applied images forever misused or

513
00:21:16,950 --> 00:21:15,400

misunderstood we have the global warming

514

00:21:19,770 --> 00:21:16,960

skeptics we've got the moon landing

515

00:21:22,080 --> 00:21:19,780

skeptics one of the the more silly

516

00:21:23,880 --> 00:21:22,090

arguments put against me is our you

517

00:21:28,440 --> 00:21:23,890

skeptics are so silly you once believed

518

00:21:31,170 --> 00:21:28,450

the world was flat Jade welcome hey what

519

00:21:33,300 --> 00:21:31,180

and that that's that's a great sound

520

00:21:36,840 --> 00:21:33,310

bite by the way because it's really hard

521

00:21:39,680 --> 00:21:36,850

to counter quickly it's very easy to say

522

00:21:42,090 --> 00:21:39,690

you could say it about anybody you know

523

00:21:43,200 --> 00:21:42,100

you believe is it so stupid you thought

524

00:21:45,150 --> 00:21:43,210

the world was flat but what do you mean

525

00:21:46,800 --> 00:21:45,160

you owe you skeptics it you see what I

526
00:21:48,090 --> 00:21:46,810
mean yeah it's one of the problems that

527
00:21:50,280 --> 00:21:48,100
we face all the time but you have to go

528
00:21:52,920 --> 00:21:50,290
back in time you know several hundred

529
00:21:54,300 --> 00:21:52,930
year depending on which you know which

530
00:21:57,230 --> 00:21:54,310
realm of science are talking about that

531
00:22:00,630 --> 00:21:57,240
people have known since the time of what

532
00:22:01,980 --> 00:22:00,640
where the Greeks are you yeah yeah that

533
00:22:04,560 --> 00:22:01,990
there were some people knew the earth

534
00:22:06,930 --> 00:22:04,570
was round but yes oh yeah how do you

535
00:22:09,000 --> 00:22:06,940
yeah you are you cannot counter that

536
00:22:10,380 --> 00:22:09,010
especially if it's done in a live

537
00:22:11,940 --> 00:22:10,390
situation around the media or something

538
00:22:14,010 --> 00:22:11,950

you can't you can't counter a question

539

00:22:15,480 --> 00:22:14,020

like that very quickly one it's it's a

540

00:22:17,550 --> 00:22:15,490

fundamentally flawed question it's a

541

00:22:19,170 --> 00:22:17,560

nonsense question and it's silly to and

542

00:22:20,460 --> 00:22:19,180

then you said well who do you mean the

543

00:22:22,560 --> 00:22:20,470

skeptics what are you talking about in

544

00:22:25,080 --> 00:22:22,570

modern skepticism so why me my friends

545

00:22:27,690 --> 00:22:25,090

by the time you've got even started to

546

00:22:30,000 --> 00:22:27,700

do all that if you've lost it you've

547

00:22:32,130 --> 00:22:30,010

lost that the thing so it's interesting

548

00:22:33,720 --> 00:22:32,140

how that those sort of things can be

549

00:22:36,300 --> 00:22:33,730

used against it but your skeptic is a

550

00:22:41,340 --> 00:22:36,310

problematic word so I guess pure logic

551
00:22:43,560 --> 00:22:41,350
is so well vague and away isn't it yeah

552
00:22:48,330 --> 00:22:43,570
I mean you got the word logic in there

553
00:22:49,950 --> 00:22:48,340
and what's pure me oh you do computer

554
00:22:52,110 --> 00:22:49,960
science club or you know something like

555
00:22:54,540 --> 00:22:52,120
that but it seems to work out i mean the

556
00:22:56,640 --> 00:22:54,550
club has been growing it's our regular

557
00:22:58,500 --> 00:22:56,650
membership continues to improve but

558
00:23:01,110 --> 00:22:58,510
sometimes we have upwards of 20 or so

559
00:23:03,610 --> 00:23:01,120
students in there on bad days even now

560
00:23:06,370 --> 00:23:03,620
it's at least 10 we'd meet twice a week

561
00:23:07,780 --> 00:23:06,380
we have fairly short lunches just over a

562
00:23:10,480 --> 00:23:07,790
half an hour so you can't get a whole

563
00:23:13,810 --> 00:23:10,490

lot done Wow a musician luxury and they

564

00:23:15,610 --> 00:23:13,820

chose lunch because after school most of

565

00:23:17,590 --> 00:23:15,620

kids who are coming to the club they're

566

00:23:19,450 --> 00:23:17,600

involved kids they do things are doing

567

00:23:20,950 --> 00:23:19,460

sports or doing band they're doing other

568

00:23:23,200 --> 00:23:20,960

stuff so the only time they could meet

569

00:23:24,730 --> 00:23:23,210

was during school so you know they cited

570

00:23:27,040 --> 00:23:24,740

to breaking into twice a week and

571

00:23:29,280 --> 00:23:27,050

sometimes a topic will take a couple of

572

00:23:32,680 --> 00:23:29,290

different sessions yeah well I was very

573

00:23:34,630 --> 00:23:32,690

very grateful last time I came here and

574

00:23:36,549 --> 00:23:34,640

spoke to some of your classes and then I

575

00:23:38,799 --> 00:23:36,559

did the presentation in the library a

576

00:23:40,390 --> 00:23:38,809

little later on you sent me a big

577

00:23:42,850 --> 00:23:40,400

envelope full of letters from students

578

00:23:44,590 --> 00:23:42,860

and that was so touching to think that

579

00:23:48,190 --> 00:23:44,600

they took the time to thank me for

580

00:23:49,480 --> 00:23:48,200

coming and I'm so pleased to know some

581

00:23:51,669 --> 00:23:49,490

of them got something out of what i was

582

00:23:54,190 --> 00:23:51,679

talking is it had a big impact on some

583

00:23:56,140 --> 00:23:54,200

of my students who to this day talk

584

00:23:59,770 --> 00:23:56,150

about an in fact the president of our

585

00:24:01,390 --> 00:23:59,780

skeptics club shiloh he was what student

586

00:24:03,549 --> 00:24:01,400

who you'd been impressed with in the

587

00:24:05,020 --> 00:24:03,559

questions yet questions and he you know

588

00:24:06,490 --> 00:24:05,030

he is a Catholic kid to which is

589

00:24:07,930 --> 00:24:06,500

interesting he's very devout Catholic

590

00:24:09,490 --> 00:24:07,940

the two leaders of the club one's a very

591

00:24:12,340 --> 00:24:09,500

devout Catholic what is a very devout

592

00:24:15,700 --> 00:24:12,350

Mormon sort of like that people running

593

00:24:19,510 --> 00:24:15,710

for office on good heavens mmm yeah but

594

00:24:22,570 --> 00:24:19,520

yeah it really it really helped him you

595

00:24:25,240 --> 00:24:22,580

know yeah he was able to start thinking

596

00:24:28,180 --> 00:24:25,250

about the way he views the world and he

597

00:24:31,000 --> 00:24:28,190

still loves his faith but he's starting

598

00:24:33,070 --> 00:24:31,010

to recognize that there's a lot that you

599

00:24:34,540 --> 00:24:33,080

can learn from science that you can't

600

00:24:36,510 --> 00:24:34,550

learn another room so it's good to know

601
00:24:39,730 --> 00:24:36,520
there's a good kid i really like i enjoy

602
00:24:42,130 --> 00:24:39,740
talking about another thing remembers

603
00:24:43,810 --> 00:24:42,140
after I did my token the librarian part

604
00:24:46,419 --> 00:24:43,820
of the talk I'm I'll do again today is

605
00:24:47,890 --> 00:24:46,429
the whole power balance thing I I do all

606
00:24:49,840 --> 00:24:47,900
the tests you'll see those around now

607
00:24:51,600 --> 00:24:49,850
whatever asked him yeah that's just fake

608
00:24:53,860 --> 00:24:51,610
but I like the way it looks yeah exactly

609
00:24:55,390 --> 00:24:53,870
but when I left and I was walking out

610
00:24:57,640 --> 00:24:55,400
with you there's all these students who

611
00:25:00,280 --> 00:24:57,650
have to be four oh yeah i went ahead i

612
00:25:02,230 --> 00:25:00,290
won four or five with me and i ended up

613
00:25:03,790 --> 00:25:02,240

giving most of them well i have one left

614

00:25:05,140 --> 00:25:03,800

which is on my wrist at the moment which

615

00:25:05,720 --> 00:25:05,150

I'll use today and I might give that

616

00:25:07,400 --> 00:25:05,730

away

617

00:25:09,110 --> 00:25:07,410

for that they didn't care didn't work

618

00:25:12,590 --> 00:25:09,120

they just one of the way it was it will

619

00:25:15,620 --> 00:25:12,600

snow it'll be one of the things that

620

00:25:17,450 --> 00:25:15,630

when you look back and use time and you

621

00:25:21,080 --> 00:25:17,460

think oh I remember power balances

622

00:25:23,720 --> 00:25:21,090

wasn't what was there around the 2010

623

00:25:26,000 --> 00:25:23,730

2012 like a tie with keyboard on it from

624

00:25:27,530 --> 00:25:26,010

the 80s you know yeah exactly all these

625

00:25:29,180 --> 00:25:27,540

things you remember from certain periods

626

00:25:32,450 --> 00:25:29,190

of history the nostalgia of power

627

00:25:34,040 --> 00:25:32,460

balance nostalgia bout between your

628

00:25:36,290 --> 00:25:34,050

anniversary power balance it's even

629

00:25:38,540 --> 00:25:36,300

twice as powerful they still have the

630

00:25:41,150 --> 00:25:38,550

power balance pavilion signs up by the

631

00:25:43,160 --> 00:25:41,160

way I thought that a change is still a

632

00:25:45,680 --> 00:25:43,170

bit dry by still says power balance

633

00:25:48,830 --> 00:25:45,690

really I know I well I will change

634

00:25:51,560 --> 00:25:48,840

because their power balance of course in

635

00:25:52,880 --> 00:25:51,570

ruins but I did hear that they're

636

00:25:57,350 --> 00:25:52,890

changing the name of that which is a

637

00:25:59,030 --> 00:25:57,360

good thing yeah I I hope so as I

638

00:26:00,980 --> 00:25:59,040

remember I took some photographs of my

639

00:26:02,690 --> 00:26:00,990

you know placebo ban right in front of

640

00:26:06,260 --> 00:26:02,700

my didn't funny but I did see those Noah

641

00:26:07,610 --> 00:26:06,270

fantasy couldn't help myself yeah well

642

