

Show 479

THE
**SKEPTIC
ZONE**
PODCAST

www.skepticzone.tv

24 December 2017



Adam Spencer

Again with the UFOs!
A video capturing an
unidentified object flying off the coast
of San Diego in 2004 has been released

Maynard with Michelle Vernon
and science presenter Adam Spencer

2017 in review with
Susan Gerbic - Celestia Ward - Evan Bernstein



Maynard

1
00:00:09,090 --> 00:00:06,000

[Music]

2
00:00:11,830 --> 00:00:09,100

welcome to the skeptic zone the podcast

3
00:00:13,890 --> 00:00:11,840

from Australia for science and reason

4
00:00:16,880 --> 00:00:13,900

[Music]

5
00:00:23,010 --> 00:00:16,890

[Applause]

6
00:00:25,660 --> 00:00:23,020

[Music]

7
00:00:29,590 --> 00:00:25,670

hello and welcome to the skeptic zone

8
00:00:34,720 --> 00:00:29,600

podcast episode number 479 for the 24th

9
00:00:36,640 --> 00:00:34,730

of December 2017 where is where's that

10
00:00:38,680 --> 00:00:36,650

man in the sleigh he should be up in the

11
00:00:40,960 --> 00:00:38,690

sky somewhere over California that's

12
00:00:42,790 --> 00:00:40,970

where I am at the moment deserving

13
00:00:43,440 --> 00:00:42,800

family and friends for this time of the

14

00:00:46,930 --> 00:00:43,450

year

15

00:00:49,600 --> 00:00:46,940

hohoho coming up on this week's show

16

00:00:51,400 --> 00:00:49,610

another shortened show because it's this

17

00:00:53,890 --> 00:00:51,410

time of the year and lots of things are

18

00:00:57,310 --> 00:00:53,900

happening and 12 hours ago I was flying

19

00:00:58,509 --> 00:00:57,320

over the Pacific and more excuses anyway

20

00:01:03,509 --> 00:00:58,519

coming up on this week's show we're

21

00:01:05,590 --> 00:01:03,519

gonna look at the recent UFO disclosure

22

00:01:07,899 --> 00:01:05,600

which seems to have vanished from the

23

00:01:11,050 --> 00:01:07,909

news to be quite frank where there's

24

00:01:12,760 --> 00:01:11,060

footage of apparent UFO and people are

25

00:01:15,250 --> 00:01:12,770

saying that Pentagon spend lots of money

26
00:01:17,760 --> 00:01:15,260
wasted lots of money on UFO research

27
00:01:20,440 --> 00:01:17,770
we'll have a brief look into this story

28
00:01:22,570 --> 00:01:20,450
what they call flash-in-the-pan flash in

29
00:01:24,130 --> 00:01:22,580
the sky I don't think much will cover

30
00:01:27,219 --> 00:01:24,140
this but it's worth I mentioned because

31
00:01:28,959 --> 00:01:27,229
it's Wellman skeptical following that

32
00:01:30,429 --> 00:01:28,969
it's may nod spooky action more

33
00:01:33,010 --> 00:01:30,439
interviews from the recent Australian

34
00:01:34,899 --> 00:01:33,020
skeptics National Convention may nod

35
00:01:37,090 --> 00:01:34,909
talks to Michelle Vernon from the

36
00:01:41,349 --> 00:01:37,100
Newcastle University atheists and

37
00:01:42,670 --> 00:01:41,359
skeptics society Newcastle is where part

38
00:01:46,020 --> 00:01:42,680

of my family come from

39

00:01:48,279 --> 00:01:46,030

in fact my dad's side of the family are

40

00:01:51,190 --> 00:01:48,289

Newcastle people on Newcastle for those

41

00:01:54,789 --> 00:01:51,200

international folks is just north of

42

00:01:57,490 --> 00:01:54,799

Sydney it's the it's the the city just

43

00:01:59,590 --> 00:01:57,500

to the north of Sydney it was famous for

44

00:02:01,660 --> 00:01:59,600

many years for a coal mining area really

45

00:02:03,940 --> 00:02:01,670

sort of industrial but what a beautiful

46

00:02:08,830 --> 00:02:03,950

place it is wonderful picturesque

47

00:02:11,860 --> 00:02:08,840

beaches and a really nice restaurant

48

00:02:15,370 --> 00:02:11,870

scene in fact that's where may not comes

49

00:02:17,710 --> 00:02:15,380

from - also on may not spooky action is

50

00:02:20,410 --> 00:02:17,720

an interview a lengthy interview with

51
00:02:22,300 --> 00:02:20,420
Adam Spencer from well many people in

52
00:02:24,790 --> 00:02:22,310
Australia know him from the ABC the

53
00:02:27,190 --> 00:02:24,800
Australian broadcaster he's a

54
00:02:29,620 --> 00:02:27,200
mathematician radio presenter and

55
00:02:30,670 --> 00:02:29,630
entertainer and a skeptic of course and

56
00:02:33,750 --> 00:02:30,680
I think you'll find this interesting

57
00:02:35,369 --> 00:02:33,760
this interview with Adam Spencer

58
00:02:40,170 --> 00:02:35,379
then to ran off the show we catch up

59
00:02:42,330 --> 00:02:40,180
with a few friends we have an update

60
00:02:44,850 --> 00:02:42,340
from susan gerbic from guerrilla

61
00:02:47,339 --> 00:02:44,860
skepticism on wikipedia Celestia Ward

62
00:02:49,350 --> 00:02:47,349
from squaring the strange podcast and

63
00:02:51,899 --> 00:02:49,360

evan bernstein from the skeptics guide

64

00:02:54,750 --> 00:02:51,909

to the universe give us each a brief

65

00:02:57,479 --> 00:02:54,760

overview of the year that's been for

66

00:02:59,160 --> 00:02:57,489

their respective endeavors now before we

67

00:03:01,530 --> 00:02:59,170

start a few comments from me about jet

68

00:03:04,380 --> 00:03:01,540

lag oh boy

69

00:03:07,979 --> 00:03:04,390

well you know it's not so bad I said I

70

00:03:11,039 --> 00:03:07,989

was coming coming from Sydney to the

71

00:03:13,589 --> 00:03:11,049

United States is a bit tricky it's a bit

72

00:03:17,670 --> 00:03:13,599

tricky as I speak to you now it's more

73

00:03:20,729 --> 00:03:17,680

local time is presses the button here

74

00:03:23,490 --> 00:03:20,739

6:30 in the evening on December the 23rd

75

00:03:26,309 --> 00:03:23,500

in fact and back home in Australia its

76

00:03:28,080 --> 00:03:26,319

woven mid-morning or morning or mid day

77

00:03:30,000 --> 00:03:28,090

or something like that on the 24th of

78

00:03:31,770 --> 00:03:30,010

December so you can imagine what that

79

00:03:33,960 --> 00:03:31,780

does to your body o'clock when you fly

80

00:03:35,940 --> 00:03:33,970

across those people who have flown from

81

00:03:39,330 --> 00:03:35,950

Sydney to the United States know what I

82

00:03:42,000 --> 00:03:39,340

mean and when it's time to go back from

83

00:03:45,869 --> 00:03:42,010

the United States to Sydney your body

84

00:03:48,000 --> 00:03:45,879

clocks all out of whack again and you

85

00:03:52,740 --> 00:03:48,010

tend to wake up at 3 or 4 o'clock in the

86

00:03:54,750 --> 00:03:52,750

morning absolutely wide awake which is a

87

00:03:56,159 --> 00:03:54,760

good time to get some work done but come

88

00:03:57,599 --> 00:03:56,169

three or four or five six in the

89

00:04:01,259 --> 00:03:57,609

afternoon you can barely keep your eyes

90

00:04:02,580 --> 00:04:01,269

open as my friend dr. Steven novella

91

00:04:04,800 --> 00:04:02,590

from the skeptics guide to the universe

92

00:04:07,920 --> 00:04:04,810

said to me once we simply weren't

93

00:04:09,569 --> 00:04:07,930

evolved to cook with jet lag but I'm

94

00:04:11,550 --> 00:04:09,579

happy to be here I'll be catching up

95

00:04:14,520 --> 00:04:11,560

with a Eugenie Scott in a few days of

96

00:04:16,469 --> 00:04:14,530

course what a wonderful person Eugenie

97

00:04:17,339 --> 00:04:16,479

is one of my favorite scientists in all

98

00:04:21,839 --> 00:04:17,349

the world

99

00:04:26,189 --> 00:04:21,849

and she never ceases to amaze me with

100

00:04:28,080 --> 00:04:26,199

her insights in her her charm it's so

101
00:04:30,029 --> 00:04:28,090
good to catch up with people like like

102
00:04:32,279 --> 00:04:30,039
her I don't know if I'll be seeing too

103
00:04:34,230 --> 00:04:32,289
many other people while I'm here it's a

104
00:04:36,060 --> 00:04:34,240
bit of a low-key event but never fear

105
00:04:38,580 --> 00:04:36,070
we'll keep bringing you episodes of the

106
00:04:42,870 --> 00:04:38,590
skeptical zone but now it's time for me to

107
00:04:46,110 --> 00:04:42,880
run upstairs upstairs dive into the

108
00:04:47,580 --> 00:04:46,120
fridge the in-laws fridge

109
00:04:51,930 --> 00:04:47,590
and have one of those little ice-cream

110
00:04:53,370 --> 00:04:51,940
squares when they call them Eskimo ice

111
00:04:56,129 --> 00:04:53,380
creams or something like that that's

112
00:04:59,700 --> 00:04:56,139
it's like a lovely creamy ice cream with

113
00:05:01,530 --> 00:04:59,710

a solid chocolate outer coating yeah and

114

00:05:02,879 --> 00:05:01,540

it's winter here too I don't care that

115

00:05:06,390 --> 00:05:02,889

sounds pretty good to me

116

00:05:07,520 --> 00:05:06,400

well I do that I hope you enjoy the

117

00:05:22,890 --> 00:05:07,530

skeptic zone

118

00:05:22,900 --> 00:05:30,760

[Music]

119

00:05:35,950 --> 00:05:33,490

over the last year I've been doing more

120

00:05:38,020 --> 00:05:35,960

than the normal number of radio segments

121

00:05:38,800 --> 00:05:38,030

and spots and interviews which is a lot

122

00:05:42,580 --> 00:05:38,810

of fun of course

123

00:05:45,249 --> 00:05:42,590

and yes invariably well at least from

124

00:05:48,070 --> 00:05:45,259

time to time whenever I'm asked to come

125

00:05:52,270 --> 00:05:48,080

on to a radio program and there are

126
00:06:00,010 --> 00:05:52,280
they're introducing me I often hear this

127
00:06:01,499 --> 00:06:00,020
[Music]

128
00:06:05,510 --> 00:06:01,509
[Applause]

129
00:06:09,210 --> 00:06:07,870
[Music]

130
00:06:13,480 --> 00:06:09,220
[Applause]

