

1
00:00:01,219 --> 00:00:06,330
I've come to Oregon yeah I don't know I

2
00:00:05,099 --> 00:00:08,609
don't like the looks of the way that

3
00:00:06,330 --> 00:00:10,500
there's big rain clouds over there I'm

4
00:00:08,609 --> 00:00:13,410
in the middle of the Oregon forest here

5
00:00:10,500 --> 00:00:15,690
just by this so many trees so many pine

6
00:00:13,410 --> 00:00:17,969
trees and brush it's getting a bit thick

7
00:00:15,689 --> 00:00:20,579
now they told me this is the place to

8
00:00:17,969 --> 00:00:22,768
look so many pine cones at the place

9
00:00:20,579 --> 00:00:24,389
that I can look for Bigfoot if the

10
00:00:22,768 --> 00:00:27,419
Bigfoots anywhere it's going to be in

11
00:00:24,390 --> 00:00:29,760
this heavily wooded area I'm just near a

12
00:00:27,420 --> 00:00:32,759
crop of rocks trying to make my right

13
00:00:29,760 --> 00:00:34,439
way through this little stand of rocks

14
00:00:32,759 --> 00:00:37,500
over there in the distance I'm just

15
00:00:34,439 --> 00:00:40,259
hiding down looking down behind it's

16
00:00:37,500 --> 00:00:42,238
very windy now I can't quite ah

17
00:00:40,259 --> 00:00:45,019
that wind is cold I can't quite see

18
00:00:42,238 --> 00:00:50,419
clearly through the trees I think them I

19
00:00:45,020 --> 00:00:50,420
can't quite what's that what's that

20
00:00:52,219 --> 00:00:59,510
there's something in the distance using

21
00:00:55,558 --> 00:01:01,439
a log to whack a tree what the hell oh

22
00:00:59,509 --> 00:01:03,479
now I'm actually crouched down behind

23
00:01:01,439 --> 00:01:08,519
this tray now I can't quite see what's

24
00:01:03,479 --> 00:01:09,359
going on it's coming towards me I'm

25
00:01:08,519 --> 00:01:12,359
gonna be very quiet

26
00:01:09,359 --> 00:01:21,900
I can hear can't quite see it's getting

27
00:01:12,359 --> 00:01:24,719
a bit dark what you're listening to

28
00:01:21,900 --> 00:01:27,340
skeptoid I'm Brian Dunning from skeptoid

29

00:01:24,719 --> 00:01:32,359
calm

30
00:01:27,340 --> 00:01:35,450
[Music]

31
00:01:32,359 --> 00:01:38,209
welcome to the skeptic zone the podcast

32
00:01:35,450 --> 00:01:48,549
from Australia for science and reason

33
00:01:38,209 --> 00:01:51,079
[Music]

34
00:01:48,549 --> 00:01:54,739
yes it's the skeptic zone podcast

35
00:01:51,079 --> 00:01:58,009
episode number 504 for the 17th of June

36
00:01:54,739 --> 00:02:00,289
2018 Richardson is here with you coming

37
00:01:58,010 --> 00:02:03,859
this week from bend in the state of

38
00:02:00,290 --> 00:02:07,430
Oregon my first time in this part of the

39
00:02:03,859 --> 00:02:10,460
world and it is just beautiful lovely

40
00:02:07,430 --> 00:02:11,689
countryside pine trees rolling hills

41
00:02:10,460 --> 00:02:14,599
with mountains in the background

42
00:02:11,689 --> 00:02:17,900
snow-capped mountains and the little

43
00:02:14,599 --> 00:02:18,590

city of Bend town of Bend is just

44

00:02:17,900 --> 00:02:21,349
wonderful

45

00:02:18,590 --> 00:02:23,120
breweries everywhere I'm here as the

46

00:02:21,349 --> 00:02:26,719
guest of my good friend Brian Dunning

47

00:02:23,120 --> 00:02:29,960
and Monday night here in Oregon in Bend

48

00:02:26,719 --> 00:02:33,050
I'll be giving a talk about being a TV

49

00:02:29,960 --> 00:02:35,480
skeptic and testing paranormal claims

50

00:02:33,050 --> 00:02:39,110
and will even have a ward the divining

51

00:02:35,479 --> 00:02:41,479
demonstration if you are in the area or

52

00:02:39,110 --> 00:02:43,670
if you know somebody who lives in Oregon

53

00:02:41,479 --> 00:02:46,489
and could possibly make it to the Bend

54

00:02:43,669 --> 00:02:49,879
area on Monday night direct them to

55

00:02:46,490 --> 00:02:53,000
skeptic zone TV for the link it's going

56

00:02:49,879 --> 00:02:55,310
to be at Pappy's pizzeria Monday night

57

00:02:53,000 --> 00:02:57,289
and if you can come along I'd really

58
00:02:55,310 --> 00:02:59,180
look forward to seeing you but what's

59
00:02:57,289 --> 00:03:01,609
coming up on this week's show well as

60
00:02:59,180 --> 00:03:03,140
you already heard we we sort of went

61
00:03:01,610 --> 00:03:04,820
looking for Bigfoot but I only found

62
00:03:03,139 --> 00:03:07,819
Brian Dunning trumping through the

63
00:03:04,819 --> 00:03:12,560
forest later on Brian and I will visit a

64
00:03:07,819 --> 00:03:16,030
lava tube cave and explore that Brian's

65
00:03:12,560 --> 00:03:19,129
going to tell us about his latest film

66
00:03:16,030 --> 00:03:22,759
science friction what that's all about

67
00:03:19,129 --> 00:03:24,829
and more about Bigfoot well the

68
00:03:22,759 --> 00:03:27,560
possibility of Bigfoot in the general

69
00:03:24,830 --> 00:03:29,600
area but before that we have an

70
00:03:27,560 --> 00:03:33,080
interview with Yvette Don three-month

71
00:03:29,599 --> 00:03:35,870
also known as the sigh babe and her

72
00:03:33,080 --> 00:03:39,620
interest at the moment is all about food

73
00:03:35,870 --> 00:03:42,200
myths she was a speaker at skeptical in

74
00:03:39,620 --> 00:03:45,110
Berkeley and I was very lucky enough to

75
00:03:42,199 --> 00:03:47,449
also be part of the fun of skeptical the

76
00:03:45,110 --> 00:03:50,390
1-day skeptical conference and it was

77
00:03:47,449 --> 00:03:53,599
just horrific top line speakers well

78
00:03:50,389 --> 00:03:55,388
attended well spaced through the day

79
00:03:53,599 --> 00:03:58,139
people had plenty of time to talk to

80
00:03:55,389 --> 00:04:00,270
speakers and other skeptics Congrats

81
00:03:58,139 --> 00:04:02,458
relations to the organizers of skeptical

82
00:04:00,270 --> 00:04:05,250
and if you have the chance to go to

83
00:04:02,459 --> 00:04:08,270
skeptical in 2019 I can really recommend

84
00:04:05,250 --> 00:04:11,400
it it's just a really good one-day

85
00:04:08,270 --> 00:04:15,600
skeptical conference after my interview

86

00:04:11,400 --> 00:04:17,939
with the psy babe I bring you a report

87
00:04:15,599 --> 00:04:19,769
from the local skeptics in the pub which

88
00:04:17,939 --> 00:04:22,108
was held the night before skeptical

89
00:04:19,769 --> 00:04:23,759
where I run into my old friend susan

90
00:04:22,108 --> 00:04:27,359
gerbic from guerrilla skepticism on

91
00:04:23,759 --> 00:04:29,519
Wikipedia and I hope I hope this gives

92
00:04:27,360 --> 00:04:31,590
you a little flavor a little idea of

93
00:04:29,519 --> 00:04:33,870
what fun skeptics in the pub can be

94
00:04:31,589 --> 00:04:37,319
normally on the sceptic zone you hear

95
00:04:33,870 --> 00:04:38,668
from Sydney skeptics in the pub with

96
00:04:37,319 --> 00:04:40,740
Maynard running around

97
00:04:38,668 --> 00:04:43,979
well skeptics in the pub in Berkeley was

98
00:04:40,740 --> 00:04:46,980
just as much fun lots of good company

99
00:04:43,980 --> 00:04:47,819
nice people to meet and I can really

100
00:04:46,980 --> 00:04:50,310

recommend it

101

00:04:47,819 --> 00:04:52,319

skeptics in the pub is a good social

102

00:04:50,310 --> 00:04:54,120

opportunity and a good chance to meet

103

00:04:52,319 --> 00:04:55,709

other skeptics now I'd like to give a

104

00:04:54,120 --> 00:04:57,209

shout out to my friend Sharon Hill who

105

00:04:55,709 --> 00:04:59,879

travel all the way to Australia to

106

00:04:57,209 --> 00:05:02,789

attend Paracon Australia's paranormal

107

00:04:59,879 --> 00:05:05,879

conference only to have sadly with days

108

00:05:02,790 --> 00:05:08,010

to go the conference cancelled very

109

00:05:05,879 --> 00:05:11,339

disappointing for all concerned I'm sure

110

00:05:08,009 --> 00:05:12,659

sorry about that Sharon I'm sure sorry

111

00:05:11,339 --> 00:05:14,639

that happened to you and everybody who's

112

00:05:12,660 --> 00:05:17,370

looking forward to Paracon I know

113

00:05:14,639 --> 00:05:18,719

Maynard was particularly looking forward

114

00:05:17,370 --> 00:05:21,180

to going there and interviewing lots of

115
00:05:18,720 --> 00:05:24,060
interesting people to bring it to you

116
00:05:21,180 --> 00:05:27,930
for the sceptic zone however due to and

117
00:05:24,060 --> 00:05:31,110
this is no joke as reported on one

118
00:05:27,930 --> 00:05:33,030
website of ghost hunters they said

119
00:05:31,110 --> 00:05:34,410
unfortunately the Paracon Australia

120
00:05:33,029 --> 00:05:37,199
event has been cancelled due to

121
00:05:34,410 --> 00:05:38,880
unforeseen circumstances yes I know

122
00:05:37,199 --> 00:05:41,038
that's an old joke about psychics

123
00:05:38,879 --> 00:05:42,839
cancelling their convention nevertheless

124
00:05:41,038 --> 00:05:44,399
not a good thing really not a good thing

125
00:05:42,839 --> 00:05:46,168
I think it would have been good for

126
00:05:44,399 --> 00:05:48,449
skeptics and other people to go along to

127
00:05:46,168 --> 00:05:51,149
that to them see what the believers had

128
00:05:48,449 --> 00:05:51,810
to say well now it's time for me to run

129
00:05:51,149 --> 00:05:54,989
downstairs

130
00:05:51,810 --> 00:05:57,978
run out the door drive to one of the

131
00:05:54,990 --> 00:06:01,079
local craft breweries and enjoy a quick

132
00:05:57,978 --> 00:06:03,629
pint of Pilsner or one of the local

133
00:06:01,079 --> 00:06:05,209
brews rice back in time for the rest of

134
00:06:03,629 --> 00:06:21,709
the sceptic zone

135
00:06:05,209 --> 00:06:21,709
[Music]

