

Episode **556**

THE
**SKEPTIC
ZONE**
PODCAST

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The Skeptic Zone Podcast



Ross Blocher

Episode **556** - 16 June 2019

Ross Blocher
Testing a Round Earth

Susan Gerbic talks to
Thomas Westbrook
from Holy Koolaid

Magnetic Poles Conspiracy



Susan Gerbic

1
00:00:11,860 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:13,920 --> 00:00:11,870
from Australia for science and reason

3
00:00:16,900 --> 00:00:13,930
[Music]

4
00:00:22,519 --> 00:00:16,910
[Applause]

5
00:00:25,260 --> 00:00:22,529
[Music]

6
00:00:29,700 --> 00:00:25,270
yes it's the skeptic zone podcast

7
00:00:32,670 --> 00:00:29,710
episode number 556 for the 16th of June

8
00:00:34,380 --> 00:00:32,680
2019 richardsaunders here with you once

9
00:00:39,450 --> 00:00:34,390
again from the San Francisco Bay Area

10
00:00:42,930 --> 00:00:39,460
the day I arrived was a record heat day

11
00:00:44,689 --> 00:00:42,940
I think for San Francisco Airport coming

12
00:00:48,030 --> 00:00:44,699
up on this week's show are slightly

13
00:00:51,569 --> 00:00:48,040

truncated sure to show than normal due

14

00:00:53,100 --> 00:00:51,579

to my being somewhat busy preoccupied I

15

00:00:55,500 --> 00:00:53,110

guess you could say while I'm here in

16

00:00:57,180 --> 00:00:55,510

the Bay Area nevertheless I hope you

17

00:00:59,189 --> 00:00:57,190

enjoy it we're going to start with an

18

00:01:01,710 --> 00:00:59,199

interview with my old friend Ross

19

00:01:04,259 --> 00:01:01,720

Blocher from the OL Oh Ross and Carrie

20

00:01:07,140 --> 00:01:04,269

podcast of catching up with Ross from

21

00:01:08,880 --> 00:01:07,150

time to time now this time Ross is going

22

00:01:11,100 --> 00:01:08,890

to talk to us about something he was

23

00:01:13,080 --> 00:01:11,110

involved with the last year with the

24

00:01:16,170 --> 00:01:13,090

Committee for inquiry investigations

25

00:01:19,039 --> 00:01:16,180

group with Jim Underdown they went out

26

00:01:21,719 --> 00:01:19,049

to show that the world is really round

27

00:01:24,060 --> 00:01:21,729

yes well we know the world is really

28

00:01:26,789 --> 00:01:24,070

round we know it's really a globus fear

29

00:01:28,880 --> 00:01:26,799

but of course recently there's been the

30

00:01:30,959 --> 00:01:28,890

rise of the Flat Earth movement

31

00:01:33,660 --> 00:01:30,969

surprisingly enough I'm still surprised

32

00:01:35,550 --> 00:01:33,670

about that so Jim Underdown Ross blood

33

00:01:39,239 --> 00:01:35,560

sure and a group of skeptics headed out

34

00:01:42,510 --> 00:01:39,249

with prominent Flat Earth proponents to

35

00:01:46,849 --> 00:01:42,520

run some tests in the field on a lake

36

00:01:50,010 --> 00:01:46,859

the Salton Sea in California to

37

00:01:52,200 --> 00:01:50,020

demonstrate using very interesting

38

00:01:55,800 --> 00:01:52,210

scientific tests that the world really

39

00:01:57,779 --> 00:01:55,810

as a globe did they succeed and did they

40

00:02:01,169 --> 00:01:57,789

succeed in convincing the flat-earthers

41

00:02:03,870 --> 00:02:01,179

that they've been wrong three guesses

42

00:02:06,330 --> 00:02:03,880

the video which is available on YouTube

43

00:02:09,600 --> 00:02:06,340

I can highly recommend it's fascinating

44

00:02:11,490 --> 00:02:09,610

it's good fun it's interesting and I'll

45

00:02:13,470 --> 00:02:11,500

be playing some clips from that video

46

00:02:16,050 --> 00:02:13,480

during my interview with Ross Blocher

47

00:02:17,970 --> 00:02:16,060

coming up at the top of the show after

48

00:02:20,780 --> 00:02:17,980

that it's guest reporter susan gerbic

49

00:02:23,340 --> 00:02:20,790

from guerrilla skepticism on wikipedia

50

00:02:26,160 --> 00:02:23,350

susan was lucky enough to attend the

51
00:02:28,740 --> 00:02:26,170
recent skeptic owl con here in San

52
00:02:30,990 --> 00:02:28,750
Francisco I just missed out going to

53
00:02:31,830 --> 00:02:31,000
that what a pity I hope maybe next year

54
00:02:35,369 --> 00:02:31,840
I can go to that

55
00:02:37,949 --> 00:02:35,379
and Susan interviews Thomas Westbrook

56
00:02:39,990 --> 00:02:37,959
who runs a YouTube channel called holy

57
00:02:43,770 --> 00:02:40,000
kool-aid which I've seen from time to

58
00:02:46,320 --> 00:02:43,780
time where you can see explanations on

59
00:02:48,539 --> 00:02:46,330
things like hot and cold reading when it

60
00:02:51,420 --> 00:02:48,549
comes to psychics and in fact just

61
00:02:53,839 --> 00:02:51,430
recently Thomas on that channel

62
00:02:57,479 --> 00:02:53,849
interviewed susan gerbic about her

63
00:03:00,479 --> 00:02:57,489

busting of a prominent so-called medium

64

00:03:03,240 --> 00:03:00,489

i mean speaking of cold and hot reading

65

00:03:05,910 --> 00:03:03,250

things like that in psychics just as an

66

00:03:07,680 --> 00:03:05,920

aside in the last couple of weeks I

67

00:03:09,120 --> 00:03:07,690

together with Jessica singer from the

68

00:03:10,979 --> 00:03:09,130

Australian skeptics who you hear

69

00:03:13,770 --> 00:03:10,989

occasionally on the sceptic zone that

70

00:03:17,699 --> 00:03:13,780

skeptics in the pub well we attended a

71

00:03:21,839 --> 00:03:17,709

live performance of a so-called psychic

72

00:03:23,970 --> 00:03:21,849

or a medium this is something skeptics

73

00:03:26,789 --> 00:03:23,980

must do every now and then I'd I do it

74

00:03:29,100 --> 00:03:26,799

to keep my mind active and engaged in

75

00:03:30,750 --> 00:03:29,110

the topic of cold reading and psychic

76

00:03:33,270 --> 00:03:30,760

reading and all that sort of stuff and

77

00:03:35,250 --> 00:03:33,280

to see what people are up to now and

78

00:03:37,229 --> 00:03:35,260

without giving anything away because

79

00:03:40,650 --> 00:03:37,239

we're going to prepare an article for

80

00:03:43,410 --> 00:03:40,660

publication it's all I will give

81

00:03:45,509 --> 00:03:43,420

something away it's surprising how

82

00:03:47,580 --> 00:03:45,519

similar these psychic acts are after all

83

00:03:51,180 --> 00:03:47,590

the years I've been going along to see

84

00:03:53,309 --> 00:03:51,190

them is scarcely any difference between

85

00:03:56,009 --> 00:03:53,319