131
00:06:17,770 --> 00:06:13,490
in the last week we had the reports

132
00:06:20,110 --> 00:06:17,780
widely reported evidence suggests UFOs

133
00:06:23,110 --> 00:06:20,120
may have reached earth says former

134
00:06:24,730 --> 00:06:23,120
Pentagon official now this is the story

135
00:06:26,920 --> 00:06:24,740
you've probably heard something about it

136
00:06:28,660 --> 00:06:26,930
where the US government apparently spent

137
00:06:31,000 --> 00:06:28,670
millions of dollars over about a seven

138
00:06:34,690 --> 00:06:31,010

year period to investigate

139

00:06:39,310 --> 00:06:34,700

well UFOs or strange anomalistic

140

00:06:41,440 --> 00:06:39,320

items in the sky one of the reports here

141

00:06:44,020 --> 00:06:41,450

from the ABC and Australia says a former

142

00:06:45,700 --> 00:06:44,030

US military intelligence official has

143

00:06:48,400 --> 00:06:45,710

claimed there is evidence that could

144

00:06:50,680 --> 00:06:48,410

suggest aliens visited earth Lois Liz

145

00:06:52,900 --> 00:06:50,690

Ando a former Pentagon official who

146

00:06:56,110 --> 00:06:52,910

recently led a government program to

147

00:06:59,260 --> 00:06:56,120

research potential UFOs believes there

148

00:07:02,200 --> 00:06:59,270

is secrecy surrounding the program and

149

00:07:05,800 --> 00:07:02,210

told CNN quote there is very compelling

150

00:07:09,730 --> 00:07:05,810

evidence that we may not be alone in

151
00:07:12,340 --> 00:07:09,740
quote mr. Lassonde led the advanced

152
00:07:16,660 --> 00:07:12,350
aviation threat identification program

153
00:07:19,630 --> 00:07:16,670
from 2007 to 2012 which investigated

154
00:07:21,300 --> 00:07:19,640
UFOs part of the program's finding still

155
00:07:25,570 --> 00:07:21,310
remain classified ooh

156
00:07:27,790 --> 00:07:25,580
now the startling bit of footage may

157
00:07:32,170 --> 00:07:27,800
only be the footage released in

158
00:07:35,860 --> 00:07:32,180
conjunction with this story is of some

159
00:07:37,810 --> 00:07:35,870
sort of blacked-out object possibly

160
00:07:40,900 --> 00:07:37,820
because of the heat because it's an

161
00:07:44,350 --> 00:07:40,910
infrared image and it's too hot being

162
00:07:48,250 --> 00:07:44,360
tracked by a military aircraft off the

163
00:07:54,399 --> 00:07:48,260

coast of San Diego in 2004 here's some

164

00:07:54,409 --> 00:08:14,210

what

165

00:08:17,370 --> 00:08:16,379

now it's it's an interesting bit of

166

00:08:19,379 --> 00:08:17,380

footage I'll link to it in the show

167

00:08:21,330 --> 00:08:19,389

notes so I was curious to know what

168

00:08:24,150 --> 00:08:21,340

other people would think just upon

169

00:08:26,730 --> 00:08:24,160

viewing this footage what would they

170

00:08:30,120 --> 00:08:26,740

think of it and some of the replies came

171

00:08:33,120 --> 00:08:30,130

back pointing me to various other blogs

172

00:08:35,610 --> 00:08:33,130

which have looked at this i stalked a

173

00:08:37,680 --> 00:08:35,620

Steve novella basically summed it up

174

00:08:40,110 --> 00:08:37,690

summed up saying it's not very

175

00:08:41,700 --> 00:08:40,120

compelling it's interesting but it

176

00:08:44,190 --> 00:08:41,710

doesn't actually point to anything

177

00:08:47,040 --> 00:08:44,200

specifically other people are suggesting

178

00:08:48,780 --> 00:08:47,050

it's a fake or a joke we've had some

179

00:08:51,150 --> 00:08:48,790

arguments online about the tracking the

180

00:08:53,210 --> 00:08:51,160

item in the video is dead center of the

181

00:08:56,130 --> 00:08:53,220

screen and appears to be tracked

182

00:08:58,500 --> 00:08:56,140

perfectly even though the camera or the

183

00:09:00,210 --> 00:08:58,510

aircraft seems to be on a tilt and at

184

00:09:01,920 --> 00:09:00,220

some stage the object does rotate a

185

00:09:03,210 --> 00:09:01,930

little bit still being tracked perfectly

186

00:09:04,680 --> 00:09:03,220

some people say that's perfectly

187

00:09:06,960 --> 00:09:04,690

understandable if an item is being

188

00:09:09,380 --> 00:09:06,970

tracked some people are saying no that's

189

00:09:11,760 --> 00:09:09,390

obviously fake it doesn't work that way

190

00:09:14,760 --> 00:09:11,770

another point and I think Steve novella

191

00:09:16,949 --> 00:09:14,770

raised this is we don't have a good

192

00:09:19,800 --> 00:09:16,959

understanding of how far the object is

193

00:09:22,320 --> 00:09:19,810

away from the aircraft which could ever

194

00:09:24,120 --> 00:09:22,330

bearing on what it is we have other

195

00:09:27,240 --> 00:09:24,130

things saying that's a smudge on the

196

00:09:29,340 --> 00:09:27,250

window I don't buy that one but it's

197

00:09:31,320 --> 00:09:29,350

interesting anyway more comments

198

00:09:33,840 --> 00:09:31,330

unidentified it's perfectly okay to say

199

00:09:35,400 --> 00:09:33,850

we don't know which is true another

200

00:09:39,030 --> 00:09:35,410

observation somebody saying I'm thinking

201
00:09:42,780 --> 00:09:39,040
of an internal reflection via the Sun on

202
00:09:45,510 --> 00:09:42,790
the inner lens possibly another comment

203
00:09:47,850 --> 00:09:45,520
in the uncut version the pilot says it's

204
00:09:51,240 --> 00:09:47,860
a drone I haven't seen the uncut version

205
00:09:54,990 --> 00:09:51,250
so I'd be interested to see that here's

206
00:09:57,390 --> 00:09:55,000
another one saying that more

207
00:09:59,519 --> 00:09:57,400
investigation and analysis is needed

208
00:10:01,620 --> 00:09:59,529
which I would agree with I think even by

209
00:10:04,230 --> 00:10:01,630
the time this podcast comes out because

210
00:10:06,900 --> 00:10:04,240
it's this I'm recording this a few days

211
00:10:10,890 --> 00:10:06,910
before we might know more or in the

212
00:10:12,870 --> 00:10:10,900
weeks to come it might be analyzed to an

213
00:10:16,050 --> 00:10:12,880

extent that a very good explanation is

214

00:10:18,990 --> 00:10:16,060

forthcoming at this stage despite the

215

00:10:20,730 --> 00:10:19,000

headlines and the interest in the UFO

216

00:10:23,130 --> 00:10:20,740

angle the alien spaceship angle we've

217

00:10:25,639 --> 00:10:23,140

got no reason to suspect or believe it

218

00:10:27,650 --> 00:10:25,649

could possibly be an alien spaceship

219

00:10:29,179 --> 00:10:27,660

there are many many many many other

220

00:10:32,269 --> 00:10:29,189

things to get through before we come to

221

00:10:33,949 --> 00:10:32,279

that conclusion but in what they call

222

00:10:36,590 --> 00:10:33,959

the silly season in Australia which is

223

00:10:39,949 --> 00:10:36,600

winding down the year usually late

224

00:10:43,730 --> 00:10:39,959

December January when politics are quiet

225

00:10:45,109 --> 00:10:43,740

and these stories seem to get a run well

226
00:10:46,669 --> 00:10:45,119
at least it's an interesting one and

227
00:10:49,690 --> 00:10:46,679
from a skeptical point of view it's

228
00:10:51,340 --> 00:10:49,700
quite fascinating is the truth out there

229
00:10:53,670 --> 00:10:51,350
[Music]

230
00:11:02,700 --> 00:10:53,680
[Applause]

231
00:11:05,620 --> 00:11:02,710
[Music]

232
00:11:08,380 --> 00:11:05,630
like watch your guide to quackery health

233
00:11:09,550 --> 00:11:08,390
fraud and intelligent decisions operated

234
00:11:12,370 --> 00:11:09,560
by Stephan Barratt

235
00:11:14,470 --> 00:11:12,380
MD quite watch is now an international

236
00:11:16,690 --> 00:11:14,480
network of people who concerned about

237
00:11:19,240 --> 00:11:16,700
health-related frauds myths fads

238
00:11:22,060 --> 00:11:19,250

fallacies and misconducted its primary

239

00:11:24,520 --> 00:11:22,070

focus is on quackery related information

240

00:11:27,340 --> 00:11:24,530

that is difficult or impossible to get

241

00:11:30,730 --> 00:11:27,350

elsewhere articles on quackery include

242

00:11:34,570 --> 00:11:30,740

quackery how should it be defined how it

243

00:11:37,450 --> 00:11:34,580

sells 26 ways to spotted how it comes

244

00:11:40,060 --> 00:11:37,460

cancer patients 7 warning signs for

245

00:11:43,510 --> 00:11:40,070

bogus science why health professionals

246

00:11:45,520 --> 00:11:43,520

become quacks and many more including

247

00:11:48,670 --> 00:11:45,530

in-depth looks at thank you puncture of

248

00:11:54,100 --> 00:11:48,680

chiropractic homeopathy naturopathy and

249

00:12:14,010 --> 00:11:54,110

much more visit www.gfi.com/webmonitor

250

00:12:14,020 --> 00:12:19,380

[Music]