00:26:09,410 --> 00:26:07,620

it can't be too long now before the next

643

00:26:12,380 --> 00:26:09,420

period as I look up at the clock

644

00:26:13,940 --> 00:26:12,390

yesterday so we should um I should

645

00:26:15,200 --> 00:26:13,950

finish my coffee and get my notes

646

00:26:16,970 --> 00:26:15,210

together I don't have any notes I'll

647

00:26:18,560 --> 00:26:16,980

just wing it I'll just wing before to

648

00:26:21,380 --> 00:26:18,570

get them having a hard time not laughing

649

00:26:23,750 --> 00:26:21,390

as I looked a little robotic I'll

650

00:26:26,690 --> 00:26:23,760

broccoli afro yes just like a little

651
00:26:28,610 --> 00:26:26,700
afro and is that funny machine just

652
00:26:30,440 --> 00:26:28,620
kicks over there and into the distance

653
00:26:33,380 --> 00:26:30,450
what is the frigerators I believe that's

654
00:26:35,300 --> 00:26:33,390
the frigerator yet that's allowed fridge

655
00:26:37,820 --> 00:26:35,310
while it's an industrial fridge and you

656
00:26:39,810 --> 00:26:37,830
know it's for science well if it's for

657
00:26:43,470 --> 00:26:39,820
science has quite a ride in

658
00:26:45,330 --> 00:26:43,480
we shall wind it up here so Erin Kelley

659
00:26:47,130 --> 00:26:45,340
Stephens thanked me once again and I

660
00:26:51,750 --> 00:26:47,140
look forward to the next few hours oh

661
00:26:59,320 --> 00:26:54,039
wow I've just had a wonderful time here

662
00:27:02,260 --> 00:26:59,330
at will see would go Wildcats run high

663
00:27:04,149 --> 00:27:02,270

school here in vacaville which is not

664

00:27:05,890 --> 00:27:04,159

too far from San Francisco I mean for

665

00:27:08,680 --> 00:27:05,900

our international listen as I guess and

666

00:27:10,210 --> 00:27:08,690

I've just did a presentation here in the

667

00:27:13,180 --> 00:27:10,220

library and I still have some students

668

00:27:16,000 --> 00:27:13,190

are there so keen folks I can't tell you

669

00:27:19,419 --> 00:27:16,010

these hello what's your name and colon

670

00:27:22,080 --> 00:27:19,429

Davidson and Donovan coma Quentin

671

00:27:27,639 --> 00:27:22,090

Strickland Spencer Holly Michael Potter

672

00:27:29,260 --> 00:27:27,649

jolla naranja and you diego yalla and

673

00:27:31,180 --> 00:27:29,270

they're all here and some other people

674

00:27:32,409 --> 00:27:31,190

who had to leave because it's it's over

675

00:27:36,279 --> 00:27:32,419

i did some of the mystery investigators

676
00:27:38,740 --> 00:27:36,289
and I guess you're all hopefully as I am

677
00:27:43,810 --> 00:27:38,750
all interested in science and mysteries

678
00:27:44,919 --> 00:27:43,820
would that be a fair call sure what but

679
00:27:47,409 --> 00:27:44,929
what do you find particularly

680
00:27:50,500 --> 00:27:47,419
interesting what one mistrials aspect of

681
00:27:54,460 --> 00:27:50,510
science just how i can boggle the mind I

682
00:27:56,919 --> 00:27:54,470
guess yeah I can track you you mind can

683
00:27:59,590 --> 00:27:56,929
trick you yeah can absolutely trick you

684
00:28:01,450 --> 00:27:59,600
and what about yourself I views and

685
00:28:02,830 --> 00:28:01,460
you're wearing a placebo ban because you

686
00:28:06,519 --> 00:28:02,840
are helping me with the demonstration

687
00:28:09,310 --> 00:28:06,529
for the power balance um yeah it's it's

688
00:28:14,320 --> 00:28:09,320

how like people can trick you and your

689

00:28:18,909 --> 00:28:14,330

mind and how that can affect like how

690

00:28:21,430 --> 00:28:18,919

people think absolutely right now what I

691

00:28:23,289 --> 00:28:21,440

hope don't you saw with those optical

692

00:28:28,000 --> 00:28:23,299

illusions to is how your eyes can fool

693

00:28:32,350 --> 00:28:28,010

your brain and all the rest of it I like

694

00:28:34,120 --> 00:28:32,360

the face the faces the paradol Ian yes

695

00:28:36,669 --> 00:28:34,130

of course people can see faces with our

696

00:28:38,350 --> 00:28:36,679

owner faces and had you seen did you

697

00:28:40,389 --> 00:28:38,360

know about the power balance before had

698

00:28:43,180 --> 00:28:40,399

you heard about that one Oh mr. Stevens

699

00:28:45,519 --> 00:28:43,190

talked about it a little bit but so he

700

00:28:48,700 --> 00:28:45,529

kind of gave that away but before that

701

00:28:50,110 --> 00:28:48,710

no well I'm glad you do I'm glad I'm

702

00:28:52,870 --> 00:28:50,120

glad you're telling you students about

703

00:28:54,639 --> 00:28:52,880

that somebody has to right yeah somebody

704

00:28:57,669 --> 00:28:54,649

has to I'm very glad to hear about that

705

00:29:00,499 --> 00:28:57,679

and I are you all in Mississippi sports

706

00:29:02,689 --> 00:29:00,509

players yet so what do you

707

00:29:04,399 --> 00:29:02,699

to do I mean are you all sort of

708

00:29:06,139 --> 00:29:04,409

interested in science oh yeah we'll have

709

00:29:08,329 --> 00:29:06,149

other ideas of what you'd like to do

710

00:29:10,399 --> 00:29:08,339

after you graduate yeah I like science

711

00:29:13,099 --> 00:29:10,409

but I don't want to have a career in

712

00:29:15,079 --> 00:29:13,109

science really what do you think that's

713

00:29:17,329 --> 00:29:15,089

cool i mean you can Air Force Air Force

714

00:29:18,619 --> 00:29:17,339

well I bet you if you go to the Air

715

00:29:21,649 --> 00:29:18,629

Force you're going to be using science

716

00:29:23,719 --> 00:29:21,659

there of course so it's good together

717

00:29:24,709 --> 00:29:23,729

the more you know here the more it's

718

00:29:27,759 --> 00:29:24,719

going to help you get into the air force

719

00:29:32,149 --> 00:29:27,769

I think yes absolutely I couldn't agree

720

00:29:33,949 --> 00:29:32,159

it is I have so many ideas now oh I

721

00:29:35,269 --> 00:29:33,959

think I put ideas in it well you know

722

00:29:37,639 --> 00:29:35,279

the one I showed you about the power

723

00:29:39,229 --> 00:29:37,649

balance and the one you took part in and

724

00:29:41,299 --> 00:29:39,239

how you can press down on somebody Sam I

725

00:29:43,369 --> 00:29:41,309

meant what I said before the more people

726

00:29:45,680 --> 00:29:43,379

who know about the trick the better

727

00:29:47,389 --> 00:29:45,690

because then it takes away the trick

728

00:29:49,939 --> 00:29:47,399

from the people who are trying to take

729

00:29:52,009 --> 00:29:49,949

your money away so please show your

730

00:29:53,359 --> 00:29:52,019

friends show your friends but don't but

731

00:29:54,979 --> 00:29:53,369

don't then give them something and say

732

00:30:00,139 --> 00:29:54,989

if you buy this for thirty dollars you

733

00:30:01,519 --> 00:30:00,149

can no more as seen on TV stuff yeah but

734

00:30:04,099 --> 00:30:01,529

you'll probably will still see people

735

00:30:05,689 --> 00:30:04,109

doing that and it's tempting when you

736

00:30:07,609 --> 00:30:05,699

see it in the malls to go up and say

737

00:30:09,889 --> 00:30:07,619

you're wrong it doesn't work but yeah

738

00:30:12,289 --> 00:30:09,899

people often that can lead them to

739

00:30:16,449 --> 00:30:12,299

people getting very angry with you I've

740

00:30:19,069 --> 00:30:16,459

discovered which isn't a good thing yeah

741

00:30:21,349 --> 00:30:19,079

well look thank you everybody for coming

742

00:30:23,029 --> 00:30:21,359

along again it's really great to that

743

00:30:24,680 --> 00:30:23,039

you did come along to see my talk and I

744

00:30:26,149 --> 00:30:24,690

hope you found it interesting it was a

745

00:30:28,069 --> 00:30:26,159

lot there there was optical illusions

746

00:30:30,559 --> 00:30:28,079

and tricks with this power balance thing

747

00:30:34,099 --> 00:30:30,569

and we ended with with a video from Mars

748

00:30:35,629 --> 00:30:34,109

so thank you for having me back once

749

00:30:37,039 --> 00:30:35,639

again thank you for coming once again

750

00:30:39,139 --> 00:30:37,049

hopefully can do this again in the

751

00:30:40,789 --> 00:30:39,149

future I hope so it's been about two

752

00:30:41,989 --> 00:30:40,799

years and so is here before so maybe in

753

00:30:44,119 --> 00:30:41,999

a couple of years I'll come back and

754

00:30:48,379 --> 00:30:44,129

I'll talk to another group about next

755

00:30:49,519 --> 00:30:48,389

month you know as much as I'd like hey

756

00:30:53,029 --> 00:30:49,529

you want to pay for my airfare from

757

00:30:56,089 --> 00:30:53,039

Australia no well there that's that idea

758

00:30:58,120 --> 00:30:56,099

then so from will c wood high school in

759

00:31:09,900 --> 00:30:58,130

vacaville thank you everybody

760

00:31:14,290 --> 00:31:12,700

the hand side is a podcast of the

761

00:31:17,440 --> 00:31:14,300

monthly lecture drain back camera

762

00:31:19,350 --> 00:31:17,450

skeptics incorporating each month camera

763

00:31:22,090 --> 00:31:19,360

skeptics provides experts in their field

764

00:31:24,580 --> 00:31:22,100

ranging from science and philosophy to

765

00:31:27,070 --> 00:31:24,590

politics and national security with an

766

00:31:44,850 --> 00:31:27,080

opportunity to present their views you

767

00:31:54,399 --> 00:31:49,799

here's may not spooky action at the

768

00:32:04,249 --> 00:32:00,499

please welcome Julianne Moore oh thanks

769

00:32:07,549 --> 00:32:04,259

very much Alan okay now our third shonky

770

00:32:09,259 --> 00:32:07,559

award goes to a range of homeopathic

771

00:32:11,740 --> 00:32:09,269