136
00:06:21,889 --> 00:06:25,709
everything is killing you I'm sorry to

137
00:06:24,120 --> 00:06:28,500
be the one to tell you this folks that

138
00:06:25,709 --> 00:06:31,229
everything apparently is killing you I'm

139
00:06:28,500 --> 00:06:34,019
with Yvette document also known as this

140
00:06:31,230 --> 00:06:35,700
sigh baby pillow hello thank you for

141
00:06:34,019 --> 00:06:37,680
having me on your phone with the

142
00:06:35,699 --> 00:06:41,069
microphone on it it's a phone with a

143

00:06:37,680 --> 00:06:42,449
microphone it's I'm we're having this

144
00:06:41,069 --> 00:06:44,430
chat right outside of the conference

145
00:06:42,449 --> 00:06:46,139
we're at so it took fun with a fuzzy

146
00:06:44,430 --> 00:06:48,449
little microphone on it and I'm enjoying

147
00:06:46,139 --> 00:06:50,939
this it's my field microphone which is

148
00:06:48,449 --> 00:06:52,560
my phone it's always say as I as I

149
00:06:50,939 --> 00:06:55,410
couldn't be in Australia for this this

150
00:06:52,560 --> 00:06:59,129
works out it does we are literally on

151
00:06:55,410 --> 00:07:01,980
the sidewalk here outside sigh not cycle

152
00:06:59,129 --> 00:07:04,500
skip decal and we're we're in lovely

153
00:07:01,980 --> 00:07:06,629
Berkeley California is it's as I like to

154
00:07:04,500 --> 00:07:08,000
call it just as expensive as as San

155
00:07:06,629 --> 00:07:10,050
Francisco Oakland

156
00:07:08,000 --> 00:07:13,110
it's the expensive little part of the

157
00:07:10,050 --> 00:07:14,699

neighborhood so that's it's it's New

158

00:07:13,110 --> 00:07:17,910

York where it we're loaded with kale

159

00:07:14,699 --> 00:07:20,490

here loaded with kale prebiotics and

160

00:07:17,910 --> 00:07:22,170

kombucha that's that's Berkeley for you

161

00:07:20,490 --> 00:07:23,850

well that reminds me and I've made some

162

00:07:22,170 --> 00:07:25,199

notes about your talk here look at look

163

00:07:23,850 --> 00:07:28,800

at this list of notes

164

00:07:25,199 --> 00:07:32,519

we've got coconuts detox and then we

165

00:07:28,800 --> 00:07:35,819

talked about kale salmon GMOs goji

166

00:07:32,519 --> 00:07:38,099

berries chia seeds avocados you cover a

167

00:07:35,819 --> 00:07:40,649

lot of things in your talk and you tell

168

00:07:38,100 --> 00:07:41,700

us how there are they're all killing it

169

00:07:40,649 --> 00:07:43,289

all they're the best things even

170

00:07:41,699 --> 00:07:44,789

possibly have right and here's the thing

171

00:07:43,290 --> 00:07:46,470

about and mother talk was called

172
00:07:44,790 --> 00:07:48,480
everything is killing you a marketing

173
00:07:46,470 --> 00:07:51,000
guide to bad science and normally I

174
00:07:48,480 --> 00:07:53,310
teach people how to debunk and today I

175
00:07:51,000 --> 00:07:56,160
kind of flipped that on its head and I

176
00:07:53,310 --> 00:07:58,800
went as earnest as possible while

177
00:07:56,160 --> 00:08:01,530
telling people I'm gonna teach you the

178
00:07:58,800 --> 00:08:03,629
secrets of all the people who sell the

179
00:08:01,529 --> 00:08:05,250
things that we don't that we don't

180
00:08:03,629 --> 00:08:07,829
approve of or the see you know it's and

181
00:08:05,250 --> 00:08:08,819
it was it was a very fun different take

182
00:08:07,829 --> 00:08:10,889
on the type of stuff that I normally

183
00:08:08,819 --> 00:08:12,719
talk about like at first I took all of

184
00:08:10,889 --> 00:08:15,089
the super foods and showed you know

185
00:08:12,720 --> 00:08:18,030
they're wonderful if you take Kalin's

186
00:08:15,089 --> 00:08:19,859
on cancer it'll kill the cancer and then

187
00:08:18,029 --> 00:08:21,629
talked about how K and then muna flipped

188
00:08:19,860 --> 00:08:23,490
it and was like what are you sure kale

189
00:08:21,629 --> 00:08:25,529
is good for you kale can cause hyper

190
00:08:23,490 --> 00:08:29,009
thyroid you know just went through all

191
00:08:25,529 --> 00:08:30,989
of this with kale with chia seeds chia

192
00:08:29,009 --> 00:08:33,509
seeds can clog your esophagus this is

193
00:08:30,990 --> 00:08:37,250
sent a man to the hospital goji berry

194
00:08:33,509 --> 00:08:39,718
same amount of sugar a lot of sugar

195
00:08:37,250 --> 00:08:41,339
which made me realize servers are a

196
00:08:39,719 --> 00:08:42,900
health food no stuff for our

197
00:08:41,339 --> 00:08:44,640
international audience especially in

198
00:08:42,899 --> 00:08:48,389
Australia I don't know if we have them

199
00:08:44,639 --> 00:08:50,460
it's a little square candy wrappers

200

00:08:48,389 --> 00:08:53,549
every like tiny little paper wrappers

201
00:08:50,460 --> 00:08:55,230
going every wish I know the goji berries

202
00:08:53,549 --> 00:08:57,929
have been a fad in Australia for a while

203
00:08:55,230 --> 00:08:59,220
I would think I would say that you know

204
00:08:57,929 --> 00:09:00,659
if you don't have starburst sir

205
00:08:59,220 --> 00:09:02,820
I could've swore that I bought starburst

206
00:09:00,659 --> 00:09:04,500
but I was oh you might have I mean I'm

207
00:09:02,820 --> 00:09:06,060
sure people know what we mean we say a

208
00:09:04,500 --> 00:09:07,559
little lollies or a little candy yeah

209
00:09:06,059 --> 00:09:08,909
it's like if you look at 100 grams of

210
00:09:07,559 --> 00:09:10,679
say skittles because they're very

211
00:09:08,909 --> 00:09:12,179
similar calorically hundred grams of

212
00:09:10,679 --> 00:09:14,250
skittles we'll have about the same

213
00:09:12,179 --> 00:09:16,528
amount of sugar as a hundred grams of

214
00:09:14,250 --> 00:09:18,240

those dried goji berries that I mean

215

00:09:16,528 --> 00:09:19,588

they're tasty that's what you said and

216

00:09:18,240 --> 00:09:21,570

you talk but they taste greater they

217

00:09:19,589 --> 00:09:23,940

taste great they have all and they do

218

00:09:21,570 --> 00:09:27,890

have a lot of vitamins in them but like

219

00:09:23,940 --> 00:09:30,540

they have they they're not calorie free

220

00:09:27,889 --> 00:09:31,740

just because I have vitamins doesn't

221

00:09:30,539 --> 00:09:33,569

mean that they're not going to

222

00:09:31,740 --> 00:09:35,700

eventually add up we have to remember

223

00:09:33,570 --> 00:09:38,129

that where did this you might know it

224

00:09:35,700 --> 00:09:40,710

this term superfoods come from and what

225

00:09:38,129 --> 00:09:42,689

and is this some marketing genius

226

00:09:40,710 --> 00:09:45,160

thought this one up it's I'm not sure if

227

00:09:42,690 --> 00:09:47,630

I would call David avocado Wolfe

228

00:09:45,159 --> 00:09:50,120

it's you know what you I don't know if

229
00:09:47,629 --> 00:09:52,519
he came up with it I think I think the

230
00:09:50,120 --> 00:09:54,529
original source might have been and as I

231
00:09:52,519 --> 00:09:56,720
like to tell people please fact-check me

232
00:09:54,529 --> 00:09:59,509
because putting somebody in the audience

233
00:09:56,720 --> 00:10:00,860
he said that fact-check I think I might

234
00:09:59,509 --> 00:10:04,960
have started up with Prevention magazine

235
00:10:00,860 --> 00:10:08,300
because they are really good you know

236
00:10:04,960 --> 00:10:09,230
source they're not source there is that

237
00:10:08,299 --> 00:10:13,009
they're not a good source they are a

238
00:10:09,230 --> 00:10:15,889
good like like ground zero of a lot of

239
00:10:13,009 --> 00:10:18,620
BS so it might have been with prevention

240
00:10:15,889 --> 00:10:21,500
but one of the bigger popularizers of it

241
00:10:18,620 --> 00:10:24,019
was David avocado Wolfe who presented

242
00:10:21,500 --> 00:10:25,279
himself as an expert on super foods and

243
00:10:24,019 --> 00:10:26,899
tried saying if you want you know if you

244
00:10:25,279 --> 00:10:29,569
want to relive a long time and he talks

245
00:10:26,899 --> 00:10:31,459
about he talks about being a longevity

246
00:10:29,570 --> 00:10:32,960
expert and you know if you want to live

247
00:10:31,460 --> 00:10:35,330
that long life you have to eat a lot of

248
00:10:32,960 --> 00:10:38,570
superfoods that are not defined by

249
00:10:35,330 --> 00:10:40,900
science at all there's no like there's

250
00:10:38,570 --> 00:10:43,190
no cutoff for amount of you know

251
00:10:40,899 --> 00:10:45,079
nutrient per calorie that makes

252
00:10:43,190 --> 00:10:46,520
something a superfood it's just like

253
00:10:45,080 --> 00:10:49,280
I've seen an Apple defined as a

254
00:10:46,519 --> 00:10:51,049
superfood and a list and an oatmeal to

255
00:10:49,279 --> 00:10:53,289
find it it's like depending on the list

256
00:10:51,049 --> 00:10:56,000
different foods are on there there is no

257

00:10:53,289 --> 00:10:58,309
caloric definition there's no vitamin

258
00:10:56,000 --> 00:11:00,590
content definition there's no definition

259
00:10:58,309 --> 00:11:02,389
by what food group I if it's vegan or

260
00:11:00,590 --> 00:11:04,250
anybody can call something a superfood

261
00:11:02,389 --> 00:11:07,960
right so yeah well this is a superfood

262
00:11:04,250 --> 00:11:11,210
as certified by an by internet blogger

263
00:11:07,960 --> 00:11:13,759
blogger by mom I don't want to

264
00:11:11,210 --> 00:11:16,340
accidentally name of something that is a

265
00:11:13,759 --> 00:11:20,600
mommy blogger but my mommy blogger you

266
00:11:16,340 --> 00:11:23,389
know of Madison rainbow when the average

267
00:11:20,600 --> 00:11:24,680
person on the net or buying something or

268
00:11:23,389 --> 00:11:27,769
concerned about their health here's

269
00:11:24,679 --> 00:11:30,949
something like X Y Zed berry oh and it's

270
00:11:27,769 --> 00:11:32,740
a superfood oh I'll get that it's a

271
00:11:30,950 --> 00:11:35,240

superfood it's and I mean it allows

272

00:11:32,740 --> 00:11:37,460

because suddenly that a man goes up for

273

00:11:35,240 --> 00:11:40,240

it it prompts I don't know if it a lot

274

00:11:37,460 --> 00:11:42,290

if it does in a lot of cases prompt

275

00:11:40,240 --> 00:11:44,840

retailers to out of the prices because

276