what I saw an almost 20 years ago

86

00:03:58,800 --> 00:03:56,019

and to certain venues and what I saw

87

00:04:02,099 --> 00:03:58,810

only a couple of weeks ago the basic

88

00:04:04,170 --> 00:04:02,109

patter for lots of these people it's

89

00:04:06,449 --> 00:04:04,180

almost like they come out of am a cookie

90

00:04:10,890 --> 00:04:06,459

cutter machine press a button and get

91

00:04:14,069 --> 00:04:10,900

the next medium is describing somebody

92

00:04:16,890 --> 00:04:14,079

vaguely as if they can sort of see them

93

00:04:20,550 --> 00:04:16,900

I'm getting a man he's oh he's not too

94

00:04:22,170 --> 00:04:20,560

tall maybe around 5 foot 5 he's got gray

95

00:04:25,290 --> 00:04:22,180

hair so I think he was quite elderly

96

00:04:29,640 --> 00:04:25,300

when he passed them something around the

97

00:04:31,830 --> 00:04:29,650

chest and who is this man Deary can can

98

00:04:33,990 --> 00:04:31,840

you do you know what I'm talking about

99

00:04:36,540 --> 00:04:34,000

can you understand this he well what's

100

00:04:39,899 --> 00:04:36,550

this about a funny sense of humor he had

101

00:04:43,830 --> 00:04:39,909

what's okay somebody will pick up on

102

00:04:47,010 --> 00:04:43,840

something oh yes my uncle yeah

103

00:04:48,900 --> 00:04:47,020

he was he had heart problems oh really

104

00:04:50,820 --> 00:04:48,910

yes he's telling me that and on and on

105

00:04:53,490 --> 00:04:50,830

it goes and then they'll move to the

106

00:04:54,750 --> 00:04:53,500

next person in the next person and it

107

00:04:57,000 --> 00:04:54,760

was quite surprising

108

00:04:58,770 --> 00:04:57,010

we're not surprising I suppose the

109

00:05:02,430 --> 00:04:58,780

audience were small but eventually the

110

00:05:06,480 --> 00:05:02,440

psychic came and gave me messages from

111

00:05:08,879 --> 00:05:06,490

my late mother hmm anyway you can read

112

00:05:11,700 --> 00:05:08,889

all about that probably in an upcoming

113

00:05:13,800 --> 00:05:11,710

issue of the skeptic the magazine from

114

00:05:15,600 --> 00:05:13,810

Australian skeptics I'm talking about

115

00:05:18,810 --> 00:05:15,610

that magazine we're gonna round off the

116

00:05:22,080 --> 00:05:18,820

show with another item from the skeptic

117

00:05:25,170 --> 00:05:22,090

this time it's sort of strangely aligned

118

00:05:27,210 --> 00:05:25,180

to the flat earthers where we have a

119

00:05:32,180 --> 00:05:27,220

story about conspiracy theories

120

00:05:37,350 --> 00:05:32,190

regarding the Earth's magnetic pole and

121

00:05:39,469 --> 00:05:37,360

anti-vaxxers the fact and it'll may sort

122

00:05:42,240 --> 00:05:39,479

of it made clear in the report

123

00:05:44,670 --> 00:05:42,250

anti-vaxxers are also heavily into

124

00:05:48,900 --> 00:05:44,680

conspiracy theories and some years ago

125

00:05:50,610 --> 00:05:48,910

around 2011 our friend Ken McLeod who

126
00:05:54,779 --> 00:05:50,620
you heard on the skeptics owned a few

127
00:05:56,879 --> 00:05:54,789
weeks ago talking about chemtrails wrote

128
00:05:59,670 --> 00:05:56,889
a story about how anti-vaxxers were

129
00:06:03,270 --> 00:05:59,680
peddling pushing another conspiracy

130
00:06:05,820 --> 00:06:03,280
theory to do with the atmosphere will

131
00:06:08,159 --> 00:06:05,830
the magnetic poles flip what could that

132
00:06:10,260 --> 00:06:08,169
mean for us find out at the end of the

133
00:06:12,510 --> 00:06:10,270
show and before we get stuck into the

134
00:06:15,719 --> 00:06:12,520
show a big shout out to somebody I'll be

135
00:06:18,089 --> 00:06:15,729
visiting soon Ben Radford in a couple of

136
00:06:21,000 --> 00:06:18,099
weeks I'll be flying to Albuquerque New

137
00:06:23,330 --> 00:06:21,010
Mexico to visit men can't wait for that

138
00:06:26,520 --> 00:06:23,340

but I have been really enjoying the

139

00:06:29,730 --> 00:06:26,530

episodes of squaring the strange in the

140

00:06:31,710 --> 00:06:29,740

podcast he co-hosts with our friend

141

00:06:33,930 --> 00:06:31,720

Celestia Ward and the other co-hosts

142

00:06:36,990 --> 00:06:33,940

Pasquale who I'd like to meet as well

143

00:06:39,900 --> 00:06:37,000

just Google squaring the strange but we

144

00:06:42,270 --> 00:06:39,910

often run promotions for that anyway in

145

00:06:45,450 --> 00:06:42,280

fact the the episode I was listening to

146

00:06:48,180 --> 00:06:45,460

just yesterday involved one of my

147

00:06:52,800 --> 00:06:48,190

favorite topics psychic detectives and

148

00:06:54,839 --> 00:06:52,810

Ben and Celestia go into detail about a

149

00:06:57,660 --> 00:06:54,849

certain case and it's absolutely

150

00:07:00,390 --> 00:06:57,670

fascinating great podcast Ben

151
00:07:03,060 --> 00:07:00,400
Podcast Celestia and Pasquale well done

152
00:07:05,130 --> 00:07:03,070
squaring the strange folks but now it's

153
00:07:06,990 --> 00:07:05,140
time for me to run upstairs and have a

154
00:07:09,750 --> 00:07:07,000
peanut butter sandwich but not just any

155
00:07:13,650 --> 00:07:09,760
peanut butter oh this is my own special

156
00:07:16,350 --> 00:07:13,660
mixture okay big jar of peanut butter

157
00:07:21,240 --> 00:07:16,360
any brand really as long as it's crunchy

158
00:07:24,270 --> 00:07:21,250
as long as it's crunchy I scoop about

159
00:07:25,530 --> 00:07:24,280
half the jar out and put that peanut

160
00:07:29,940 --> 00:07:25,540
butter in another jar

161
00:07:34,350 --> 00:07:29,950
then add a good dose of crushed chillies

162
00:07:37,520 --> 00:07:34,360
mix that up a splash of sesame oil mix

163
00:07:39,870 --> 00:07:37,530

that up then hold on to your hats a

164

00:07:42,420 --> 00:07:39,880

couple of tablespoons of maple syrup

165

00:07:46,310 --> 00:07:42,430

well maybe one tablespoon should do it

166

00:07:49,140 --> 00:07:46,320

oh my goodness oh my goodness some

167

00:07:54,840 --> 00:07:49,150

sourdough toast a little bit of butter

168

00:07:56,700 --> 00:07:54,850

spread that on top woof well I drift

169

00:07:59,460 --> 00:07:56,710

upstairs well I run upstairs quickly and

170

00:08:00,140 --> 00:07:59,470

do that I hope you enjoy the skeptics

171

00:08:20,790 --> 00:08:00,150

urn

172

00:08:23,200 --> 00:08:20,800

[Music]