pills and basically it was game over

772

00:32:13,759 --> 00:32:11,750

when we said the word homeopathy here

773

00:32:16,039 --> 00:32:13,769

choice experts looked into these

774

00:32:18,710 --> 00:32:16,049

products some of the products include

775

00:32:20,480 --> 00:32:18,720

strychnine and arsenic if that worries

776

00:32:22,519 --> 00:32:20,490

you you don't need to be too worried

777

00:32:24,740 --> 00:32:22,529

because the level of dilution in

778

00:32:27,169 --> 00:32:24,750

accordance with homeopathy best practice

779

00:32:31,119 --> 00:32:27,179

for want of a better expression is one

780

00:32:33,740 --> 00:32:31,129

drop in 1,000 trillion or one drop in

781

00:32:35,299 --> 00:32:33,750

20,000 olympic-sized swimming pools

782

00:32:36,860 --> 00:32:35,309

which is roughly the same mix of

783

00:32:40,070 --> 00:32:36,870

detergent to water ratio is a samsung

784

00:32:42,560 --> 00:32:40,080

top loader on a bad day the harm or

785

00:32:44,029 --> 00:32:42,570

Xiang kiness doesn't come as much from

786

00:32:47,210 --> 00:32:44,039

the stuff itself but from the fact that

787

00:32:50,269 --> 00:32:47,220

it basically does nothing so Alfred

788

00:32:53,149 --> 00:32:50,279

shonky goes to nature's way kids smart

789

00:32:54,470 --> 00:32:53,159

range things are pretty good look I'm

790

00:32:55,940 --> 00:32:54,480

just gonna grab Julian who's come off

791

00:32:58,490 --> 00:32:55,950

stage look how did you find hosting with

792

00:33:00,289 --> 00:32:58,500

shonky Awards this year well I think I

793

00:33:03,110 --> 00:33:00,299

was the shonky as part of it but look

794

00:33:04,759 --> 00:33:03,120

it's it's a good cause I like a bit of

795

00:33:06,049 --> 00:33:04,769

naming and shaming well yeah and that

796

00:33:07,009 --> 00:33:06,059

goes on here normally you wouldn't want

797

00:33:08,360 --> 00:33:07,019

to do this because she could be worried

798

00:33:09,919 --> 00:33:08,370

about the touch of libel it's got to be

799

00:33:11,029 --> 00:33:09,929

done the careful way hasn't it that's

800

00:33:12,830 --> 00:33:11,039

right that's why Ingrid was on stage

801
00:33:14,480 --> 00:33:12,840
with me because I was kind of

802
00:33:16,549 --> 00:33:14,490
freestyling a bit of defamation and

803
00:33:18,470 --> 00:33:16,559
she's there to keep keep it on an even

804
00:33:19,970 --> 00:33:18,480
keel and make sure that we don't that we

805
00:33:21,590 --> 00:33:19,980
only get into the sort of trouble that

806
00:33:23,119 --> 00:33:21,600
the song is a designed to get you in if

807
00:33:24,440 --> 00:33:23,129
they can almost sunk the entire strand

808
00:33:25,820 --> 00:33:24,450
consumers association by claiming that

809
00:33:27,680 --> 00:33:25,830
Apple had given them free product

810
00:33:28,759 --> 00:33:27,690
everyone so John so that would have

811
00:33:30,499 --> 00:33:28,769
worked the whole the whole reputation

812
00:33:32,570 --> 00:33:30,509
was just a bit of a serving suggestion

813
00:33:34,070 --> 00:33:32,580

for next year's junkies no but they do

814

00:33:35,570 --> 00:33:34,080

they pay for everything which is very

815

00:33:38,180 --> 00:33:35,580

impressive

816

00:33:40,460 --> 00:33:38,190

and I must say I just couldn't watch as

817

00:33:43,130 --> 00:33:40,470

those ipads and iphones went underwater

818

00:33:44,510 --> 00:33:43,140

it just seems just in cruel well i was

819

00:33:47,210 --> 00:33:44,520

always suspicious of course the famous

820

00:33:48,980 --> 00:33:47,220

podcasting host leo laporte actually had

821

00:33:50,420 --> 00:33:48,990

that done to his phone and tested it

822

00:33:52,340 --> 00:33:50,430

live on air and completely destroyed his

823

00:33:53,450 --> 00:33:52,350

phone yeah I'm a bun cigar making its us

824

00:33:55,610 --> 00:33:53,460

about it doesn't seem a little bit

825

00:33:58,100 --> 00:33:55,620

strange any product or service that

826

00:34:00,500 --> 00:33:58,110

advertises itself as being invisible

827

00:34:02,900 --> 00:34:00,510

probably has a few red flags there mmm

828

00:34:05,510 --> 00:34:02,910

dating services are like that really

829

00:34:07,700 --> 00:34:05,520

okay exactly I use a nano dating service

830

00:34:09,470 --> 00:34:07,710

it uses micro fibers here to keep me

831

00:34:10,820 --> 00:34:09,480

single have you used any of those

832

00:34:12,650 --> 00:34:10,830

products I've got to say I've tried to

833

00:34:14,210 --> 00:34:12,660

get mold off the bathroom with little

834

00:34:15,740 --> 00:34:14,220

results and come back buzz and that

835

00:34:18,680 --> 00:34:15,750

explains it that's a pretty shocking one

836

00:34:20,900 --> 00:34:18,690

I mean you know call a product exit mold

837

00:34:25,280 --> 00:34:20,910

one thing that you would expect it to do

838

00:34:27,230 --> 00:34:25,290

is exit mold but apparently not so I'm

839

00:34:29,780 --> 00:34:27,240

not sure they're going to change the the

840

00:34:32,870 --> 00:34:29,790

product name to nothing maybe yeah I

841

00:34:34,370 --> 00:34:32,880

think of it as a homeopathic bathroom

842

00:34:35,780 --> 00:34:34,380

cleaner maybe maybe they could call it

843

00:34:37,940 --> 00:34:35,790

you'll be back in a week that's right

844

00:34:40,220 --> 00:34:37,950

exactly exit the bathroom yes what

845

00:34:42,440 --> 00:34:40,230

shipper and so just mean a brave new

846

00:34:43,370 --> 00:34:42,450

world of you foraging for food consumer

847

00:34:45,020 --> 00:34:43,380

products now you're going to be out

848

00:34:46,880 --> 00:34:45,030

there testing stuff at home more often

849

00:34:48,050 --> 00:34:46,890

you're going to be out there learning /

850

00:34:52,100 --> 00:34:48,060

listening to lawyers what are you gonna

851
00:34:54,080 --> 00:34:52,110
do I must admit I do occasionally get a

852
00:34:56,600 --> 00:34:54,090
bit angry on the phone in particular so

853
00:34:59,960 --> 00:34:56,610
I have moments of of consumer outrage

854
00:35:01,700 --> 00:34:59,970
and yeah look I must say I enjoy the

855
00:35:03,680 --> 00:35:01,710
shot guys I wouldn't mind channeling it

856
00:35:05,330 --> 00:35:03,690
into some sort of future project but I'm

857
00:35:06,830 --> 00:35:05,340
not not sure yet I can see you're still

858
00:35:09,200 --> 00:35:06,840
angry about homeopathy oh yeah

859
00:35:11,300 --> 00:35:09,210
absolutely I have homeopathic rage which

860
00:35:13,100 --> 00:35:11,310
means it's no really rage at all we'll

861
00:35:15,109 --> 00:35:13,110
give a good time here and I see ya good

862
00:35:17,150 --> 00:35:15,119
see a Cheers a little bit

863
00:35:18,529 --> 00:35:17,160

now I'm with someone who's very excited

864

00:35:20,480 --> 00:35:18,539

it's the biggest day of the year for you

865

00:35:21,890 --> 00:35:20,490

where are we who are you what's

866

00:35:24,349 --> 00:35:21,900

happening we're in Sydney we're at the

867

00:35:27,319 --> 00:35:24,359

ivy and we have just announced the eight

868

00:35:29,480 --> 00:35:27,329

winners of choices annual shonky Awards

869

00:35:33,499 --> 00:35:29,490

this is the seventh year for us monad

870

00:35:36,170 --> 00:35:33,509

and this is where we out the dubious the

871

00:35:38,480 --> 00:35:36,180

dodgy the deceitful sometimes the unsafe

872

00:35:40,670 --> 00:35:38,490

products and services that are on the

873

00:35:42,410 --> 00:35:40,680

market for consumers the naming and

874

00:35:43,970 --> 00:35:42,420

shaming works I mean all my

875

00:35:45,349 --> 00:35:43,980

ex-girlfriends you just talk to them and

876

00:35:47,870 --> 00:35:45,359

it works it takes you off the market

877

00:35:51,499 --> 00:35:47,880

right well that's good to know how we

878

00:35:53,480 --> 00:35:51,509

are at the ivy I thought it was pretty

879

00:35:55,430 --> 00:35:53,490

good from chunky awards at the only oh

880

00:35:57,380 --> 00:35:55,440

yeah that's a bit early but I started I

881

00:35:59,779 --> 00:35:57,390

know and here you are in person checking

882

00:36:01,999 --> 00:35:59,789

it out this here are the products the

883

00:36:03,349 --> 00:36:02,009

winners no dating sites there I thought

884

00:36:05,839 --> 00:36:03,359

you might have some dating sites out

885

00:36:08,870 --> 00:36:05,849

there we have certainly named some some

886

00:36:10,700 --> 00:36:08,880

dating sites for having fees and and

887

00:36:12,739 --> 00:36:10,710

some issues in their contracts but this

888

00:36:15,589 --> 00:36:12,749

year eight winners spanning travel

889

00:36:18,710 --> 00:36:15,599

finance digital or technology white

890

00:36:20,930 --> 00:36:18,720

goods and also fine print in some of the

891

00:36:23,900 --> 00:36:20,940

the contracts in terms and conditions

892

00:36:25,849 --> 00:36:23,910

also health and food there's the only

893

00:36:28,460 --> 00:36:25,859

homeopathic remedies for children now

894

00:36:30,759 --> 00:36:28,470

it's not strictly sold as medicine so is

895

00:36:35,239 --> 00:36:30,769

it that dangerous this is a nature's way

896

00:36:38,720 --> 00:36:35,249

kids smart range homeopathic pills that

897

00:36:40,970 --> 00:36:38,730

are marketed or as natural medicines so

898

00:36:42,589 --> 00:36:40,980

there's still medicines in there Isaac

899

00:36:44,059 --> 00:36:42,599

so someone might consider it medicine

900

00:36:46,009 --> 00:36:44,069

even though it's not officially classed

901
00:36:48,229 --> 00:36:46,019