251

00:12:22,410 --> 00:12:21,240

I'm just waiting to go on here waiting

252

00:12:24,090 --> 00:12:22,420

for the room to fill with the

253

00:12:25,440 --> 00:12:24,100

hilariously funny skeptics drinking

254

00:12:29,009 --> 00:12:25,450

heavily who we got here

255

00:12:31,980 --> 00:12:29,019

I'm Michelle Vernon a new cat look you

256

00:12:33,750 --> 00:12:31,990

are the New Castle skeptic I am I'm

257

00:12:35,960 --> 00:12:33,760

actually the president of the University

258

00:12:38,069 --> 00:12:35,970

of Newcastle atheist and skeptic Society

259

00:12:39,600 --> 00:12:38,079

yes I've been to a few of the meetings

260

00:12:41,780 --> 00:12:39,610

with your previous president how's it

261

00:12:44,490 --> 00:12:41,790

going there and how many members you got

262

00:12:45,889 --> 00:12:44,500

yeah at the moment our Facebook page is

263

00:12:48,650 --> 00:12:45,899

about six or seven hundred people

264

00:12:51,420 --> 00:12:48,660

officially we only have about 120

265

00:12:54,090 --> 00:12:51,430

financial members but that's actually

266

00:12:55,199 --> 00:12:54,100

pretty good that the club died down for

267

00:12:57,030 --> 00:12:55,209

a couple of years and we've just been

268

00:12:58,470 --> 00:12:57,040

slowly getting it back up and running so

269

00:13:00,090 --> 00:12:58,480

sort of events have you been having have

270

00:13:01,949 --> 00:13:00,100

you sort of been protesting at the front

271

00:13:03,810 --> 00:13:01,959

churches or anything like that you know

272

00:13:05,400 --> 00:13:03,820

not exactly we've been trying to create

273

00:13:07,380 --> 00:13:05,410

a constructive dialogue with some of

274

00:13:08,639 --> 00:13:07,390

their religious groups on campus so this

275

00:13:09,780 --> 00:13:08,649

is something that was going on before

276

00:13:13,380 --> 00:13:09,790

where you all get together to have a bit

277

00:13:15,780 --> 00:13:13,390

of a chat so the evangelical groups on

278

00:13:18,360 --> 00:13:15,790

campus they sent a few representatives

279

00:13:19,680 --> 00:13:18,370

to our events quite frequently the

280

00:13:21,240 --> 00:13:19,690

Newcastle Christian students in

281

00:13:22,670 --> 00:13:21,250

particular we have a few contacts with

282

00:13:25,110 --> 00:13:22,680

them that have been very good to us

283

00:13:27,600 --> 00:13:25,120

usually good sports they come on to our

284

00:13:29,220 --> 00:13:27,610

events and debate with us and sometimes

285

00:13:30,509 --> 00:13:29,230

they got bombarded with criticism

286

00:13:32,130 --> 00:13:30,519

because they're in the minority but

287

00:13:33,930 --> 00:13:32,140

they're they're really good sports about

288

00:13:35,550 --> 00:13:33,940

it surprisingly if you ever have any

289

00:13:37,319 --> 00:13:35,560

Bible readings together because that can

290

00:13:39,620 --> 00:13:37,329

sometimes be pretty interesting fight it

291

00:13:41,389 --> 00:13:39,630

but so far I haven't attended any

292

00:13:46,850 --> 00:13:41,399

look if you get there and they're doing

293

00:13:48,110 --> 00:13:46,860

Genesis how boring I'm a bit of a nosy

294

00:13:52,699 --> 00:13:48,120

cool thing because it's like one big

295

00:13:54,259 --> 00:13:52,709

trip this is funny how atheist kind of

296

00:13:55,970 --> 00:13:54,269

know the Bible a bit better than most

297

00:13:58,550 --> 00:13:55,980

people there are actually Christians and

298

00:14:00,139 --> 00:13:58,560

go along true usually I find it they're

299

00:14:02,480 --> 00:14:00,149

very surprised when they discover that

300

00:14:04,280 --> 00:14:02,490

we have read the Bible

301

00:14:05,540 --> 00:14:04,290

if you have a good night tonight what

302

00:14:12,020 --> 00:14:05,550

are you hoping to get from this evening

303

00:14:16,350 --> 00:14:14,880

look Adam Spencer's here he's working on

304

00:14:18,390 --> 00:14:16,360

the Fibonacci sequence how's it coming

305

00:14:20,880 --> 00:14:18,400

along yeah um I get an impression

306

00:14:22,890 --> 00:14:20,890

someone's already done it no mystery

307

00:14:24,240 --> 00:14:22,900

Bonacci that's all right okay

308

00:14:26,280 --> 00:14:24,250

I thought something has to be solved

309

00:14:27,330 --> 00:14:26,290

about it no no we know the people

310

00:14:29,040 --> 00:14:27,340

touching is you're thinking Fermat's

311

00:14:32,100 --> 00:14:29,050

Last Theorem which are a guy called a

312

00:14:33,510 --> 00:14:32,110

dream Wiles solved back in the 1990's

313

00:14:36,270 --> 00:14:33,520

there's a book by a guy called Simon

314

00:14:37,530 --> 00:14:36,280

Singh called Fermat's Last Theorem which

315

00:14:40,260 --> 00:14:37,540

is the greatest piece of popular

316

00:14:42,180 --> 00:14:40,270

mathematics writing ever read that and

317

00:14:44,340 --> 00:14:42,190

it's a wonderful story now as a man who

318

00:14:45,330 --> 00:14:44,350

has a brain for numbers does that mean

319

00:14:47,430 --> 00:14:45,340

you don't have a brain for other things

320

00:14:49,170 --> 00:14:47,440

like look because you can write quite

321

00:14:50,580 --> 00:14:49,180

well is there something the the numbers

322

00:14:52,290 --> 00:14:50,590

bits taken up the bit of your brain that

323

00:14:53,550 --> 00:14:52,300

should be something else have you missed

324

00:14:55,590 --> 00:14:53,560

out on something by getting the numbers

325

00:14:57,300 --> 00:14:55,600

it's an interesting question on my one

326

00:14:59,430 --> 00:14:57,310

skill that I've got that I'm lucky is

327

00:15:03,120 --> 00:14:59,440

that I can hop between the numeric on

328

00:15:05,670 --> 00:15:03,130

verbal world reasonably well I've

329

00:15:07,950 --> 00:15:05,680

certainly missed the according to my

330

00:15:09,240 --> 00:15:07,960

girlfriend I've missed the male posture

331

00:15:11,370 --> 00:15:09,250

gene Oh

332

00:15:12,570 --> 00:15:11,380

I slouch standing around tend to slump I

333

00:15:14,370 --> 00:15:12,580

tend to slide she doesn't like that

334

00:15:17,010 --> 00:15:14,380

she's pretty kind of tall so maybe that

335

00:15:19,320 --> 00:15:17,020

she's Russian born and the UM the harsh

336

00:15:20,790 --> 00:15:19,330

what yeah and after a while of me say to

337

00:15:21,900 --> 00:15:20,800

her look you really when I'm talking to

338

00:15:23,700 --> 00:15:21,910

people at events and all that you can't

339

00:15:25,650 --> 00:15:23,710

just come up and go posture posture

340

00:15:27,900 --> 00:15:25,660

turns out the Russian word for posture

341

