

Show 480

THE
**SKEPTIC
ZONE**
PODCAST

www.skepticzone.tv

31 December 2017



Moriel Schottlender

Moriel Schottlender and her
views on the FLAT EARTH

Advice for running
Skeptics in the Pub

Fortune Teller - Musée Mécanique
Located at Fisherman's Wharf in San Francisco,
The Musée Mécanique is one of the
world's largest privately owned collection of
coin-operated mechanical musical instruments
and antique arcade machines in their
original working (and playable) condition.



Musée Mécanique

1
00:00:09,080 --> 00:00:05,920

[Music]

2
00:00:11,830 --> 00:00:09,090

welcome to the skeptic zone the podcast

3
00:00:13,910 --> 00:00:11,840

from Australia for science and reason

4
00:00:16,880 --> 00:00:13,920

[Music]

5
00:00:22,970 --> 00:00:16,890

[Applause]

6
00:00:25,920 --> 00:00:22,980

[Music]

7
00:00:29,929 --> 00:00:25,930

hello and welcome to the skeptic Zone

8
00:00:35,580 --> 00:00:29,939

episode number 484 the 31st of December

9
00:00:38,549 --> 00:00:35,590

2017 goodbye goodbye good riddance go

10
00:00:40,260 --> 00:00:38,559

goodbye 2017 Richardson is here with you

11
00:00:42,630 --> 00:00:40,270

from the San Francisco Bay Area where

12
00:00:44,010 --> 00:00:42,640

I'm having a little bit of a break but

13
00:00:46,770 --> 00:00:44,020

not from the skeptic zone of course

14

00:00:48,660 --> 00:00:46,780

coming up on this week's show a trip

15

00:00:50,460 --> 00:00:48,670

downtown a couple of trips downtown I

16

00:00:50,790 --> 00:00:50,470

catch up with a very dear old friend of

17

00:00:53,160 --> 00:00:50,800

mine

18

00:00:57,120 --> 00:00:53,170

Mario Schott Lander who I met many years

19

00:01:01,229 --> 00:00:57,130

ago she was doing science videos how to

20

00:01:04,020 --> 00:01:01,239

do how to test for the speed of light

21

00:01:06,900 --> 00:01:04,030

how to measure the speed of light using

22

00:01:09,359 --> 00:01:06,910

chocolate bars and a microwave oven the

23

00:01:11,969 --> 00:01:09,369

Doppler effect with ducts in a bathtub

24

00:01:12,510 --> 00:01:11,979

all sorts of fun things now about 10

25

00:01:14,790 --> 00:01:12,520

years ago

26

00:01:17,910 --> 00:01:14,800

Morrell wrote an item online about the

27

00:01:21,150 --> 00:01:17,920

flat earth and ten reasons how you can

28

00:01:22,830 --> 00:01:21,160

tell the world really isn't flat well

29

00:01:26,130 --> 00:01:22,840

bizarrely enough of course over the last

30

00:01:28,919 --> 00:01:26,140

a year six months to a year the subject

31

00:01:30,600 --> 00:01:28,929

has come up again and her article on

32

00:01:32,430 --> 00:01:30,610

popular science is getting many many

33

00:01:35,430 --> 00:01:32,440

hits and comments and all the rest of it

34

00:01:37,770 --> 00:01:35,440

so I go downtown to Union Square in San

35

00:01:40,370 --> 00:01:37,780

Francisco catch up with Mario and we

36

00:01:43,770 --> 00:01:40,380

have a nice chat about the Flat Earth

37

00:01:46,559 --> 00:01:43,780

conspiracy theories and why it's why

38

00:01:48,389 --> 00:01:46,569

it's all come back again following that

39

00:01:50,370 --> 00:01:48,399

it's an article from the skeptic

40

00:01:53,669 --> 00:01:50,380

magazine at skeptics calm today.you

41

00:01:56,400 --> 00:01:53,679

written by Tim Mendham about skeptics in

42

00:01:58,980 --> 00:01:56,410

the pub recently there was a survey

43

00:02:02,070 --> 00:01:58,990

worldwide survey of skeptics in the pub

44

00:02:06,359 --> 00:02:02,080

and this is a report and some of the

45

00:02:09,240 --> 00:02:06,369

results it's a good guideline a good

46

00:02:12,440 --> 00:02:09,250

indication helpful advice for anybody

47

00:02:14,699 --> 00:02:12,450

wanting to start a skeptics in the pub

48

00:02:17,339 --> 00:02:14,709

when to round off the show I head back

49

00:02:21,350 --> 00:02:17,349

downtown to San Francisco to near Pier

50

00:02:24,300 --> 00:02:21,360

39 and visit the museum mechanic and

51
00:02:27,300 --> 00:02:24,310
which I do every time I'm here so it's a

52
00:02:30,089 --> 00:02:27,310
fantastic place arcade games going back

53
00:02:32,290 --> 00:02:30,099
over a century I always play Indiana

54
00:02:34,120 --> 00:02:32,300
Jones pinball machine always

55
00:02:37,720 --> 00:02:34,130
my favorite pinball machine of all time

56
00:02:40,470 --> 00:02:37,730
but this time I go and put a few coins

57
00:02:43,060 --> 00:02:40,480
into one of the fortune-telling machines

58
00:02:46,630 --> 00:02:43,070
just for a bit of fun to round off the

59
00:02:48,490 --> 00:02:46,640
show to round off 2017 a big thank you

60
00:02:51,700 --> 00:02:48,500
and a big shout-out to a genie Scott

61
00:02:53,680 --> 00:02:51,710
Eugenie Scott here in the Bay Area where

62
00:02:55,840 --> 00:02:53,690
my wife and I had a wonderful dinner

63
00:02:58,180 --> 00:02:55,850

with Jeanie we always catch up with

64

00:03:01,300 --> 00:02:58,190

Jeanie whenever we're here and I think

65

00:03:03,760 --> 00:03:01,310

if we're very lucky next week we might

66

00:03:07,420 --> 00:03:03,770

be going up by the coast a little bit to

67

00:03:11,920 --> 00:03:07,430

visit some of the giant sequoia forests

68

00:03:13,870 --> 00:03:11,930

if we do I'll bring you a report but now

69

00:03:17,380 --> 00:03:13,880

it's time for me to run upstairs and run

70

00:03:21,520 --> 00:03:17,390

upstairs one to two flights of stairs

71

00:03:24,030 --> 00:03:21,530

into the kitchen and have some have some

72

00:03:28,480 --> 00:03:24,040

of the leftover clam chowder the famous

73

00:03:29,950 --> 00:03:28,490

San Francisco clam chowder a favorite of

74

00:03:33,400 --> 00:03:29,960

mine for the last 20 years

75

00:03:34,400 --> 00:03:33,410

mmm while I do that I hope you enjoy the

76

00:04:03,320 --> 00:03:34,410

skeptic zone

77

00:04:09,390 --> 00:04:06,000

downtown San Francisco we're in Union

78

00:04:11,910 --> 00:04:09,400

Square and we're sitting just on the

79

00:04:14,040 --> 00:04:11,920

edge of an ice rink and they're just

80

00:04:16,770 --> 00:04:14,050

preparing for the next group of gleeful

81

00:04:20,160 --> 00:04:16,780

people to come out ice-skating I'm with

82

00:04:22,650 --> 00:04:20,170

Mario hello Mario hello it's so great to

83

00:04:24,690 --> 00:04:22,660

have this going on now especially in

84

00:04:27,000 --> 00:04:24,700

that now in front of an ice rink and

85

00:04:30,150 --> 00:04:27,010

yeah it's a nice day it's it's warm

86

00:04:32,400 --> 00:04:30,160

isn't it it's surprising it's about 10

87

00:04:35,780 --> 00:04:32,410

degrees warmer than I would expect well

88

00:04:38,550 --> 00:04:35,790

in a San Francisco so I think that's

89

00:04:41,750 --> 00:04:38,560

usually expected now we've known each

90

00:04:45,210 --> 00:04:41,760

other for many years we first met well

91

00:04:47,640 --> 00:04:45,220

nine years ago at the amazing meeting

92

00:04:48,960 --> 00:04:47,650

yeah but we were corresponding before

93

00:04:51,450 --> 00:04:48,970

then because you were doing various

94

00:04:55,710 --> 00:04:51,460

things online demonstrating science

95

00:04:57,860 --> 00:04:55,720

concepts in your bathtub I did yeah

96

00:04:59,490 --> 00:04:57,870

that's one of those and then a chocolate

97

00:05:01,590 --> 00:04:59,500

measuring the speed of light with

98

00:05:03,350 --> 00:05:01,600

chocolate bars yep yeah I should get

99

00:05:05,820 --> 00:05:03,360

back to those I eat a lot of chocolate

100

00:05:10,110 --> 00:05:05,830

you're already a cycled smarter than

101
00:05:12,780 --> 00:05:10,120
that yes yeah so just before we get into

102
00:05:15,000 --> 00:05:12,790
the topic which I know you love to talk

103
00:05:17,370 --> 00:05:15,010
about which is the flat earth well what

104
00:05:19,950 --> 00:05:17,380
what are you doing at the moment so I'm

105
00:05:21,410 --> 00:05:19,960
um I work as a software engineer at the

106
00:05:24,650 --> 00:05:21,420
Wikimedia Foundation

107
00:05:27,200 --> 00:05:24,660
a little shift from physics but I don't

108
00:05:29,960 --> 00:05:27,210
think it was a lot of shift some of my

109
00:05:34,510 --> 00:05:29,970
friends disagree but yeah so I do that

110
00:05:37,760 --> 00:05:34,520
now for the past like four years or so I

111
00:05:42,350 --> 00:05:37,770
took a little shift I went to to do my

112
00:05:45,710 --> 00:05:42,360
master's in computer science and then I

113
00:05:48,080 --> 00:05:45,720

went to an internship in the Wikimedia

114

00:05:49,880 --> 00:05:48,090

Foundation and I just fell in love with

115

00:05:51,140 --> 00:05:49,890

it so we could meet oh no and for those

116