aside when you're reading the labels the

902
00:36:51,319 --> 00:36:48,239
claims say that this is for treating

903
00:36:56,120 --> 00:36:51,329
children with runny noses hey FIFA I'm

904
00:36:59,029 --> 00:36:56,130
cold and fever for kids who are agitated

905
00:37:01,789 --> 00:36:59,039
who are restless and some of these

906
00:37:05,390 --> 00:37:01,799
symptoms are actually symptoms of

907
00:37:07,729 --> 00:37:05,400
potentially infectious diseases where

908
00:37:10,249 --> 00:37:07,739
kids might actually be really sick we

909
00:37:12,049 --> 00:37:10,259
looked at the concentration of the

910
00:37:13,910 --> 00:37:12,059
active ingredients in these products and

911
00:37:16,519 --> 00:37:13,920
we found that it's one drop in the

912
00:37:18,440 --> 00:37:16,529
equivalent of 20,000 Olympic sized pools

913
00:37:19,940 --> 00:37:18,450

it's not the dilution that we're so

914

00:37:21,390 --> 00:37:19,950

worried about because that's part of

915

00:37:23,670 --> 00:37:21,400

homeopathy but

916

00:37:25,860 --> 00:37:23,680

it's the fact that these products are

917

00:37:28,800 --> 00:37:25,870

marketed to parents to look after sick

918

00:37:32,070 --> 00:37:28,810

kids who may by using them be actually

919

00:37:34,140 --> 00:37:32,080

delaying their seeking of professional

920

00:37:35,940 --> 00:37:34,150

medical advice for kids who might be

921

00:37:38,790 --> 00:37:35,950

really sick and that's putting them in

922

00:37:40,530 --> 00:37:38,800

potential potential danger tell me I

923

00:37:43,350 --> 00:37:40,540

scammers becoming smarter or a

924

00:37:45,090 --> 00:37:43,360

consumers not becoming as aware probably

925

00:37:48,750 --> 00:37:45,100

a little bit of both I think scams just

926
00:37:52,200 --> 00:37:48,760
keep ahead of the curve but consumers

927
00:37:54,270 --> 00:37:52,210
now have more information at their

928
00:37:59,040 --> 00:37:54,280
fingertips than ever before when they

929
00:38:01,650 --> 00:37:59,050
purchase so using your mobile phone your

930
00:38:04,050 --> 00:38:01,660
iPad your tablet computer you can do

931
00:38:06,060 --> 00:38:04,060
your research on the spot in a store not

932
00:38:08,430 --> 00:38:06,070
just price comparisons but you can check

933
00:38:10,530 --> 00:38:08,440
our choice reports for example they give

934
00:38:12,510 --> 00:38:10,540
you the critical information that cuts

935
00:38:14,970 --> 00:38:12,520
through the marketing spin and it's the

936
00:38:16,230 --> 00:38:14,980
key thing for consumers to remember okay

937
00:38:17,820 --> 00:38:16,240
look thank you very time you've got a

938
00:38:37,240 --> 00:38:17,830

lot of interviews up here and like be

939

00:38:43,010 --> 00:38:40,819

more scientists in Pollard how good

940

00:38:46,640 --> 00:38:43,020

would that be well you can find out that

941

00:38:50,150 --> 00:38:46,650

Canberra there's a lecture by dr. will

942

00:38:54,650 --> 00:38:50,160

grant on the tenth of November 2010 time

943

00:38:56,660 --> 00:38:54,660

is 130 p.m. til 330 p.m. at the CSIRO

944

00:38:59,859 --> 00:38:56,670

Discovery Center clooney's ross street

945

00:39:04,160 --> 00:38:59,869

actin in the acct in canberra there

946

00:39:06,319 --> 00:39:04,170

admission is free we often hear moans

947

00:39:09,170 --> 00:39:06,329

that our current Parliament features far

948

00:39:11,450 --> 00:39:09,180

too few scientists and instead it is

949

00:39:13,880 --> 00:39:11,460

packed with lawyers economists and used

950

00:39:15,349 --> 00:39:13,890

car salesman but what would it actually

951
00:39:17,720 --> 00:39:15,359
mean to pack our parliament with

952
00:39:20,240 --> 00:39:17,730
scientists would we really get better

953
00:39:23,240 --> 00:39:20,250
policy outcomes would we get truly

954
00:39:25,280 --> 00:39:23,250
evidence-based policy in this talk will

955
00:39:27,710 --> 00:39:25,290
grant will explore how scientists and

956
00:39:30,650 --> 00:39:27,720
politicians might work together for the

957
00:39:32,569 --> 00:39:30,660
best policy outcomes more information

958
00:39:39,400 --> 00:39:32,579
about this talk on the tenth of November

959
00:39:41,809 --> 00:39:39,410
at ww Canberra skeptics org a you and

960
00:39:43,309 --> 00:39:41,819
while you're there you might check out

961
00:39:45,589 --> 00:39:43,319
the information about another talk

962
00:39:48,710 --> 00:39:45,599
coming up the last Canberra skeptics

963
00:39:51,470 --> 00:39:48,720

meeting ever a sceptical take on the

964

00:39:53,660 --> 00:39:51,480

upcoming end of the world with our very

965

00:39:57,290 --> 00:39:53,670

own Peter Babbage and that's on the

966

00:40:00,620 --> 00:39:57,300

eighth of December 2012 at D CSIRO

967

00:40:03,740 --> 00:40:00,630

discovery center as well admission is

968

00:40:05,599 --> 00:40:03,750

free more scientists in Parliament and

969

00:40:08,630 --> 00:40:05,609

the end of the world I don't think the

970

00:40:11,780 --> 00:40:08,640

to necessarily go together visit www

971

00:40:14,480 --> 00:40:11,790

Canberra skeptics org au for more

972

00:40:25,870 --> 00:40:14,490

information about these free public

973

00:40:36,500 --> 00:40:29,270

join us now for drinking skeptically in

974

00:40:38,480 --> 00:40:36,510

the think tank add once again listeners

975

00:40:41,240 --> 00:40:38,490

as we do periodically maybe that once a

976

00:40:44,870 --> 00:40:41,250

year we're back in our lovely Southern

977

00:40:48,350 --> 00:40:44,880

California in the Orange County called

978

00:40:51,680 --> 00:40:48,360

because it's orange but was it is orange

979

00:40:54,470 --> 00:40:51,690

because of halloween that's uh huh I see

980

00:40:56,360 --> 00:40:54,480

and I'm here in the hot tub of truth I'm

981

00:41:03,880 --> 00:40:56,370

surrounded by so many skeptics I can't

982

00:41:06,740 --> 00:41:03,890

tell you but cheers everybody bloody hmm

983

00:41:08,390 --> 00:41:06,750

that's a Brian come on skip to keep

984

00:41:11,240 --> 00:41:08,400

roads and I and we're a little jealous

985

00:41:12,740 --> 00:41:11,250

that I got invited I'm like wow let's do

986

00:41:19,100 --> 00:41:12,750

the circle here let's introduce

987

00:41:22,160 --> 00:41:19,110

everybody starting on my right Oh me I'm

988

00:41:24,110 --> 00:41:22,170

penny gem of a skeptic zone you know me

989

00:41:25,220 --> 00:41:24,120

but I also do skeptically phoned pretty

990

00:41:26,720 --> 00:41:25,230

for your thoughts ready for your

991

00:41:29,690 --> 00:41:26,730

thoughts and you can you thought that's

992

00:41:31,670 --> 00:41:29,700

missing there you are oh hey I'm Rachel

993

00:41:34,010 --> 00:41:31,680

bloom I do sketches in music videos

994

00:41:38,630 --> 00:41:34,020

under the username Rachel does stuff on

995

00:41:40,670 --> 00:41:38,640

YouTube and I write for the adult swim

996

00:41:42,740 --> 00:41:40,680

show robot chicken and you did the

997

00:41:45,800 --> 00:41:42,750

lovely singing in bryan Dunning's

998

00:41:48,320 --> 00:41:45,810

episode of 7 Jeff sequin secretly digi

999

00:41:50,960 --> 00:41:48,330

Queen which was fantastic yeah and she

1000

00:41:53,780 --> 00:41:50,970

is coming up in skeptically poem 2012

1001
00:41:56,570 --> 00:41:53,790
might have some John rail a creator

1002
00:41:58,670 --> 00:41:56,580
person of skeptically pwned I'm Jim

1003
00:42:00,470 --> 00:41:58,680
Brown other creator person of

1004
00:42:03,110 --> 00:42:00,480
skeptically pwned I sent some

1005
00:42:06,260 --> 00:42:03,120
competition there no one of us has to

1006
00:42:10,490 --> 00:42:06,270
die that's all I Mary nothing and I'm

1007
00:42:15,040 --> 00:42:10,500
just a person that's cool yeah future

1008
00:42:18,020 --> 00:42:15,050
present future Penn State has a plan for

1009
00:42:20,540 --> 00:42:18,030
some country I think it involves polar

1010
00:42:22,520 --> 00:42:20,550
bears and we have I'm Brian Dunning from

1011
00:42:24,810 --> 00:42:22,530
sceptile haha where have I heard that

1012
00:42:29,790 --> 00:42:24,820
before and I am NOT Brian

1013
00:42:33,480 --> 00:42:29,800

I'm Lisa died mrs. sketchy-looking saucy

1014

00:42:36,480 --> 00:42:33,490

f9 so what a thrill it is to be back in

1015

00:42:39,150 --> 00:42:36,490

the hot tub run this is a good hot tub

1016

00:42:40,590 --> 00:42:39,160

of Troop I think over the years and it's

1017

00:42:44,460 --> 00:42:40,600

the first one that we've actually worn

1018

00:42:50,100 --> 00:42:44,470

bathing suits yeah Shh ok what do that

1019

00:42:54,060 --> 00:42:50,110

damn it why do we have early start so

1020

00:42:56,280 --> 00:42:54,070

Brian um now what we can we can allude

1021

00:43:00,080 --> 00:42:56,290

to some big news coming up for skipped I

1022

00:43:02,880 --> 00:43:00,090

think without giving too much away I am

1023

00:43:05,790 --> 00:43:02,890

working at bringing sceptile to a larger

1024

00:43:07,740 --> 00:43:05,800

market and you can use your imagination

1025

00:43:11,550 --> 00:43:07,750

to guess what market that I'm using all

1026

00:43:13,470 --> 00:43:11,560

kinds of imagination right that's good

1027

00:43:18,320 --> 00:43:13,480

yeah then that's all the hint you can

1028

00:43:26,970 --> 00:43:20,340

information it's close to be using our

1029

00:43:36,870 --> 00:43:26,980

imagination it's called sex toy dear sir

1030

00:43:38,250 --> 00:43:36,880

he debunks many myths I hope that

1031

00:43:40,850 --> 00:43:38,260

doesn't include a video I've been