173

00:08:26,170 --> 00:08:23,210

and joining me now from beautiful

174

00:08:28,900 --> 00:08:26,180

downtown Burbank it's one of the hosts

175

00:08:31,540 --> 00:08:28,910

of the podcast oh no Ross and Carrie

176

00:08:33,550 --> 00:08:31,550

Ross Blocher hello Ross hello Richard

177

00:08:35,650 --> 00:08:33,560

thanks for having me anytime Ross

178

00:08:39,130 --> 00:08:35,660

anytime now the last time I saw you in

179

00:08:41,409 --> 00:08:39,140

person was earlier this year it was in

180

00:08:43,750 --> 00:08:41,419

Portland Oregon where you and Carrie

181

00:08:45,670 --> 00:08:43,760

were doing a live performance yes you

182

00:08:47,260 --> 00:08:45,680

were there with Brian Dunning it's great

183

00:08:49,840 --> 00:08:47,270

to see ya yeah we had a wonderful time

184

00:08:52,330 --> 00:08:49,850

and the audience loved it and after that

185

00:08:54,640 --> 00:08:52,340

I interviewed you in oh it was very cold

186

00:08:57,460 --> 00:08:54,650

and we jumped into Brian Dunning's car

187

00:08:59,380 --> 00:08:57,470

and that's where I did the interview and

188

00:09:03,370 --> 00:08:59,390

I understand you've recently been

189

00:09:06,370 --> 00:09:03,380

touring Texas yeah we ended up doing 10

190

00:09:08,620 --> 00:09:06,380

shows on our live tour we'd promised at

191

00:09:11,890 --> 00:09:08,630

least three so we we met that promise

192

00:09:15,370 --> 00:09:11,900

and yeah we just finished off in Dallas

193

00:09:17,170 --> 00:09:15,380

and Austin talking about some fun we had

194

00:09:20,470 --> 00:09:17,180

at an exorcism conference

195

00:09:22,240 --> 00:09:20,480

I can't wait can't wait hey you guys

196

00:09:24,430 --> 00:09:22,250

have so much fun I know it's a lot of

197

00:09:26,560 --> 00:09:24,440

hard work but you guys have so much fun

198

00:09:28,180 --> 00:09:26,570

- we do makes it makes it worth it now

199

00:09:31,660 --> 00:09:28,190

the reason we're having a chat today is

200

00:09:34,120 --> 00:09:31,670

that I really enjoyed a video you were

201
00:09:36,910 --> 00:09:34,130
recently a part of and yes the link will

202
00:09:40,660 --> 00:09:36,920
be in this week's show notes folks from

203
00:09:43,900 --> 00:09:40,670
the CFI investigation group filmed in

204
00:09:47,440 --> 00:09:43,910
June last year with Jim Underdown and

205
00:09:50,470 --> 00:09:47,450
yourself and some skeptics I recognized

206
00:09:52,030 --> 00:09:50,480
your set-off to try to show to a bunch

207
00:09:56,560 --> 00:09:52,040
of flat-earthers

208
00:09:58,510 --> 00:09:56,570
that the world really is round yeah and

209
00:10:01,030 --> 00:09:58,520
I'll just play the introduction to that

210
00:10:03,790 --> 00:10:01,040
video now but the growing online

211
00:10:06,610 --> 00:10:03,800
community convinced that the earth is

212
00:10:09,160 --> 00:10:06,620
not a sphere we invited a group of

213
00:10:12,760 --> 00:10:09,170

flat-earthers to join us as we put the

214

00:10:16,120 --> 00:10:12,770

curvature of the earth to the test

215

00:10:20,680 --> 00:10:16,130

we're on our way to the Salton Sea to

216

00:10:23,770 --> 00:10:20,690

not prove but reconfirm that the earth

217

00:10:24,290 --> 00:10:23,780

is a globe and that a disk this better

218

00:10:25,590 --> 00:10:24,300

work

219

00:10:28,390 --> 00:10:25,600

[Music]