00:05:52,790 --> 00:05:51,150

people who don't know what is that all

117

00:05:56,410 --> 00:05:52,800

about the Wikimedia Foundation so that

118

00:05:58,760 --> 00:05:56,420

we can mean that foundation operates

119

00:06:01,520 --> 00:05:58,770

Wikipedia is probably the the site that

120

00:06:03,740 --> 00:06:01,530

everybody knows but we have about 11

121

00:06:07,250 --> 00:06:03,750

other also projects like Wiktionary and

122

00:06:10,100 --> 00:06:07,260

wikispecies and we voice Wiktionary I am

123

00:06:13,400 --> 00:06:10,110

NOT Wiktionary yes it's a free

124

00:06:15,290 --> 00:06:13,410

dictionary of course of course in the

125

00:06:18,770 --> 00:06:15,300

spirit of Wikipedia so there's actually

126

00:06:22,970 --> 00:06:18,780

11 project including Wiki Commons

127

00:06:25,580 --> 00:06:22,980

of course yeah picture so we operate all

128

00:06:29,060 --> 00:06:25,590

those products we support the

129

00:06:31,670 --> 00:06:29,070

communities you know we build like you

130

00:06:33,110 --> 00:06:31,680

know the infrastructure that allows you

131

00:06:36,560 --> 00:06:33,120

know for the sharing of free information

132

00:06:39,440 --> 00:06:36,570

for the world and I just fell in love

133

00:06:42,050 --> 00:06:39,450

with the mission and I thought I can

134

00:06:44,780 --> 00:06:42,060

support that so and this is base year in

135

00:06:48,140 --> 00:06:44,790

San Francisco so we're actually all over

136

00:06:51,650 --> 00:06:48,150

the actual yeah the actual yeah the the

137

00:06:57,080 --> 00:06:51,660

headquarters are here in downtown San

138

00:06:58,250 --> 00:06:57,090

Francisco and we have staff all over the

139

00:07:00,590 --> 00:06:58,260

world I'm trying to remember if I

140

00:07:02,770 --> 00:07:00,600

probably won't remember all the

141

00:07:05,720 --> 00:07:02,780

countries but yeah all over the world

142

00:07:07,190 --> 00:07:05,730

the the yeah the buildings like you know

143

00:07:09,410 --> 00:07:07,200

the actual like offices and stuff are

144

00:07:11,420 --> 00:07:09,420

here in San Francisco that's very

145

00:07:14,960 --> 00:07:11,430

interesting now let's get to this topic

146

00:07:16,250 --> 00:07:14,970

because some years ago about 2008 I

147

00:07:18,890 --> 00:07:16,260

think he was telling me thinking you

148

00:07:22,820 --> 00:07:18,900

wrote something online about the Flat

149

00:07:24,680 --> 00:07:22,830

Earth and unbelievably this has come

150

00:07:27,860 --> 00:07:24,690

back to bite you hasn't it oh my gosh

151

00:07:29,510 --> 00:07:27,870

you know I didn't even expect that that

152

00:07:31,940 --> 00:07:29,520

one would be the one to come and bite me

153

00:07:34,780 --> 00:07:31,950

because I didn't even write it as you

154

00:07:36,740 --> 00:07:34,790

know a an article that would be

155

00:07:39,860 --> 00:07:36,750

contentious I wrote it as a

156

00:07:41,180 --> 00:07:39,870

tongue-in-cheek article to explain to

157

00:07:42,980 --> 00:07:41,190

the people who already know that the

158

00:07:45,230 --> 00:07:42,990

world is round just kind of like a

159

00:07:47,240 --> 00:07:45,240

layout and explanation of how we do it

160

00:07:49,370 --> 00:07:47,250

like you know it wasn't because of you

161

00:07:51,530 --> 00:07:49,380

know Columbus finding the Americas

162

00:07:53,030 --> 00:07:51,540

obviously so how did we know it and how

163

00:07:54,680 --> 00:07:53,040

far back did we know it like you know

164

00:07:56,570 --> 00:07:54,690

from the Greek time and how do doing it

165

00:07:58,850 --> 00:07:56,580

that was the point of it and so I wrote

166

00:08:02,240 --> 00:07:58,860

an article you know ten ways to know the

167

00:08:06,040 --> 00:08:02,250

earth is not flat and I basically laid

168

00:08:09,260 --> 00:08:06,050

out ten ten ways that we in human

169

00:08:10,420 --> 00:08:09,270

societies down to like you know

170

00:08:13,090 --> 00:08:10,430

thousands of

171

00:08:17,200 --> 00:08:13,100

knew that the world is not only not flat

172

00:08:18,610 --> 00:08:17,210

but it is round and we can measure its

173

00:08:22,000 --> 00:08:18,620

circumference yes

174

00:08:25,240 --> 00:08:22,010

and I published that and that gained a

175

00:08:28,900 --> 00:08:25,250

little bit of attention for for several

176

00:08:30,490 --> 00:08:28,910

years yeah a little bit of really weird

177

00:08:33,880 --> 00:08:30,500

attention I started getting comments

178

00:08:35,830 --> 00:08:33,890

from you know somewhat trolls and some I

179

00:08:37,990 --> 00:08:35,840

think were actually members of the Flat

180

00:08:40,510 --> 00:08:38,000

Earth Society I couldn't never I could

181

00:08:43,270 --> 00:08:40,520

never really tell the difference I know

182

00:08:45,790 --> 00:08:43,280

I you know I think some of them you know

183

00:08:47,380 --> 00:08:45,800

did this just to stir the waters but

184

00:08:49,390 --> 00:08:47,390

there were people who actually believe

185

00:08:52,300 --> 00:08:49,400

that beer sits flat so then there were a

186

00:08:56,590 --> 00:08:52,310

lot of arguments in the comments and

187

00:08:58,480 --> 00:08:56,600

this was in 2008 and every I think every

188

00:09:02,290 --> 00:08:58,490

year so I had like you know a wave where

189

00:09:06,480 --> 00:09:02,300

I suddenly would get twenty thirty up to

190

00:09:09,540 --> 00:09:06,490

than 50 comments a day on that

191

00:09:13,530 --> 00:09:09,550

ridiculous argument yeah

192

00:09:16,019 --> 00:09:13,540

I mean there's no words yeah I know yeah

193

00:09:16,769 --> 00:09:16,029

it's it's it's a it's the running joke

194

00:09:19,110 --> 00:09:16,779

isn't it

195

00:09:19,769 --> 00:09:19,120

in the skeptical community it's it's the

196

00:09:22,670 --> 00:09:19,779

running joke

197

00:09:25,680 --> 00:09:22,680

oh yes flat earth of course ha ha but I

198

00:09:29,940 --> 00:09:25,690

guess the joke is on us now in the last

199

00:09:31,800 --> 00:09:29,950

six months so yeah I mean at some point

200

00:09:33,690 --> 00:09:31,810

I decided I'd never do that

201
00:09:36,930 --> 00:09:33,700
but at some point I just decided to

202
00:09:39,090 --> 00:09:36,940
close down the comments on that post I

203
00:09:41,160 --> 00:09:39,100
think there's something like 6,000

204
00:09:44,130 --> 00:09:41,170
comments on that post already and it

205
00:09:46,590 --> 00:09:44,140
became completely out of control and I

206
00:09:48,180 --> 00:09:46,600
didn't feel like there was really much

207
00:09:49,319 --> 00:09:48,190
contribution it just kept on going the

208
00:09:51,120 --> 00:09:49,329
same arguments I just closed the

209
00:09:52,949 --> 00:09:51,130
comments and then a couple months after

210
00:09:54,900 --> 00:09:52,959
that which was I think six months ago or

211
00:09:58,350 --> 00:09:54,910
maybe a year ago something like that I

212
00:10:01,590 --> 00:09:58,360
know if you remember but the rapper

213
00:10:03,810 --> 00:10:01,600

b.o.b I think that was him yeah

214

00:10:07,699 --> 00:10:03,820

yeah he started going off with you know

215

00:10:10,769 --> 00:10:07,709

Flat Earth wise comments whatever

216

00:10:12,480 --> 00:10:10,779

baiting you know specifically I think it

217

00:10:14,280 --> 00:10:12,490

was the Neil deGrasse Tyson but baiting

218

00:10:15,930 --> 00:10:14,290

the scientific community to answer back

219

00:10:18,329 --> 00:10:15,940

and there was a little bit of noise

220

00:10:20,130 --> 00:10:18,339

online but of course Neil deGrasse Tyson

221

00:10:23,160 --> 00:10:20,140

has better things to do so he answered

222

00:10:26,460 --> 00:10:23,170

on Twitter and then dropped it but then

223

00:10:29,010 --> 00:10:26,470

I got an email from

224

00:10:31,110 --> 00:10:29,020

popular science and they were saying hey

225

00:10:32,880 --> 00:10:31,120

this is you know came up to the news

226

00:10:35,070 --> 00:10:32,890

again and we're wondering if we can

227

00:10:37,829 --> 00:10:35,080

republish you know the article that you

228

00:10:40,290 --> 00:10:37,839

wrote and of course I said yes I was

229

00:10:42,360 --> 00:10:40,300

really honored it was really cool I was

230

00:10:46,290 --> 00:10:42,370

like sure yeah of course

231

00:10:47,699 --> 00:10:46,300

let me think of note yes of course so

232

00:10:50,430 --> 00:10:47,709

they did and they put it up and it was

233

00:10:53,820 --> 00:10:50,440

really cool and I knew that you know if

234

00:10:56,040 --> 00:10:53,830

I got on my website you know five

235

00:10:57,630 --> 00:10:56,050