00:15:29,340 --> 00:15:27,910

is the previous and so she'll just walk

342

00:15:31,260 --> 00:15:29,350

up and Stroke my arm ago of the

343

00:15:32,370 --> 00:15:31,270

premier's and I got all the room is so

344

00:15:33,870 --> 00:15:32,380

sounds like I'm saying I love you I love

345

00:15:36,510 --> 00:15:33,880

you too and she's actually saying stand

346

00:15:37,710 --> 00:15:36,520

up straight you lazy bastard and how do

347

00:15:38,550 --> 00:15:37,720

you get on around the house they do up

348

00:15:40,140 --> 00:15:38,560

bits of paper that you're writing

349

00:15:41,400 --> 00:15:40,150

numbers on all the time just doing some

350

00:15:43,020 --> 00:15:41,410

squiggles and things like that it's

351
00:15:45,270 --> 00:15:43,030
funny when I was putting this current

352
00:15:46,890 --> 00:15:45,280
book together which is please tell us

353
00:15:48,480 --> 00:15:46,900
the number gains go to Adam Spencer

354
00:15:51,090 --> 00:15:48,490
combo to you that website again Adam

355
00:15:52,770 --> 00:15:51,100
Spencer calm that I for a signed copy I

356
00:15:55,079 --> 00:15:52,780
was putting the book together and I had

357
00:15:57,900 --> 00:15:55,089
a little unfound online this little

358
00:16:00,180 --> 00:15:57,910
problem and I was going to pose it as a

359
00:16:02,640 --> 00:16:00,190
puzzle in the book and I wanted to work

360
00:16:03,930 --> 00:16:02,650
out was it too hard or was it reasonable

361
00:16:06,420 --> 00:16:03,940
so I was doing some of the calculations

362
00:16:07,410 --> 00:16:06,430
myself I just woken up early morning

363
00:16:09,540 --> 00:16:07,420

[h__h] so Jana

364

00:16:10,470 --> 00:16:09,550

woke up about 7:00 and I've been there

365

00:16:11,820 --> 00:16:10,480

since about quarter past it's just

366

00:16:13,200 --> 00:16:11,830

scribbling on these bits of have a

367

00:16:14,310 --> 00:16:13,210

scribbling swimming now don't even

368

00:16:17,790 --> 00:16:14,320

realize she was watching over my

369

00:16:19,890 --> 00:16:17,800

shoulder and she said she thought yeah

370

00:16:21,780 --> 00:16:19,900

she thought she'd stumbled on me having

371

00:16:23,300 --> 00:16:21,790

some sort of Einstein moment which by my

372

00:16:25,640 --> 00:16:23,310

standards I was but you still

373

00:16:26,900 --> 00:16:25,650

why short of the big album you got a

374

00:16:28,970 --> 00:16:26,910

whiteboard anywhere in the house so you

375

00:16:31,430 --> 00:16:28,980

can do the big equations night up pen

376

00:16:34,519 --> 00:16:31,440

and paper a lot better I love nothing

377

00:16:36,110 --> 00:16:34,529

more than cracking out a few lines of

378

00:16:38,330 --> 00:16:36,120

stuff on pen and paper there's a written

379

00:16:39,650 --> 00:16:38,340

it's a fast dying art so you'd be one of

380

00:16:41,060 --> 00:16:39,660

these people that when they're doing a

381

00:16:42,260 --> 00:16:41,070

story on a physicists or something and

382

00:16:43,880 --> 00:16:42,270

they've got some formula in the

383

00:16:45,140 --> 00:16:43,890

background you can go oh hang on that's

384

00:16:49,220 --> 00:16:45,150

just a prop formula

385

00:16:51,200 --> 00:16:49,230

I had a great chat with um Matt Damon

386

00:16:55,850 --> 00:16:51,210

years ago anything about one of the

387

00:16:57,680 --> 00:16:55,860

Bourne Identity films but he was talking

388

00:16:59,930 --> 00:16:57,690

about when he was doing um Good Will

389

00:17:01,100 --> 00:16:59,940

Hunting he said what was really hard

390

00:17:03,019 --> 00:17:01,110

about that is that famous Sumer is

391

00:17:04,760 --> 00:17:03,029

drawing the theorem and the triangles in

392

00:17:07,790 --> 00:17:04,770

the in the corridor on the blackboard

393

00:17:09,559 --> 00:17:07,800

and he said so he obviously had no idea

394

00:17:10,550 --> 00:17:09,569

about the mats had a guy from the

395

00:17:11,600 --> 00:17:10,560

University of Toronto who was there

396

00:17:14,960 --> 00:17:11,610

advising on the stuff and he said what

397

00:17:17,689 --> 00:17:14,970

was really hard was it was talking words

398

00:17:19,309 --> 00:17:17,699

that he didn't really understand he was

399

00:17:21,590 --> 00:17:19,319

doing gestures with his hand that he

400

00:17:24,439 --> 00:17:21,600

didn't really understand but they the

401
00:17:26,990 --> 00:17:24,449
thing was they had to be in sync if he

402
00:17:28,100 --> 00:17:27,000
was talking and didn't realize that the

403
00:17:30,380 --> 00:17:28,110
vide was talking about he'd already

404
00:17:31,490 --> 00:17:30,390
drawn five seconds earlier or talking

405
00:17:33,169 --> 00:17:31,500
about what he hadn't seen your drawing

406
00:17:35,060 --> 00:17:33,179
what he hadn't spoken about yet the

407
00:17:38,390 --> 00:17:35,070
hardcore math nerds go what's he doing

408
00:17:40,460 --> 00:17:38,400
so he said combining those two skills

409
00:17:42,169 --> 00:17:40,470
that he had no idea about so I'd be like

410
00:17:43,580 --> 00:17:42,179
pretending to play the piano with one

411
00:17:44,750 --> 00:17:43,590
hand while pretending to juggle with the

412
00:17:47,000 --> 00:17:44,760
other when you can't do either

413
00:17:48,500 --> 00:17:47,010

he found that mind-bendingly art but he

414

00:17:50,690 --> 00:17:48,510

didn't great job no I believe that

415

00:17:53,270 --> 00:17:50,700

equals mc-squared is a result of a hob

416

00:17:54,919 --> 00:17:53,280

the chalkboard AB theorem have you have

417

00:17:58,910 --> 00:17:54,929

you ever looked at that area there yeah

418

00:18:00,290 --> 00:17:58,920

I've got a um a copy of Einstein's

419

00:18:01,730 --> 00:18:00,300

original manuscript that comes up with

420

00:18:03,740 --> 00:18:01,740

all that stuff which is just yeah yeah

421

00:18:05,750 --> 00:18:03,750

gorgeous gorgeous in polished I'll be

422

00:18:07,460 --> 00:18:05,760

hard to open so who's the guy who go man

423

00:18:09,380 --> 00:18:07,470

I wish I had these brain these days is

424

00:18:11,980 --> 00:18:09,390

it Hawking or someone else that we don't

425

00:18:17,780 --> 00:18:11,990

know there's an Aussie mathematician

426

00:18:19,400 --> 00:18:17,790

called Terry tau T a Oh who's in the

427

00:18:20,480 --> 00:18:19,410

band of the best mathematician in the

428

00:18:22,430 --> 00:18:20,490

world it's really yeah but I think you

429

00:18:24,010 --> 00:18:22,440

never say one person is the but could he

430

00:18:26,300 --> 00:18:24,020

be as

431

00:18:27,890 --> 00:18:26,310

popularly voted as anyone as the best

432