1032

00:43:43,860 --> 00:43:40,860

relying on those myths for so long

1033

00:43:45,450 --> 00:43:43,870

speaking of videos and there a number of

1034

00:43:48,000 --> 00:43:45,460

people here in the hot tub who are

1035

00:43:50,460 --> 00:43:48,010

involved in videos but Brian um I think

1036

00:43:52,920 --> 00:43:50,470

was it last time I just think he a year

1037

00:43:56,580 --> 00:43:52,930

ago you or maybe even before the new won

1038

00:43:58,860 --> 00:43:56,590

an award for here be dragons oh yeah it

1039

00:44:03,300 --> 00:43:58,870

was at a film festival up and up in

1040

00:44:04,890 --> 00:44:03,310

Portland Oregon and yeah it was like the

1041

00:44:07,710 --> 00:44:04,900

the juried award or something like that

1042

00:44:09,810 --> 00:44:07,720

because I as my listeners know last week

1043

00:44:15,150 --> 00:44:09,820

I was visiting a school in vacaville in

1044

00:44:16,890 --> 00:44:15,160

California and they you know it will c

1045

00:44:18,900 --> 00:44:16,900

wood high school and they showed the

1046

00:44:21,960 --> 00:44:18,910

kids in science class can't be dragon

1047

00:44:23,880 --> 00:44:21,970

yeah ever since the thing with here be

1048

00:44:25,470 --> 00:44:23,890

dragons is it was made by one guy with

1049

00:44:27,420 --> 00:44:25,480

no clue setting the camera up on a

1050

00:44:29,790 --> 00:44:27,430

tripod and standing in front of it so it

1051
00:44:32,550 --> 00:44:29,800
was like totally modest production

1052
00:44:35,220 --> 00:44:32,560
values but the rapes that its end up

1053
00:44:37,690 --> 00:44:35,230
having has just constantly amazed me my

1054
00:44:39,310 --> 00:44:37,700
favorite part is the part with Lisa

1055
00:44:44,530 --> 00:44:39,320
yeah that's everyone's face my favorite

1056
00:44:46,150 --> 00:44:44,540
comment on that was so many shirts for

1057
00:44:48,490 --> 00:44:46,160
some reason I thought it was necessary

1058
00:44:50,290 --> 00:44:48,500
to change clothes in every single shot

1059
00:44:52,600 --> 00:44:50,300
and you have so many shirts in that my

1060
00:44:55,210 --> 00:44:52,610
favorite part was the Pacifico beer you

1061
00:44:57,280 --> 00:44:55,220
were rocking yes yes yes there's the

1062
00:44:59,890 --> 00:44:57,290
famous outtake from that where I put the

1063
00:45:01,870 --> 00:44:59,900

beer up to my lips and took a sway any

1064

00:45:03,130 --> 00:45:01,880

other gather hadn't been any beer at the

1065

00:45:06,460 --> 00:45:03,140

house at the time so I went out to the

1066

00:45:08,800 --> 00:45:06,470

trash can and literally rubbish oh and

1067

00:45:14,050 --> 00:45:08,810

when I put it up to my lips I got a

1068

00:45:16,780 --> 00:45:14,060

medal full of something oh you ever sink

1069

00:45:19,120 --> 00:45:16,790

in your home sherry you're just telling

1070

00:45:20,860 --> 00:45:19,130

me recently how and if we look over the

1071

00:45:22,450 --> 00:45:20,870

hot tub we can see your your nice little

1072

00:45:25,360 --> 00:45:22,460

yard here how it's been invaded by

1073

00:45:29,140 --> 00:45:25,370

raccoons oh I hope the raccoons weren't

1074

00:45:31,180 --> 00:45:29,150

invading your trash can that's the

1075

00:45:33,940 --> 00:45:31,190

raccoons come and eat the grubs actually

1076

00:45:37,030 --> 00:45:33,950

it's been a neighborhood wide interest

1077

00:45:38,470 --> 00:45:37,040

our city would but so yeah true story we

1078

00:45:40,930 --> 00:45:38,480

actually downloaded that before we ever

1079

00:45:42,550 --> 00:45:40,940

met you that's really hot here we hang

1080

00:45:45,340 --> 00:45:42,560

it's very cool thank you for doing them

1081

00:45:46,870 --> 00:45:45,350

unless marked I love the pot in here be

1082

00:45:49,360 --> 00:45:46,880

dragons where he's talking about New Age

1083

00:45:52,600 --> 00:45:49,370

energy he's running across a pot chased

1084

00:45:54,550 --> 00:45:52,610

by this blogger baby I think from Star

1085

00:45:56,980 --> 00:45:54,560

Trek just like a blob of and every did

1086

00:45:59,380 --> 00:45:56,990

he get a credit in that I think yeah i

1087

00:46:01,870 --> 00:45:59,390

did on one scene it was the part was

1088

00:46:03,430 --> 00:46:01,880

like the monsters in manner seemed all

1089

00:46:05,740 --> 00:46:03,440

it was when he was reading the book on

1090

00:46:09,070 --> 00:46:05,750

the bread calyx upstairs my job was

1091

00:46:11,380 --> 00:46:09,080

pushing record and pushing record again

1092

00:46:12,670 --> 00:46:11,390

to stop it we're proud good enough good

1093

00:46:14,110 --> 00:46:12,680

job be surprised about how many

1094

00:46:16,960 --> 00:46:14,120

professionals in hollywood mess that up

1095

00:46:18,610 --> 00:46:16,970

yeah Rachel of course for you know your

1096

00:46:20,950 --> 00:46:18,620

video is a fantastic we were just

1097

00:46:22,690 --> 00:46:20,960

looking at some earlier before we enter

1098

00:46:25,900 --> 00:46:22,700

the hot tub and just laughing so hard

1099

00:46:27,130 --> 00:46:25,910

you're wonderful comic music video I

1100

00:46:30,130 --> 00:46:27,140

think they're comic I'd like to thank

1101
00:46:32,980 --> 00:46:30,140
some and without honestly without trying

1102
00:46:34,540 --> 00:46:32,990
to flatter you i was there in the studio

1103
00:46:37,150 --> 00:46:34,550
when you recorded brian Downing's

1104
00:46:40,410 --> 00:46:37,160
episode the Gypsy queen and I was just

1105
00:46:42,750 --> 00:46:40,420
captivated by your voice and I'm here

1106
00:46:45,450 --> 00:46:42,760
really she came at us with no rehearsal

1107
00:46:47,850 --> 00:46:45,460
no practice I ramed literally just

1108
00:46:50,070 --> 00:46:47,860
started on first tape recording yeah I

1109
00:46:51,810 --> 00:46:50,080
think I listen to it in the car ride

1110
00:46:55,410 --> 00:46:51,820
there cuz I thought there was she music

1111
00:46:58,110 --> 00:46:55,420
yet yeah it's I've been singing my whole

1112
00:47:00,840 --> 00:46:58,120
life and you know hey I went to a really

1113
00:47:03,000 --> 00:47:00,850

good um college-conservatory that had

1114

00:47:04,950 --> 00:47:03,010

very good vocal technique classes it

1115

00:47:07,500 --> 00:47:04,960

really really kicked your ass you sound

1116

00:47:09,720 --> 00:47:07,510

awful thank you lecie Sanders whos the

1117

00:47:11,910 --> 00:47:09,730

composer on the Gypsy queen and who's a

1118

00:47:13,980 --> 00:47:11,920

you know successful professional

1119

00:47:16,380 --> 00:47:13,990

composer in Hollywood he was very

1120

00:47:18,750 --> 00:47:16,390

impressed oh he was great his music was

1121

00:47:20,100 --> 00:47:18,760

awesome Lee is the best you know in your

1122

00:47:21,600 --> 00:47:20,110

life you look back and you think I

1123

00:47:23,340 --> 00:47:21,610

remember that time I remember that well

1124

00:47:25,650 --> 00:47:23,350

that day we were at least Sanders house

1125

00:47:27,300 --> 00:47:25,660

to record that episode with you singing

1126

00:47:29,310 --> 00:47:27,310

and Lee being just the charming

1127

00:47:32,280 --> 00:47:29,320

wonderful man ears that's one of those

1128

00:47:33,510 --> 00:47:32,290

days that is ingrained in my head it was

1129

00:47:36,840 --> 00:47:33,520

really fun we went to that amazing

1130

00:47:39,090 --> 00:47:36,850

random the german restaurant guys

1131

00:47:45,450 --> 00:47:39,100

there's a really good german restaurant

1132

00:47:48,060 --> 00:47:45,460

right by LAX it was so good it was like

1133

00:47:49,620 --> 00:47:48,070

it was in westchester it's a it's

1134

00:47:51,870 --> 00:47:49,630

probably the only german restaurant in

1135

00:47:54,480 --> 00:47:51,880

westchester I imagine that's probably

1136

00:47:56,910 --> 00:47:54,490

specific it was song go so good i think

1137

00:47:59,370 --> 00:47:56,920

i had like a deer steak or so quiet

1138

00:48:01,860 --> 00:47:59,380

that's right yeah i like some crazy stay

1139

00:48:04,920 --> 00:48:01,870

yeah yeah but I was like whatever never

1140

00:48:07,200 --> 00:48:04,930

to go there its beauty delays that many

1141

00:48:09,030 --> 00:48:07,210

of my listeners of course but listen to

1142

00:48:10,560 --> 00:48:09,040

skip toid every week and I'd be familiar

1143

00:48:12,630 --> 00:48:10,570

but if you haven't heard episode three

1144

00:48:13,980 --> 00:48:12,640

hundred the the secret of the Gypsy

1145

00:48:16,050 --> 00:48:13,990

queen the secret of the Gypsy way

1146

00:48:17,970 --> 00:48:16,060

there's there's of course just the audio

1147

00:48:20,460 --> 00:48:17,980

which is it's basically a fairytale

1148

00:48:21,870 --> 00:48:20,470

story about a little girl who saves her

1149

00:48:23,520 --> 00:48:21,880

kingdom when she's the only one who

1150

00:48:25,950 --> 00:48:23,530

doesn't buy into the pop pseudoscience

1151
00:48:29,220 --> 00:48:25,960
of the u.s. cough so there's the musical

1152
00:48:30,630 --> 00:48:29,230
story and song in just the audio podcast

1153
00:48:32,760 --> 00:48:30,640
and also you can go to youtube and you

1154
00:48:34,320 --> 00:48:32,770
can see the whole video which was

1155
00:48:36,720 --> 00:48:34,330
illustrated by a children's illustrator

1156
00:48:38,240 --> 00:48:36,730
named jesse horn whoohoo in from he was

1157
00:48:40,370 --> 00:48:38,250
in Arizona

1158
00:48:42,470 --> 00:48:40,380
really good and you can buy the

1159
00:48:44,690 --> 00:48:42,480
children's book you can find the blog as