220

00:10:30,430 --> 00:10:28,400

so off you all said I believe you got up

221

00:10:31,420 --> 00:10:30,440

very early in the morning please tell us

222

00:10:34,150 --> 00:10:31,430

about the day

223

00:10:37,240 --> 00:10:34,160

well we planned for this long in advance

224

00:10:41,880 --> 00:10:37,250

and it's something that kept ballooning

225

00:10:45,280 --> 00:10:41,890

in size originally I had reached out to

226

00:10:50,050 --> 00:10:45,290

small group a meetup group based out of

227

00:10:53,290 --> 00:10:50,060

Santa Monica that was a meeting place

228

00:10:55,120 --> 00:10:53,300

for flat earthers and Kerri and I for

229

00:10:56,980 --> 00:10:55,130

our podcast we had gone to a couple of

230

00:10:59,200 --> 00:10:56,990

their meetings walked the beach with

231

00:11:02,350 --> 00:10:59,210

them and just talked about some of the

232

00:11:04,630 --> 00:11:02,360

conversations we'd had and during those

233

00:11:08,230 --> 00:11:04,640

conversations it had been brought up

234

00:11:09,610 --> 00:11:08,240

that one of the consistent refrains of

235

00:11:12,940 --> 00:11:09,620

the Flat Earth movement is that water

236

00:11:15,100 --> 00:11:12,950

cannot hold a curve and the idea that

237

00:11:18,160 --> 00:11:15,110

you can have this long stretch of water

238

00:11:21,040 --> 00:11:18,170

and have water sort of bending along

239

00:11:24,970 --> 00:11:21,050

with the curvature of the earth just

240

00:11:29,200 --> 00:11:24,980

strikes the flat earthers as improbable

241

00:11:31,990 --> 00:11:29,210

impossible even laughable hmm and so we

242

00:11:35,200 --> 00:11:32,000

thought well what better way to test

243

00:11:37,180 --> 00:11:35,210

this than to find a really big lake so

244

00:11:39,940 --> 00:11:37,190

big that you can stand on either side of

245

00:11:42,820 --> 00:11:39,950

it but have enough distance in this case

246

00:11:44,590 --> 00:11:42,830

over nine miles between one side and the

247

00:11:47,970 --> 00:11:44,600

other that you have a measurable

248

00:11:50,820 --> 00:11:47,980

curvature and we use the meta bunk

249

00:11:54,400 --> 00:11:50,830

curvature calculator to estimate that

250

00:11:57,370 --> 00:11:54,410

you know at a viewing height of about

251
00:11:59,500 --> 00:11:57,380
four feet as I recall I think it was

252
00:12:01,090 --> 00:11:59,510
nine point seven miles across I could

253
00:12:04,360 --> 00:12:01,100
verify this or I could just work with my

254
00:12:07,900 --> 00:12:04,370
memory I'm going with my memory an

255
00:12:09,850 --> 00:12:07,910
object on the other side of about 35

256
00:12:13,000 --> 00:12:09,860
feet of height would be obscured by the

257
00:12:15,130 --> 00:12:13,010
water that curve that supposedly does

258
00:12:17,230 --> 00:12:15,140
not exist right so that was the premise

259
00:12:20,080 --> 00:12:17,240
and we were trying to be I think very

260
00:12:23,020 --> 00:12:20,090
sympathetic to their claims and design a

261
00:12:26,620 --> 00:12:23,030
test as the iig always tries to do or I

262
00:12:29,350 --> 00:12:26,630
should say the the CFI IG

263
00:12:31,720 --> 00:12:29,360

as it's now called always tries to

264

00:12:36,009 --> 00:12:31,730

design a test that both sides can agree

265

00:12:38,499 --> 00:12:36,019

to as a fair test and yes so we we drove

266

00:12:42,269 --> 00:12:38,509

out it's a long drive to the Salton Sea

267

00:12:44,710 --> 00:12:42,279

and we got there the night previous and

268

00:12:47,829 --> 00:12:44,720

along the way as we were planning for

269

00:12:50,650 --> 00:12:47,839

this it was determined that mark Sargent

270

00:12:52,840 --> 00:12:50,660

could be involved and for anyone who's

271

00:12:56,470 --> 00:12:52,850

not familiar with him mark Sargent is

272

00:12:58,629 --> 00:12:56,480

kind of the originator of the modern

273

00:13:01,120 --> 00:12:58,639

flat earth movement there were other

274

00:13:02,829 --> 00:13:01,130

people talking about it before him but

275

00:13:05,110 --> 00:13:02,839

he released this series of YouTube

276

00:13:07,960 --> 00:13:05,120

videos called Flat Earth Clues that

277

00:13:12,579 --> 00:13:07,970

really got the movement going in the

278

00:13:14,079 --> 00:13:12,589

last you know three four years and so he

279

00:13:16,240 --> 00:13:14,089

was gonna be there and National

280

00:13:18,189 --> 00:13:16,250

Geographic was already working on a

281

00:13:19,900 --> 00:13:18,199

piece about him and so they wanted to

282

00:13:20,949 --> 00:13:19,910

get involved with this and all of a

283

00:13:25,569 --> 00:13:20,959

sudden this became a far more

284

00:13:28,090 --> 00:13:25,579

interesting test it it is amazing to me

285

00:13:30,129 --> 00:13:28,100

that someone like Malik Sargent went out

286

00:13:31,720 --> 00:13:30,139

with you guys again when I watched the

287

00:13:33,639 --> 00:13:31,730

video I was a little bit gobsmacked by

288

00:13:35,110 --> 00:13:33,649

it and I know there were two tests

289

00:13:38,470 --> 00:13:35,120

basically on the day the first one

290

00:13:42,069 --> 00:13:38,480

involved a balloon you know just play a

291

00:13:45,189 --> 00:13:42,079

little clip of that right now the idea

292

00:13:47,710 --> 00:13:45,199

is that if the earth is curved as you

293

00:13:50,530 --> 00:13:47,720

know scientists tell us across a span of

294

00:13:54,610 --> 00:13:50,540

nine point six one miles we should be

295

00:13:56,829 --> 00:13:54,620

able to predict that an object about 34

296

00:13:59,710 --> 00:13:56,839

feet tall would be completely hidden

297

00:14:02,050 --> 00:13:59,720

under the horizon under the curvature

298

00:14:03,610 --> 00:14:02,060

but if the earth is flat you should be

299

00:14:05,650 --> 00:14:03,620

able to see it right away so that's

300

00:14:07,870 --> 00:14:05,660

gonna give us room to test whether the

301
00:14:10,150 --> 00:14:07,880
earth is curved or flat so that was test

302