00:11:42,289 --> 00:11:46,789

suddenly the demand is higher so why

277

00:11:44,840 --> 00:11:49,430

wouldn't you charge a little bit more I

278

00:11:46,789 --> 00:11:50,669

mean we've seen the cost of kale go up

279

00:11:49,429 --> 00:11:53,129

quite a bit I will

280

00:11:50,669 --> 00:11:55,169

by 30% in the last couple of years and I

281

00:11:53,129 --> 00:11:56,669

mean it's gone up you know more in quite

282

00:11:55,169 --> 00:11:57,479

a bit more than the cost of inflation is

283

00:11:56,669 --> 00:11:59,699

because kale

284

00:11:57,480 --> 00:12:03,810

like I said sprinkle it on cancer it's

285

00:11:59,700 --> 00:12:06,750

gonna get rid of your cancer and tumeric

286
00:12:03,809 --> 00:12:08,069
big here too oh yeah turmeric is a it's

287
00:12:06,750 --> 00:12:10,230
definitely become a thing that people

288
00:12:08,070 --> 00:12:11,760
are may I forgot to put tumeric in my

289
00:12:10,230 --> 00:12:14,220
talk I'm adding that in for next time

290
00:12:11,759 --> 00:12:16,409
but to working radio and drugs but

291
00:12:14,220 --> 00:12:17,910
that's big back in Australia yeah it is

292
00:12:16,409 --> 00:12:19,889
definitely getting big here too I know

293
00:12:17,909 --> 00:12:22,129
somebody who after and this is probably

294
00:12:19,889 --> 00:12:24,480
why he's still a little a little learner

295
00:12:22,129 --> 00:12:26,669
he I know somebody who was in a crazy

296
00:12:24,480 --> 00:12:28,920
horrible car accident who afterwards

297
00:12:26,669 --> 00:12:33,240
decided to treat it with large amounts

298
00:12:28,919 --> 00:12:36,049
of turmeric and marijuana and he you

299
00:12:33,240 --> 00:12:38,669
know it sounds like he had a great time

300
00:12:36,049 --> 00:12:40,500
you know I'm not gonna tell you not to

301
00:12:38,669 --> 00:12:43,439
take a ton of pot when you're in

302
00:12:40,500 --> 00:12:47,639
miserable pain and you don't have to end

303
00:12:43,440 --> 00:12:49,590
you don't have to drive anywhere but you

304
00:12:47,639 --> 00:12:51,990
know it's not gonna cure a brain bleed

305
00:12:49,590 --> 00:12:53,879
and it's our literary phrases at this

306
00:12:51,990 --> 00:12:56,159
point we have no evidence this has these

307
00:12:53,879 --> 00:12:58,289
things cure brain bleeds and really it's

308
00:12:56,159 --> 00:13:01,889
really unfortunate that this person has

309
00:12:58,289 --> 00:13:05,159
not fully healed because he took this

310
00:13:01,889 --> 00:13:09,029
evident every took this this scanned

311
00:13:05,159 --> 00:13:10,589
evidence as proof that this worked and B

312
00:13:09,029 --> 00:13:13,379
it was because he was very distrustful

313
00:13:10,590 --> 00:13:15,210
of modern medicine so and when I mean

314

00:13:13,379 --> 00:13:16,889
that's really why we do the types of

315
00:13:15,210 --> 00:13:19,800
things we do is we see people getting

316
00:13:16,889 --> 00:13:22,230
hurt by by you know false hope and by

317
00:13:19,799 --> 00:13:24,870
empty promises and by fear really a lot

318
00:13:22,230 --> 00:13:27,450
of fear of the modern medical system and

319
00:13:24,870 --> 00:13:30,600
yeah the modern medical system screws up

320
00:13:27,450 --> 00:13:32,700
its it would be silly to deny that but

321
00:13:30,600 --> 00:13:34,430
looking at the amount of screw-ups

322
00:13:32,700 --> 00:13:36,990
versus the amount of people they save

323
00:13:34,429 --> 00:13:38,579
and then comparing that to alternative

324
00:13:36,990 --> 00:13:40,110
medicine and the amount of screw-ups

325
00:13:38,580 --> 00:13:42,210
versus the amount of people alternative

326
00:13:40,110 --> 00:13:44,879
medicine saves we have a much better

327
00:13:42,210 --> 00:13:46,980
record of saving people with the stuff

328
00:13:44,879 --> 00:13:48,990

from Pfizer not know that's not an

329

00:13:46,980 --> 00:13:51,539

endorsement of Pfizer just to clarify

330

00:13:48,990 --> 00:13:53,220

yeah and I agree with you entirely we're

331

00:13:51,539 --> 00:13:54,329

not we're not promoting a certain drug

332

00:13:53,220 --> 00:13:56,399

company or anything like that we're just

333

00:13:54,330 --> 00:13:58,900

saying that the the scientific approach

334

00:13:56,399 --> 00:14:00,699

has a better track record

335

00:13:58,899 --> 00:14:03,789

it's an amine not perfect but better

336

00:14:00,700 --> 00:14:05,230

it's we have it's a good way to extract

337

00:14:03,789 --> 00:14:07,449

information there are a couple different

338

00:14:05,230 --> 00:14:09,100

ways that I've seen it fail one is we're

339

00:14:07,450 --> 00:14:12,400

always trying to figure out a single

340

00:14:09,100 --> 00:14:14,259

variable in science and sometimes it's

341

00:14:12,399 --> 00:14:17,289

hard to you know and things like

342

00:14:14,259 --> 00:14:19,389

nutrition it's hard to figure out which

343

00:14:17,289 --> 00:14:21,699

variable is you know hitting the

344

00:14:19,389 --> 00:14:23,799

mousetrap and making the you know making

345

00:14:21,700 --> 00:14:25,990

the maze go forward but it's like that's

346

00:14:23,799 --> 00:14:27,159

the that's I think the hardest part in

347

00:14:25,990 --> 00:14:28,960

nutrition studies because that's one of

348

00:14:27,159 --> 00:14:31,569

the things I write about a lot is

349

00:14:28,960 --> 00:14:34,420

sussing out which one variable is

350

00:14:31,570 --> 00:14:36,340

causing you either the disease or the

351

00:14:34,419 --> 00:14:38,889

weight gain or the you know whatever

352

00:14:36,340 --> 00:14:40,570

you're trying to to define or scare

353

00:14:38,889 --> 00:14:42,730

people about if you're using bad

354

00:14:40,570 --> 00:14:44,290

medicine and that's you know that's kind

355

00:14:42,730 --> 00:14:45,610

of not one of the failings of a

356

00:14:44,289 --> 00:14:47,409

scientific process but there's one of

357
00:14:45,610 --> 00:14:49,450
the difficulties is making sure that

358
00:14:47,409 --> 00:14:51,669
you're doing that the experimental

359
00:14:49,450 --> 00:14:53,500
design is accurate and when there have

360
00:14:51,669 --> 00:14:55,589
been people who have put out shall we

361
00:14:53,500 --> 00:14:59,110
say less than reputable studies like

362
00:14:55,590 --> 00:15:00,730
like seralini for GMOs and you know the

363
00:14:59,110 --> 00:15:02,350
occasional study says this is the only

364
00:15:00,730 --> 00:15:05,440
nutrient that's causing you to gain

365
00:15:02,350 --> 00:15:08,110
weight there they're generally tend to

366
00:15:05,440 --> 00:15:10,960
be variables missing or the studies were

367
00:15:08,110 --> 00:15:12,310
designed to show what people wanted them

368
00:15:10,960 --> 00:15:14,290
to show and they haven't been able to be

369
00:15:12,309 --> 00:15:15,909
replicated so you know we need to look

370
00:15:14,289 --> 00:15:18,909
at studies that can be replicated we

371

00:15:15,909 --> 00:15:20,469
need to look for biases in our work and

372
00:15:18,909 --> 00:15:23,549
that's kind of a way to keep you know

373
00:15:20,470 --> 00:15:26,019
making science better on a ongoing basis

374
00:15:23,549 --> 00:15:27,789
point you bring out about scaring people

375
00:15:26,019 --> 00:15:29,559
it came up again and again during your

376
00:15:27,789 --> 00:15:33,250
talk oh yeah because all the memes you

377
00:15:29,559 --> 00:15:35,859
came up are scary they're horrifying and

378
00:15:33,250 --> 00:15:38,110
you mention GMOs I think that's one of

379
00:15:35,860 --> 00:15:41,230
the biggest ones people put up scares

380
00:15:38,110 --> 00:15:44,560
about and also you talked about Diet

381
00:15:41,230 --> 00:15:46,330
Coke and even even ice water it's there

382
00:15:44,559 --> 00:15:47,979
is nothing that you and I mean I was

383
00:15:46,330 --> 00:15:49,780
really surprised at all the different

384
00:15:47,980 --> 00:15:51,279
things that I found online telling me

385
00:15:49,779 --> 00:15:52,480

that different types of water were

386

00:15:51,279 --> 00:15:55,809

killing you that was the biggest

387

00:15:52,480 --> 00:15:57,639

surprise while I was researching this I

388

00:15:55,809 --> 00:15:59,829

didn't expect so many different

389

00:15:57,639 --> 00:16:02,740

instructions on what type of water was

390

00:15:59,830 --> 00:16:04,360

killing you like it was you can't drink

391

00:16:02,740 --> 00:16:05,860

cold water cantering hot water can't

392

00:16:04,360 --> 00:16:07,180

drink water with a meal can't drink

393

00:16:05,860 --> 00:16:07,740

water first thing in the morning can't

394

00:16:07,179 --> 00:16:09,750

drink water

395

00:16:07,740 --> 00:16:11,970

late at night cantering hot water

396

00:16:09,750 --> 00:16:14,610

straight from the tap can't treat cold

397

00:16:11,970 --> 00:16:17,670

water if I was like so we're basically

398

00:16:14,610 --> 00:16:20,639

down to organic gin and cigarettes

399

00:16:17,669 --> 00:16:22,469

that's all you have left but it's there

400
00:16:20,639 --> 00:16:24,240
is this thing where you know say you

401
00:16:22,470 --> 00:16:26,940
hear and I mean I think that just have a

402
00:16:24,240 --> 00:16:30,210
lot of bad information spreads say you

403
00:16:26,940 --> 00:16:31,590
hear you know from one of your friends

404
00:16:30,210 --> 00:16:33,420
on the internet or you get that forward

405
00:16:31,590 --> 00:16:35,610
from aunt Gayle it's always someone's

406
00:16:33,419 --> 00:16:37,259
aunt Gayle it's never anything but why

407
00:16:35,610 --> 00:16:39,120
does everyone have an aunt Gayle

408
00:16:37,259 --> 00:16:41,250
but somehow you get that forward for

409
00:16:39,120 --> 00:16:42,690
Montt Gayle saying you know the X Y or Z

410
00:16:41,250 --> 00:16:44,190
is killing you I heard it from my

411
00:16:42,690 --> 00:16:46,560
hairdresser you know and say gets it

412
00:16:44,190 --> 00:16:49,950
forward from the 1994 it said it's that

413
00:16:46,559 --> 00:16:51,899
you know diet coke causes MS or that or

414
00:16:49,950 --> 00:16:54,509
that an onion and your sock cures the

415
00:16:51,899 --> 00:16:57,480
flu or and I mean we've you've seen

416