1160
00:48:47,120 --> 00:48:44,700
well strated the secret of the Gypsy

1161
00:48:49,060 --> 00:48:47,130
queen is on amazon.com Jesse did the

1162
00:48:52,040 --> 00:48:49,070
illustrations for that and it's it's

1163
00:48:53,600 --> 00:48:52,050

really a terrific piece I love a great

1164

00:48:55,070 --> 00:48:53,610

piece of art even though you don't have

1165

00:48:57,080 --> 00:48:55,080

a little kid who will enjoy the story

1166

00:48:59,030 --> 00:48:57,090

yeah and doing that piece actually got

1167

00:49:02,300 --> 00:48:59,040

me because I always been interested in

1168

00:49:03,860 --> 00:49:02,310

in like The Skeptical area and I just

1169

00:49:06,140 --> 00:49:03,870

had like left it for a while I actually

1170

00:49:08,180 --> 00:49:06,150

was subscribed I had I got the skeptical

1171

00:49:10,160 --> 00:49:08,190

inquirer when I was like 12 yo kid right

1172

00:49:11,870 --> 00:49:10,170

here yep yeah because I was always from

1173

00:49:13,160 --> 00:49:11,880

a very young age like all of you started

1174

00:49:15,560 --> 00:49:13,170

I was really interested in ghosts and

1175

00:49:16,970 --> 00:49:15,570

aliens starting like age 8 and then I

1176
00:49:18,320 --> 00:49:16,980
started getting into skepticism and then

1177
00:49:20,060 --> 00:49:18,330
I left it for a while and then doing

1178
00:49:21,830 --> 00:49:20,070
that episode actually kind of started to

1179
00:49:23,870 --> 00:49:21,840
bring me back to it this world and i

1180
00:49:28,190 --> 00:49:23,880
really like and as you say you've been

1181
00:49:29,990 --> 00:49:28,200
listening to skip toy i have been there

1182
00:49:31,700 --> 00:49:30,000
back in how embarrassing is it for

1183
00:49:33,080 --> 00:49:31,710
someone like me who thinks brian is a

1184
00:49:37,820 --> 00:49:33,090
complete dork but i'm recommending

1185
00:49:43,550 --> 00:49:37,830
skipped I to everybody stitchers of

1186
00:49:45,620 --> 00:49:43,560
Richard's episodes come out for that so

1187
00:49:47,450 --> 00:49:45,630
and the question is I think and I've put

1188
00:49:50,570 --> 00:49:47,460

this to you before when is here be

1189

00:49:52,970 --> 00:49:50,580

dragons to you well as you know I've

1190

00:49:55,550 --> 00:49:52,980

been applying for 501 C 3 which is the

1191

00:49:57,440 --> 00:49:55,560

US nonprofit status yeah and it has

1192

00:49:59,420 --> 00:49:57,450

literally taken over a year and a half

1193

00:50:01,520 --> 00:49:59,430

now you're still going to nonprofit

1194

00:50:03,110 --> 00:50:01,530

router and yet the government has the

1195

00:50:04,670 --> 00:50:03,120

last the final piece of paperwork is in

1196

00:50:06,200 --> 00:50:04,680

their hands they've got my check and I'm

1197

00:50:07,310 --> 00:50:06,210

just waiting as soon as that comes

1198

00:50:09,560 --> 00:50:07,320

through then I'm gonna put up a

1199

00:50:11,870 --> 00:50:09,570

Kickstarter project you can see tax

1200

00:50:13,400 --> 00:50:11,880

deduct wait you have to pay for it too

1201

00:50:16,040 --> 00:50:13,410

we have to give them a check in order oh

1202

00:50:17,980 --> 00:50:16,050

yeah you gotta you gotta say with eight

1203

00:50:20,210 --> 00:50:17,990

hundred fifty dollars along with

1204

00:50:23,450 --> 00:50:20,220

application and the application is just

1205

00:50:26,060 --> 00:50:23,460

it's just it's a joke yeah hey Brian you

1206

00:50:28,580 --> 00:50:26,070

just want anybody to have a profit yeah

1207

00:50:30,380 --> 00:50:28,590

yeah if the answer isn't too boring why

1208

00:50:33,320 --> 00:50:30,390

did you decide to go the nonprofit rock

1209

00:50:35,410 --> 00:50:33,330

you know well in order to I've always

1210

00:50:38,930 --> 00:50:35,420

been a big believer that in order to

1211

00:50:40,550 --> 00:50:38,940

successfully produce skeptical material

1212

00:50:41,930 --> 00:50:40,560

or any material it's got to be something

1213

00:50:44,240 --> 00:50:41,940

that people are willing to pay for

1214

00:50:46,970 --> 00:50:44,250

mm-hmm so I've always taken a very

1215

00:50:48,800 --> 00:50:46,980

pragmatic commercial look at doing the

1216

00:50:51,620 --> 00:50:48,810

podcast and that's why I do it full time

1217

00:50:53,360 --> 00:50:51,630

now because there's barely enough listen

1218

00:50:56,210 --> 00:50:53,370

subscriptions to allow me to scrape by

1219

00:50:58,340 --> 00:50:56,220

doing it full time I've heard from many

1220

00:50:59,930 --> 00:50:58,350

people many times that if it was

1221

00:51:03,890 --> 00:50:59,940

tax-deductible they would contribute

1222

00:51:06,500 --> 00:51:03,900

more which makes all the sense in the

1223

00:51:09,200 --> 00:51:06,510

world began what I'm doing already is

1224

00:51:11,120 --> 00:51:09,210

meets all the qualifications it meets

1225

00:51:12,920 --> 00:51:11,130

the the intent of the law firm for

1226

00:51:15,410 --> 00:51:12,930

nonprofits I'm providing a free

1227

00:51:17,870 --> 00:51:15,420

educational resource yeah yeah yeah and

1228

00:51:20,660 --> 00:51:17,880

so that's that's the direction that I

1229

00:51:23,000 --> 00:51:20,670

decided to go with with the commercial

1230

00:51:24,530 --> 00:51:23,010

angle I don't think that if I made it

1231

00:51:26,540 --> 00:51:24,540

like you had to buy it I don't think it

1232

00:51:28,490 --> 00:51:26,550

would be successful but i think that

1233

00:51:30,470 --> 00:51:28,500

people who get behind it who believe in

1234

00:51:33,080 --> 00:51:30,480

the material and will continue to

1235

00:51:35,870 --> 00:51:33,090

support it I'm absolutely thrilled that

1236

00:51:37,760 --> 00:51:35,880

you don't that it's free and the skeptic

1237

00:51:40,610 --> 00:51:37,770

zone is oh yeah and if people want to

1238

00:51:42,860 --> 00:51:40,620

chip in I'm thrilled in the light and

1239

00:51:44,990 --> 00:51:42,870

I'm so grateful but it should be free

1240

00:51:46,640 --> 00:51:45,000

union should be friends do you know how

1241

00:51:48,680 --> 00:51:46,650

about subscribers or listeners you have

1242

00:51:51,740 --> 00:51:48,690

is there a way to more than me I have

1243

00:51:54,770 --> 00:51:51,750

well you know it's interesting I'm like

1244

00:51:56,480 --> 00:51:54,780

like most podcasts I use a company

1245

00:51:58,670 --> 00:51:56,490

called libsyn that hosts the files

1246

00:52:01,670 --> 00:51:58,680

because the band width would be

1247

00:52:04,340 --> 00:52:01,680

completely prohibited the boys so libsyn

1248

00:52:06,920 --> 00:52:04,350

provides their own statistics however I

1249

00:52:09,050 --> 00:52:06,930

having a web development background I I

1250

00:52:10,910 --> 00:52:09,060

track it all through my own web server

1251
00:52:13,280 --> 00:52:10,920
oh really and the statistics that I come

1252
00:52:15,830 --> 00:52:13,290
up with the method i'm satisfied with

1253
00:52:19,010 --> 00:52:15,840
our greatly different than the ones

1254
00:52:21,710 --> 00:52:19,020
libsyn comes well good or bad minor

1255
00:52:23,750 --> 00:52:21,720
minor higher libsyn doesn't count a lot

1256
00:52:26,330 --> 00:52:23,760
of the listen the lessons that I kept

1257
00:52:28,280 --> 00:52:26,340
and really it's a really it's really

1258
00:52:30,230 --> 00:52:28,290
complicated it's not simply counting IP

1259
00:52:33,860 --> 00:52:30,240
addresses or counting downloads it's

1260
00:52:35,600 --> 00:52:33,870
it's people in neighborhoods served by

1261
00:52:37,790 --> 00:52:35,610
cable modems for example they all look

1262
00:52:39,380 --> 00:52:37,800
like the same IP address and then some

1263
00:52:41,450 --> 00:52:39,390

people's copy of itunes will try and

1264

00:52:43,130 --> 00:52:41,460

download it 16 times because it fails

1265

00:52:46,040 --> 00:52:43,140

yeah so there's there's a lot of

1266

00:52:48,710 --> 00:52:46,050

variables okay what the quality of

1267

00:52:50,870 --> 00:52:48,720

research that you do is a full-time job

1268

00:52:53,630 --> 00:52:50,880

it is you can tell you put in a lot of

1269

00:52:57,230 --> 00:52:53,640

time and effort into each of the

1270

00:52:59,270 --> 00:52:57,240

episodes so it should be a full-time get

1271

00:53:01,310 --> 00:52:59,280

paid for that being said you should

1272

00:53:02,810 --> 00:53:01,320

people you know it's great that it's for

1273

00:53:04,430 --> 00:53:02,820

free I don't want this I want this

1274

00:53:04,880 --> 00:53:04,440

recorded Richard I just gave him an

1275

00:53:08,150 --> 00:53:04,890

assigned

1276
00:53:09,740 --> 00:53:08,160
for the Hollow Earth theory so all over

1277
00:53:12,050 --> 00:53:09,750
there is out there brought me three

1278
00:53:16,160 --> 00:53:12,060
books so I that is more books than

1279
00:53:18,500 --> 00:53:16,170
anybody else on earth oh yeah I think

1280
00:53:20,480 --> 00:53:18,510
the take-home message for skeptic zone

1281
00:53:23,720 --> 00:53:20,490
listeners is if you can afford it after

1282
00:53:25,430 --> 00:53:23,730
you've contributed to the skipping so as

1283
00:53:28,940 --> 00:53:25,440
a few pennies that are left sending

1284
00:53:30,770 --> 00:53:28,950
Brian Dunning thank you but I never

1285
00:53:35,930 --> 00:53:30,780
solicit my own donations on someone

1286
00:53:38,270 --> 00:53:35,940
else's show masse I've been zing to gain

1287
00:53:40,190 --> 00:53:38,280
by behind coming oh I have a question

1288
00:53:44,300 --> 00:53:40,200

for both of you yeah cuz there ever been