thousand or something comments I'd

236

00:11:00,780 --> 00:10:57,640

probably get a few more comments on

237

00:11:02,699 --> 00:11:00,790

popular science publication in it of

238

00:11:05,630 --> 00:11:02,709

course I did like on Twitter people

239

00:11:08,340 --> 00:11:05,640

started to you know either thank me or

240

00:11:10,139 --> 00:11:08,350

argue most of the arguments of course

241

00:11:12,810 --> 00:11:10,149

were people who seem to not have read

242

00:11:14,610 --> 00:11:12,820

the article you know they argued and

243

00:11:18,360 --> 00:11:14,620

then all I had to do was read number

244

00:11:21,720 --> 00:11:18,370

three but the earth isn't flat because

245

00:11:23,579 --> 00:11:21,730

blah oh and number nine which is great

246

00:11:25,440 --> 00:11:23,589

when you make a list right then our

247

00:11:28,670 --> 00:11:25,450

article that is a list of things that

248

00:11:33,930 --> 00:11:28,680

you can refer to the to the answer

249

00:11:38,040 --> 00:11:33,940

really so yeah so then you know ever

250

00:11:41,040 --> 00:11:38,050

since then every time anyone and it

251
00:11:44,400 --> 00:11:41,050
seemed to be happening lately raises the

252
00:11:48,300 --> 00:11:44,410
issue who Flat Earth I seem to be the

253
00:11:49,560 --> 00:11:48,310
easy target to approach with either you

254
00:11:52,199 --> 00:11:49,570
don't know what you're talking about the

255
00:11:56,240 --> 00:11:52,209
world is flat and then weird arguments

256
00:11:59,730 --> 00:11:56,250
or you know hey share this whatever so

257
00:12:03,540 --> 00:11:59,740
one of the things that are happening is

258
00:12:05,490 --> 00:12:03,550
that you know in Twitter you can mention

259
00:12:09,030 --> 00:12:05,500
someone and then the rest of the thread

260
00:12:12,300 --> 00:12:09,040
that someone will you know remain yeah

261
00:12:14,940 --> 00:12:12,310
mentioned so I would get in in kind of

262
00:12:18,510 --> 00:12:14,950
waves ever since the publication I would

263
00:12:20,610 --> 00:12:18,520

get just conversations of people that

264

00:12:23,639 --> 00:12:20,620

are saying of course the world isn't

265

00:12:25,139 --> 00:12:23,649

flat because and then you know arguments

266

00:12:26,070 --> 00:12:25,149

that they think I never heard before but

267

00:12:28,440 --> 00:12:26,080

of course

268

00:12:29,850 --> 00:12:28,450

you heard them all right I mean there's

269

00:12:34,889 --> 00:12:29,860

a limit to how many arguments you can

270

00:12:36,990 --> 00:12:34,899

put out the doors is flat I just let it

271

00:12:39,509 --> 00:12:37,000

happen at some point I'm like thanks

272

00:12:41,160 --> 00:12:39,519

that's awesome and just let them visit

273

00:12:42,900 --> 00:12:41,170

me at the article and popular science

274

00:12:45,240 --> 00:12:42,910

this is your your writing that's still

275

00:12:46,530 --> 00:12:45,250

online and popular science it is we will

276

00:12:48,930 --> 00:12:46,540

certainly link to that in the show notes

277

00:12:50,519 --> 00:12:48,940

and what I mean what's the number one

278

00:12:52,350 --> 00:12:50,529

thing that the flat earthers would come

279

00:12:53,910 --> 00:12:52,360

you know right off the bat what would

280

00:12:55,470 --> 00:12:53,920

they say Oh what's their biggest

281

00:12:57,360 --> 00:12:55,480

argument oh they would say I don't know

282

00:12:59,960 --> 00:12:57,370

what I'm talking about and the

283

00:13:03,389 --> 00:12:59,970

government is is just lying to everybody

284

00:13:06,780 --> 00:13:03,399

I I don't know if I saw like in a one

285

00:13:09,560 --> 00:13:06,790

single oh we have a that's the one world

286

00:13:14,340 --> 00:13:09,570

government flying overhead that's right

287

00:13:16,800 --> 00:13:14,350

I mean I I can't say that I you know

288

00:13:18,690 --> 00:13:16,810

I've seen one specific argument I think

289

00:13:21,120 --> 00:13:18,700

I've seen one specific method because I

290

00:13:23,970 --> 00:13:21,130

think that what they do is no matter

291

00:13:26,400 --> 00:13:23,980

what you say they will say that you know

292

00:13:29,400 --> 00:13:26,410

the government is behind it or that you

293

00:13:31,620 --> 00:13:29,410

are the skill of the government so it's

294

00:13:33,840 --> 00:13:31,630

quite often they revert to a conspiracy

295

00:13:36,360 --> 00:13:33,850

theory very quickly yeah they start with

296

00:13:39,540 --> 00:13:36,370

that they say they don't even they don't

297

00:13:42,840 --> 00:13:39,550

even go by you know or most of the times

298

00:13:44,550 --> 00:13:42,850

they don't even go enough by lets you

299

00:13:47,010 --> 00:13:44,560

know argue with the science like oh no

300

00:13:48,480 --> 00:13:47,020

but how come this is true right they

301

00:13:51,090 --> 00:13:48,490

would start with that something very

302

00:13:54,030 --> 00:13:51,100

small like for example the reason that

303

00:13:56,490 --> 00:13:54,040

you see boats in the horizon right that

304

00:13:58,949 --> 00:13:56,500

the boats and one of the arguments is

305

00:14:00,540 --> 00:13:58,959

that boats in the horizon rise up yeah

306

00:14:02,430 --> 00:14:00,550

so you see them rise up right and then

307

00:14:04,139 --> 00:14:02,440

you say well obviously one of the things

308

00:14:07,230 --> 00:14:04,149

they'll say is that no your eyes are

309

00:14:10,860 --> 00:14:07,240

just not very good I know it's weird

310

00:14:12,569 --> 00:14:10,870

oh just shaking my head in disbelief and

311

00:14:16,860 --> 00:14:12,579

I got that and you know I wear glasses

312

00:14:20,100 --> 00:14:16,870

so they're not wrong but you know we do

313

00:14:21,329 --> 00:14:20,110

use I don't know binoculars or stuff

314

00:14:24,420 --> 00:14:21,339

like that so they would say something

315

00:14:25,620 --> 00:14:24,430

that is fairly ridiculous so they would

316

00:14:27,630 --> 00:14:25,630

say something like no actually that's

317

00:14:28,949 --> 00:14:27,640

the distance see if you look at the

318

00:14:30,550 --> 00:14:28,959

distance and then when I show and I

319

00:14:33,310 --> 00:14:30,560

think in the article there's there

320

00:14:36,460 --> 00:14:33,320

even like drawn drawn out angles the

321

00:14:38,230 --> 00:14:36,470

things show it yeah so when I show that

322

00:14:40,060 --> 00:14:38,240

even if that's true even if like you

323

00:14:43,000 --> 00:14:40,070

know your eyes specifically can see it

324

00:14:45,100 --> 00:14:43,010

let's sleep look at you know just optics

325

00:14:49,360 --> 00:14:45,110

like the science of you know the physics

326

00:14:51,880 --> 00:14:49,370

of optics then they immediately go to no

327

00:14:53,860 --> 00:14:51,890

it can't be it's a conspiracy or but

328

00:14:56,050 --> 00:14:53,870

then and they jump to the next one like

329

00:14:57,340 --> 00:14:56,060

you know when you go in a plane you can

330

00:14:58,930 --> 00:14:57,350

actually don't see it this way and let

331

00:15:01,150 --> 00:14:58,940

me say yes you do know it's the windows

332

00:15:04,180 --> 00:15:01,160

that or 10 or whatever so they just jump

333

00:15:07,570 --> 00:15:04,190

from one since it's that bad yes I mean

334

00:15:08,920 --> 00:15:07,580

well I I guess that has to be because in

335

00:15:11,680 --> 00:15:08,930

the back of my head I'm thinking oh they

336

00:15:13,480 --> 00:15:11,690

must have some halfway convincing

337

00:15:15,070 --> 00:15:13,490

argument really really don't know no

338

00:15:19,000 --> 00:15:15,080

they don't and you know what there there

339

00:15:20,380 --> 00:15:19,010

are some that also so they I encounter a

340

00:15:25,150 --> 00:15:20,390

lot of people that are either actual

341

00:15:29,590 --> 00:15:25,160

flat earthers or that are expanding

342

00:15:33,070 --> 00:15:29,600

earth fearest I'm getting my head around

343

00:15:33,579 --> 00:15:33,080

one thing they're expanding what's this

344

00:15:38,740 --> 00:15:33,589

all about

345

00:15:42,970 --> 00:15:38,750

oh gosh sit down listen is it all right

346

00:15:45,880 --> 00:15:42,980

yeah and and yeah I hope so

347

00:15:49,600 --> 00:15:45,890

the expanding Earth theory which is not

348

00:15:52,210 --> 00:15:49,610

a really sentence theory but ok says

349

00:15:54,250 --> 00:15:52,220

that the earth started out smaller yeah

350

00:15:57,100 --> 00:15:54,260

and then it is expanding like a balloon

351

00:15:59,500 --> 00:15:57,110

and that is the reason for you know the

352

00:16:00,040 --> 00:15:59,510

shift the movements from Pangaea to the