00:14:13,569 --> 00:14:10,160
number one that was test number one and

303
00:14:15,220 --> 00:14:13,579
the balloon rose and basically you were

304
00:14:18,040 --> 00:14:15,230
trying to determine how high it would

305
00:14:20,379 --> 00:14:18,050
have to be at a distance of and I did a

306
00:14:22,329 --> 00:14:20,389
little bit of calculations here roughly

307
00:14:26,019 --> 00:14:22,339
10 miles what we can round it up which

308
00:14:28,809 --> 00:14:26,029
is roughly 16 kilometers right and yeah

309
00:14:30,759 --> 00:14:28,819
it turns out it's hard to do any of this

310
00:14:34,139 --> 00:14:30,769
it's hard to demonstrate the curvature

311
00:14:36,819 --> 00:14:34,149
of the earth to anyone satisfaction and

312
00:14:39,500 --> 00:14:36,829
and so we had hooked up these giant

313
00:14:42,140 --> 00:14:39,510

balloons weather balloons

314

00:14:45,140 --> 00:14:42,150

and and there were no UFO sightings that

315

00:14:48,260 --> 00:14:45,150

day so at least we kept the ark we kept

316

00:14:50,150 --> 00:14:48,270

our claims to a minimum here but we we

317

00:14:52,040 --> 00:14:50,160

filled them up with helium so Jim

318

00:14:55,010 --> 00:14:52,050

Underdown had gotten a big tank of

319

00:14:57,770 --> 00:14:55,020

helium to fill these and then attach to

320

00:15:00,860 --> 00:14:57,780

those there was this structure that had

321

00:15:03,920 --> 00:15:00,870

a semi-rigid connection between the two

322

00:15:06,290 --> 00:15:03,930

balloons and it was trailing this bright

323

00:15:07,880 --> 00:15:06,300

reflective kind of foil-like material

324

00:15:10,730 --> 00:15:07,890

and that was something that would

325

00:15:12,140 --> 00:15:10,740

hopefully be an easily spot able target

326

00:15:14,150 --> 00:15:12,150

from the other side because it would

327

00:15:17,240 --> 00:15:14,160

catch the light and reflect it back and

328

00:15:19,640 --> 00:15:17,250

so there were many birthing pains and

329

00:15:22,190 --> 00:15:19,650

getting this thing up into the air and

330

00:15:24,290 --> 00:15:22,200

we we started the test later than

331

00:15:27,170 --> 00:15:24,300

desired we were kind of hoping to do it

332

00:15:29,060 --> 00:15:27,180

right as day broke but by the time it

333

00:15:30,800 --> 00:15:29,070

was up he was already starting to build

334

00:15:34,940 --> 00:15:30,810

up on the lake and you had a little bit

335

00:15:36,140 --> 00:15:34,950

of distortion happening yes and so some

336

00:15:38,690 --> 00:15:36,150

of the flat earthers were complaining

337

00:15:39,890 --> 00:15:38,700

bitterly about that many of them came up

338

00:15:43,070 --> 00:15:39,900

to me and said this is the worst

339

00:15:45,470 --> 00:15:43,080

possible place to conduct a test and I

340

00:15:48,050 --> 00:15:45,480

think it's kind of funny that they've

341

00:15:51,320 --> 00:15:48,060

gone back so many times subsequently at

342

00:15:54,890 --> 00:15:51,330

least three to my counting to this exact

343

00:15:57,230 --> 00:15:54,900

same location but yeah so the then we

344

00:15:58,760 --> 00:15:57,240

were trying just to establish a visual

345

00:16:00,770 --> 00:15:58,770

connection between the two sides and

346

00:16:03,560 --> 00:16:00,780

we're on cellphones talking to each

347

00:16:06,170 --> 00:16:03,570

other and because we're having a hard

348

00:16:07,520 --> 00:16:06,180

time spotting the balloon at all you

349

00:16:10,670 --> 00:16:07,530

know as we were lifting it up in the air

350

00:16:12,440 --> 00:16:10,680

and it was tethered to rope people went

351
00:16:14,480 --> 00:16:12,450
up on an embankment so they could see

352
00:16:17,540 --> 00:16:14,490
from a higher vantage point and then we

353
00:16:19,790 --> 00:16:17,550
finally made visual contact and at least

354
00:16:22,880 --> 00:16:19,800
knew exactly where to point all of our

355
00:16:24,500 --> 00:16:22,890
cameras and binoculars and at that point

356
00:16:26,180 --> 00:16:24,510
then the flat earther started saying

357
00:16:28,430 --> 00:16:26,190
well look see we're seeing it and it's

358
00:16:29,720 --> 00:16:28,440
near the ground but they were ignoring

359
00:16:32,120 --> 00:16:29,730
the fact that they were up on an

360
00:16:34,010 --> 00:16:32,130
embankment and on the other side the

361
00:16:35,810 --> 00:16:34,020
balloons were up on an embankment so we

362
00:16:39,320 --> 00:16:35,820
were no longer dealing with the numbers

363
00:16:41,330 --> 00:16:39,330

at Shoreline so that's where confusion

364

00:16:43,820 --> 00:16:41,340

began and continued well I think it's

365

00:16:45,830 --> 00:16:43,830

it's a very good indication that and

366

00:16:47,540 --> 00:16:45,840

you're absolutely right and I've come

367

00:16:49,340 --> 00:16:47,550

across this myself when I've conducted

368

00:16:52,130 --> 00:16:49,350

for example million-dollar challenges

369

00:16:54,680 --> 00:16:52,140

for the or helped anyway for the

370

00:16:57,860 --> 00:16:54,690

James Randi Educational Foundation it is

371

00:16:59,630 --> 00:16:57,870

hard to do a good test to satisfy

372

00:17:01,730 --> 00:16:59,640

everybody and ultimately I guess it's

373

00:17:03,980 --> 00:17:01,740

almost impossible to do a good test to

374

00:17:07,130 --> 00:17:03,990

satisfy everybody certainly when you

375

00:17:11,569 --> 00:17:07,140

have commitments to previously held

376

00:17:13,790 --> 00:17:11,579

ideas that's for sure but having I had

377

00:17:17,150 --> 00:17:13,800

purchased a camera specifically for

378

00:17:19,190 --> 00:17:17,160

these tests the Nikon P 900 this is one

379

00:17:21,470 --> 00:17:19,200

that is revered amongst flat-earthers

380

00:17:24,380 --> 00:17:21,480

there are new ma newer models now but

381

00:17:28,430 --> 00:17:24,390

it's an 83 X zoom camera it is truly

382

00:17:30,020 --> 00:17:28,440

impressive in its zoom and so they there

383

00:17:32,240 --> 00:17:30,030

are many videos online where they claim