1289

00:53:46,190 --> 00:53:44,310

a topic that you that you bunked but

1290

00:53:48,530 --> 00:53:46,200

like there are what's the topic that's

1291

00:53:50,060 --> 00:53:48,540

left the most mystery still to you not

1292

00:53:51,500 --> 00:53:50,070

that not that you're convinced it might

1293

00:53:53,120 --> 00:53:51,510

be real but but is there any topic that

1294

00:53:54,290 --> 00:53:53,130

like there are some things you still

1295

00:53:56,510 --> 00:53:54,300

can't explain you know that they're

1296

00:53:58,310 --> 00:53:56,520

explainable but you can't come very good

1297

00:54:00,710 --> 00:53:58,320

question yeah it's it's it's the most

1298

00:54:03,410 --> 00:54:00,720

the most common question I get in some

1299

00:54:05,630 --> 00:54:03,420

form yeah you know it's what's what's

1300

00:54:07,250 --> 00:54:05,640

the occasion where the supernatural

1301

00:54:09,350 --> 00:54:07,260

explanation turned out to be the true

1302

00:54:11,750 --> 00:54:09,360

one well I would come up with but but

1303

00:54:13,850 --> 00:54:11,760

yes I know what you're saying um and and

1304

00:54:16,490 --> 00:54:13,860

really there's there's many many cases

1305

00:54:18,080 --> 00:54:16,500

where we simply don't know mm-hmm and a

1306

00:54:21,290 --> 00:54:18,090

lot of them are something that was like

1307

00:54:24,560 --> 00:54:21,300

it that's me what's you squeezing me

1308

00:54:26,210 --> 00:54:24,570

under the world hit me and I wonder the

1309

00:54:32,090 --> 00:54:26,220

second you guys start taping skeptical

1310

00:54:33,980 --> 00:54:32,100

toppers and start getting it on it

1311

00:54:37,100 --> 00:54:33,990

excites me it's extremely this

1312

00:54:39,320 --> 00:54:37,110

mysterious foot just hahaha was touching

1313

00:54:41,090 --> 00:54:39,330

that was my thought whose full well yeah

1314

00:54:42,500 --> 00:54:41,100

I'm trying to stretch out because I've

1315

00:54:45,310 --> 00:54:42,510

been crumpled into a ball over here it

1316

00:54:48,710 --> 00:54:45,320

was a boy my place this is anyone just

1317

00:54:51,260 --> 00:54:48,720

on Richards lap and then we'll just like

1318

00:54:54,500 --> 00:54:51,270

make a way he's the easy let's say you

1319

00:54:55,790 --> 00:54:54,510

Brian you Vinick I thought my question

1320

00:55:01,760 --> 00:54:55,800

was like super unique but apparently

1321

00:55:03,230 --> 00:55:01,770

it's the most because you're what you're

1322

00:55:04,790 --> 00:55:03,240

really asking is what everyone's

1323

00:55:06,440 --> 00:55:04,800

fundamentally asking when they want to

1324

00:55:08,120 --> 00:55:06,450

tune in to a show like this yeah they

1325

00:55:09,390 --> 00:55:08,130

want to know you know what's a what's a

1326

00:55:11,880 --> 00:55:09,400

real mystery what

1327

00:55:14,040 --> 00:55:11,890

and and really there's so many of these

1328

00:55:17,190 --> 00:55:14,050

and it's it's usually things where all

1329

00:55:19,560 --> 00:55:17,200

of the evidence was anecdotal like if

1330

00:55:21,780 --> 00:55:19,570

it's a UFO I absolutely agree okay we

1331

00:55:23,520 --> 00:55:21,790

have no idea what actually happened in

1332

00:55:25,710 --> 00:55:23,530

this case if somebody comes to us and

1333

00:55:27,630 --> 00:55:25,720

says I was in my backyard yesterday I

1334

00:55:29,250 --> 00:55:27,640

was weeding the garden I looked up in a

1335

00:55:31,830 --> 00:55:29,260

UFO flew over how do you explain that

1336

00:55:33,420 --> 00:55:31,840

yeah yeah I can't explain that what do

1337

00:55:35,040 --> 00:55:33,430

we do I'm the world's least qualified

1338

00:55:36,960 --> 00:55:35,050

person to explain that I wasn't there

1339

00:55:38,190 --> 00:55:36,970

right I have no idea what you may have

1340

00:55:41,940 --> 00:55:38,200

seen I don't know if you're actually

1341

00:55:44,100 --> 00:55:41,950

trying to pull my leg right oh you

1342

00:55:46,380 --> 00:55:44,110

genuine oh what happened you know yeah

1343

00:55:47,940 --> 00:55:46,390

earlier Rachel you were flinging ghost

1344

00:55:49,230 --> 00:55:47,950

stories at us and I'm you know I'm going

1345

00:55:50,730 --> 00:55:49,240

to skip and go around I'm like did it

1346

00:55:53,520 --> 00:55:50,740

all take place in the same room with the

1347

00:55:55,460 --> 00:55:53,530

same circumstance no okay to take place

1348

00:55:59,130 --> 00:55:55,470

where the same person no okay did it I

1349

00:56:00,810 --> 00:55:59,140

don't know yeah ghost stories from

1350

00:56:02,490 --> 00:56:00,820

various friends but like as a skeptic

1351

00:56:04,230 --> 00:56:02,500

I've been trying to like fire reasons

1352

00:56:05,430 --> 00:56:04,240

for and some like n some what are you

1353

00:56:07,640 --> 00:56:05,440

that's the problem one of the biggest

1354

00:56:11,460 --> 00:56:07,650

mistakes any other skeptics make and

1355

00:56:13,080 --> 00:56:11,470

people trying to unravel things is the

1356

00:56:15,270 --> 00:56:13,090

first thing is well did it really happen

1357

00:56:17,100 --> 00:56:15,280

I'd this person is telling me something

1358

00:56:18,930 --> 00:56:17,110

but that doesn't mean it happen yeah

1359

00:56:20,910 --> 00:56:18,940

like they're telling me what happened at

1360

00:56:23,280 --> 00:56:20,920

all sure yeah and then you end up trying

1361

00:56:24,720 --> 00:56:23,290

to explain their memory yeah and that's

1362

00:56:25,950 --> 00:56:24,730

what John was saying that it's it's work

1363

00:56:27,900 --> 00:56:25,960

that you guys are always saying words

1364

00:56:29,580 --> 00:56:27,910

it's also something of doing selective

1365

00:56:31,260 --> 00:56:29,590

memories what it were they putting

1366

00:56:33,630 --> 00:56:31,270

pieces together didn't necessarily work

1367

00:56:36,150 --> 00:56:33,640

yeah yes which is which is what happened

1368

00:56:39,120 --> 00:56:36,160

for the whole area 51 excuse me the

1369

00:56:43,050 --> 00:56:39,130

whole Roswell alien crash story was

1370

00:56:45,800 --> 00:56:43,060

basically memories of one man over a

1371

00:56:48,990 --> 00:56:45,810

period of something like 20 years yeah

1372

00:56:51,030 --> 00:56:49,000

20 years later after that he was

1373

00:56:52,380 --> 00:56:51,040

compelled by a reporter to try and put

1374

00:56:53,910 --> 00:56:52,390

together a nice together maybe

1375

00:56:56,310 --> 00:56:53,920

completely different than the original

1376

00:56:57,870 --> 00:56:56,320

story he gave wasn't it well that that's

1377

00:57:00,030 --> 00:56:57,880

what's fascinating is because the Air

1378

00:57:01,740 --> 00:57:00,040

Force when they received that Government

1379

00:57:05,040 --> 00:57:01,750

Accounting Office Freedom of Information

1380

00:57:07,140 --> 00:57:05,050

Act to investigate what actually

1381

00:57:09,960 --> 00:57:07,150

happened at Roswell they did in a

1382

00:57:12,090 --> 00:57:09,970

staggeringly thorough job and they went

1383

00:57:14,520 --> 00:57:12,100

through all of this one doctors memories

1384

00:57:16,140 --> 00:57:14,530

and they came up with what he was

1385

00:57:17,880 --> 00:57:16,150

probably remembering for every single

1386

00:57:20,160 --> 00:57:17,890

one of them and it's a fascinating

1387

00:57:22,650 --> 00:57:20,170

history you learn a lot of

1388

00:57:24,089 --> 00:57:22,660

really why episodes that you end up

1389

00:57:25,950 --> 00:57:24,099

learning things that no one ever

1390

00:57:30,059 --> 00:57:25,960

considered it's way more interesting

1391

00:57:32,670 --> 00:57:30,069

than some weird like story chocolate

1392

00:57:34,680 --> 00:57:32,680

truth is the truth is weirder yeah I

1393

00:57:36,210 --> 00:57:34,690

mean sometimes even sometimes even the

1394

00:57:38,520 --> 00:57:36,220

truth isn't the truth like I remember

1395

00:57:40,920 --> 00:57:38,530

you did about the was a frogs falling

1396

00:57:43,559 --> 00:57:40,930

from the sky and how even like news and

1397

00:57:45,120 --> 00:57:43,569

scientists completely got it wrong yeah

1398

00:57:46,470 --> 00:57:45,130

yeah I love listening to your episode

1399

00:57:48,599 --> 00:57:46,480

about the Fatima miracle because that

1400

00:57:50,190 --> 00:57:48,609

was one of the things that I was really

1401
00:57:52,170 --> 00:57:50,200
mystified by that was any one of your

1402
00:57:54,240 --> 00:57:52,180
first ones I listened to and and I

1403
00:57:56,130 --> 00:57:54,250
remember correctly like the main thing

1404
00:57:58,579 --> 00:57:56,140
being the like all the reporters

1405
00:58:01,079 --> 00:57:58,589
descriptions were like so wildly

1406
00:58:03,030 --> 00:58:01,089
different if I remember that was like

1407
00:58:04,559 --> 00:58:03,040
one of the main yeah I would say the

1408
00:58:08,069 --> 00:58:04,569
interesting thing that I learned about

1409
00:58:09,450 --> 00:58:08,079
that is that the popular version of the

1410
00:58:11,180 --> 00:58:09,460
Fatima miracle and for anyone who's

1411
00:58:14,250 --> 00:58:11,190
listening with that what this was was

1412
00:58:16,260 --> 00:58:14,260
three young kids in Spain and I think it

1413
00:58:17,640 --> 00:58:16,270

was the 1920s I might be wrong about

1414

00:58:19,620 --> 00:58:17,650

that really something like that okay

1415

00:58:22,500 --> 00:58:19,630

they predicted that there was going to

1416

00:58:24,690 --> 00:58:22,510

be some miraculous event and lots of

1417