353

00:16:10,869 --> 00:16:00,050

you know

354

00:16:16,629 --> 00:16:10,879

and whatever at least they say the earth

355

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

is a sphere yes yes no here's the thing

356

00:16:24,569 --> 00:16:18,649

so I I did a bachelor's in physics yeah

357

00:16:28,629 --> 00:16:24,579

and I think in in the first month of

358

00:16:31,509 --> 00:16:28,639

electrodynamics we solved for what would

359

00:16:33,479 --> 00:16:31,519

happen if the earth was hollow and it

360

00:16:35,919 --> 00:16:33,489

took us about like you know a homework

361

00:16:36,879 --> 00:16:35,929

assignment to realize that that is

362

00:16:39,519 --> 00:16:36,889

ridiculous

363

00:16:41,590 --> 00:16:39,529

right one homework assignment so true it

364

00:16:45,009 --> 00:16:41,600

was in college level but it was like the

365

00:16:48,539 --> 00:16:45,019

first year of physics so it's absolutely

366

00:16:51,939 --> 00:16:48,549

ridiculous there are it's no words but

367

00:16:52,780 --> 00:16:51,949

they seem to be very related with kind

368

00:16:54,069 --> 00:16:52,790

of like you know the Flat Earth

369

00:16:55,479 --> 00:16:54,079

obviously they don't agree with

370

00:16:57,489 --> 00:16:55,489

themselves like you know one one thing

371

00:17:00,160 --> 00:16:57,499

this way but they use a lot of the

372

00:17:02,679 --> 00:17:00,170

common things right like you know they

373

00:17:05,319 --> 00:17:02,689

use a lot of the oh no the government is

374

00:17:07,929 --> 00:17:05,329

lying to you or we are being dismissed

375

00:17:09,490 --> 00:17:07,939

even though we know the truth of the

376

00:17:11,679 --> 00:17:09,500

matter even though they will not be able

377

00:17:12,460 --> 00:17:11,689

to solve for the fairly easy it's not

378

00:17:14,769 --> 00:17:12,470

that horrible

379

00:17:17,409 --> 00:17:14,779

equations of okay how would gravity work

380

00:17:20,740 --> 00:17:17,419

you know if the earth was hollow yeah

381

00:17:22,179 --> 00:17:20,750

right which you can do without much the

382

00:17:24,669 --> 00:17:22,189

mass would be completely different

383

00:17:28,449 --> 00:17:24,679

surely look at you just you have a lot

384

00:17:30,430 --> 00:17:28,459

less mass for one but there's yeah I

385

00:17:32,649 --> 00:17:30,440

mean it's it's ridiculous it's just

386

00:17:34,450 --> 00:17:32,659

Willie I mean I know we're going down

387

00:17:36,399 --> 00:17:34,460

the rabbit hole already but what is it

388

00:17:39,669 --> 00:17:36,409

about especially about the Flat Earth

389

00:17:41,740 --> 00:17:39,679

what is so appealing in the last six

390

00:17:45,510 --> 00:17:41,750

months the last year why are so many

391

00:17:48,710 --> 00:17:45,520

people jumping on the bandwagon as a

392

00:17:50,360 --> 00:17:48,720

cable car goes by over there there

393

00:17:52,910 --> 00:17:50,370

why are so many people jumping on this

394

00:17:57,940 --> 00:17:52,920

bandwagon what's what's the appeal you

395

00:18:01,010 --> 00:17:57,950

know I think we we have just a movement

396

00:18:03,860 --> 00:18:01,020

fairly recently in the last couple of

397

00:18:05,720 --> 00:18:03,870

years of just anti science and I think

398

00:18:09,200 --> 00:18:05,730

that affects that a lot I mean I think

399

00:18:13,970 --> 00:18:09,210

people are anti intellectualism right

400

00:18:18,800 --> 00:18:13,980

and anti science is just rising and for

401
00:18:20,540 --> 00:18:18,810
people who are you know who look for

402
00:18:22,580 --> 00:18:20,550
something to latch onto to kind of like

403
00:18:24,290 --> 00:18:22,590
you know to say okay that is wrong it's

404
00:18:26,570 --> 00:18:24,300
an easy one right because you look out

405
00:18:27,860 --> 00:18:26,580
the window the world does look flat well

406
00:18:29,990 --> 00:18:27,870
that's what they say they say you know I

407
00:18:31,850 --> 00:18:30,000
look around me and I go to the ocean and

408
00:18:34,040 --> 00:18:31,860
I look out and it looks it doesn't look

409
00:18:35,870 --> 00:18:34,050
round to me that's right and you know

410
00:18:41,240 --> 00:18:35,880
you and I and all I listen to the game

411
00:18:44,270 --> 00:18:41,250
will do I mean yes what what I find

412
00:18:46,900 --> 00:18:44,280
really weird in that is that I could

413
00:18:50,600 --> 00:18:46,910

have understood that and like you know

414

00:18:52,100 --> 00:18:50,610

hundred years ago even but nowadays you

415

00:18:54,740 --> 00:18:52,110

have telescopes that can look at other

416

00:18:56,570 --> 00:18:54,750

planets in your own apartment you don't

417

00:18:58,990 --> 00:18:56,580

even need to do anything and you see

418

00:19:03,310 --> 00:18:59,000

that other planets are round

419

00:19:05,080 --> 00:19:03,320

and yeah I mean you go on a plane and

420

00:19:07,659 --> 00:19:05,090

you see the curvature of the earth from

421

00:19:10,090 --> 00:19:07,669

the plane it's so accessible now right

422

00:19:12,430 --> 00:19:10,100

yeah so I do think that the Flat Earth

423

00:19:14,740 --> 00:19:12,440

thing is not as many people I think

424

00:19:16,960 --> 00:19:14,750

that's just it's very it's a small a lot

425

00:19:19,539 --> 00:19:16,970

of people just do it for fun I think I

426

00:19:21,399 --> 00:19:19,549

think there are probably you know trolls

427

00:19:22,720 --> 00:19:21,409

mixed in with you do believe I also

428

00:19:24,399 --> 00:19:22,730

think that some of them and this is

429

00:19:26,980 --> 00:19:24,409

something that I noticed not just with

430

00:19:29,380 --> 00:19:26,990

flat let's just do general sort of

431

00:19:32,560 --> 00:19:29,390

science I think some of the people that

432

00:19:35,289 --> 00:19:32,570

we argue with are actually kids that try

433

00:19:38,169 --> 00:19:35,299

to learn things and they fall into

434

00:19:40,360 --> 00:19:38,179

sometimes traps that they don't

435

00:19:41,620 --> 00:19:40,370

understand and it seems very logical and

436

00:19:43,630 --> 00:19:41,630

they read things that they don't know

437

00:19:45,549 --> 00:19:43,640

how to analyze the air and they latch

438

00:19:47,980 --> 00:19:45,559

onto that and think oh the adults

439

00:19:49,330 --> 00:19:47,990

dismiss me because I'm a kid you know so

440

00:19:52,060 --> 00:19:49,340

I see a lot of those it's kind of like

441

00:19:54,669 --> 00:19:52,070

the forums that I'm in and it's it's

442

00:19:58,600 --> 00:19:54,679

hard because you you don't want to you

443

00:20:00,669 --> 00:19:58,610

know completely discouraged you know the

444

00:20:01,840 --> 00:20:00,679

kid from learning you don't want to say

445

00:20:03,190 --> 00:20:01,850

dude you have no idea what you're

446

00:20:05,260 --> 00:20:03,200

talking about cause honey they won't go

447

00:20:06,610 --> 00:20:05,270

out and you know try to learn but on the

448

00:20:09,310 --> 00:20:06,620

other hand you kind of do want them to

449

00:20:11,529 --> 00:20:09,320

understand that they're not doing it

450

00:20:14,260 --> 00:20:11,539

right so those arguments for me are the

451
00:20:17,020 --> 00:20:14,270
hardest because I do see potential and I

452
00:20:18,789 --> 00:20:17,030
am trying yeah but the rest are yeah

453
00:20:21,100 --> 00:20:18,799
there are trolls and there are you know

454
00:20:22,990 --> 00:20:21,110
just cranks out there there's people who

455
00:20:26,380 --> 00:20:23,000
you know no matter what you do will

456
00:20:27,680 --> 00:20:26,390
believe that you know 9/11 was planned

457
00:20:35,360 --> 00:20:27,690
and

458
00:20:37,669 --> 00:20:35,370
though you know we should think it back

459
00:20:39,769 --> 00:20:37,679
once again to people just default to

460
00:20:41,810 --> 00:20:39,779
conspiracy theory and sort of covers

461
00:20:43,490 --> 00:20:41,820
their every argument in the end no

462
00:20:45,320 --> 00:20:43,500
matter what argument you put up if your

463
00:20:46,009 --> 00:20:45,330

your argument is obviously part of the

464

00:20:48,470 --> 00:20:46,019

conspiracy

465

00:20:50,749 --> 00:20:48,480

reminds me some months ago I was on the

466

00:20:52,340 --> 00:20:50,759

radio doing a radio segment and the host

467

00:20:54,080 --> 00:20:52,350

said to me okay Richard you've got 30

468

00:20:55,779 --> 00:20:54,090

seconds convince us why the world is

469

00:20:58,610 --> 00:20:55,789

round

470

00:21:00,529 --> 00:20:58,620

alright Mario you've got 30 seconds why

471

00:21:08,600 --> 00:21:00,539

is the world round well luckily I wrote

472

00:21:11,269 --> 00:21:08,610