384

00:17:34,160 --> 00:17:32,250

that it can recapture things that have

385

00:17:37,010 --> 00:17:34,170

been lost beyond the curve you know a

386

00:17:38,870 --> 00:17:37,020

boat can go over the horizon and you can

387

00:17:43,100 --> 00:17:38,880

pick it back up with this camera which

388

00:17:45,050 --> 00:17:43,110

is absurd on the face of it but I had

389

00:17:47,180 --> 00:17:45,060

bought this and we had it set at 4 feet

390

00:17:49,550 --> 00:17:47,190

above the water and I can say from that

391

00:17:52,180 --> 00:17:49,560

perspective that we never saw those

392

00:17:55,190 --> 00:17:52,190

balloons or the attached foil material

393

00:17:57,860 --> 00:17:55,200

below where one would expect to see them

394

00:17:59,390 --> 00:17:57,870

so as far as I'm concerned all the

395

00:18:02,900 --> 00:17:59,400

results were fully consistent with

396

00:18:05,000 --> 00:18:02,910

around earth but those kind of heat

397

00:18:08,330 --> 00:18:05,010

waves that were appearing in the footage

398

00:18:10,910 --> 00:18:08,340

made for a lot of consternation and you

399

00:18:15,020 --> 00:18:10,920

know nature isn't always as clean-cut as

400

00:18:17,810 --> 00:18:15,030

we'd like it it did and folks again I'll

401

00:18:20,420 --> 00:18:17,820

play a short clip from the video with

402

00:18:22,340 --> 00:18:20,430

mark Sargent bringing up some concerns

403

00:18:26,810 --> 00:18:22,350

and excuses the results were exactly

404

00:18:28,900 --> 00:18:26,820

what I expected the loss of observation

405

00:18:31,640 --> 00:18:28,910

height was due to fata morgana

406

00:18:33,920 --> 00:18:31,650

refraction atmosphere cleansing I've

407

00:18:36,500 --> 00:18:33,930

seen that so many times that when

408

00:18:37,910 --> 00:18:36,510

someone is presented with massive

409

00:18:40,490 --> 00:18:37,920

evidence right in front of their face

410

00:18:43,010 --> 00:18:40,500

they still find wiggle room to somehow

411

00:18:45,140 --> 00:18:43,020

get around and land at their original

412

00:18:46,760 --> 00:18:45,150

belief so that was interesting and sort

413

00:18:48,500 --> 00:18:46,770

of not unexpected he would say things

414

00:18:51,800 --> 00:18:48,510

like that there was a further experiment

415

00:18:54,920 --> 00:18:51,810

on a boat yes we're a little inflatable

416

00:18:58,190 --> 00:18:54,930

I think and sort of like a flag a big

417

00:19:00,620 --> 00:18:58,200

banner a board with stripes and the idea

418

00:19:02,810 --> 00:19:00,630

was the further the boat went away the

419

00:19:04,940 --> 00:19:02,820

more of the stripes would start to sink

420

00:19:06,289 --> 00:19:04,950

below the the horizon the curvature of

421

00:19:08,539 --> 00:19:06,299

the earth Nolet

422

00:19:10,039 --> 00:19:08,549

listeners go to youtube and see that one

423

00:19:12,469 --> 00:19:10,049

for themselves but what really

424

00:19:13,789 --> 00:19:12,479

interested me yeah well the whole thing

425

00:19:15,849 --> 00:19:13,799

was interesting but what particularly

426
00:19:20,089 --> 00:19:15,859
caught my attention was towards the end

427
00:19:21,379 --> 00:19:20,099
where there was just random thoughts and

428
00:19:22,789 --> 00:19:21,389
opinions from some of the flat-earthers

429
00:19:29,629 --> 00:19:22,799
who were there and I'll just play a

430
00:19:37,219 --> 00:19:29,639
short clip now we have more technology

431
00:19:39,469 --> 00:19:37,229
in the world that's amazing

432
00:19:41,389 --> 00:19:39,479
who would be the powers to be it's the

433
00:19:42,949 --> 00:19:41,399
bloodlines dude bro bloodlines are in

434
00:19:44,119 --> 00:19:42,959
control I'm not saying the president of

435
00:19:46,699 --> 00:19:44,129
United States we're talking probably

436
00:19:48,799 --> 00:19:46,709
levels of magnitude above him its

437
00:19:49,310 --> 00:19:48,809
population control chemtrails you know

438
00:19:51,769 --> 00:19:49,320

about chemtrails

439

00:19:55,159 --> 00:19:51,779

are you heard about them there's so many

440

00:19:59,180 --> 00:19:55,169

wacky ideas surrounding Flat Earth

441

00:20:04,190 --> 00:19:59,190

belief that it's just hard to tell how

442

00:20:08,089 --> 00:20:04,200

they ended up in these spots yeah so

443

00:20:10,819 --> 00:20:08,099

Russ hearing those people something

444

00:20:12,560 --> 00:20:10,829

that's does I've always sort of found to

445

00:20:14,089 --> 00:20:12,570

be true is that if you sort of believe

446

00:20:16,369 --> 00:20:14,099

in one big conspiracy

447

00:20:18,289 --> 00:20:16,379

you sort of have to almost believe in

448

00:20:19,819 --> 00:20:18,299

many big conspiracies it's like the

449

00:20:22,609 --> 00:20:19,829

anti-vaxxers a lot of those people

450

00:20:23,979 --> 00:20:22,619

believe in chemtrails and Global one

451
00:20:26,599 --> 00:20:23,989
world governments and things like that

452
00:20:30,109 --> 00:20:26,609
yeah these these go together they come

453
00:20:32,569 --> 00:20:30,119
in packs and well I think one of the

454
00:20:35,299 --> 00:20:32,579
underlying assumptions that feel that

455
00:20:37,699 --> 00:20:35,309
fuels all of these ideas is that we're

456
00:20:40,039 --> 00:20:37,709
all being lied to and that there is this

457
00:20:43,459 --> 00:20:40,049
you know shadow government or cabal or

458
00:20:45,469 --> 00:20:43,469
you know a group of you know smoking men

459
00:20:47,869 --> 00:20:45,479
that are controlling all of our fates

460
00:20:51,319 --> 00:20:47,879
and and thus we're being systematically

461
00:20:53,180 --> 00:20:51,329
lied to on so many levels and when you

462
00:20:55,549 --> 00:20:53,190
have that as a premise there's really

463
00:20:58,669 --> 00:20:55,559

nothing you can offer as counter

464

00:21:00,829 --> 00:20:58,679

evidence because it's all faked it's all

465

00:21:03,049 --> 00:21:00,839

it's all lies it's all people being

466

00:21:05,959 --> 00:21:03,059

bought off and all we can do is just