00:18:30,620 --> 00:18:27,900

mathematician will drop in a tide now

433

00:18:32,330 --> 00:18:30,630

works in the States and what's amazing

434

00:18:34,160 --> 00:18:32,340

about his mind is mathematics while we

435

00:18:36,230 --> 00:18:34,170

think of it from high school is just one

436

00:18:37,520 --> 00:18:36,240

big block of a subject mathematics at

437

00:18:40,130 --> 00:18:37,530

the higher levels breaks into branches

438

00:18:41,270 --> 00:18:40,140

and they are as distinct as if if you're

439

00:18:43,190 --> 00:18:41,280

studying French and I was studying

440

00:18:44,390 --> 00:18:43,200

Hebrew and someone said are you guys do

441

00:18:45,980 --> 00:18:44,400

languages why don't you sit down and

442

00:18:47,840 --> 00:18:45,990

chat they are that's new

443

00:18:50,060 --> 00:18:47,850

Terry's genius is that he can jump

444

00:18:51,680 --> 00:18:50,070

across various branches of mathematics

445

00:18:53,390 --> 00:18:51,690

or if you're doing something in number

446

00:18:56,720 --> 00:18:53,400

theory and he talks to someone who's

447

00:18:58,910 --> 00:18:56,730

working in out of real say you should

448

00:19:00,590 --> 00:18:58,920

talk to I think you're working on the

449

00:19:01,850 --> 00:19:00,600

Sun you guys should talk I think what

450

00:19:03,530 --> 00:19:01,860

you're doing is actually the same

451
00:19:05,180 --> 00:19:03,540
problem just seeing through a different

452
00:19:07,370 --> 00:19:05,190
lens I if I could live in Terry towel

453
00:19:07,820 --> 00:19:07,380
said for a few minutes that would be

454
00:19:11,600 --> 00:19:07,830
great

455
00:19:13,160 --> 00:19:11,610
or if I could be inside Magnus Carlson's

456
00:19:14,870 --> 00:19:13,170
brain as he played a game of chess that

457
00:19:16,640 --> 00:19:14,880
would blow my mind so where does the

458
00:19:18,020 --> 00:19:16,650
skepticism come in to what you do where

459
00:19:20,150 --> 00:19:18,030
where is that intersect with with your

460
00:19:22,420 --> 00:19:20,160
maths I think the essence of being human

461
00:19:25,670 --> 00:19:22,430
is to look at the universe and think

462
00:19:26,990 --> 00:19:25,680
what's going on that's what all humans

463
00:19:29,270 --> 00:19:27,000

do it's what separates us from dogs and

464

00:19:31,700 --> 00:19:29,280

animals why is this how does that work

465

00:19:35,650 --> 00:19:31,710

what's gonna happen next have all the

466

00:19:39,640 --> 00:19:35,660

different tools that we have to try and

467

00:19:43,900 --> 00:19:39,650

describe the world understand the world

468

00:19:47,000 --> 00:19:43,910

predict the world influence the world

469

00:19:48,950 --> 00:19:47,010

you've got poetry partridge great for

470

00:19:50,900 --> 00:19:48,960

describing the world not very good at

471

00:19:52,970 --> 00:19:50,910

predicting the modern I think you've got

472

00:19:54,789 --> 00:19:52,980

religious faith

473

00:19:59,330 --> 00:19:54,799

you don't really see the point of it

474

00:20:01,730 --> 00:19:59,340

numbers of a greatest tool we have to

475

00:20:04,490 --> 00:20:01,740

understand and conceptualize and and

476

00:20:06,470 --> 00:20:04,500

live the process of being human do you

477

00:20:08,150 --> 00:20:06,480

think there'll be a simple solution like

478

00:20:09,500 --> 00:20:08,160

equals mc-squared I think it's Anthony

479

00:20:10,850 --> 00:20:09,510

green is thought that you know one day

480

00:20:13,010 --> 00:20:10,860

we'll just be able to write on a window

481

00:20:14,570 --> 00:20:13,020

as simple and that will be what is

482

00:20:15,830 --> 00:20:14,580

reality do you think that's possible

483

00:20:17,570 --> 00:20:15,840

yeah that's it's called the unifying

484

00:20:19,789 --> 00:20:17,580

theory or the grand theory of everything

485

00:20:22,039 --> 00:20:19,799

like the paranormal people have their to

486

00:20:23,480 --> 00:20:22,049

the grand paranormal theory of

487

00:20:25,760 --> 00:20:23,490

everything is that the Earth's lat

488

00:20:27,380 --> 00:20:25,770

yeah because if you work back from that

489

00:20:30,169 --> 00:20:27,390

that explains all the other confusion

490

00:20:33,020 --> 00:20:30,179

yes so I'm I as easy I'm a long way from

491

00:20:39,320 --> 00:20:33,030

being an expert in the area but I would

492

00:20:44,360 --> 00:20:39,330

be surprised if there was both a single

493

00:20:46,549 --> 00:20:44,370

unifying theory and the human brain was

494

00:20:47,780 --> 00:20:46,559

smart enough to comprehend it it's one

495

00:20:49,130 --> 00:20:47,790

thing people have to understand it's

496

00:20:51,470 --> 00:20:49,140

just because universe is governed by

497

00:20:54,110 --> 00:20:51,480

physical rules and they may well coexist

498

00:20:55,580 --> 00:20:54,120

in some beautiful unified whole doesn't

499

00:20:58,520 --> 00:20:55,590

mean we'll ever be smart enough to work

500

00:21:01,460 --> 00:20:58,530

it out yeah so people sometimes look at

501
00:21:03,890 --> 00:21:01,470
the limits of human thinking and what we

502
00:21:05,510 --> 00:21:03,900
can understand and go therefore there

503
00:21:08,150 --> 00:21:05,520
has to be a god to be beyond there that

504
00:21:11,150 --> 00:21:08,160
just doesn't make sense I mean if life

505
00:21:13,880 --> 00:21:11,160
had only got as far on earth as dogs

506
00:21:15,110 --> 00:21:13,890
just like dogs were the most amazing

507
00:21:16,420 --> 00:21:15,120
thing on earth and humans had never

508
00:21:18,670 --> 00:21:16,430
evolved

509
00:21:21,100 --> 00:21:18,680
just because dogs don't understand the

510
00:21:22,180 --> 00:21:21,110
Big Bang doesn't mean it didn't happen

511
00:21:24,010 --> 00:21:22,190
hmm

512
00:21:26,260 --> 00:21:24,020
it's a really simplistic analogy but

513
00:21:28,690 --> 00:21:26,270

just because we can't formulate so

514

00:21:30,850 --> 00:21:28,700

there's quite possibly a grand unifying

515

00:21:32,530 --> 00:21:30,860

theory of everything but it exists at a

516

00:21:35,320 --> 00:21:32,540

level beyond our ability to ever

517

00:21:37,780 --> 00:21:35,330

comprehend it or it's possible that the

518

00:21:39,160 --> 00:21:37,790

things you need to observe for that

519

00:21:41,410 --> 00:21:39,170

grant through that happen

520

00:21:44,110 --> 00:21:41,420

exist elsewhere in a multiverse that

521

00:21:46,870 --> 00:21:44,120

we'll never be able to expand explore or

522

00:21:48,340 --> 00:21:46,880

observe so we might you might not be

523

00:21:51,010 --> 00:21:48,350

able to get far enough down the path