an article about it I think so I mean

473

00:21:14,259 --> 00:21:11,279

yeah I mean I I honestly I stopped

474

00:21:17,360 --> 00:21:14,269

arguing with with flat-earthers

475

00:21:18,860 --> 00:21:17,370

because I see all the arguments over and

476
00:21:20,720 --> 00:21:18,870
over and they're being answered not just

477
00:21:22,249 --> 00:21:20,730
in my article I mean there's a lot of

478
00:21:24,259 --> 00:21:22,259
other articles they're being answered

479
00:21:27,769 --> 00:21:24,269
and usually when someone says that

480
00:21:30,080 --> 00:21:27,779
nowadays they they don't care about the

481
00:21:34,460 --> 00:21:30,090
answer yes of course yeah yeah so there

482
00:21:36,110 --> 00:21:34,470
is not a day I mean you know two months

483
00:21:37,850 --> 00:21:36,120
ago I was hearing a lot about the Flat

484
00:21:40,850 --> 00:21:37,860
Earth not so much now I think these

485
00:21:42,680 --> 00:21:40,860
things come and go but that it's there

486
00:21:44,419 --> 00:21:42,690
at all is still amazing you know what

487
00:21:46,070 --> 00:21:44,429
you heard about it I think it was either

488
00:21:47,960 --> 00:21:46,080

two months or maybe a month ago you know

489

00:21:49,460 --> 00:21:47,970

why it was in the news because there's a

490

00:21:52,009 --> 00:21:49,470

guy who decided from the Flat Earth

491

00:21:55,490 --> 00:21:52,019

Science Society or something decided to

492

00:21:59,029 --> 00:21:55,500

shoot himself from a cannon in order to

493

00:22:02,029 --> 00:21:59,039

prove that the world is flat so good

494

00:22:03,889 --> 00:22:02,039

luck yes I mean let's stand up and we

495

00:22:08,419 --> 00:22:03,899

walk over to the gate here the fence and

496

00:22:11,389 --> 00:22:08,429

look at this we have all these kids and

497

00:22:17,880 --> 00:22:11,399

people all now merrily skating on there

498

00:22:23,200 --> 00:22:20,560

mário great to catch up with you once

499

00:22:25,480 --> 00:22:23,210

again here in San Francisco and well

500

00:22:27,640 --> 00:22:25,490

here's to the flat earth here here's to

501
00:22:29,470 --> 00:22:27,650
going back to Australia over the curve

502
00:22:51,430 --> 00:22:29,480
right over the edge of the of the earth

503
00:22:53,650 --> 00:22:51,440
over the edge it never ends

504
00:22:56,260 --> 00:22:53,660
friend starts talking about his new

505
00:22:58,840 --> 00:22:56,270
Reiki Master and someone else posts

506
00:23:00,580 --> 00:22:58,850
about another all natural cancer cure

507
00:23:03,340 --> 00:23:00,590
that they don't want you to know about

508
00:23:06,010 --> 00:23:03,350
as skeptics we dedicate a lot of time

509
00:23:07,920 --> 00:23:06,020
trying to protect those around us but

510
00:23:10,840 --> 00:23:07,930
there's a way you can reach millions

511
00:23:12,550 --> 00:23:10,850
guerrilla skepticism on Wikipedia is a

512
00:23:14,890 --> 00:23:12,560
group that is working to keep the best

513
00:23:16,840 --> 00:23:14,900

skeptical information at everyone's

514

00:23:20,500 --> 00:23:16,850

fingertips in all languages

515

00:23:23,170 --> 00:23:20,510

join us training a self-paced and fun

516

00:23:25,630 --> 00:23:23,180

and we have a very own super secret

517

00:23:28,330 --> 00:23:25,640

Facebook group you'll be educating the

518

00:23:33,390 --> 00:23:28,340

world in your sleep to find out more

519

00:23:37,500 --> 00:23:33,400

email us at GS o w team at gmail.com

520

00:23:39,740 --> 00:23:37,510

guerrilla skepticism the time is now

521

00:23:56,730 --> 00:23:39,750

music by bensound.com

522

00:24:04,539 --> 00:23:59,799

from the pages of the Australian skeptic

523

00:24:08,799 --> 00:24:04,549

magazine the skeptic volume 37 number 4

524

00:24:11,500 --> 00:24:08,809

for December 2017 an article by Tim

525

00:24:13,659 --> 00:24:11,510

Mendham all about skeptics in the pub

526

00:24:15,940 --> 00:24:13,669

now a longtime listeners to a sceptic

527

00:24:18,310 --> 00:24:15,950

zone are very familiar with that the

528

00:24:20,649 --> 00:24:18,320

reports but it could be by may nod at

529

00:24:22,360 --> 00:24:20,659

Sydney skeptics in the pub skeptics in

530

00:24:23,710 --> 00:24:22,370

the pub it's a lot of fun it's

531

00:24:25,419 --> 00:24:23,720

relatively easy to put together

532

00:24:31,360 --> 00:24:25,429

providing you can find the right venue

533

00:24:34,870 --> 00:24:31,370

of course and it's certainly worth

534

00:24:37,899 --> 00:24:34,880

trying out in your location the article

535

00:24:40,419 --> 00:24:37,909

says Australia has had a close

536

00:24:43,029 --> 00:24:40,429

association with the history of those

537

00:24:45,399 --> 00:24:43,039

informal gatherings known as skeptics in

538

00:24:48,279 --> 00:24:45,409

the pub Tim Mendham reports on the highs

539

00:24:52,000 --> 00:24:48,289

and lows and current state of the

540

00:24:54,450 --> 00:24:52,010

skeptics in the pub movement Wikipedia

541

00:24:57,490 --> 00:24:54,460

to find skeptics in the pub as quote an

542

00:24:59,380 --> 00:24:57,500

informal social event designed to

543

00:25:01,450 --> 00:24:59,390

promote fellowship and the social

544

00:25:03,940 --> 00:25:01,460

networking among skeptics critical

545

00:25:06,039 --> 00:25:03,950

thinkers free thinkers rationalists and

546

00:25:08,169 --> 00:25:06,049

other like-minded individuals it

547

00:25:10,630 --> 00:25:08,179

provides an opportunity for skeptics to

548

00:25:13,419 --> 00:25:10,640

talk share ideas and have fun in a

549

00:25:16,480 --> 00:25:13,429

casual atmosphere and discuss whatever

550

00:25:19,500 --> 00:25:16,490

topic or issues come to mind while

551
00:25:23,110 --> 00:25:19,510
promoting skepticism science and

552
00:25:25,510 --> 00:25:23,120
rationality end quote now of course that

553
00:25:28,480 --> 00:25:25,520
leaves out the key ingredient which is

554
00:25:30,549 --> 00:25:28,490
the pub meeting in a convivial

555
00:25:33,190 --> 00:25:30,559
environment with drinks and hopefully a

556
00:25:35,649 --> 00:25:33,200
meal a speaker and probably some

557
00:25:39,430 --> 00:25:35,659
interesting intriguing and/or real

558
00:25:42,250 --> 00:25:39,440
questions means the venue has to lend

559
00:25:44,620 --> 00:25:42,260
itself to such activities and generally

560
00:25:46,600 --> 00:25:44,630
not charging for admission means there

561
00:25:49,480 --> 00:25:46,610
aren't many places where such gatherings

562
00:25:52,539 --> 00:25:49,490
can take place some gatherings are quite

563
00:25:55,360 --> 00:25:52,549

small the table in the corner may do and

564

00:25:57,880 --> 00:25:55,370

others require a room dedicated to the

565

00:26:00,460 --> 00:25:57,890

event so your choice of venue will very

566

00:26:05,080 --> 00:26:00,470

much decide what sort of meeting

567

00:26:07,810 --> 00:26:05,090

intended to be ye oldie puppy while the

568

00:26:11,110 --> 00:26:07,820

ye is actually pronounced to thee but

569

00:26:13,149 --> 00:26:11,120

anyway the skeptics in the pub movement

570

00:26:16,029 --> 00:26:13,159

is generally agreed to have started in

571

00:26:17,789 --> 00:26:16,039

London in 1999 and that's where the

572

00:26:21,340 --> 00:26:17,799

Australian Connexions raises its head

573

00:26:24,340 --> 00:26:21,350

dr. Scott Campbell was associate

574

00:26:26,529 --> 00:26:24,350

professor and reader in philosophy at

575

00:26:28,360 --> 00:26:26,539

the University of Nottingham equally

576

00:26:30,640 --> 00:26:28,370

pertinent is that he was born in

577

00:26:33,340 --> 00:26:30,650

Tasmania got his doctorate from the

578

00:26:35,080 --> 00:26:33,350

University of New South Wales and was on

579

00:26:37,750 --> 00:26:35,090

the committee of Australian skeptics Inc

580

00:26:39,250 --> 00:26:37,760

in Sydney during the mid 90s he also

581

00:26:42,070 --> 00:26:39,260

spoke at the third world

582

00:26:44,350 --> 00:26:42,080

skeptics convention in the year 2000 at

583

00:26:46,690 --> 00:26:44,360

that time the largest sceptical event

584

00:26:48,430 --> 00:26:46,700

ever held in Australia the London

585

00:26:51,430 --> 00:26:48,440

skeptics in the pub started in February

586

00:26:54,220 --> 00:26:51,440

1999 with the first speaker being Wendy

587

00:26:57,130 --> 00:26:54,230

Grossman the founder and editor of the

588

00:26:59,710 --> 00:26:57,140

UK skeptic magazine Campbell based the

589

00:27:02,140 --> 00:26:59,720

idea around philosophy in the pub and

590

00:27:04,120 --> 00:27:02,150

science in the pub to groups which had

591

00:27:06,520 --> 00:27:04,130