467

00:21:11,269 --> 00:21:05,969

wonder where our checks are I wonder

468

00:21:13,729 --> 00:21:11,279

where my check is I can tell you it is a

469

00:21:16,069 --> 00:21:13,739

great video on many levels one it's it's

470

00:21:18,200 --> 00:21:16,079

fun it's interesting and fun too it

471

00:21:19,000 --> 00:21:18,210

shows that skeptics are willing to go

472

00:21:22,840 --> 00:21:19,010

out and tear

473

00:21:26,289 --> 00:21:22,850

and do things in the field as opposed to

474

00:21:28,150 --> 00:21:26,299

the common belief that skeptics sit at

475

00:21:30,310 --> 00:21:28,160

home in their armchairs smoke a pipe or

476

00:21:31,180 --> 00:21:30,320

two if they do and say it's rubbish I

477

00:21:33,159 --> 00:21:31,190

won't believe it

478

00:21:35,380 --> 00:21:33,169

you know skeptics are willing to go out

479

00:21:39,789 --> 00:21:35,390

there and try something and it also

480

00:21:41,799 --> 00:21:39,799

shows blatantly clearly that when you

481

00:21:45,810 --> 00:21:41,809

meet these conspiracy theorists with

482

00:21:48,760 --> 00:21:45,820

their mindset that even direct evidence

483

00:21:51,640 --> 00:21:48,770

blindingly simple direct easy evidence

484

00:21:53,350 --> 00:21:51,650

is meaningless to them yeah I mean I do

485

00:21:55,390 --> 00:21:53,360

want to give them credit for also

486

00:21:57,250 --> 00:21:55,400

showing up I think we yes of course a

487

00:21:58,630 --> 00:21:57,260

big move on their part and they showed

488

00:22:00,250 --> 00:21:58,640

up in big numbers and they got very

489

00:22:05,100 --> 00:22:00,260

excited about this and they've gone back

490

00:22:08,200 --> 00:22:05,110

since we had a very fun follow up where

491

00:22:09,480 --> 00:22:08,210

later that same month we went back at

492

00:22:13,060 --> 00:22:09,490

night and we tried some laser

493

00:22:17,770 --> 00:22:13,070

experiments and what we had this moment

494

00:22:18,430 --> 00:22:17,780

where from one side of the lake the

495

00:22:21,460 --> 00:22:18,440

Salton Sea

496

00:22:24,789 --> 00:22:21,470

you could crouch and the water would

497

00:22:28,450 --> 00:22:24,799

obscure and clearly clearly hide lights

498

00:22:30,430 --> 00:22:28,460

on the other side of the Salton Sea and

499

00:22:33,070 --> 00:22:30,440

then when you stood up you could see

500

00:22:34,900 --> 00:22:33,080

those lights and we did this repeatedly

501
00:22:37,000 --> 00:22:34,910
and there were people amongst the

502
00:22:39,400 --> 00:22:37,010
flat-earthers there who refused to do

503
00:22:42,580 --> 00:22:39,410
that they refused to even crouch because

504
00:22:44,289 --> 00:22:42,590
they were so upset at this really easy

505
00:22:45,820 --> 00:22:44,299
demonstration of the Earth's curvature

506
00:22:48,700 --> 00:22:45,830
Wow

507
00:22:50,740 --> 00:22:48,710
it was such an open-and-shut case but

508
00:22:52,690 --> 00:22:50,750
but as you see in the video oftentimes

509
00:22:55,330 --> 00:22:52,700
these discussions will quick quickly

510
00:22:57,970 --> 00:22:55,340
break down into bigger talking points

511
00:23:00,460 --> 00:22:57,980
about you know levels above Trump and

512
00:23:02,830 --> 00:23:00,470
all these other things yeah yeah well

513
00:23:04,270 --> 00:23:02,840

Russ I wish I was there maybe I can do

514

00:23:05,950 --> 00:23:04,280

something similar in Australia there

515

00:23:09,400 --> 00:23:05,960

would be a lot of fun it's a fascinating

516

00:23:11,200 --> 00:23:09,410

a journey into human psychology apart

517

00:23:13,210 --> 00:23:11,210

from anything else well congratulations

518

00:23:15,460 --> 00:23:13,220

on the continuing sense of owner Ross

519

00:23:17,620 --> 00:23:15,470

and Carrie please give my personal

520

00:23:19,600 --> 00:23:17,630

regards to Carrie next time you see her

521

00:23:22,480 --> 00:23:19,610

and folks I will link to the OL no Ross

522

00:23:25,419 --> 00:23:22,490

and Carrie podcast again in this week's

523

00:23:27,100 --> 00:23:25,429

show notes but for now from around the

524

00:23:28,539 --> 00:23:27,110

curvature of the earth so I can't see

525

00:23:29,240 --> 00:23:28,549

you but for now from beautiful downtown

526
00:23:32,600 --> 00:23:29,250
Burbank

527
00:23:47,899 --> 00:23:32,610
Ross Blodgett thank you very much thank

528
00:23:49,909 --> 00:23:47,909
you so much hello listeners a maximum

529
00:23:51,890 --> 00:23:49,919
fun I want to tell you about our newest

530
00:23:53,659 --> 00:23:51,900
podcast that tells you all about the

531
00:23:55,250 --> 00:23:53,669
truth of the Flat Earth have you been

532
00:23:57,020 --> 00:23:55,260
looking out over the horizon and you've

533
00:23:59,390 --> 00:23:57,030
been thinking wait a minute this doesn't

534
00:24:02,720 --> 00:23:59,400
look round I've been lied to my whole

535
00:24:07,070 --> 00:24:02,730
life what is NASA doing with 52 million

536
00:24:10,580 --> 00:24:07,080
dollars a day come on we explode the

537
00:24:12,770 --> 00:24:10,590
myths just kidding we're oh no Ross and

538
00:24:15,230 --> 00:24:12,780

Carrie and we investigate extraordinary

539

00:24:17,480 --> 00:24:15,240

claims that's right we investigating

540

00:24:19,279 --> 00:24:17,490

extraordinary claims firsthand we go

541

00:24:21,770 --> 00:24:19,289

undercover in fringe groups we get

542

00:24:23,659 --> 00:24:21,780

alternative medicine treatments and we

543

00:24:26,029 --> 00:24:23,669

hang out with people who have unusual

544

00:24:28,190 --> 00:24:26,039

beliefs like flat earthers 9/11 truthers

545

00:24:30,320 --> 00:24:28,200

we do ghost investigations we've joined

546

00:24:32,330 --> 00:24:30,330

Scientology and we got baptized in the

547

00:24:36,500 --> 00:24:32,340

Mormon Church if it goes bump in the

548

00:24:38,120 --> 00:24:36,510

night then so do we hmm why don't you

549

00:24:42,530 --> 00:24:38,130

check out oh no Ross and Carrie and

550

00:24:42,540 --> 00:24:57,000

[Music]