00:16:54,509 --> 00:16:59,220
these I know and it shows up on my

417
00:16:57,480 --> 00:17:01,139
timeline from friends of mine that I

418
00:16:59,220 --> 00:17:02,910
consider smart and they are smart it's

419
00:17:01,139 --> 00:17:04,980
just you know they're trying to make

420
00:17:02,909 --> 00:17:06,930
sure they're healthy and they got sent

421
00:17:04,980 --> 00:17:08,490
this by someone who they have no reason

422
00:17:06,930 --> 00:17:10,740
to think would send them bad information

423
00:17:08,490 --> 00:17:12,509
catchy meme especially if it's well

424
00:17:10,740 --> 00:17:14,579
Donna looks professional and you've

425
00:17:12,509 --> 00:17:16,529
pointed to one on the screen where had

426
00:17:14,579 --> 00:17:18,179
little little dots in the water wasn't

427
00:17:16,529 --> 00:17:21,450
it something like that yeah it was just

428

00:17:18,180 --> 00:17:23,039
here I mean this was this was a meme

429
00:17:21,450 --> 00:17:25,950
from a company saying the bottled water

430
00:17:23,039 --> 00:17:27,629
scam nettled water yes no no I mean I

431
00:17:25,950 --> 00:17:29,819
don't think that bottled water is a

432
00:17:27,630 --> 00:17:32,130
thing that you should you know buy a few

433
00:17:29,819 --> 00:17:34,829
if you have a regular source of potable

434
00:17:32,130 --> 00:17:36,510
clean water but man if you're living in

435
00:17:34,829 --> 00:17:39,299
Flint Michigan by yourself all the damn

436
00:17:36,509 --> 00:17:42,240
bottled water you can possibly get but

437
00:17:39,299 --> 00:17:43,859
the thing is this the slide was trying

438
00:17:42,240 --> 00:17:45,809
to say oh if it's been stored at above

439
00:17:43,859 --> 00:17:48,269
this temperature it's it's bad for you

440
00:17:45,809 --> 00:17:50,159
and you know it it had I mean they have

441
00:17:48,269 --> 00:17:51,569
ways with these memes of kind of

442
00:17:50,160 --> 00:17:53,940

manipulating your perception of

443

00:17:51,569 --> 00:17:55,529

something and you're not going to go to

444

00:17:53,940 --> 00:17:57,750

well well you are because you're richer

445

00:17:55,529 --> 00:18:00,000

sounders here in good skeptic but you

446

00:17:57,750 --> 00:18:01,500

you okay again not you the general

447

00:18:00,000 --> 00:18:05,519

listeners because you are also good

448

00:18:01,500 --> 00:18:07,259

skeptics but the grand you they they are

449

00:18:05,519 --> 00:18:09,750

not gonna check this thing because there

450

00:18:07,259 --> 00:18:12,089

was an image on this with a with a

451

00:18:09,750 --> 00:18:13,500

magnifying glass held up to the bottle

452

00:18:12,089 --> 00:18:14,759

of water and it showed these three

453

00:18:13,500 --> 00:18:17,089

circles that were supposed to be

454

00:18:14,759 --> 00:18:21,200

mystical particles of death

455

00:18:17,089 --> 00:18:22,849

and what I mean I I don't even know what

456

00:18:21,200 --> 00:18:24,950

it was trying to say they were but

457
00:18:22,849 --> 00:18:27,740
apparently those particles are in that

458
00:18:24,950 --> 00:18:31,460
water and it's killing you but if you're

459
00:18:27,740 --> 00:18:33,259
looking for information a lot of my

460
00:18:31,460 --> 00:18:35,329
talks I tell people you know it's really

461
00:18:33,259 --> 00:18:36,169
easy to find bad health information if

462
00:18:35,329 --> 00:18:37,548
you're looking for good health

463
00:18:36,169 --> 00:18:39,139
information and I'll tell people you

464
00:18:37,548 --> 00:18:40,548
know since you've already so nicely

465
00:18:39,138 --> 00:18:42,319
taken your cell phones and put them away

466
00:18:40,548 --> 00:18:43,398
and turn them off please take them back

467
00:18:42,319 --> 00:18:46,009
out and turn them back on

468
00:18:43,398 --> 00:18:49,459
and you know Google GMOs good Google

469
00:18:46,009 --> 00:18:52,220
GMOs bad Google GMOs chemical Google

470
00:18:49,460 --> 00:18:55,340
GMOs agriculture and see how the the

471
00:18:52,220 --> 00:18:56,538
searches change and this is kind of good

472
00:18:55,339 --> 00:18:59,509
news once upon a time when you just

473
00:18:56,538 --> 00:19:01,038
googled GMOs eight out of ten of the top

474
00:18:59,509 --> 00:19:02,839
search results were negative and now

475
00:19:01,038 --> 00:19:04,009
over time more of the top 10 search

476
00:19:02,839 --> 00:19:05,509
results are positive

477
00:19:04,009 --> 00:19:07,460
it's interesting and I think it's been a

478
00:19:05,509 --> 00:19:09,079
lot of you know the efforts from a lot

479
00:19:07,460 --> 00:19:10,759
of different skeptic groups from

480
00:19:09,079 --> 00:19:13,460
different writers from science based

481
00:19:10,759 --> 00:19:14,839
medical known from my changing his mind

482
00:19:13,460 --> 00:19:17,600
and I think that might have helped a lot

483
00:19:14,839 --> 00:19:18,769
of people I hope it did but you know

484
00:19:17,599 --> 00:19:21,288
there have been there's been such a

485

00:19:18,769 --> 00:19:22,730
concerted effort from a lot of different

486
00:19:21,288 --> 00:19:25,220
media sources from a lot of different

487
00:19:22,730 --> 00:19:27,798
science writers to try to get the word

488
00:19:25,220 --> 00:19:29,389
out that these are safe and I love the

489
00:19:27,798 --> 00:19:32,929
conspiracy theories that were being paid

490
00:19:29,388 --> 00:19:35,209
off by Monsanto when I have a COI I have

491
00:19:32,929 --> 00:19:37,340
every place that's ever paid me since

492
00:19:35,210 --> 00:19:39,558
I've been working at SCI babel listed on

493
00:19:37,339 --> 00:19:41,028
my website I'm like go ahead and try to

494
00:19:39,558 --> 00:19:43,700
tell me that like you know when I will

495
00:19:41,028 --> 00:19:46,368
admit to everywhere else that's paid me

496
00:19:43,700 --> 00:19:48,740
I'm lying about Monsanto yes just so I

497
00:19:46,368 --> 00:19:51,499
can promote GMOs yeah some whole reason

498
00:19:48,740 --> 00:19:53,388
people get very sensitive about this one

499
00:19:51,499 --> 00:19:55,399

yeah it's and it's because there are so

500

00:19:53,388 --> 00:19:58,519

many rumors and it's it I think it goes

501

00:19:55,398 --> 00:20:01,518

back to the old arthur c clarke quote

502

00:19:58,519 --> 00:20:04,190

any any new it's sufficiently any new

503

00:20:01,519 --> 00:20:06,950

technology is indistinguishable friends

504

00:20:04,190 --> 00:20:09,649

yes I know I just jump mangled that

505

00:20:06,950 --> 00:20:12,298

quote I know and I'm sure everybody

506

00:20:09,648 --> 00:20:14,699

knows that quote yeah to to

507

00:20:12,298 --> 00:20:16,739

if society any technology is

508

00:20:14,700 --> 00:20:18,479

indistinguishable from magic

509

00:20:16,739 --> 00:20:20,429

along those lines we know what there's

510

00:20:18,479 --> 00:20:22,200

there was kind of a very similar Douglas

511

00:20:20,429 --> 00:20:24,209

Adams quote that again will mangle it's

512

00:20:22,200 --> 00:20:26,548

like you know anything that was that was

513

00:20:24,209 --> 00:20:29,399

made before you were born or until

514
00:20:26,548 --> 00:20:31,259
you're 35 as perfectly fine

515
00:20:29,398 --> 00:20:34,319
anything that's made after you're 35 is

516
00:20:31,259 --> 00:20:37,108
suspect and must be snuffed out and it's

517
00:20:34,319 --> 00:20:38,968
it's it's not you know it's there's some

518
00:20:37,108 --> 00:20:41,189
wiggle room on that but it's kind of

519
00:20:38,969 --> 00:20:42,570
true like we're seeing Millennials turn

520
00:20:41,190 --> 00:20:44,759
it into that age where we're like get

521
00:20:42,569 --> 00:20:46,950
off my lawn with your new technology and

522
00:20:44,759 --> 00:20:48,569
Millennials are kind of you know along

523
00:20:46,950 --> 00:20:50,298
with like everyone's kind of scared of

524
00:20:48,569 --> 00:20:53,398
GMOs but this is the first technology

525
00:20:50,298 --> 00:20:55,200
that Millennials haven't really embraced

526
00:20:53,398 --> 00:20:57,748
like we're like give me give me your

527
00:20:55,200 --> 00:21:00,028
iPhones that give the government access

528
00:20:57,749 --> 00:21:02,009
to my my data I don't care it lets me

529
00:21:00,028 --> 00:21:05,098
pay for my movie tickets immediately

530
00:21:02,009 --> 00:21:07,739
like give me you know give me the iPad

531
00:21:05,098 --> 00:21:10,048
give me everything that that has new

532
00:21:07,739 --> 00:21:12,690
tech in it but you know don't don't give

533
00:21:10,048 --> 00:21:14,878
farmers technology it's at I mean that's

534
00:21:12,690 --> 00:21:16,828
what amazes me is there's there's this

535
00:21:14,878 --> 00:21:18,868
one hold up on something that people

536
00:21:16,828 --> 00:21:20,759
will accept and they're not getting

537
00:21:18,868 --> 00:21:23,158
their information for incredible sources

538
00:21:20,759 --> 00:21:25,558
and in a lot of cases they're stopping

539
00:21:23,159 --> 00:21:27,089
you know these GMO crops and you know

540
00:21:25,558 --> 00:21:28,678
some conventional crops from reaching

541
00:21:27,088 --> 00:21:31,138
people who could really use them

542

00:21:28,679 --> 00:21:32,729
yeah and stopping and stomping in some

543
00:21:31,138 --> 00:21:34,918
situations and ripping them out of the

544
00:21:32,729 --> 00:21:36,659
ground oh yeah yeah it was a great talk

545
00:21:34,919 --> 00:21:39,629
folks if you get the chance to see that

546
00:21:36,659 --> 00:21:41,459
in action take it up and do it where can

547
00:21:39,628 --> 00:21:43,528
people find out more it's people can

548
00:21:41,459 --> 00:21:47,278
hunt me down at SCI babe calm at

549
00:21:43,528 --> 00:21:49,348
facebook.com slash SCI babe and I do my

550
00:21:47,278 --> 00:21:51,298
writing over at the outline and at self

551
00:21:49,348 --> 00:21:52,918
comm or I'm a columnist so please come

552
00:21:51,298 --> 00:21:54,088
help me down and listen to me ranting

553
00:21:52,919 --> 00:21:56,999
about bad science with occasional

554
00:21:54,088 --> 00:21:58,899
f-bombs all over the internet event

555
00:21:56,999 --> 00:22:19,599
thank you thank you for having me

556
00:21:58,900 --> 00:22:22,130

[Music]