524

00:21:53,710 --> 00:21:51,020

just because it's not possible to for us

525

00:21:56,890 --> 00:21:53,720

to see stuff that is there in some sense

526

00:21:59,740 --> 00:21:56,900

but not within our temporal realm and

527

00:22:01,510 --> 00:21:59,750

where can we see your hear your podcast

528

00:22:03,610 --> 00:22:01,520

videos and things where can we get that

529

00:22:04,750 --> 00:22:03,620

I'm doing a podcast on the podcast one

530

00:22:06,400 --> 00:22:04,760

network and I don't called the big

531

00:22:08,770 --> 00:22:06,410

questions where I ask interesting people

532

00:22:10,930 --> 00:22:08,780

big questions and my books are available

533

00:22:11,710 --> 00:22:10,940

at Adam Spencer com dot are you that

534

00:22:14,980 --> 00:22:11,720

website again

535

00:22:17,260 --> 00:22:14,990

I'm Adam Spencer comma dot are you one

536

00:22:18,970 --> 00:22:17,270

last question if you're having a

537

00:22:20,590 --> 00:22:18,980

relaxing time and maybe having some

538

00:22:22,510 --> 00:22:20,600

drinks or something is there anything

539

00:22:25,390 --> 00:22:22,520

that enhances mathematics or does

540

00:22:27,730 --> 00:22:25,400

everything take away from it I've always

541

00:22:29,650 --> 00:22:27,740

engaged with mathematics most enjoyably

542

00:22:31,630 --> 00:22:29,660

when I'm really clear-headed like actual

543

00:22:34,090 --> 00:22:31,640

mathematical thoughts solving problems

544

00:22:36,100 --> 00:22:34,100

and the like telling beautiful stories

545

00:22:37,930 --> 00:22:36,110

about science and mathematicians and the

546

00:22:38,980 --> 00:22:37,940

journeys and all that can be enhanced

547

00:22:41,080 --> 00:22:38,990

when everyone's had a couple of drinks

548

00:22:42,700 --> 00:22:41,090

and their inhibitions are dropped but if

549

00:22:44,410 --> 00:22:42,710

someone's had it though there is from

550

00:22:45,970 --> 00:22:44,420

what I understand I only saw a tweet

551
00:22:48,040 --> 00:22:45,980
from dr. Karl on this monster and didn't

552
00:22:50,860 --> 00:22:48,050
follow up the story this seems to be

553
00:22:53,400 --> 00:22:50,870
bizarre evidence that if you study for

554
00:22:56,890 --> 00:22:53,410
an exam drunk

555
00:22:59,350 --> 00:22:56,900
you'll go slightly better if you sit the

556
00:23:00,730 --> 00:22:59,360
exam drunk than if you sit it's overplay

557
00:23:02,590 --> 00:23:00,740
so if you sit down and study if you've

558
00:23:04,630 --> 00:23:02,600
not not obliterator but if you've had a

559
00:23:07,060 --> 00:23:04,640
few wines while you're smashing through

560
00:23:08,350 --> 00:23:07,070
an all-nighter to do something you

561
00:23:09,610 --> 00:23:08,360
better to have long do it might leave

562
00:23:11,020 --> 00:23:09,620
out slightly but it's better to have one

563
00:23:13,840 --> 00:23:11,030

quick one to top it up just as you're

564

00:23:15,970 --> 00:23:13,850

walking it's a it's got that one thing

565

00:23:17,500 --> 00:23:15,980

like like the whole micro dosing of LSD

566

00:23:19,780 --> 00:23:17,510

like a very very very very very small

567

00:23:22,000 --> 00:23:19,790

dose and like every devil realm up yeah

568

00:23:25,090 --> 00:23:22,010

yeah yeah and it's um you know it's

569

00:23:26,590 --> 00:23:25,100

conceivable for people at the cutting

570

00:23:28,730 --> 00:23:26,600

edge of research that that might

571

00:23:31,040 --> 00:23:28,740

liberate some way of thinking

572

00:23:32,750 --> 00:23:31,050

my limited experience when I never

573

00:23:33,950 --> 00:23:32,760

finished but doing my PhD the people I

574

00:23:36,140 --> 00:23:33,960

was studying with I don't think many of

575

00:23:39,950 --> 00:23:36,150

them were dropping much acid to try and

576

00:23:41,390 --> 00:23:39,960

crack Fermat's Last Theorem look thank

577

00:23:43,310 --> 00:23:41,400

you look are you often out what are you

578

00:23:45,830 --> 00:23:43,320

gonna do it here okay my wings are gonna

579

00:23:47,360 --> 00:23:45,840

lie oh thank you twice as many books as

580

00:23:48,950 --> 00:23:47,370

dr. Cardy dish that I saw I'm walking

581

00:23:50,810 --> 00:23:48,960

with a spring of my stick I'm just the

582

00:23:53,120 --> 00:23:50,820

who's salt twice as many books as Earth

583

00:23:55,070 --> 00:23:53,130

dr. cup this guy here this guy now I'll

584

00:24:05,500 --> 00:23:55,080

be hearing about it don't you worry I'll

585

00:24:05,510 --> 00:24:18,800

[Music]

586

00:24:23,850 --> 00:24:21,270

hello this is Sharon Hill creator of

587

00:24:26,400 --> 00:24:23,860

doubtful news.com and the 15 credibility

588

00:24:28,650 --> 00:24:26,410

street podcast I have a new book for

589

00:24:30,780 --> 00:24:28,660

McFarland publishing called scientific

590

00:24:33,540 --> 00:24:30,790

Americans the culture of amateur

591

00:24:36,180 --> 00:24:33,550

paranormal researchers scientific

592

00:24:38,790 --> 00:24:36,190

means attempting to be scientific and do

593

00:24:41,310 --> 00:24:38,800

science but falling short this book is

594

00:24:43,320 --> 00:24:41,320

the first full examination of the rise

595

00:24:45,630 --> 00:24:43,330

of amateur research and investigation

596

00:24:47,820 --> 00:24:45,640

groups in America and how they do or

597

00:24:50,520 --> 00:24:47,830

don't use science to investigate ghosts

598

00:24:53,100 --> 00:24:50,530

UFOs and cryptids like Bigfoot and Lake

599

00:24:55,230 --> 00:24:53,110

Monsters I place these thousands of

600

00:24:57,840 --> 00:24:55,240

paranormal explorers into the historical

601
00:24:59,970 --> 00:24:57,850
context of their subject areas chart the

602
00:25:01,920 --> 00:24:59,980
influence of paranormal themed media and

603
00:25:04,320 --> 00:25:01,930
the Internet and examine what it means

604
00:25:06,930 --> 00:25:04,330
to do science and how amateurs can

605
00:25:08,820 --> 00:25:06,940
contribute paranormal believers skeptics

606
00:25:11,580 --> 00:25:08,830
and persons of all opinions in between

607
00:25:13,800 --> 00:25:11,590
will find scientific Americans to be a

608
00:25:16,140 --> 00:25:13,810
unique view of the modern relationship

609
00:25:18,000 --> 00:25:16,150
between science and society as well as

610
00:25:20,610 --> 00:25:18,010
our engagement with paranormal themes

611
00:25:22,560 --> 00:25:20,620
and popular culture purchase the book

612
00:25:24,930 --> 00:25:22,570
through your favorite bookseller or an

613
00:25:31,810 --> 00:25:24,940

Amazon Kindle version for more info

614

00:25:50,810 --> 00:25:47,530

[Music]