been running in Australia for some time

592

00:27:10,000 --> 00:27:06,530

the first London skeptics in the pub

593

00:27:12,970 --> 00:27:10,010

attracted 30 attendees it is still going

594

00:27:16,240 --> 00:27:12,980

and now jointly by many others Wikipedia

595

00:27:18,220 --> 00:27:16,250

suggests quote more than 100 active

596

00:27:21,039 --> 00:27:18,230

satellite chapters around the world

597

00:27:24,250 --> 00:27:21,049

including more than 30 in the US and

598

00:27:27,310 --> 00:27:24,260

more than 40 in the UK in quote calling

599

00:27:29,950 --> 00:27:27,320

them satellites is misleading

600

00:27:32,350 --> 00:27:29,960

while some skeptics in the pub our

601
00:27:35,020 --> 00:27:32,360
activities run by more established

602
00:27:37,270 --> 00:27:35,030
skeptical groups one of the key aspects

603
00:27:42,010 --> 00:27:37,280
of skeptics in the pub is that they are

604
00:27:45,010 --> 00:27:42,020
informal and run their own programs the

605
00:27:47,110 --> 00:27:45,020
current state the Glasgow skeptics

606
00:27:49,330 --> 00:27:47,120
decided to investigate the true status

607
00:27:51,730 --> 00:27:49,340
of the phenomenon and did a global

608
00:27:55,450 --> 00:27:51,740
survey of skeptics in the pub managers

609
00:27:58,360 --> 00:27:55,460
and organizers Glasgow skeptics itself

610
00:28:00,190 --> 00:27:58,370
was formed in 2009 and runs two pub

611
00:28:02,830 --> 00:28:00,200
meetings per month as well as other

612
00:28:05,380 --> 00:28:02,840
meetings and lectures the glass region

613
00:28:08,080 --> 00:28:05,390

has contacted 115 organizations around

614

00:28:12,460 --> 00:28:08,090

the world by the sceptics in the pub's

615

00:28:14,300 --> 00:28:12,470

own websites Facebook Twitter Email etc

616

00:28:17,870 --> 00:28:14,310

whatever means the particular scape

617

00:28:20,810 --> 00:28:17,880

in the pub used they heard back from 53

618

00:28:23,900 --> 00:28:20,820

of them in the UK Island they approached

619

00:28:27,050 --> 00:28:23,910

53 and had 28 responses both sets of

620

00:28:29,420 --> 00:28:27,060

responses can be seen to be a good

621

00:28:31,700 --> 00:28:29,430

representative sample of the entirety of

622

00:28:35,180 --> 00:28:31,710

the skeptics in the pub movement one

623

00:28:39,110 --> 00:28:35,190

issue is knowing whether those skeptics

624

00:28:42,320 --> 00:28:39,120

in the pubs that did not respond were

625

00:28:44,840 --> 00:28:42,330

either inactive or just a bit apathetic

626

00:28:47,630 --> 00:28:44,850

it can be a frustration to would-be

627

00:28:51,740 --> 00:28:47,640

attendees if they visit a meet-up page

628

00:28:54,170 --> 00:28:51,750

and see little to indicate whether a

629

00:28:56,000 --> 00:28:54,180

meeting is on or not it is even more

630

00:28:57,680 --> 00:28:56,010

frustrating if they have to take the

631

00:29:01,520 --> 00:28:57,690

plunge and turn up to a skeptics in the

632

00:29:03,620 --> 00:29:01,530

pub meeting to find no one's there to a

633

00:29:05,620 --> 00:29:03,630

certain extent however it is

634

00:29:08,030 --> 00:29:05,630

understandable skeptics in the pub

635

00:29:10,900 --> 00:29:08,040

launched with the best of intentions but

636

00:29:14,180 --> 00:29:10,910

because of various factors such as there

637

00:29:16,940 --> 00:29:14,190

just isn't an audience or key organisers

638

00:29:18,950 --> 00:29:16,950

move on they can fall by the wayside

639

00:29:21,350 --> 00:29:18,960

there have been various like that in

640

00:29:23,210 --> 00:29:21,360

Australia though currently there are 19

641

00:29:26,390 --> 00:29:23,220

groups listened in the pages of this

642

00:29:28,640 --> 00:29:26,400

magazine most of which but not all are

643

00:29:31,430 --> 00:29:28,650

active in holding meetings and sometimes

644

00:29:34,100 --> 00:29:31,440

take on more activist roles of the UK

645

00:29:37,160 --> 00:29:34,110

groups 5 had only one organizer which

646

00:29:39,440 --> 00:29:37,170

puts groups at risk of fading if that

647

00:29:41,810 --> 00:29:39,450

one person decides enough is enough gets

648

00:29:44,960 --> 00:29:41,820

transferred or for whatever reason pulls

649

00:29:47,480 --> 00:29:44,970

out of the organiser role conversely 8

650

00:29:50,960 --> 00:29:47,490

groups have five or more organizers

651
00:29:54,170 --> 00:29:50,970
which implies a good backup for all

652
00:29:58,040 --> 00:29:54,180
contingencies and hopefully not many

653
00:30:00,470 --> 00:29:58,050
arguments over direction 34 of the

654
00:30:03,290 --> 00:30:00,480
skeptics in the pub who responded have

655
00:30:08,090 --> 00:30:03,300
Facebook pages and 20 have Facebook

656
00:30:10,580 --> 00:30:08,100
groups 3 users Twitter 32 Meetup and 9

657
00:30:13,880 --> 00:30:10,590
uses YouTube and 3 each for both

658
00:30:16,010 --> 00:30:13,890
Instagram and Google+ six groups

659
00:30:20,030 --> 00:30:16,020
frequently or always pay for advertising

660
00:30:22,850 --> 00:30:20,040
and five occasionally 7 rarely and the

661
00:30:26,060 --> 00:30:22,860
vast majority 31 never use paid

662
00:30:28,070 --> 00:30:26,070
advertising but they do use a wide range

663
00:30:30,620 --> 00:30:28,080

of media to promote events a

664

00:30:32,570 --> 00:30:30,630

from Facebook Twitter and Meetup there

665

00:30:34,250 --> 00:30:32,580

is promotion via other groups asking

666

00:30:37,009 --> 00:30:34,260

speakers to promote their own talk

667

00:30:40,159 --> 00:30:37,019

newsletters posted Facebook events using

668

00:30:42,049 --> 00:30:40,169

keywords Flyers selecting a group of

669

00:30:44,600 --> 00:30:42,059

high-profile speakers during the year to

670

00:30:47,810 --> 00:30:44,610

encourage a regular audience and of

671

00:30:50,330 --> 00:30:47,820

course word of mouth one even resorted

672

00:30:53,620 --> 00:30:50,340

to using posters in the pubs toilets

673

00:30:57,649 --> 00:30:53,630

with Facebook followers nine groups had

674

00:31:00,019 --> 00:30:57,659

250 or less and four had more than 2,000

675

00:31:04,190 --> 00:31:00,029

the rest are largely gathered around the

676
00:31:07,070 --> 00:31:04,200
200 to 1000 mark so how often do they

677
00:31:10,610 --> 00:31:07,080
meet at the bottom end 10 groups hosted

678
00:31:14,330 --> 00:31:10,620
5 or less events per year at the top end

679
00:31:18,080 --> 00:31:14,340
two groups hosted more than 30 ie close

680
00:31:22,430 --> 00:31:18,090
to three per month the vast majority

681
00:31:25,789 --> 00:31:22,440
hosts between 6 and 15 events so we can

682
00:31:27,950 --> 00:31:25,799
say monthly meetings are the norm as to

683
00:31:30,710 --> 00:31:27,960
the size of the meeting 5 groups had an

684
00:31:33,980 --> 00:31:30,720
average attendance of 10 people or less

685
00:31:36,350 --> 00:31:33,990
with 7 averaging more than 50 the rest

686
00:31:39,139 --> 00:31:36,360
are fairly evenly staggered between 11

687
00:31:42,680 --> 00:31:39,149
and 50 in the UK the average donation

688
00:31:46,310 --> 00:31:42,690

made by attendees is 2 pounds and 70

689

00:31:48,230 --> 00:31:46,320

pounds words of wisdom what advice did

690

00:31:50,659 --> 00:31:48,240

they offer to those who would like to

691

00:31:53,509 --> 00:31:50,669

set up as skeptics in the pub or get

692

00:31:56,269 --> 00:31:53,519

theirs running more smoothly consistency

693

00:31:58,180 --> 00:31:56,279

of timing and format is an important

694

00:32:02,899 --> 00:31:58,190

aspect of keeping audiences interested

695

00:32:06,049 --> 00:32:02,909

quote same venue same place same date in

696

00:32:08,750 --> 00:32:06,059

quotes said one UK group one Australian

697

00:32:11,720 --> 00:32:08,760

skeptics in the pub put it quote promote

698

00:32:13,639 --> 00:32:11,730

early and promote often get on the

699

00:32:16,399 --> 00:32:13,649

podcast especially for the bigger events

700

00:32:19,250 --> 00:32:16,409

like skeptic amp we rarely if ever pay

701
00:32:21,860 --> 00:32:19,260
for promotion share links into the

702
00:32:23,480 --> 00:32:21,870
regional skeptical groups we regularly

703
00:32:26,299 --> 00:32:23,490
get people from interstate for our

704
00:32:28,960 --> 00:32:26,309
skeptic amp get people sharing the

705
00:32:32,289 --> 00:32:28,970
events in quote another Australian group

706
00:32:34,549 --> 00:32:32,299
quote tip number one develop an ongoing

707
00:32:37,220 --> 00:32:34,559
relationship with the manager of the

708
00:32:39,680 --> 00:32:37,230
venue always bear in mind it is a

709
00:32:41,789 --> 00:32:39,690
business for them and holding your event