557

00:22:19,599 --> 00:22:24,829
this is Kyle from the data skeptic

558

00:22:22,130 --> 00:22:27,200
podcast if you're curious about the way

559

00:22:24,829 --> 00:22:29,659
data is changing our world topics like

560

00:22:27,200 --> 00:22:32,240
AI and all this craziness with Facebook

561

00:22:29,660 --> 00:22:34,040
and BOTS and the Twitter storm and how

562

00:22:32,240 --> 00:22:36,109
the algorithms that underline that work

563

00:22:34,039 --> 00:22:37,670
and you don't want a technical deep dive

564

00:22:36,109 --> 00:22:39,079
you want it you know in the vernacular

565

00:22:37,670 --> 00:22:40,820
in a way that people can understand

566

00:22:39,079 --> 00:22:42,769
check us out at data skeptic that's what

567

00:22:40,819 --> 00:22:44,720
we try and do I interview advanced

568

00:22:42,769 --> 00:22:46,460
professionals in the field who do this

569

00:22:44,720 --> 00:22:51,110
sort of research and then I get into

570

00:22:46,460 --> 00:22:52,880
interesting projects as well we're a

571
00:22:51,109 --> 00:23:15,740
weekly show and you can find this data

572
00:22:52,880 --> 00:23:19,280
skeptic calm and folks to set the scene

573
00:23:15,740 --> 00:23:23,109
he learned a lot sort of be a garden of

574
00:23:19,279 --> 00:23:27,849
a restaurant in Berkeley California

575
00:23:23,109 --> 00:23:30,789
night has come there's some bigger

576
00:23:27,849 --> 00:23:32,919
one of these ghosts or Kiva's what do

577
00:23:30,789 --> 00:23:35,109
they call these CB Peters space heaters

578
00:23:32,920 --> 00:23:38,050
they're heating the space for us the

579
00:23:35,109 --> 00:23:39,339
lexan come on and we're just having a

580
00:23:38,049 --> 00:23:41,200
wonderful social evening

581
00:23:39,339 --> 00:23:42,579
absolutely it's wonderful this is a

582
00:23:41,200 --> 00:23:44,350
skeptics in the pet that we do right

583
00:23:42,579 --> 00:23:48,399
before the skeptical I think this is our

584
00:23:44,349 --> 00:23:50,199
eight nine nine or nine nine it's been

585
00:23:48,400 --> 00:23:51,759
really great it's really been great so

586
00:23:50,200 --> 00:23:53,380
this is about two hour drive for me but

587
00:23:51,759 --> 00:23:57,629
it's not that big a deal because you

588
00:23:53,380 --> 00:24:00,630
know this is my kind of my local

589
00:23:57,630 --> 00:24:00,630
richardsaunders

590
00:24:12,869 --> 00:24:22,149
Australian skeptics because Australian

591
00:24:15,279 --> 00:24:23,980
skeptics raw skeptics set a standard for

592
00:24:22,150 --> 00:24:28,630
other skeptics around the world do they

593
00:24:23,980 --> 00:24:30,759
not absolutely I never ever miss the

594
00:24:28,630 --> 00:24:32,500
skeptic zone except that I see does one

595
00:24:30,759 --> 00:24:34,059
on my phone right now and I haven't

596
00:24:32,500 --> 00:24:36,789
caught up with it but I do

597
00:24:34,059 --> 00:24:39,309
I've got like it's only been there a day

598
00:24:36,789 --> 00:24:42,039
thank you and here's your payment Susan

599

00:24:39,309 --> 00:24:43,960
from guerrilla skepticism on Wikipedia

600
00:24:42,039 --> 00:24:46,210
here we are at skeptics in the pub in

601
00:24:43,960 --> 00:24:48,819
Berkeley before skeptical I am so

602
00:24:46,210 --> 00:24:52,210
excited you were here I absolutely just

603
00:24:48,819 --> 00:24:53,789
I always come to skeptical but knowing

604
00:24:52,210 --> 00:24:56,230
you were here is like

605
00:24:53,789 --> 00:24:57,819
she's only I promise you folks she's

606
00:24:56,230 --> 00:25:00,730
only excited because I brought a supply

607
00:24:57,819 --> 00:25:01,990
of musk lifesavers absolutely not we

608
00:25:00,730 --> 00:25:03,279
passed him around and people were

609
00:25:01,990 --> 00:25:06,579
putting him into the mouth and spitting

610
00:25:03,279 --> 00:25:08,980
it back out shut you ie is Australian

611
00:25:06,579 --> 00:25:11,379
listeners it was delicious

612
00:25:08,980 --> 00:25:15,400
you like this I did it was weird but I

613
00:25:11,380 --> 00:25:17,530

like that I'll bring you some more she's

614

00:25:15,400 --> 00:25:20,110

gonna try the stick part they're awful

615

00:25:17,529 --> 00:25:22,599

oh my gosh it's like it's like I'm sorry

616

00:25:20,109 --> 00:25:26,049

Australian but I love you all

617

00:25:22,599 --> 00:25:28,509

except most sticks are disgusting it's

618

00:25:26,049 --> 00:25:30,940

like somebody's you know what it's like

619

00:25:28,509 --> 00:25:35,109

it's like you you're your grandmother

620

00:25:30,940 --> 00:25:38,500

died and you go into her medicine

621

00:25:35,109 --> 00:25:40,089

cabinet like maybe yours later and you

622

00:25:38,500 --> 00:25:43,630

go in and you open up the medicine

623

00:25:40,089 --> 00:25:45,039

cabinet makes that creaking sound when

624

00:25:43,630 --> 00:25:47,470

you open up the medicine cabinet and

625

00:25:45,039 --> 00:25:50,769

inside there's the little bottle and

626

00:25:47,470 --> 00:25:53,259

it's like roses something and it just is

627

00:25:50,769 --> 00:25:56,980

like linking eyes like a cork on it it's

628
00:25:53,259 --> 00:26:00,279
just disgusting and it just makes you

629
00:25:56,980 --> 00:26:02,380
what it just that's what must ticks

630
00:26:00,279 --> 00:26:04,119
tastes like Australian listeners you too

631
00:26:02,380 --> 00:26:07,420
can have this fun and excitement if you

632
00:26:04,119 --> 00:26:09,969
come to the United States mastics I

633
00:26:07,420 --> 00:26:12,730
promise you pack some uh sticks bring

634
00:26:09,970 --> 00:26:15,370
them out at parties eat one and say

635
00:26:12,730 --> 00:26:19,120
delicious Australian candy and watch the

636
00:26:15,369 --> 00:26:21,069
faces of the Americans as they run for

637
00:26:19,119 --> 00:26:23,500
the bathroom to spit them out we're

638
00:26:21,069 --> 00:26:26,109
trying to figure out why somebody asked

639
00:26:23,500 --> 00:26:29,230
me they said so wait what this is food

640
00:26:26,109 --> 00:26:31,089
and I said well okay think of it this

641
00:26:29,230 --> 00:26:34,240
way Australia you know they were in a

642
00:26:31,089 --> 00:26:35,500
island and they're there on their Island

643
00:26:34,240 --> 00:26:39,130
and they don't know about like real

644
00:26:35,500 --> 00:26:41,450
candy and they're there

645
00:26:39,130 --> 00:26:43,250
and there and there on the island and

646
00:26:41,450 --> 00:26:44,840
there you know they're just working with

647
00:26:43,250 --> 00:26:46,670
what they have I mean maybe it's ground

648
00:26:44,839 --> 00:26:50,329
up drop bears or something I don't know

649
00:26:46,670 --> 00:26:51,980
but it's just I'm sorry you guys I love

650
00:26:50,329 --> 00:26:55,759
you all okay there will be some editing

651
00:26:51,980 --> 00:26:57,860
that takes place on this speaking of

652
00:26:55,759 --> 00:27:00,529
editing yes speaking of anything yeah

653
00:26:57,859 --> 00:27:02,539
how is the the guerrilla skepticism on

654
00:27:00,529 --> 00:27:06,019
Wikipedia going and I understand there

655
00:27:02,539 --> 00:27:08,210
are some new editors which can be traced

656

00:27:06,019 --> 00:27:11,059
back to the skeptic Center absolutely we

657
00:27:08,210 --> 00:27:14,630
have just just graduated a brand new

658
00:27:11,059 --> 00:27:16,909
editor and he is he came to me from your

659
00:27:14,630 --> 00:27:20,120
podcast and you know you've done such a

660
00:27:16,910 --> 00:27:22,430
wonderful job trying to get our word out

661
00:27:20,119 --> 00:27:25,969
there and actually to be honest with you

662
00:27:22,430 --> 00:27:28,279
some of the most editors I get are from

663
00:27:25,970 --> 00:27:30,269
Australia or from the sceptic zones you

664
00:27:28,279 --> 00:27:32,920
have an awful lot of people who are not

665
00:27:30,269 --> 00:27:34,879
[Music]