615

00:25:53,030 --> 00:25:50,820

from around the world well from around

616

00:25:57,290 --> 00:25:53,040

the United States three of my skeptical

617

00:25:59,720 --> 00:25:57,300

colleagues give their review of 2017

618

00:26:02,030 --> 00:25:59,730

from their point of view from their

619

00:26:04,280 --> 00:26:02,040

projects and what they're doing first up

620

00:26:11,000 --> 00:26:04,290

from guerrilla skepticism on Wikipedia

621

00:26:14,240 --> 00:26:11,010

it's Susan going 2017 has been an

622

00:26:15,950 --> 00:26:14,250

amazing year for gso w I've spoken at

623

00:26:20,300 --> 00:26:15,960

skeptic groups in Syracuse New York

624

00:26:23,720 --> 00:26:20,310

Washington DC Salem Oregon Scandinavia

625

00:26:27,290 --> 00:26:23,730

Poland Germany Switzerland Italy Spain

626

00:26:30,380 --> 00:26:27,300

Hungary Bulgaria in Las Vegas we're up

627

00:26:32,600 --> 00:26:30,390

to 132 GS o w editors in the secret

628

00:26:36,260 --> 00:26:32,610

cabal and have finished our five hundred

629

00:26:38,120 --> 00:26:36,270

and twenty second Wikipedia page those

630

00:26:40,670 --> 00:26:38,130

five hundred and twenty-two pages have

631

00:26:42,680 --> 00:26:40,680

given us 21 million two hundred and

632

00:26:45,680 --> 00:26:42,690

fifty four five hundred and ninety two

633

00:26:48,620 --> 00:26:45,690

total page views over eight hundred

634

00:26:50,780 --> 00:26:48,630

thousand views a month we are growing

635

00:26:53,510 --> 00:26:50,790

and we saw room for more people who went

636

00:26:55,520 --> 00:26:53,520

to train our most viewed Wikipedia page

637

00:26:57,800 --> 00:26:55,530

is the blue well game with over two

638

00:27:00,500 --> 00:26:57,810

million views since we rewrote the page

639

00:27:03,200 --> 00:27:00,510

in September other very viewed Wikipedia

640

00:27:05,840 --> 00:27:03,210

pages are cryotherapy spontaneous human

641

00:27:07,940 --> 00:27:05,850

combustion and the documentary what the

642

00:27:09,350 --> 00:27:07,950

health if you've never heard of these

643

00:27:12,020 --> 00:27:09,360

topics you might want to check them out

644

00:27:14,990 --> 00:27:12,030

on Wikipedia and other news we are now a

645

00:27:16,850 --> 00:27:15,000

501 C non-profit and are about to branch

646

00:27:18,590 --> 00:27:16,860

out into more activities we are

647

00:27:21,170 --> 00:27:18,600

currently working on a psychic sting

648

00:27:23,480 --> 00:27:21,180

that will finish in mid-january and as

649

00:27:25,850 --> 00:27:23,490

we were becoming a nonprofit even more

650

00:27:27,710 --> 00:27:25,860

things will be happening in 2018 that

651
00:27:30,470 --> 00:27:27,720
will affect the community so stay tuned

652
00:27:36,680 --> 00:27:30,480
find us on youtube facebook twitter and

653
00:27:46,730 --> 00:27:39,170
and now from the squaring the strange

654
00:27:49,400 --> 00:27:46,740
podcast it's Celestia Ward hey Richard

655
00:27:51,650 --> 00:27:49,410
and hey strangers Celestia Ward here

656
00:27:53,750 --> 00:27:51,660
from squaring the strange the weekly

657
00:27:56,360 --> 00:27:53,760
podcast that examines the mysterious and

658
00:27:58,430 --> 00:27:56,370
the mundane through a critical lens with

659
00:28:01,760 --> 00:27:58,440
Ben Radford and Pasquale Romero and

660
00:28:03,650 --> 00:28:01,770
sometimes me 2017 has really been a

661
00:28:06,500 --> 00:28:03,660
banner year for us certainly because we

662
00:28:08,270 --> 00:28:06,510
started existing this year our debut is

663
00:28:11,120 --> 00:28:08,280

back in April and since then we've put

664

00:28:13,160 --> 00:28:11,130

out 37 episodes each of them takes a

665

00:28:14,510 --> 00:28:13,170

deep dive into a main topic along with a

666

00:28:17,120 --> 00:28:14,520

quick look at whatever hits our

667

00:28:18,800 --> 00:28:17,130

skeptical radar that week and of course

668

00:28:21,110 --> 00:28:18,810

a few skeptical fortune cookies from

669

00:28:23,240 --> 00:28:21,120

yours truly some of our favorite

670

00:28:25,760 --> 00:28:23,250

episodes so far from this year have been

671

00:28:28,310 --> 00:28:25,770

on GMO foods the value of logical

672

00:28:30,650 --> 00:28:28,320

fallacies and of course the episodes on

673

00:28:32,720 --> 00:28:30,660

cryptids we try to look into a

674

00:28:35,390 --> 00:28:32,730

mysterious critter at least once a month

675

00:28:37,610 --> 00:28:35,400

and so far we've covered the chupacabra

676

00:28:40,520 --> 00:28:37,620

which Ben is the reigning world expert

677

00:28:42,920 --> 00:28:40,530

on and also the popobawa the lizard man

678

00:28:45,770 --> 00:28:42,930

and just a couple weeks ago we covered

679

00:28:47,990 --> 00:28:45,780

champ the lake monster we're lucky to

680

00:28:49,670 --> 00:28:48,000

have a really great mix of voices as Ben

681

00:28:52,040 --> 00:28:49,680

brings his first-hand experience from

682

00:28:54,260 --> 00:28:52,050

investigations and his expertise on

683

00:28:56,390 --> 00:28:54,270

research and communication as an author

684

00:28:58,700 --> 00:28:56,400

and deputy editor of skeptical inquirer

685

00:29:01,970 --> 00:28:58,710

and then Pasquale is a hard rock

686

00:29:04,550 --> 00:29:01,980

musician slash producer and I'm a

687

00:29:06,560 --> 00:29:04,560

cartoonist living in Las Vegas so while

688

00:29:08,480 --> 00:29:06,570

neither of us is a professional skeptic

689

00:29:10,850 --> 00:29:08,490

we've seen our share of strange things

690

00:29:13,910 --> 00:29:10,860

and most importantly we love arguing

691

00:29:16,400 --> 00:29:13,920

with Ben we had a wonderful guest join

692

00:29:18,620 --> 00:29:16,410

us back in August and drew Torres of

693

00:29:20,750 --> 00:29:18,630

opening arguments talk to us about legal

694

00:29:22,760 --> 00:29:20,760

skepticism and we just wrapped up an

695

00:29:25,760 --> 00:29:22,770

episode with the Facebook famous

696

00:29:27,980 --> 00:29:25,770

credible Hulk who is able to sit in with

697

00:29:30,080 --> 00:29:27,990

the guys at the strange studios and talk

698

00:29:32,900 --> 00:29:30,090

about bro science and the myths and

699

00:29:34,430 --> 00:29:32,910

misconceptions of working out just in

700

00:29:38,120 --> 00:29:34,440

time for people making their new year's

701

00:29:40,400 --> 00:29:38,130

resolutions for 2018 so while we're

702

00:29:42,110 --> 00:29:40,410

still a baby podcast we're working on

703

00:29:43,550 --> 00:29:42,120

our production values each week and have

704

00:29:45,800 --> 00:29:43,560

already made some significant

705

00:29:48,140 --> 00:29:45,810

improvements in terms of equipment and

706

00:29:50,180 --> 00:29:48,150

our whole editing process and as I talk

707

00:29:52,940 --> 00:29:50,190

to you now Richard we are hitting 40

708

00:29:55,009 --> 00:29:52,950

thousand downloads which is incredibly

709

00:29:56,570 --> 00:29:55,019

wonderful we're thrilled with that we

710

00:29:57,950 --> 00:29:56,580

also got the good news a few months ago

711

00:30:02,180 --> 00:29:57,960

that we were picked up by a radio

712

00:30:04,460 --> 00:30:02,190

station in Wisconsin 99.1 FM wide LP in

713

00:30:06,169 --> 00:30:04,470

Madison which means we have to bleep our

714

00:30:09,350 --> 00:30:06,179

bad words now and keep it relatively

715

00:30:11,509 --> 00:30:09,360