710
00:32:43,830 --> 00:32:41,799
has to be commercially viable

711
00:32:46,259 --> 00:32:43,840
particularly if they are putting on

712
00:32:48,989 --> 00:32:46,269
extra stuff for the event in quote being

713
00:32:50,999 --> 00:32:48,999

properly prepared is a regular

714

00:32:54,330 --> 00:32:51,009

suggestions especially with appropriate

715

00:32:56,369 --> 00:32:54,340

seating theater style or dinner ensuring

716

00:32:59,070 --> 00:32:56,379

you have the correct AV for all

717

00:33:01,859 --> 00:32:59,080

occasions one group suggested providing

718

00:33:04,529 --> 00:33:01,869

laptops for presenters to make sure they

719

00:33:06,210 --> 00:33:04,539

are compatible with the venue having a

720

00:33:09,720 --> 00:33:06,220

well thought-out checklist for both

721

00:33:12,720 --> 00:33:09,730

prior and during the event is obviously

722

00:33:14,519 --> 00:33:12,730

vital make sure everyone knows what they

723

00:33:17,180 --> 00:33:14,529

have to do and are prepared

724

00:33:20,009 --> 00:33:17,190

finding good speakers can be a challenge

725

00:33:22,349 --> 00:33:20,019

generally recommendations for attendees

726

00:33:24,989 --> 00:33:22,359

or committee members is a good starting

727

00:33:27,599 --> 00:33:24,999

point once you have one preparing them

728

00:33:30,180 --> 00:33:27,609

is important so they are aware of how

729

00:33:32,729 --> 00:33:30,190

much time they have and what they can

730

00:33:34,499 --> 00:33:32,739

expect from the audience and what level

731

00:33:37,529 --> 00:33:34,509

of information they will need to have

732

00:33:40,739 --> 00:33:37,539

most skeptical audiences are pretty well

733

00:33:44,700 --> 00:33:40,749

educated have an interest in science but

734

00:33:48,029 --> 00:33:44,710

a few have PhDs in advanced mathematical

735

00:33:50,129 --> 00:33:48,039

theory always have a plan B it says one

736

00:33:52,440 --> 00:33:50,139

New Zealand group and most importantly

737

00:33:57,239 --> 00:33:52,450

has one danish group suggests quote a

738

00:33:59,759 --> 00:33:57,249

good place with decent beer in quote fun

739

00:34:02,549 --> 00:33:59,769

and games apart from all the

740

00:34:05,369 --> 00:34:02,559

quantitative stuff and good advice the

741

00:34:08,069 --> 00:34:05,379

Glasgow survey allowed respondents free

742

00:34:10,950 --> 00:34:08,079

rein to wax lyrical on issues they've

743

00:34:13,710 --> 00:34:10,960

faced sometimes you wonder why they do

744

00:34:16,649 --> 00:34:13,720

it for instance for one New Zealand

745

00:34:18,629 --> 00:34:16,659

group quote that was a cold rainy night

746

00:34:21,329 --> 00:34:18,639

when there was me and one other person

747

00:34:22,980 --> 00:34:21,339

who turned up in quote that can be

748

00:34:25,200 --> 00:34:22,990

particularly embarrassing when you have

749

00:34:27,450 --> 00:34:25,210

a high profile speaker who arrives and

750

00:34:30,930 --> 00:34:27,460

there are more people behind the bar

751
00:34:33,569 --> 00:34:30,940
than in the audience one European group

752
00:34:36,329 --> 00:34:33,579
reported on a particularly challenging

753
00:34:40,139 --> 00:34:36,339
event quote we had a sceptical event

754
00:34:43,049 --> 00:34:40,149
about Satanism we're two very drunk of

755
00:34:45,389 --> 00:34:43,059
bonafide e Satanists turned up and ended

756
00:34:48,539 --> 00:34:45,399
up in a drunk fight it was interesting

757
00:34:51,149 --> 00:34:48,549
but the talk was very good end quote if

758
00:34:53,550 --> 00:34:51,159
only they could all be as exciting as

759
00:34:57,129 --> 00:34:55,810
maybe thanks to Brian ego of the

760
00:35:00,040 --> 00:34:57,139
Glasgow skeptics

761
00:35:01,960 --> 00:35:00,050
let's go skeptics comm for organizing

762
00:35:04,510 --> 00:35:01,970
this survey and supplying us with the

763
00:35:06,849 --> 00:35:04,520

results Brian gave a presentation

764

00:35:09,670 --> 00:35:06,859

covering the survey and a recent QED

765

00:35:13,210 --> 00:35:09,680

convention in Manchester from which some

766

00:35:15,550 --> 00:35:13,220

of this article is drawn and that report

767

00:35:18,190 --> 00:35:15,560

can be found in the latest issue of the

768

00:35:21,820 --> 00:35:18,200

skeptic magazine available at skeptics

769

00:35:25,690 --> 00:35:21,830

comm delay you volume 37 number 4 for

770

00:35:28,780 --> 00:35:25,700

December 2017 along with many many other

771

00:35:35,310 --> 00:35:28,790

fine articles and just as an aside I

772

00:35:37,810 --> 00:35:35,320

believe it was 2003 when yours truly

773

00:35:41,680 --> 00:35:37,820

founded Sydney skeptics in the pub it

774

00:35:45,250 --> 00:35:41,690

was 2003 or 2004 since then we've met

775

00:35:46,900 --> 00:35:45,260

just about every month in one pub or

776

00:35:49,390 --> 00:35:46,910

another we've moved about four or five

777

00:35:52,210 --> 00:35:49,400

different pubs around the city currently

778

00:35:54,550 --> 00:35:52,220

we're at the Occidental near winin where

779

00:36:02,020 --> 00:35:54,560

I think we've found probably the best

780

00:36:04,210 --> 00:36:02,030

venue so far and one that reminds me

781

00:36:07,060 --> 00:36:04,220

coming up in a next month or the month

782

00:36:09,400 --> 00:36:07,070

after we'll be having a sceptical trivia

783

00:36:29,830 --> 00:36:09,410

night at skeptics in the pub stay tuned

784

00:36:32,740 --> 00:36:29,840

for more information hi this is dr.

785

00:36:34,990 --> 00:36:32,750

Pamela gay from astronomy cast each week

786

00:36:37,000 --> 00:36:35,000

Fraser Cain and I take our listeners on

787

00:36:40,060 --> 00:36:37,010

a fact-based journey through the cosmos

788

00:36:42,849 --> 00:36:40,070

with our weekly podcast we explain not

789

00:36:44,650 --> 00:36:42,859

just what we know but how we know what

790

00:36:47,410 --> 00:36:44,660

we know about this universe that we

791

00:36:50,050 --> 00:36:47,420

share check us out at astronomy cast

792

00:36:51,910 --> 00:36:50,060

calm and look for us in itunes google

793

00:36:54,830 --> 00:36:51,920

play and where ever you download

794

00:36:57,750 --> 00:36:54,840

podcasts see online

795

00:36:58,110 --> 00:36:57,760

[Music]

796

00:37:17,779 --> 00:36:58,120

[Applause]

797

00:37:23,039 --> 00:37:20,549

downtown San Francisco I'm just near the

798

00:37:25,559 --> 00:37:23,049

Ferry Building which is at the end of

799

00:37:29,160 --> 00:37:25,569

Market Street those of you who know it

800

00:37:31,470 --> 00:37:29,170

and that is if you don't well I guess

801
00:37:33,720 --> 00:37:31,480
you can look at Google Maps I'm going to

802
00:37:36,750 --> 00:37:33,730
walk along the Embarcadero past all the

803
00:37:39,960 --> 00:37:36,760
piers it takes about half an hour so

804
00:37:42,809 --> 00:37:39,970
it's a pleasant stroll the street cars

805
00:37:44,819 --> 00:37:42,819
whizzing by me in the traffic and I'll

806
00:37:47,609 --> 00:37:44,829
be heading for the museum McCanney could

807
00:37:50,789 --> 00:37:47,619
say it's a fascinating place it's full

808
00:37:55,210 --> 00:37:50,799
of old arcade games dating back a

809
00:38:00,700 --> 00:37:57,250
here comes the cable car right now our

810
00:38:02,350 --> 00:38:00,710
trailer should say there it goes

811
00:38:04,060 --> 00:38:02,360
the trams are different from the cable

812
00:38:06,400 --> 00:38:04,070
cars but anyway part of the attraction

813
00:38:09,430 --> 00:38:06,410

no part of the interest of this museum

814

00:38:11,110 --> 00:38:09,440

I'm heading to apart from the old

815

00:38:14,520 --> 00:38:11,120

pinball machines I used to play are a

816

00:38:21,820 --> 00:38:14,530

collection of fortune-telling machines

817

00:38:24,690 --> 00:38:21,830

dating back decades so the museum

818

00:38:28,030 --> 00:38:24,700

[Music]

819

00:38:31,180 --> 00:38:28,040

well almost at the destination the

820

00:38:33,550 --> 00:38:31,190

Museum of the the arcade games but on

821

00:38:36,250 --> 00:38:33,560

the way of course no quick visit to Pier

822

00:38:39,310 --> 00:38:36,260

39 the very famous tourist spot where

823

00:38:40,770 --> 00:38:39,320

I'm getting lighted to say the sea lions

824

00:38:43,150 --> 00:38:40,780

are back in force

825

00:38:48,270 --> 00:38:43,160

hundreds I'm looking at hundreds of sea

826

00:38:53,770 --> 00:38:52,000

some years are as few as one or two and

827

00:38:56,770 --> 00:38:53,780

this year they seem to be back with the

828

00:39:06,070 --> 00:38:56,780

virgins and along with the tourists

829

00:39:06,080 --> 00:39:11,589

[Music]