666
00:27:32,920 --> 00:27:37,430
Australian they listen to the skeptic

667
00:27:34,880 --> 00:27:40,160
zone like myself and I appreciate that

668
00:27:37,430 --> 00:27:42,049
and the newest editor that we just had

669
00:27:40,160 --> 00:27:45,640
oh my gosh you would not believe what he

670
00:27:42,049 --> 00:27:48,190

did his name is Kelly Eckersley

671

00:27:45,640 --> 00:27:50,040

t-joint just about six months ago and he

672

00:27:48,190 --> 00:27:53,500

rewrote the Wikipedia page for Paul

673

00:27:50,039 --> 00:27:56,289

MacCready and Paul MacCready was the man

674

00:27:53,500 --> 00:27:59,619

who is an expert in gliders he's

675

00:27:56,289 --> 00:28:02,079

unfortunately now no longer with us here

676

00:27:59,619 --> 00:28:04,269

on earth but Paul MacCready was an

677

00:28:02,079 --> 00:28:06,039

amazing man who has more honors than you

678

00:28:04,269 --> 00:28:14,769

can imagine his Wikipedia page is now

679

00:28:06,039 --> 00:28:16,928

amazing because I'm gonna say this word

680

00:28:14,769 --> 00:28:18,700

wrong pterodactyl is that what it is

681

00:28:16,929 --> 00:28:21,840

called heard and they used it for a

682

00:28:18,700 --> 00:28:29,319

video that it's it's an areas

683

00:28:21,839 --> 00:28:35,349

Petrus or Patricia like to put say that

684

00:28:29,319 --> 00:28:38,829

word before but okay well anyway he's an

685
00:28:35,349 --> 00:28:40,899
amazing person that we wrote the

686
00:28:38,829 --> 00:28:44,019
Wikipedia that Kelly rewrote the

687
00:28:40,900 --> 00:28:46,509
Wikipedia page for invented a glider

688
00:28:44,019 --> 00:28:48,639
that will probably be something they can

689
00:28:46,509 --> 00:28:52,089
use on Mars when we finally get there

690
00:28:48,640 --> 00:28:54,429
Wow so fascinating people but anyway the

691
00:28:52,089 --> 00:28:57,149
GSO to problem gso w project has just

692
00:28:54,429 --> 00:29:00,610
published it six hundred and twenty

693
00:28:57,150 --> 00:29:03,460
fourth wikipedia page and we've just hit

694
00:29:00,609 --> 00:29:11,859
twenty seven million four hundred and

695
00:29:03,460 --> 00:29:14,350
sixty something pageviews so 27 million

696
00:29:11,859 --> 00:29:15,849
pageviews so far from those six hundred

697
00:29:14,349 --> 00:29:17,558
twenty five thousand six hundred

698
00:29:15,849 --> 00:29:19,359
twenty-five pages the other people at

699
00:29:17,558 --> 00:29:21,849
our table are quite confused as why we

700
00:29:19,359 --> 00:29:25,089
burst into applause we're talking about

701
00:29:21,849 --> 00:29:27,529
guerrilla skepticism on wikipedia and

702
00:29:25,089 --> 00:29:29,899
how are you a yes what about Wikipedia

703
00:29:27,529 --> 00:29:31,910
yeah now at the other end of the table

704
00:29:29,900 --> 00:29:33,800
we have Kyle Pollock who actually wrote

705
00:29:31,910 --> 00:29:34,970
the statistics package for guerrilla

706
00:29:33,799 --> 00:29:37,129
skeptics yes

707
00:29:34,970 --> 00:29:39,589
tile polish is here he's an expert in AI

708
00:29:37,130 --> 00:29:43,670
and he will speak speaking at skeptical

709
00:29:39,589 --> 00:29:45,349
tomorrow and Kyle is the person whose MJ

710
00:29:43,670 --> 00:29:47,810
actually was sitting across me who just

711
00:29:45,349 --> 00:29:51,379
talked to me are the reason why I'm able

712
00:29:47,809 --> 00:29:53,179
to track my statistics because Jay told

713

00:29:51,380 --> 00:29:55,190
me years ago faces and how do you know

714
00:29:53,180 --> 00:29:56,180
that geo so W is actually doing anything

715
00:29:55,190 --> 00:29:58,100
if you don't have any way of measuring

716
00:29:56,180 --> 00:30:00,680
your results and I said you know what

717
00:29:58,099 --> 00:30:03,259
you're absolutely right Jay diamond from

718
00:30:00,680 --> 00:30:05,029
the Bay Area skeptics board and he said

719
00:30:03,259 --> 00:30:07,279
you should have a way of tracking it and

720
00:30:05,029 --> 00:30:09,950
I said you know I know this guy who has

721
00:30:07,279 --> 00:30:11,269
a podcast called data skeptics who might

722
00:30:09,950 --> 00:30:14,360
be able to help me out and he wrote the

723
00:30:11,269 --> 00:30:16,129
software for me and we're refining it we

724
00:30:14,359 --> 00:30:18,259
call it stop badger and that's the way

725
00:30:16,130 --> 00:30:20,330
we're able to do it and Kyle is an

726
00:30:18,259 --> 00:30:23,809
expert on AI and he's a expert on all

727
00:30:20,329 --> 00:30:25,789

these amazing things so it's a team work

728

00:30:23,809 --> 00:30:27,230

even if they're not editors people out

729

00:30:25,789 --> 00:30:29,119

there are doing amazing work to make

730

00:30:27,230 --> 00:30:31,670

this possible to re-educate the world

731

00:30:29,119 --> 00:30:33,679

all of the world on science scientific

732

00:30:31,670 --> 00:30:36,080

skepticism and the paranormal in all

733

00:30:33,680 --> 00:30:37,759

known languages can I get you a drink

734

00:30:36,079 --> 00:30:41,589

Susan actually I haven't had anything to

735

00:30:37,759 --> 00:30:44,960

drink well it's wonderful to know that

736

00:30:41,589 --> 00:30:47,299

podcast service some use after all oh my

737

00:30:44,960 --> 00:30:49,670

gosh you don't understand how useful you

738

00:30:47,299 --> 00:30:51,859

have been it's wonderful the support

739

00:30:49,670 --> 00:30:53,690

that you give to the community I hear

740

00:30:51,859 --> 00:30:56,599

from people all the time that they they

741

00:30:53,690 --> 00:30:58,190

are inspired by what you and the skeptic

742
00:30:56,599 --> 00:31:01,209
zone does we all love maein art of

743
00:30:58,190 --> 00:31:03,799
course and Northern Rivers vaccinations

744
00:31:01,210 --> 00:31:07,489
supportive supporters yeah I know Hardy

745
00:31:03,799 --> 00:31:09,229
yes we love you guys also you know

746
00:31:07,489 --> 00:31:10,608
can't wait to you back to Australia and

747
00:31:09,229 --> 00:31:13,129
see I can't wait to see you

748
00:31:10,608 --> 00:31:15,769
alright so until tomorrow when we'll be

749
00:31:13,128 --> 00:31:21,128
at skeptic a puppet thank you everybody

750
00:31:15,769 --> 00:31:21,128
cheers Cheers

751
00:31:23,829 --> 00:31:35,418
[Music]

752
00:31:32,739 --> 00:31:37,369
hi I'm Darren McKee one of the hosts of

753
00:31:35,419 --> 00:31:39,080
the reality check each week my co-host

754
00:31:37,368 --> 00:31:40,759
and I explore a range of controversies

755
00:31:39,079 --> 00:31:42,199
and curiosities using science and

756
00:31:40,759 --> 00:31:44,088
critical thinking you can find us on

757
00:31:42,200 --> 00:31:45,679
iTunes your favorite podcasting platform

758
00:31:44,088 --> 00:31:47,269
and on Facebook by searching for the

759
00:31:45,679 --> 00:31:49,759
reality check or by following us on

760
00:31:47,269 --> 00:31:51,440
Twitter at TRC underscore podcast until

761
00:31:49,759 --> 00:31:54,338
then keep an open mind but not so open

762
00:31:51,440 --> 00:31:54,338
your brain falls out

763
00:31:57,640 --> 00:32:00,788
[Music]

764
00:32:03,450 --> 00:32:10,120
this is Bigfoot country Brian Oh sort of

765
00:32:06,759 --> 00:32:11,740
I mean as in Bend Oregon is it and any

766
00:32:10,119 --> 00:32:14,079
reports of that or is that other place

767
00:32:11,740 --> 00:32:15,569
places there are like I was surprised to

768
00:32:14,079 --> 00:32:18,490
learn the bend has its own little

769
00:32:15,569 --> 00:32:21,250
Bigfoot Club as a Bigfoot meetup group

770

00:32:18,490 --> 00:32:24,630
or something and they actually had a

771
00:32:21,250 --> 00:32:26,710
Bigfoot conference of some kind here

772
00:32:24,630 --> 00:32:28,450
about a couple of months ago I was out

773
00:32:26,710 --> 00:32:31,870
of town but I was sorely tempted to

774
00:32:28,450 --> 00:32:33,730
attend but what folks we really uh we've

775
00:32:31,869 --> 00:32:35,979
driven out of town and we are in a

776
00:32:33,730 --> 00:32:40,538
wooded area with a rock outcrop is

777
00:32:35,980 --> 00:32:42,519
exactly as I explained it's magical what

778
00:32:40,538 --> 00:32:45,339
oh it's a beautiful landscape Brian I

779
00:32:42,519 --> 00:32:47,769
find it magical and I think we're just

780
00:32:45,339 --> 00:32:50,829
about to go to a lava cave is that right

781
00:32:47,769 --> 00:32:52,750
yes Central Oregon here is all volcanic

782
00:32:50,829 --> 00:32:54,579
and this is all part of the part of the

783
00:32:52,750 --> 00:32:56,048
lava flows from Newberry crater which is

784
00:32:54,579 --> 00:32:58,058

the big mountain off in the distance

785

00:32:56,048 --> 00:33:00,490

that way and so all these rock

786

00:32:58,058 --> 00:33:04,690

outcroppings here this is all lava rock

787

00:33:00,490 --> 00:33:07,329

and let's take a closer look just take a

788

00:33:04,690 --> 00:33:10,150

closer look at this rock and this is all

789

00:33:07,329 --> 00:33:15,759

from well volcanic yeah oh it's coming

790

00:33:10,150 --> 00:33:18,429

up I just ruined it but we can look

791

00:33:15,759 --> 00:33:23,609

underneath look at that that's that's

792

00:33:18,429 --> 00:33:27,070

lava right Wow ancient lava well the the

793

00:33:23,609 --> 00:33:28,298

this straw this these twigs needles pine

794

00:33:27,069 --> 00:33:30,908

needles thank you go all the way down

795

00:33:28,298 --> 00:33:32,529

look at that anyway onward to our next

796

00:33:30,909 --> 00:33:35,610

adventure we'll look for a Bigfoot in

797

00:33:32,529 --> 00:33:35,609

the lava cave

798

00:33:37,779 --> 00:33:43,259

[Music]