00:58:26,339 --> 00:58:24,700

these hills Italian people turned up

1418

00:58:28,710 --> 00:58:26,349

yeah yeah and they said basically this

1419

00:58:31,440 --> 00:58:28,720

the Sun went into some spinning dance up

1420

00:58:33,059 --> 00:58:31,450

in the sky so that's the popular version

1421

00:58:34,980 --> 00:58:33,069

of the story that we know now and that

1422

00:58:37,710 --> 00:58:34,990

many Catholics believe and accept as a

1423

00:58:40,260 --> 00:58:37,720

genuine miracle and it turns out that

1424

00:58:42,450 --> 00:58:40,270

every pretty much everything that's

1425

00:58:45,829 --> 00:58:42,460

known about what happened that day is

1426

00:58:48,150 --> 00:58:45,839

now the result of one Catholic

1427

00:58:50,190 --> 00:58:48,160

researcher who was commissioned by the

1428

00:58:52,740 --> 00:58:50,200

church to put together all the evidence

1429

00:58:55,680 --> 00:58:52,750

in favor of this being a miracle and so

1430

00:58:57,450 --> 00:58:55,690

it was extraordinarily cherry-picked he

1431

00:58:59,700 --> 00:58:57,460

interviewed thousands or hundreds of

1432

00:59:02,099 --> 00:58:59,710

people and included 10 of them in his

1433

00:59:06,089 --> 00:59:02,109

room like it was like the early days of

1434

00:59:07,289 --> 00:59:06,099

Wikipedia the one buddy not and that was

1435

00:59:09,000 --> 00:59:07,299

something that was a possible

1436

00:59:11,640 --> 00:59:09,010

explanation that I never consider my

1437

00:59:13,349 --> 00:59:11,650

nesting we tend to say oh well what

1438

00:59:15,240 --> 00:59:13,359

could it VIN was it an eclipse was it

1439

00:59:17,280 --> 00:59:15,250

something scientific effect that's

1440

00:59:19,109 --> 00:59:17,290

that's a big trip because someone will

1441

00:59:21,089 --> 00:59:19,119

tell you something amazing and you try

1442

00:59:23,220 --> 00:59:21,099

to rationalize it right and until we

1443

00:59:24,720 --> 00:59:23,230

look until what yang worth exactly what

1444

00:59:26,700 --> 00:59:24,730

they don't have enough evidence to

1445

00:59:29,220 --> 00:59:26,710

you have like a little machine up pops

1446

00:59:31,110 --> 00:59:29,230

only into your brain and you go down so

1447

00:59:33,390 --> 00:59:31,120

many dead Ali's doing that and make

1448

00:59:34,770 --> 00:59:33,400

yourself look foolish huh and in captain

1449

00:59:37,020 --> 00:59:34,780

disillusion has a good episode about

1450

00:59:38,790 --> 00:59:37,030

that because he has this weird someone

1451

00:59:41,220 --> 00:59:38,800

sent him a video of it looks like a

1452

00:59:43,530 --> 00:59:41,230

watermelon with legs wearing a cape

1453

00:59:45,660 --> 00:59:43,540

learning across a field at night yeah

1454

00:59:47,670 --> 00:59:45,670

the thing is it's like a security cam

1455

00:59:50,940 --> 00:59:47,680

akata and then somebody else filmed it

1456

00:59:53,760 --> 00:59:50,950

filmed a TV screen playing that with the

1457

00:59:56,130 --> 00:59:53,770

video camera and then that was projected

1458

00:59:59,190 --> 00:59:56,140

onto something else so it's so fuzzy and

1459

01:00:00,780 --> 00:59:59,200

weird orded you can't he said I can't

1460

01:00:02,550 --> 01:00:00,790

drug he just captain disillusion just

1461

01:00:04,440 --> 01:00:02,560

admit anything I can't draw a conclusion

1462

01:00:07,680 --> 01:00:04,450

about this video because I don't have

1463

01:00:09,210 --> 01:00:07,690

any evidence it's so blurry hmm so I'm

1464

01:00:10,950 --> 01:00:09,220

not going to draw any conclusions at all

1465

01:00:12,360 --> 01:00:10,960

about I can't say if it's fake or real i

1466

01:00:13,980 --> 01:00:12,370

would say what that's good that's good

1467

01:00:16,710 --> 01:00:13,990

yeah and that's and that's the answer to

1468

01:00:18,840 --> 01:00:16,720

your question Rachel we just think of so

1469

01:00:21,210 --> 01:00:18,850

many of these yeah we just and I think

1470

01:00:23,130 --> 01:00:21,220

for me it's it's also like I went

1471

01:00:25,980 --> 01:00:23,140

through a period of time where I was

1472

01:00:28,200 --> 01:00:25,990

like really I was raised kind of like

1473

01:00:30,690 --> 01:00:28,210

agnostic Jewish and like when I was like

1474

01:00:31,950 --> 01:00:30,700

14 15 I realized that a lot of my

1475

01:00:33,210 --> 01:00:31,960

Christian friends believed I was going

1476

01:00:35,790 --> 01:00:33,220

to hell I kinda like didn't realize that

1477

01:00:37,530 --> 01:00:35,800

so for my teens it been sent me on kind

1478

01:00:38,940 --> 01:00:37,540

of this religious crisis where I was

1479

01:00:41,310 --> 01:00:38,950

really worried that I was wrong that I

1480

01:00:43,110 --> 01:00:41,320

was coming hell so any sort of like kind

1481

01:00:44,280 --> 01:00:43,120

of mysterious phenomena that involves

1482

01:00:45,810 --> 01:00:44,290

anything religious I've always been

1483

01:00:47,190 --> 01:00:45,820

really fascinated by because it tapped

1484

01:00:49,290 --> 01:00:47,200

into my secret fear that I've made the

1485

01:00:50,640 --> 01:00:49,300

wrong religious decision muwah and then

1486

01:00:52,440 --> 01:00:50,650

I'm gonna burn in hell and then I'm

1487

01:00:55,380 --> 01:00:52,450

gonna really regret it it taps into this

1488

01:00:57,180 --> 01:00:55,390

like very deep paranoia that I have Wow

1489

01:00:59,820 --> 01:00:57,190

yeah well i don't think your along with

1490

01:01:01,200 --> 01:00:59,830

that yeah a lot of people that plagues a

1491

01:01:03,030 --> 01:01:01,210

lot of people and therefore it's much

1492

01:01:05,790 --> 01:01:03,040

easier just to stay where you're at yeah

1493

01:01:09,380 --> 01:01:05,800

because you know it protects you in both

1494

01:01:12,390 --> 01:01:09,390

ways really you think about it ya know

1495

01:01:14,760 --> 01:01:12,400

it's still terrified all right the

1496

01:01:17,400 --> 01:01:14,770

conversation in this tub is as deep as

1497

01:01:21,210 --> 01:01:17,410

well it's not that deep actually my

1498

01:01:23,690 --> 01:01:21,220

kinky but the water thinks it's deep it

1499

01:01:25,860 --> 01:01:23,700

is rise but was it for your knees I'd be

1500

01:01:28,390 --> 01:01:25,870

Irish I know you guys might go out of

1501

01:01:31,029 --> 01:01:28,400

his so much better

1502

01:01:33,730 --> 01:01:31,039

what a guy did you I yeah we should be

1503

01:01:36,370 --> 01:01:33,740

so my science teacher yesterday about

1504

01:01:40,599 --> 01:01:36,380

the correlation between kinetic energy

1505

01:01:43,569 --> 01:01:40,609

and force how do you stumped good car I

1506

01:01:46,510 --> 01:01:43,579

was confused because motion but yet

1507

01:01:48,670 --> 01:01:46,520

forest is also motion in the motion is

1508

01:01:52,299 --> 01:01:48,680

motion and at least know so that's why

1509

01:01:54,279 --> 01:01:52,309

she's going to be fresh I because you

1510

01:01:56,950 --> 01:01:54,289

could answer the the science questions

1511

01:02:00,880 --> 01:01:56,960

for that it was the science pol science

1512

01:02:03,069 --> 01:02:00,890

debate 2012 do you thank you thank you

1513

01:02:05,559 --> 01:02:03,079

Morse is equal to motion is agreed i

1514

01:02:08,710 --> 01:02:05,569

want to give one shout out yeah give a

1515

01:02:10,660 --> 01:02:08,720

shout out to to my my bromance gabriel

1516

01:02:15,640 --> 01:02:10,670

chalice if you're out there you're

1517

01:02:17,559 --> 01:02:15,650

probably shirtless like i am that was a

1518

01:02:19,329 --> 01:02:17,569

good shout out thank you babe that was a

1519

01:02:22,510 --> 01:02:19,339

good shut up thank you all for coming

1520

01:02:24,430 --> 01:02:22,520

along to this first episode of 2012 hot

1521

01:02:28,950 --> 01:02:24,440

tub will be making you next week for

1522

01:02:33,039 --> 01:02:31,450

but i want to thank what where's where r

1523

01:02:36,460 --> 01:02:33,049

clinking glasses we must clink our

1524

01:02:41,920 --> 01:02:36,470

glasses great and i think brian dunning

1525

01:02:44,170 --> 01:02:41,930

is now selling tickets to the next week

1526

01:02:47,440 --> 01:02:44,180

so from the hot tub of truth in Southern

1527

01:03:12,090 --> 01:02:47,450

California at the sceptile headquarters

1528

01:03:16,030 --> 01:03:14,560

thank you for listening to the skeptic

1529

01:03:18,190 --> 01:03:16,040

zone what an interesting show it was

1530

01:03:19,840 --> 01:03:18,200

this week next week I'm back in

1531

01:03:21,790 --> 01:03:19,850

Australia not sure what I'll be doing

1532

01:03:24,220 --> 01:03:21,800

but i'll be back in australia but we do

1533

01:03:26,320 --> 01:03:24,230

have another hot tub of truth coming up

1534

01:03:28,090 --> 01:03:26,330

and in the coming weeks we'll be giving

1535

01:03:31,360 --> 01:03:28,100

you some more hints about some exciting

1536

01:03:33,310 --> 01:03:31,370

news from a skip toy podcast stay tuned

1537

01:03:35,440 --> 01:03:33,320

for that but for now from wonderful

1538

01:03:37,450 --> 01:03:35,450

beautiful Southern California in the

1539

01:03:39,820 --> 01:03:37,460

very studio where Brian Dunning does his

1540

01:03:45,880 --> 01:03:39,830

skipped I'd episodes this is Richard

1541

01:03:49,180 --> 01:03:45,890

Saunders signing off you've been

1542

01:03:53,680 --> 01:03:49,190

listening to the skeptic zone visit our

1543

01:03:56,170 --> 01:03:53,690

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