830

00:39:17,979 --> 00:39:14,109

and here we are entering the museum

831

00:39:22,490 --> 00:39:17,989

mechanic entrance antique coin-operated

832

00:39:27,589 --> 00:39:25,849

bustling with people I've met I've never

833

00:39:29,990 --> 00:39:27,599

seen so many people in here it's quite

834

00:39:31,550 --> 00:39:30,000

incredible normally there's four five

835

00:39:32,630 --> 00:39:31,560

six seven eight nine people running

836

00:39:35,370 --> 00:39:32,640

around but this place is absolutely

837

00:39:41,700 --> 00:39:39,020

and we'll see if we can find our

838

00:39:44,680 --> 00:39:41,710

fortune-telling

839

00:39:48,170 --> 00:39:44,690

devices what's this one

840

00:39:48,180 --> 00:39:52,290

the big laughing

841

00:40:02,950 --> 00:39:58,720

robot come doll I see the first one here

842

00:40:05,859 --> 00:40:02,960

grandmother predictions but it's got a

843

00:40:11,530 --> 00:40:05,869

queue that's everything's everything's

844

00:40:11,540 --> 00:40:15,220

wizard predictions

845

00:40:15,230 --> 00:40:19,540

quarters only

846

00:40:25,270 --> 00:40:22,150

and it's a little like a Harry Potter

847

00:40:28,760 --> 00:40:25,280

wizard about two feet tall I guess with

848

00:40:28,770 --> 00:40:38,289

so get my chords out

849

00:40:38,299 --> 00:40:46,190

and 50 cents a place Oh

850

00:40:51,930 --> 00:40:48,859

Hortis go in and the magician is moving

851
00:40:55,690 --> 00:40:51,940
his head around the magic one comes up

852
00:40:59,770 --> 00:40:55,700
the hat lifts up nothing under the Hat

853
00:41:01,230 --> 00:40:59,780
he looks around that goes down caps the

854
00:41:05,920 --> 00:41:01,240
one on the table

855
00:41:09,670 --> 00:41:05,930
tap tap another tap

856
00:41:13,000 --> 00:41:09,680
their dissipation what's happening now

857
00:41:13,010 --> 00:41:15,950
you know the Terra

858
00:41:22,360 --> 00:41:18,260
and a no and a card falls out of the

859
00:41:23,950 --> 00:41:22,370
bottom of the machine here we go

860
00:41:32,040 --> 00:41:23,960
I have to go over here it's a bit more

861
00:41:40,890 --> 00:41:35,370
like they have to walk outside the venue

862
00:41:43,350 --> 00:41:40,900
on the other side goodness me I've never

863
00:41:46,200 --> 00:41:43,360

seen it so packed the Wizards

864

00:41:48,840 --> 00:41:46,210

predictions it says cultivate a sense of

865

00:41:50,580 --> 00:41:48,850

humor it's always a good idea it is

866

00:41:53,880 --> 00:41:50,590

dangerous to go through life thinking

867

00:41:56,400 --> 00:41:53,890

too much of the serious things have the

868

00:41:58,500 --> 00:41:56,410

fun you deserve don't overlook don't

869

00:42:01,380 --> 00:41:58,510

overlook opportunities that require some

870

00:42:03,600 --> 00:42:01,390

imagination and daring there may be

871

00:42:06,870 --> 00:42:03,610

certain circumstances when you should

872

00:42:12,990 --> 00:42:06,880

gamble with fate for the best results

873

00:42:14,880 --> 00:42:13,000

if you lose so what well we read on the

874

00:42:18,180 --> 00:42:14,890

experience gained could be worth far

875

00:42:20,910 --> 00:42:18,190

more than the state of indecision or no

876

00:42:24,450 --> 00:42:20,920

action at all whether married or single

877

00:42:27,410 --> 00:42:24,460

you should never neglect romance it

878

00:42:29,520 --> 00:42:27,420

should prove to be the real tonic

879

00:42:32,010 --> 00:42:29,530

stimulating your activities inspiring

880

00:42:34,800 --> 00:42:32,020

you with higher ideals and putting a

881

00:42:36,900 --> 00:42:34,810

sparkle into your personality Travel is

882

00:42:38,940 --> 00:42:36,910

not recommended oh boy I'm in trouble

883

00:42:41,250 --> 00:42:38,950

Travel is not recommended and may be

884

00:42:43,260 --> 00:42:41,260

better for you to remain with them in

885

00:42:45,900 --> 00:42:43,270

the familiar environment I am in trouble

886

00:42:47,700 --> 00:42:45,910

you'll be happier by entertaining

887

00:42:50,550 --> 00:42:47,710

relatives and friends and visiting them

888

00:42:53,670 --> 00:42:50,560

big trouble money should not be one of

889

00:42:57,810 --> 00:42:53,680

your particular problems for likely you

890

00:43:01,380 --> 00:42:57,820

have learnt to save you are lovely and I

891

00:43:03,720 --> 00:43:01,390

loved so there you go it must be true

892

00:43:12,840 --> 00:43:03,730

and it says at the bottom new musi

893

00:43:15,630 --> 00:43:12,850

mechanic San Francisco wwm USA EMCC a in

894

00:43:18,120 --> 00:43:15,640

IQ u e.com I'll link to that in the show

895

00:43:46,240 --> 00:43:18,130

notes my dive back in and play Indiana

896

00:43:46,250 --> 00:44:09,680

[Music]

897

00:44:15,570 --> 00:44:12,030

thank you for listening to the skeptic

898

00:44:19,530 --> 00:44:15,580

zone throughout 2017 and for those old

899

00:44:22,680 --> 00:44:19,540

timers since 2008 it's hard to believe

900

00:44:25,140 --> 00:44:22,690

that in a few hours it'll be 2018 and

901
00:44:27,089 --> 00:44:25,150
that means the skeptic zone would have

902
00:44:29,490 --> 00:44:27,099
been produced and heard in 11 different

903
00:44:33,240 --> 00:44:29,500
years good grief

904
00:44:36,690 --> 00:44:33,250
when I started the show I was only 12 it

905
00:44:39,150 --> 00:44:36,700
seems like it it seems like a long time

906
00:44:43,140 --> 00:44:39,160
ago the skeptic zone was kicked off but

907
00:44:46,170 --> 00:44:43,150
it goes on into 2018 I wonder what 2018

908
00:44:48,720 --> 00:44:46,180
will bring now all of this year I've

909
00:44:50,570 --> 00:44:48,730
been engaged with the help of some

910
00:44:52,829 --> 00:44:50,580
friends on a project about predictions

911
00:44:54,930 --> 00:44:52,839
collating predictions since the year

912
00:44:58,200 --> 00:44:54,940
2000 in Australia published predictions

913
00:45:00,960 --> 00:44:58,210

by psychics by psychics

914

00:45:06,630 --> 00:45:00,970

you can't see the air quotes and other

915

00:45:09,839 --> 00:45:06,640

seers I hoped to have this whole project

916

00:45:14,430 --> 00:45:09,849

brought to an end by now but it's so big

917

00:45:15,930 --> 00:45:14,440

and it takes so long to verify hundreds

918

00:45:18,960 --> 00:45:15,940

and hundreds of predictions it really

919

00:45:21,900 --> 00:45:18,970

does the stranger things down under

920

00:45:23,700 --> 00:45:21,910

group and I met once for a whole day and

921

00:45:25,950 --> 00:45:23,710

we barely scratched the surface just

922

00:45:29,280 --> 00:45:25,960

going through predictions to verify them

923

00:45:33,540 --> 00:45:29,290

check them do they come true did they

924

00:45:36,270 --> 00:45:33,550

not they wish owashi so the project has

925

00:45:39,060 --> 00:45:36,280

been extended by a whole year just to

926
00:45:41,820 --> 00:45:39,070
finish it and indeed when the project's

927
00:45:44,160 --> 00:45:41,830
finished I don't think 2018 will factor

928
00:45:46,109 --> 00:45:44,170
in at all because it's just more

929
00:45:48,180 --> 00:45:46,119
predictions to verify how we'll see

930
00:45:49,859 --> 00:45:48,190
anyway hopefully by the end of 2018

931
00:45:55,200 --> 00:45:49,869
we'll be able to bring you the results

932
00:45:57,810 --> 00:45:55,210
of that long and detailed project a big

933
00:45:59,640 --> 00:45:57,820
thank you to all my wonderful reporters

934
00:46:02,599 --> 00:45:59,650
throughout the years especially the ones

935
00:46:05,849 --> 00:46:02,609
over the last year look forward to more

936
00:46:07,920 --> 00:46:05,859
fantastic reports in 2018 and a big

937
00:46:10,020 --> 00:46:07,930
thank you to all our sponsors when I say

938
00:46:12,950 --> 00:46:10,030

sponsors I mean you the show actually

939

00:46:15,240 --> 00:46:12,960

doesn't have any sponsors all the

940

00:46:16,890 --> 00:46:15,250

commercials you hear the promotions

941

00:46:19,760 --> 00:46:16,900

they're all free I don't charge anything

942

00:46:21,950 --> 00:46:19,770

for that it's what I think

943

00:46:23,960 --> 00:46:21,960

I do that for a service a community

944

00:46:26,030 --> 00:46:23,970

service to the skeptical community for

945

00:46:28,310 --> 00:46:26,040

websites and other podcasts I think you

946

00:46:30,050 --> 00:46:28,320

should know about the true sponsorship

947

00:46:33,260 --> 00:46:30,060

comes from people like you through

948

00:46:36,500 --> 00:46:33,270

patreon and PayPal at skeptic zone TV

949

00:46:39,830 --> 00:46:36,510

and you are the only reason the show

950

00:46:41,600 --> 00:46:39,840

keeps going the people who do chip in so

951
00:46:43,910 --> 00:46:41,610
I am very grateful thank you to all

952
00:46:46,490 --> 00:46:43,920
those lovely people some four years now

953
00:46:48,800 --> 00:46:46,500
even if it's a dollar or three dollars

954
00:46:51,680 --> 00:46:48,810
or five dollars or \$20 a month

955
00:46:54,230 --> 00:46:51,690
it means the show keeps going but for

956
00:46:56,810 --> 00:46:54,240
now for the last time in 2017

957
00:47:04,670 --> 00:46:56,820
this is Richard Saunders signing off

958
00:47:06,470 --> 00:47:04,680
from the Bay Area San Francisco you've

959
00:47:10,700 --> 00:47:06,480
been listening to the skeptic zone

960
00:47:15,080 --> 00:47:10,710
podcast please visit our website at WWE

961
00:47:17,870 --> 00:47:15,090
TV for sure nerds contacts and to access

962
00:47:21,470 --> 00:47:17,880
the bat catalog of episodes going back

963
00:47:25,130 --> 00:47:21,480

to 2008 you can follow the skeptic zone

964

00:47:27,530 --> 00:47:25,140

podcast on twitter at skeptic zone visit

965

00:47:28,420 --> 00:47:27,540

our facebook page or leave a review on

966

00:47:31,100 --> 00:47:28,430

itunes

967

00:47:35,000 --> 00:47:31,110

you can also support the skeptic zone

968

00:47:37,580 --> 00:47:35,010

via patreon or paypal you can be part of

969

00:47:41,990 --> 00:47:37,590

the show by downloading the voice byte

970

00:47:45,350 --> 00:47:42,000

app at voice bite comm and using the

971

00:47:48,070 --> 00:47:45,360

hashtag skeptic zone the skeptic zone

972

00:47:50,450 --> 00:47:48,080

podcast is an independent production

973

00:47:52,610 --> 00:47:50,460

reviews and opinions expressed on the

974

00:47:54,920 --> 00:47:52,620

skeptic zone are not necessarily those

975

00:47:56,720 --> 00:47:54,930

of Australian skeptics or any other