799
00:33:39,470 --> 00:33:46,890
the hunt for Bigfoot goes on Brian and I

800
00:33:43,259 --> 00:33:52,319
have come to Boyd cave just down these

801
00:33:46,890 --> 00:33:55,140
steps now and we're in a it looks like

802
00:33:52,319 --> 00:33:57,119
something out of The Flintstones death

803
00:33:55,140 --> 00:33:59,910
it looks like a cave out of the movies

804
00:33:57,119 --> 00:34:03,298
if people think the word cave that's

805
00:33:59,910 --> 00:34:06,600
what we're in I don't remember what

806
00:34:03,298 --> 00:34:08,039
remains no you're probably right oh and

807
00:34:06,599 --> 00:34:13,440
we have could turn in our flashlights

808
00:34:08,039 --> 00:34:16,139
here over there it says something let's

809
00:34:13,440 --> 00:34:21,000
go this way and it's and the temperature

810
00:34:16,139 --> 00:34:23,608
dropped within what twenty feet or so

811
00:34:21,000 --> 00:34:26,539
down the stairs is remarkable think

812
00:34:23,608 --> 00:34:31,889
we're being blasted from hawk ticket oh

813
00:34:26,539 --> 00:34:34,789
wow this really is like out of a movie I

814
00:34:31,889 --> 00:34:39,179
wonder if they come here to film stuff

815
00:34:34,789 --> 00:34:44,519
it's about half the size of what you

816
00:34:39,179 --> 00:34:47,369
might think a train tunnel would be no

817
00:34:44,519 --> 00:34:51,259
bigger bigger much bigger yeah I'm not

818
00:34:47,369 --> 00:34:51,260
seeing a prop it's a bit dim in here ah

819
00:34:54,269 --> 00:35:05,519
Brian's reminding me this is actually a

820
00:34:55,949 --> 00:35:07,259
love tube made from lava when he doesn't

821
00:35:05,519 --> 00:35:09,989
know when folks he's have limited valued

822
00:35:07,260 --> 00:35:14,490
Wow it goes on and on

823
00:35:09,989 --> 00:35:16,229
what convenient walking here and it's

824
00:35:14,489 --> 00:35:18,509
getting very dark now we've turned one

825
00:35:16,230 --> 00:35:19,920
corner and any trace of daylight has

826
00:35:18,510 --> 00:35:23,750
disappeared in fact if you turn off your

827

00:35:19,920 --> 00:35:23,750
flashlight Wow

828
00:35:24,199 --> 00:35:30,449
complete pitch-black that's dirty that's

829
00:35:28,679 --> 00:35:33,829
a stunning that's stunning

830
00:35:30,449 --> 00:35:37,219
I hope these batteries don't give out

831
00:35:33,829 --> 00:35:39,480
further down we go

832
00:35:37,219 --> 00:35:42,358
there was a sign at the entrance saying

833
00:35:39,480 --> 00:35:46,108
danger of rock force which gives me lots

834
00:35:42,358 --> 00:35:47,889
of confidence as freezing down here it's

835
00:35:46,108 --> 00:35:50,029
so cold

836
00:35:47,889 --> 00:35:53,569
and I wouldn't want to huddle down here

837
00:35:50,030 --> 00:35:57,260
for warmth I tell you I had to do this

838
00:35:53,570 --> 00:36:00,349
we we were in not this one but another

839
00:35:57,260 --> 00:36:01,369
one here and the kids said oh we want to

840
00:36:00,349 --> 00:36:05,230
go through that little hole in the wall

841
00:36:01,369 --> 00:36:07,630

yeah and they were gone for over an hour

842

00:36:05,230 --> 00:36:09,980

and I was just sitting there waiting

843

00:36:07,630 --> 00:36:16,670

because I wasn't I wasn't going through

844

00:36:09,980 --> 00:36:19,579

that hole I nearly died it's it's it's

845

00:36:16,670 --> 00:36:24,829

very cold on the further down we go I

846

00:36:19,579 --> 00:36:28,550

think we go over this way scrambling

847

00:36:24,829 --> 00:36:31,339

over some little rocks here yeah it goes

848

00:36:28,550 --> 00:36:32,410

on and on so it's a remarkable thing as

849

00:36:31,338 --> 00:36:36,650

you say we're in it

850

00:36:32,409 --> 00:36:39,819

something carved out by a lava flow who

851

00:36:36,650 --> 00:36:44,329

knows when a long time ago presumably

852

00:36:39,820 --> 00:36:46,940

very long time ago and this system is

853

00:36:44,329 --> 00:36:55,700

going on and on it doesn't branch off

854

00:36:46,940 --> 00:36:58,429

though it's one solid tube wow this is

855

00:36:55,699 --> 00:37:02,929

really like something out of a a dream

856
00:36:58,429 --> 00:37:07,129
or a nightmare depending I don't expect

857
00:37:02,929 --> 00:37:09,259
to see any Bigfoot going the other way I

858
00:37:07,130 --> 00:37:11,480
don't think so looking up at the ceiling

859
00:37:09,260 --> 00:37:14,630
and yeah it's flaking there a little bit

860
00:37:11,480 --> 00:37:18,050
you see that it could fall off there see

861
00:37:14,630 --> 00:37:26,900
that give it a wiggle yeah I don't think

862
00:37:18,050 --> 00:37:28,579
so I can't hear it it's quite

863
00:37:26,900 --> 00:37:33,440
interesting because the further we go on

864
00:37:28,579 --> 00:37:35,750
it's it's like a repeating never-ending

865
00:37:33,440 --> 00:37:37,220
repeating tube with huge rocks in the

866
00:37:35,750 --> 00:37:42,818
middle and a sort of a walkway on the

867
00:37:37,219 --> 00:37:46,669
side where we are and we can only see oh

868
00:37:42,818 --> 00:37:49,309
not so far ahead because of the the way

869
00:37:46,670 --> 00:37:50,838
the cave is twisting and turning but as

870
00:37:49,309 --> 00:37:52,750
soon as we get around another bend in

871
00:37:50,838 --> 00:37:54,980
the cave it's the same thing again it's

872
00:37:52,750 --> 00:37:58,010
bending and twisting and turning through

873
00:37:54,980 --> 00:38:00,719
the earth the interesting experience and

874
00:37:58,010 --> 00:38:02,730
you might think I'm not very

875
00:38:00,719 --> 00:38:05,069
in good condition because I'm breathing

876
00:38:02,730 --> 00:38:10,289
quite a bit it's partly because of the

877
00:38:05,070 --> 00:38:11,610
altitude Brian says I'm in terrible

878
00:38:10,289 --> 00:38:14,309
shape but partly because we're actually

879
00:38:11,610 --> 00:38:17,880
about to kill a meter up so the air is a

880
00:38:14,309 --> 00:38:21,449
little thinner up here I can see some

881
00:38:17,880 --> 00:38:23,400
lights ahead right in the distance that

882
00:38:21,449 --> 00:38:25,619
this cave is straightening out a little

883
00:38:23,400 --> 00:38:27,000
bit I just saw a light so I suspect

884

00:38:25,619 --> 00:38:33,380
there's some more people wandering

885
00:38:27,000 --> 00:38:40,980
around down here yeah

886
00:38:33,380 --> 00:38:42,480
scrambling over rocks yeah I don't know

887
00:38:40,980 --> 00:38:45,000
there's no easy way at the moment of

888
00:38:42,480 --> 00:38:49,130
sort of stuck scrambling over these

889
00:38:45,000 --> 00:38:57,960
rocks are going to be careful here now

890
00:38:49,130 --> 00:39:02,059
now I'm stuck Oh heavy on the side gotta

891
00:38:57,960 --> 00:39:02,059
watch it that keeps getting low here oh

892
00:39:02,869 --> 00:39:21,960
right

893
00:39:04,159 --> 00:39:24,859
and down I go we've discovered the Lost

894
00:39:21,960 --> 00:39:24,860
Tribe I think Brian

895
00:39:24,969 --> 00:39:44,230
a whole society of cave people yeah we

896
00:39:42,159 --> 00:39:47,009
gonna find some food supplies down here

897
00:39:44,230 --> 00:39:47,010
somewhere okay

898
00:39:50,190 --> 00:39:58,630

this might be a good spot to stop right

899

00:39:54,179 --> 00:40:13,469

and you know we don't need a flashlight

900

00:39:58,630 --> 00:40:13,470

at the moment you save a bit of the wine

901

00:40:26,099 --> 00:40:31,740

the rocks are very loose as we walk

902

00:40:29,139 --> 00:40:36,480

along what's this

903

00:40:31,739 --> 00:40:36,479

I've come across some sort of feature oh

904

00:40:36,750 --> 00:40:43,380

very low-hanging bit of the ceiling here

905

00:40:39,909 --> 00:40:46,809

which looks like it could disintegrate

906

00:40:43,380 --> 00:40:52,180

and again it's just cold it's so cold

907

00:40:46,809 --> 00:40:54,940

down here oh okay we're not going down

908

00:40:52,179 --> 00:40:57,789

there you called no no but I'm not going

909

00:40:54,940 --> 00:40:58,079

down there because all right dress for

910

00:40:57,789 --> 00:41:02,440

it

911

00:40:58,079 --> 00:41:03,460

yeah step back here and I'm gonna be

912

00:41:02,440 --> 00:41:06,490

careful because I'm gonna hit my head

913
00:41:03,460 --> 00:41:14,159
unless I get to it scramble down these

914
00:41:06,489 --> 00:41:14,159
rocks oh and

915
00:41:19,489 --> 00:41:23,880
I'm not helping myself I've got a

916
00:41:21,900 --> 00:41:34,499
flashlight in one hand and a microphone

917
00:41:23,880 --> 00:41:36,420
in the others yeah so this might be a

918
00:41:34,498 --> 00:41:39,118
good spot for us to catch our breath for

919
00:41:36,420 --> 00:41:43,259
a moment Brian and you can tell me of

920
00:41:39,119 --> 00:41:45,749
the progress of your next feature film

921
00:41:43,259 --> 00:41:48,028
or your first feature film science

922
00:41:45,748 --> 00:41:51,419
friction science friction feature

923
00:41:48,028 --> 00:41:52,559
documentary film intended for a limited

924
00:41:51,420 --> 00:41:55,108
theatrical release

925
00:41:52,559 --> 00:41:58,710
it's about scientists who have been

926
00:41:55,108 --> 00:42:01,190
misrepresented quote mind edited out of

927
00:41:58,710 --> 00:42:03,420
context to make it sound like they're

928
00:42:01,190 --> 00:42:05,429
supporting some sort of woo

929
00:42:03,420 --> 00:42:07,710
pseudoscience as we see on the

930
00:42:05,429 --> 00:42:10,139
sensationalist kind of pseudo

931
00:42:07,710 --> 00:42:12,809
documentaries from TVs science channels

932
00:42:10,139 --> 00:42:15,960
yeah this happens to virtually every

933
00:42:12,809 --> 00:42:20,729
scientist who has been on any of these

934
00:42:15,960 --> 00:42:22,170
shows they often are very frustrated by

935
00:42:20,728 --> 00:42:26,278
it they don't find out about it until

936
00:42:22,170 --> 00:42:27,778
afterwards and the network's do this

937
00:42:26,278 --> 00:42:30,568
basically because it's a cheap and easy

938
00:42:27,778 --> 00:42:32,728
way to make a sensational program yeah

939
00:42:30,568 --> 00:42:34,228
well I've had some limited experience

940
00:42:32,728 --> 00:42:36,210
with that myself being interviewed on

941

00:42:34,228 --> 00:42:38,278
Australian TV from time to time and you

942
00:42:36,210 --> 00:42:39,539
can talk for five or ten minutes and

943
00:42:38,278 --> 00:42:43,829
they'll cut out the bit where you say

944
00:42:39,539 --> 00:42:46,859
yeah I don't think it was real I just

945
00:42:43,829 --> 00:42:48,690
done I just did a thing with out of the

946
00:42:46,858 --> 00:42:50,670
blue some guy emailed me from Russian

947
00:42:48,690 --> 00:42:53,219
television and he wanted me to talk

948
00:42:50,670 --> 00:42:55,829
about Nostradamus oh yeah and he wanted

949
00:42:53,219 --> 00:42:57,298
me to tell the story he was practically

950
00:42:55,829 --> 00:43:01,019
feeding me the lines he wanted me to

951
00:42:57,298 --> 00:43:03,329
tell the story of how Nostradamus was

952
00:43:01,018 --> 00:43:05,159
walking along and he he came upon a

953
00:43:03,329 --> 00:43:07,979
priest and suddenly dropped to his knees

954
00:43:05,159 --> 00:43:10,848
and worshipped him and that priest later

955
00:43:07,978 --> 00:43:13,199

became the Pope and it's because

956

00:43:10,849 --> 00:43:15,269

Nostradamus was prophesied this guy was

957

00:43:13,199 --> 00:43:17,038

gonna be the Pope so I had heard that

958

00:43:15,268 --> 00:43:20,008

story but there's no evidence that

959

00:43:17,039 --> 00:43:22,710

anything like that ever happened and

960

00:43:20,009 --> 00:43:25,289

it's really just the invention of 20th

961

00:43:22,710 --> 00:43:27,449

century pulp fiction authors so he

962

00:43:25,289 --> 00:43:28,079

wanted me to tell this story and present

963

00:43:27,449 --> 00:43:30,208

myself as

964

00:43:28,079 --> 00:43:31,798

as if I'm the Nostradamus expert and to

965

00:43:30,208 --> 00:43:33,899

make it sound like this is

966

00:43:31,798 --> 00:43:36,659

incontrovertible proof that Nostradamus

967

00:43:33,900 --> 00:43:38,519

was a prophet and we were just doing

968

00:43:36,659 --> 00:43:41,338

this since he was in Russia we were just

969

00:43:38,518 --> 00:43:42,649

doing this over Skype and so I set up a

970
00:43:41,338 --> 00:43:44,818
little hidden camera

971
00:43:42,650 --> 00:43:48,298
well not hidden just out of the view of

972
00:43:44,818 --> 00:43:52,588
my laptop's camera and filmed the entire

973
00:43:48,298 --> 00:43:54,239
exchange and at one point I did tell the

974
00:43:52,588 --> 00:43:56,159
story and I kind of left him some nice

975
00:43:54,239 --> 00:43:58,139
editing points on either end of it oh

976