pg-13 which we do even though we did

716

00:30:13,850 --> 00:30:11,519

have a pretty racy episode around

717

00:30:17,960 --> 00:30:13,860

Halloween talking about the phenomenon

718

00:30:19,850 --> 00:30:17,970

of supernatural sex that is getting busy

719

00:30:23,619 --> 00:30:19,860

with ghosts which it turns out is a

720

00:30:26,119 --> 00:30:23,629

thing people report experiencing so

721

00:30:28,999 --> 00:30:26,129

wonderful tuning in with you and I hope

722

00:30:34,600 --> 00:30:29,009

your year was fantastic and we look

723

00:30:47,690 --> 00:30:37,519

finally from the skeptics guide to the

724

00:30:49,190 --> 00:30:47,700

universe is Evan Bernstein well 2017 has

725

00:30:52,100 --> 00:30:49,200

come and gone and just the other night

726

00:30:53,600 --> 00:30:52,110

we had our review show for 2017 at the

727

00:30:55,220 --> 00:30:53,610

skeptics guide to the universe and we

728

00:30:56,930 --> 00:30:55,230

talked about pretty typical things that

729

00:30:59,509 --> 00:30:56,940

we usually review over the course of a

730

00:31:01,009 --> 00:30:59,519

year such as a top science news stories

731

00:31:02,919 --> 00:31:01,019

of the year a lot of them having to do

732

00:31:05,210 --> 00:31:02,929

with outer space neutron stars colliding

733

00:31:07,490 --> 00:31:05,220

cassini plunging into Saturn and other

734

00:31:08,749 --> 00:31:07,500

things having also to do with things

735

00:31:11,779 --> 00:31:08,759

happening right here on earth including

736

00:31:14,139 --> 00:31:11,789

new archeological discoveries more

737

00:31:16,610 --> 00:31:14,149

hominid bones being discovered and

738

00:31:19,159 --> 00:31:16,620

CRISPR technology we delved into that a

739

00:31:20,960 --> 00:31:19,169

little bit and science marches on as

740

00:31:22,430 --> 00:31:20,970

usual of course we also have to talk

741

00:31:25,009 --> 00:31:22,440

about the people who are trying to bring

742

00:31:28,249 --> 00:31:25,019

down science the anti rational the anti

743

00:31:30,080 --> 00:31:28,259

science the pseudoscience and people who

744

00:31:32,509 --> 00:31:30,090

would be cheating and lying and stealing

745

00:31:35,210 --> 00:31:32,519

the real scam artists out there they all

746

00:31:35,659 --> 00:31:35,220

got a piece in the review certainly for

747

00:31:38,299 --> 00:31:35,669

the year

748

00:31:40,490 --> 00:31:38,309

I think 2017 compared to other years had

749

00:31:42,830 --> 00:31:40,500

certainly a unique touch to it because

750

00:31:45,019 --> 00:31:42,840

of the passing of the novellas father

751
00:31:47,090 --> 00:31:45,029
Joe novella and that sort of did have an

752
00:31:48,980 --> 00:31:47,100
impact I think on how things were

753
00:31:50,450 --> 00:31:48,990
discussed on the skeptics guide to the

754
00:31:53,269 --> 00:31:50,460
universe and sort of the tones it took

755
00:31:55,100 --> 00:31:53,279
for example for our two private shows

756
00:31:56,960 --> 00:31:55,110
that we did during the course of the

757
00:31:58,159 --> 00:31:56,970
year we got into some very personal

758
00:32:00,230 --> 00:31:58,169
discussions about things that we've

759
00:32:03,529 --> 00:32:00,240
really never talked about before either

760
00:32:06,859 --> 00:32:03,539
in private settings or private recording

761
00:32:09,830 --> 00:32:06,869
or certainly on the show so that

762
00:32:12,769 --> 00:32:09,840
experience sort of led us to sort of

763
00:32:15,469 --> 00:32:12,779

talking on these more personal topics I

764

00:32:18,320 --> 00:32:15,479

think than we've gone into in prior

765

00:32:20,149 --> 00:32:18,330

years which we received a lot of nice

766

00:32:21,200 --> 00:32:20,159

feedback for certainly over the course

767

00:32:23,359 --> 00:32:21,210

of the year and I think that was

768

00:32:26,539 --> 00:32:23,369

probably the most different thing for

769

00:32:28,039 --> 00:32:26,549

2017 but we move on for 2018 certainly

770

00:32:29,419 --> 00:32:28,049

doing more of the same of what we love

771

00:32:31,820 --> 00:32:29,429

and I know you Richard and everyone in

772

00:32:34,770 --> 00:32:31,830

the skeptic zone will be doing the exact

773

00:32:59,299 --> 00:32:34,780

same so we will see you next year

774

00:33:04,019 --> 00:33:01,769

thank you for listening to the skeptic

775

00:33:06,869 --> 00:33:04,029

zone the second-last skeptic zone for

776

00:33:08,700 --> 00:33:06,879

2017 as I look at the calendar I see

777

00:33:11,430 --> 00:33:08,710

there's one more coming up on New Year's

778

00:33:15,810 --> 00:33:11,440

Eve the 31st of December there will be

779

00:33:17,879 --> 00:33:15,820

one last skeptic zone for 2017 little

780

00:33:20,190 --> 00:33:17,889

did I know when I started this podcast

781

00:33:24,299 --> 00:33:20,200

with stefan way back in 7 psycho way

782

00:33:27,269 --> 00:33:24,309

back in 2008 it i'd be looking at coming

783

00:33:30,389 --> 00:33:27,279

up to a ten year mark which will be next

784

00:33:32,789 --> 00:33:30,399

year my goodness me and my friends from

785

00:33:34,349 --> 00:33:32,799

other podcasts like skeptoid or the

786

00:33:37,649 --> 00:33:34,359

skeptics guide to the universe or

787

00:33:40,680 --> 00:33:37,659

skepticity ask me or wonder if I'm

788

00:33:45,899 --> 00:33:40,690

still gonna carry on after 10 years and

789

00:33:48,570 --> 00:33:45,909

the answer is I don't know who knows I

790

00:33:50,909 --> 00:33:48,580

hope so I hope so I get lovely feedback

791

00:33:53,669 --> 00:33:50,919

from listeners apart from the listener

792

00:33:54,269 --> 00:33:53,679

who wrote a an interesting comment to me

793

00:33:56,249 --> 00:33:54,279

lately

794

00:34:00,149 --> 00:33:56,259

saying that they really liked the show

795

00:34:01,979 --> 00:34:00,159

apart from me hmm Merry Christmas I

796

00:34:04,859 --> 00:34:01,989

guess you can tell the jet lag is

797

00:34:07,859 --> 00:34:04,869

kicking in I better get to bed I better

798

00:34:09,839 --> 00:34:07,869

do that but until next week this is

799

00:34:16,680 --> 00:34:09,849

Richard Saunders signing off from the

800

00:34:18,750 --> 00:34:16,690

Bay Area San Francisco you've been

801
00:34:25,680 --> 00:34:18,760
listening to the skeptic zone podcast

802
00:34:28,139 --> 00:34:25,690
please visit our website at wwlp.com tax

803
00:34:32,190 --> 00:34:28,149
and to access the bat catalog of

804
00:34:33,899 --> 00:34:32,200
episodes going back to 2008 you can

805
00:34:36,960 --> 00:34:33,909
follow the skeptic zone podcast on

806
00:34:39,240 --> 00:34:36,970
twitter at skeptic zone visit our

807
00:34:40,129 --> 00:34:39,250
facebook page or leave a review on

808
00:34:42,809 --> 00:34:40,139
itunes

809
00:34:46,710 --> 00:34:42,819
you can also support the skeptic zone

810
00:34:49,289 --> 00:34:46,720
via patreon or PayPal you can be part of

811
00:34:53,700 --> 00:34:49,299
the show by downloading the voice byte

812
00:34:57,059 --> 00:34:53,710
app at Voice bite comm and using the

813
00:35:00,480 --> 00:34:57,069

hashtag skeptic zone the skeptic zone

814

00:35:02,160 --> 00:35:00,490

podcast is an independent production the

815

00:35:04,319 --> 00:35:02,170

views and opinions expressed on the

816

00:35:06,630 --> 00:35:04,329

skeptic zone are not necessarily those

817

00:35:08,440 --> 00:35:06,640

of Australian skeptics or any other