00:43:56,159 --> 00:44:00,208
yeah and I preface the story with this

977
00:43:58,139 --> 00:44:02,578
this didn't happen for real but the

978
00:44:00,208 --> 00:44:04,018
legend is blah yeah and then the end of

979
00:44:02,579 --> 00:44:05,339
it I said the same thing but there's no

980
00:44:04,018 --> 00:44:07,379
evidence that this ever happened it's

981
00:44:05,338 --> 00:44:09,058
just become part of the the part of the

982
00:44:07,380 --> 00:44:12,390
story that was added by modern writers

983
00:44:09,059 --> 00:44:14,819
so if I ever hear back from and if this

984
00:44:12,389 --> 00:44:17,009
ever gets it into the Russian TV show

985
00:44:14,818 --> 00:44:19,349
we've got a nice little sting that we're

986
00:44:17,009 --> 00:44:21,420
gonna show in the film there's an

987
00:44:19,349 --> 00:44:23,519
example of how exactly how this kind of

988
00:44:21,420 --> 00:44:25,499
thing happens yeah because you know many

989
00:44:23,518 --> 00:44:26,788
especially younger scientists they get

990
00:44:25,498 --> 00:44:28,649
out there and they get a little bit of

991
00:44:26,789 --> 00:44:30,209
notoriety these TV shows want to have

992
00:44:28,650 --> 00:44:32,579
them on everyone says hey that's a great

993
00:44:30,208 --> 00:44:36,358
way to advance my career to show myself

994
00:44:32,579 --> 00:44:38,640
as to the public as a as a science

995
00:44:36,358 --> 00:44:41,998
communicator someone who's going places

996
00:44:38,639 --> 00:44:46,379
and is on TV and it bites them in the

997
00:44:41,998 --> 00:44:49,468
ass more often than not so we we think

998

00:44:46,380 --> 00:44:51,358
that this is a bad thing we think it

999
00:44:49,469 --> 00:44:53,880
does the public a disservice we think it

1000
00:44:51,358 --> 00:44:55,619
does the science a disservice and we

1001
00:44:53,880 --> 00:44:57,719
think that more people need to know that

1002
00:44:55,619 --> 00:44:59,789
these shows are not necessarily giving

1003
00:44:57,719 --> 00:45:01,048
you the truth and and that they're

1004
00:44:59,789 --> 00:45:02,809
willing to go to great lengths to

1005
00:45:01,048 --> 00:45:05,068
distort the truth to promote this

1006
00:45:02,809 --> 00:45:06,420
sensationalist agenda to get more

1007
00:45:05,068 --> 00:45:07,978
viewers from their point of view of

1008
00:45:06,420 --> 00:45:12,809
course it's it that sort of thing would

1009
00:45:07,978 --> 00:45:16,379
sell more than then a dare say a dry

1010
00:45:12,809 --> 00:45:18,059
scientific so we're gonna give these

1011
00:45:16,380 --> 00:45:19,108
scientists a chance to clear the record

1012
00:45:18,059 --> 00:45:21,089

we're gonna have them tell us what

1013

00:45:19,108 --> 00:45:21,748
happened show the clip see what see how

1014

00:45:21,088 --> 00:45:25,018
it went down

1015

00:45:21,748 --> 00:45:26,939
and it's we're actually crowdfunding the

1016

00:45:25,018 --> 00:45:29,278
initial production the reason for that

1017

00:45:26,940 --> 00:45:31,318
being that this is not something that

1018

00:45:29,278 --> 00:45:32,998
any the network's want to fund obviously

1019

00:45:31,318 --> 00:45:36,630
you've already suffered a bit of

1020

00:45:32,998 --> 00:45:39,538
backlash from that so the it's at

1021

00:45:36,630 --> 00:45:41,460
science friction dot TV where people can

1022

00:45:39,539 --> 00:45:42,930
see the promo real we've

1023

00:45:41,460 --> 00:45:44,579
a little trailer for the film we talked

1024

00:45:42,929 --> 00:45:45,838
about it we show some of the experts we

1025

00:45:44,579 --> 00:45:49,139
tell some of those stories that are

1026

00:45:45,838 --> 00:45:51,630
gonna be featured in the film science

1027
00:45:49,139 --> 00:45:53,639
friction dot TV we've got lots of nice

1028
00:45:51,630 --> 00:45:56,550
little rewards for the people who choose

1029
00:45:53,639 --> 00:45:59,190
to help donate and and support the

1030
00:45:56,550 --> 00:46:01,980
production all the way up to large

1031
00:45:59,190 --> 00:46:03,539
donors can get a executive producer

1032
00:46:01,980 --> 00:46:05,400
credit for the film which is a real

1033
00:46:03,539 --> 00:46:08,039
credit which is going to be in the

1034
00:46:05,400 --> 00:46:09,690
theatres and you get it on IMDB so if

1035
00:46:08,039 --> 00:46:11,250
anyone's interested in buying their way

1036
00:46:09,690 --> 00:46:12,179
into the film industry this is an easy

1037
00:46:11,250 --> 00:46:14,909
way to do it

1038
00:46:12,179 --> 00:46:18,829
all right folks links on this week's

1039
00:46:14,909 --> 00:46:22,049
show notes I look forward to when it's

1040
00:46:18,829 --> 00:46:24,269
finally out is there timeframe we're

1041
00:46:22,050 --> 00:46:28,170
going into full production starting in

1042
00:46:24,269 --> 00:46:30,150
August here 2018 it probably is going to

1043
00:46:28,170 --> 00:46:32,309
take a year these things go slowly the

1044
00:46:30,150 --> 00:46:33,750
nature of documentaries are you know

1045
00:46:32,309 --> 00:46:35,070
kind of the direction the next thing

1046
00:46:33,750 --> 00:46:36,719
you're gonna film is suggested by the

1047
00:46:35,070 --> 00:46:39,088
thing you're filming today so it's hard

1048
00:46:36,719 --> 00:46:40,889
to put an end cap on it but we've

1049
00:46:39,088 --> 00:46:43,440
already got about 30 hours worth of

1050
00:46:40,889 --> 00:46:45,239
footage that we've already shot and it's

1051
00:46:43,440 --> 00:46:47,300
gonna be it's going to be a great great

1052
00:46:45,239 --> 00:46:50,608
movie it is just some some really

1053
00:46:47,300 --> 00:46:53,099
horrifying examples of people being

1054
00:46:50,608 --> 00:46:54,719
taken out of context looking forward to

1055

00:46:53,099 --> 00:46:56,670
it now folks this is an odd situation

1056
00:46:54,719 --> 00:46:57,868
we've both turned off our flashlights

1057
00:46:56,670 --> 00:46:59,608
because we're just standing here in the

1058
00:46:57,869 --> 00:47:02,608
middle of a cave and as we said before

1059
00:46:59,608 --> 00:47:03,900
there is no light apart from the small

1060
00:47:02,608 --> 00:47:06,569
amount of light given off by the

1061
00:47:03,900 --> 00:47:09,358
interface on my microphone and I can't

1062
00:47:06,570 --> 00:47:11,849
really turn that off but if I sort of do

1063
00:47:09,358 --> 00:47:13,619
that point it away from us and now we've

1064
00:47:11,849 --> 00:47:15,030
got the dimmest of dim light so it's

1065
00:47:13,619 --> 00:47:19,309
like listening to an episode of our

1066
00:47:15,030 --> 00:47:21,510
podcast we are having an audio-only

1067
00:47:19,309 --> 00:47:24,900
conversation yeah I can turn on the

1068
00:47:21,510 --> 00:47:27,440
light now oh whoa whoa hey this is a

1069
00:47:24,900 --> 00:47:27,440

different cave

1070

00:47:28,530 --> 00:47:31,659
[Music]

1071

00:47:38,650 --> 00:47:44,139
hi this is Heidi Robertson from the

1072

00:47:42,199 --> 00:47:47,019
Northern Rivers vaccination supporters

1073

00:47:44,139 --> 00:47:49,639
we are a group of concerned citizens

1074

00:47:47,019 --> 00:47:52,219
dedicated to promoting good science and

1075

00:47:49,639 --> 00:47:55,339
common sense in our region the far north

1076

00:47:52,219 --> 00:47:56,899
coast of New South Wales this area are

1077

00:47:55,340 --> 00:48:00,079
famous for its natural beauty and

1078

00:47:56,900 --> 00:48:03,590
relaxed lifestyle also has the lowest

1079

00:48:00,079 --> 00:48:05,869
rates of vaccination in Australia we are

1080

00:48:03,590 --> 00:48:08,210
out to change that by challenging the

1081

00:48:05,869 --> 00:48:09,889
myths and misinformation and by

1082

00:48:08,210 --> 00:48:13,220
providing good evidence-based

1083

00:48:09,889 --> 00:48:15,049
information to the community we'd love

1084
00:48:13,219 --> 00:48:18,679
for you no matter where you are in the

1085
00:48:15,050 --> 00:48:26,510
world to join our fight please visit our

1086
00:48:18,679 --> 00:48:29,569
webpage at WWF info we also have a link

1087
00:48:26,510 --> 00:48:32,210
there to our Facebook page tweet us at

1088
00:48:29,570 --> 00:48:35,420
in our FAQs supporters

1089
00:48:32,210 --> 00:48:37,659
that's vix and check us out on Wikipedia

1090
00:48:35,420 --> 00:48:42,289
by searching for Northern Rivers

1091
00:48:37,659 --> 00:48:47,848
vaccination supporters thank you

1092
00:48:42,289 --> 00:48:47,849
[Music]

1093
00:48:53,989 --> 00:48:57,899
thank you for listening to the skeptic

1094
00:48:56,280 --> 00:49:00,480
zone a fun episode this week I think a

1095
00:48:57,900 --> 00:49:03,059
very different episode I really did

1096
00:49:00,480 --> 00:49:05,608
enjoy tramping through the cave the lava

1097
00:49:03,059 --> 00:49:09,990
cave with Brian Dunning it was so

1098
00:49:05,608 --> 00:49:11,909
interesting and pitch-black incredible

1099
00:49:09,989 --> 00:49:15,298
very very interesting what it does to

1100
00:49:11,909 --> 00:49:17,670
the senses and cold Wow was it cold down

1101
00:49:15,298 --> 00:49:19,679
there if you have a chance it was called

1102
00:49:17,670 --> 00:49:23,519
Boyd cave if you have a chance to check

1103
00:49:19,679 --> 00:49:26,009
out a lava tube cave yes sir it's a good

1104
00:49:23,519 --> 00:49:29,429
adventure coming up on next week's show

1105
00:49:26,010 --> 00:49:31,049
maybe some interviews from my talk here

1106
00:49:29,429 --> 00:49:35,068
from some of the attendees from my talk

1107
00:49:31,048 --> 00:49:37,530
here in Bend Oregon at Pappy's pizzeria

1108
00:49:35,068 --> 00:49:40,318
in a couple of days time Monday night

1109
00:49:37,530 --> 00:49:42,690
here in Oregon and maybe I can convince

1110
00:49:40,318 --> 00:49:44,279
one of my reporters to send me a they'll

1111
00:49:42,690 --> 00:49:47,280
report because I'll be travelling

1112

00:49:44,280 --> 00:49:48,960
midweek I'll be jumping on that airplane

1113
00:49:47,280 --> 00:49:51,450
once more heading back to Australia

1114
00:49:48,960 --> 00:49:54,000
where I lose a day due to the

1115
00:49:51,449 --> 00:49:55,669
International Dateline I leave on one

1116
00:49:54,000 --> 00:49:59,818
day but arrive for the day after

1117
00:49:55,670 --> 00:50:02,369
tomorrow I miss a day it's very strange

1118
00:49:59,818 --> 00:50:04,710
it's very strange then I'll be all

1119
00:50:02,369 --> 00:50:06,750
jet-lagged again but until next week

1120
00:50:04,710 --> 00:50:08,068
where I'll be reporting from Sydney

1121
00:50:06,750 --> 00:50:16,199
Australia this is Richard Saunders

1122
00:50:08,068 --> 00:50:18,269
signing off from Bend Oregon you've been

1123
00:50:16,199 --> 00:50:23,730
listening to the skeptic zone podcast

1124
00:50:18,269 --> 00:50:26,759
please visit our website at WWDC be for

1125
00:50:23,730 --> 00:50:29,420
show notes contacts and to access the

1126
00:50:26,760 --> 00:50:32,730

back catalog of episodes going back to

1127

00:50:29,420 --> 00:50:36,358

2008 you can follow the skeptic zone

1128

00:50:32,730 --> 00:50:38,789

podcast on twitter at skeptic zone visit

1129

00:50:36,358 --> 00:50:42,119

our facebook page or leave a review on

1130

00:50:38,789 --> 00:50:45,510

iTunes you can also support the skeptic

1131

00:50:42,119 --> 00:50:47,849

zone via patreon or PayPal the skeptic

1132

00:50:45,510 --> 00:50:49,799

zone podcast is an independent

1133

00:50:47,849 --> 00:50:52,019

production reviews and opinions

1134

00:50:49,798 --> 00:50:54,150

expressed on the skeptic zone are not

1135

00:50:52,019 --> 00:50:57,090

necessarily those of Australian skeptics

1136

00:50:54,150 --> 00:51:03,579

or any other sceptical organisation

1137

00:50:57,090 --> 00:51:03,579

[Music]

1138

00:51:05,889 --> 00:51:13,449

way through what's that

1139

00:51:10,130 --> 00:51:26,230

[Applause]

1140

00:51:13,449 --> 00:51:28,960

boy there goes the magic all right there

1141
00:51:26,230 --> 00:51:31,179
you go - come - you're gonna make your

1142
00:51:28,960 --> 00:51:34,539
way noisily towards me when you get

1143
00:51:31,179 --> 00:51:36,419
close you say this is Brian done I don't

1144
00:51:34,539 --> 00:51:43,269
know what that is

1145
00:51:36,420 --> 00:51:47,470
damn it go back go back Bigfoot all

1146
00:51:43,269 --> 00:51:50,079
right one more whack of the thing I'm

1147
00:51:47,469 --> 00:51:52,989
actually crouched down behind what

1148
00:51:50,079 --> 00:52:05,140
you're listening to skeptoid I'm Brian

1149
00:51:52,989 --> 00:52:07,088
Dunning from skeptoid calm that's the

1150
00:52:05,139 --> 00:52:10,409
worst Bigfoot I've ever seen in my life

1151
00:52:07,088 --> 00:52:10,409
I tell you what