551

00:25:05,470 --> 00:25:00,310

hello everyone I'm here at skeptic pal

552

00:25:07,510 --> 00:25:05,480

in San Bruno area of California and I've

553

00:25:10,270 --> 00:25:07,520

run into a friend of mine who's from

554

00:25:14,200 --> 00:25:10,280

Texas is a very popular youtuber he has

555

00:25:17,320 --> 00:25:14,210

done a wonderful video about the Thomas

556

00:25:20,919 --> 00:25:17,330

John saga if you want to find that on

557

00:25:23,830 --> 00:25:20,929

his YouTube site holy kool-aid hey nice

558

00:25:26,460 --> 00:25:23,840

to be here so it's great so you this

559

00:25:29,350 --> 00:25:26,470

your first skeptic al what do you think

560

00:25:31,860 --> 00:25:29,360

it's been fun I've really enjoyed it I

561

00:25:35,409 --> 00:25:31,870

knew a few people here from psych on

562

00:25:36,940 --> 00:25:35,419

yourself included but you know it's

563

00:25:39,039 --> 00:25:36,950

always good to run into people see

564

00:25:40,510 --> 00:25:39,049

familiar faces meet new people connect

565

00:25:42,669 --> 00:25:40,520

rub shoulders and spread a love of

566

00:25:44,049 --> 00:25:42,679

science and skepticism so can you tell

567

00:25:46,930 --> 00:25:44,059

us a little bit about yourself in your

568

00:25:48,520 --> 00:25:46,940

website your YouTube channel yeah so my

569

00:25:49,750 --> 00:25:48,530

name is thomas westbrook i have a

570

00:25:51,430 --> 00:25:49,760

youtube channel called holy kool-aid

571

00:25:53,470 --> 00:25:51,440

where i make animated videos talking

572

00:25:55,539 --> 00:25:53,480

about science promoting skepticism and

573

00:25:57,250 --> 00:25:55,549

critical thinking and basically i take a

574

00:25:59,799 --> 00:25:57,260

complex topic and i try to break it down

575

00:26:02,140 --> 00:25:59,809

in the laser-focus way so I might take a

576
00:26:04,570 --> 00:26:02,150
topic like psychics whether they're real

577
00:26:06,310 --> 00:26:04,580
or raw whether there's anything to it or

578
00:26:08,409 --> 00:26:06,320
not and I'll break down how can we know

579
00:26:10,539 --> 00:26:08,419
how can we you know figure out if this

580
00:26:12,250 --> 00:26:10,549
is true how has it been tested in the

581
00:26:14,020 --> 00:26:12,260
past has it been debunked in the past

582
00:26:14,950 --> 00:26:14,030
what would it take for them to prove

583
00:26:16,960 --> 00:26:14,960
that it's right and then I go through

584
00:26:20,169 --> 00:26:16,970
the different methods that they use like

585
00:26:21,820 --> 00:26:20,179
hot reading cold reading and I explore

586
00:26:23,919 --> 00:26:21,830
explain and explore like how these

587
00:26:25,750 --> 00:26:23,929
things are done so that people can

588
00:26:27,789 --> 00:26:25,760

inoculate themselves against falling

589

00:26:29,710 --> 00:26:27,799

prey to a lot of the charlatans and I

590

00:26:31,840 --> 00:26:29,720

also cover the flat earth movement I

591

00:26:33,880 --> 00:26:31,850

cover faith healers I cover all kinds of

592

00:26:36,159 --> 00:26:33,890

different topics I have a serious called

593

00:26:37,720 --> 00:26:36,169

the story of life and I explore you know

594

00:26:39,789 --> 00:26:37,730

how did life get here what do we know

595

00:26:42,970 --> 00:26:39,799

what have we replicated so far in terms

596

00:26:45,820 --> 00:26:42,980

of abiogenesis experiments looking at

597

00:26:47,409 --> 00:26:45,830

chemistry and how life can come from

598

00:26:49,960 --> 00:26:47,419

non-life there's so many different

599

00:26:51,760 --> 00:26:49,970

topics but I just I love science I want

600

00:26:54,460 --> 00:26:51,770

to know how the world works and

601
00:26:55,990 --> 00:26:54,470
I'm just intrinsically extremely curious

602
00:26:58,090 --> 00:26:56,000
and I want to spread that love of

603
00:27:01,030 --> 00:26:58,100
science and knowledge and learning and

604
00:27:02,980 --> 00:27:01,040
critical thinking I would have to tell

605
00:27:05,590 --> 00:27:02,990
everybody that I totally agree with that

606
00:27:06,340 --> 00:27:05,600
can you give us the name of your YouTube

607
00:27:09,280 --> 00:27:06,350
channel

608
00:27:09,730 --> 00:27:09,290
holy kool-aid and how would you spell

609
00:27:14,650 --> 00:27:09,740
that

610
00:27:16,630 --> 00:27:14,660
hol Y k oo la ID thank you so much

611
00:27:31,810 --> 00:27:16,640
Thomas

612
00:27:35,720 --> 00:27:33,860
vatos gem Apple

613
00:27:38,510 --> 00:27:35,730

Elizabeth faith year six atrás de

614

00:27:40,370 --> 00:27:38,520

podcast method a shot de Foix pamaj

615

00:27:42,700 --> 00:27:40,380

Papa's video Villeneuve elevator

616

00:27:46,550 --> 00:27:42,710

Explorer 11 available a metacognition

617

00:27:48,490 --> 00:27:46,560

pop Kwang Johnson skin Afonso physio

618

00:27:51,260 --> 00:27:48,500

disease emissions from [h__h] crayon only

619

00:27:53,380 --> 00:27:51,270

Moderne order demon hunter holliman ogle

620

00:27:55,790 --> 00:27:53,390

a whisker je chante avec Jessica

621

00:27:58,820 --> 00:27:55,800

sub-option Google universe Java new

622

00:28:02,900 --> 00:27:58,830

septic groovy new solution YouTube the

623

00:28:04,040 --> 00:28:02,910

method of shock and they will see ash

624

00:28:08,540 --> 00:28:04,050

oopsie

625

00:28:10,910 --> 00:28:08,550

a bientot method of shot hello everyone

626

00:28:13,220 --> 00:28:10,920

I'm Elizabeth fake the creator of the

627

00:28:16,280 --> 00:28:13,230

french-speaking method of shock podcast

628

00:28:18,710 --> 00:28:16,290

twice a month I host a new guest to

629

00:28:22,190 --> 00:28:18,720

explore the field of meta cognition why

630

00:28:24,290 --> 00:28:22,200

we think the way we think some shows are

631

00:28:26,260 --> 00:28:24,300

subtitled in English and actually the

632

00:28:29,030 --> 00:28:26,270

latest one is all in English an

633

00:28:32,290 --> 00:28:29,040

exclusive conversation with Jessica Cobb

634

00:28:35,360 --> 00:28:32,300

an ex New Age guru who turned skeptic

635

00:28:42,070 --> 00:28:35,370

join us on the method of Jacque YouTube

636

00:28:42,080 --> 00:28:56,420

[Music]

637

00:29:04,290 --> 00:28:59,580

from the skeptic magazine volume number

638

00:29:06,990 --> 00:29:04,300

31 number one from 2011 polls apart

639

00:29:14,600 --> 00:29:07,000

Ken MacLeod takes a break from the AVN

640

00:29:19,020 --> 00:29:16,190

[Music]

641

00:29:21,450 --> 00:29:19,030

well you can stop worrying about water

642

00:29:23,279 --> 00:29:21,460

fluidization and alien invasions and

643

00:29:25,799 --> 00:29:23,289

vaccines and all gone radiation from

644

00:29:27,930 --> 00:29:25,809

cellphone towers or any of the other

645

00:29:31,140 --> 00:29:27,940

disasters that are slowly creeping up on

646

00:29:33,270 --> 00:29:31,150

us to wipe out humanity no it's not

647

00:29:35,970 --> 00:29:33,280

because these threats don't exist it's

648

00:29:38,399 --> 00:29:35,980

because there is a humanity destroying

649

00:29:41,640 --> 00:29:38,409

disaster unfolding right before our eyes

650

00:29:45,810 --> 00:29:41,650

and we'll all be dead before any of them

651
00:29:47,789 --> 00:29:45,820
can hurt anybody let me explain the good

652
00:29:51,000 --> 00:29:47,799
folk at the Australian vaccination

653
00:29:54,060 --> 00:29:51,010
network and course now they're called

654
00:29:56,330 --> 00:29:54,070
the Australian vaccination risks Network

655
00:29:59,700 --> 00:29:56,340
formerly the Australian vaccination

656
00:30:02,700 --> 00:29:59,710
skeptics network and before then the

657
00:30:04,049 --> 00:30:02,710
Australian vaccination network the good

658
00:30:06,930 --> 00:30:04,059
folk at the Australian vaccination

659
00:30:10,649 --> 00:30:06,940
network have alerted us to the unfolding

660
00:30:12,990 --> 00:30:10,659
disaster that has been revealed by mass

661
00:30:16,020 --> 00:30:13,000
bird deaths and the change of an

662
00:30:18,990 --> 00:30:16,030
airport's runways designation at Tampa

663
00:30:21,840 --> 00:30:19,000

Florida in a long email sent on January

664

00:30:24,899 --> 00:30:21,850

the 14th 2011 from one of the avians

665

00:30:29,100 --> 00:30:24,909

leading lights quote our fresh ideas and

666

00:30:31,320 --> 00:30:29,110

quote she reveals that it all begins on

667

00:30:33,779 --> 00:30:31,330

a runway in Tampa where the airport

668

00:30:36,840 --> 00:30:33,789

officials recently closed that runway in

669

00:30:38,100 --> 00:30:36,850

order to change the numeric designators

670

00:30:40,409 --> 00:30:38,110

painted there

671

00:30:43,440 --> 00:30:40,419

why are those numeric designators being

672

00:30:46,409 --> 00:30:43,450

changed because the Earth's magnetic

673

00:30:48,570 --> 00:30:46,419

poles are shifting and the numbers

674

00:30:50,100 --> 00:30:48,580

previously painted on the runway no

675

00:30:52,590 --> 00:30:50,110

longer match up with the magnetic

676

00:30:55,799 --> 00:30:52,600

measurements of sensitive airplane

677

00:30:57,690 --> 00:30:55,809

instruments Wow who could have guessed

678

00:30:59,730 --> 00:30:57,700

that the Earth's magnetic poles are

679

00:31:03,210 --> 00:30:59,740

shifting who could have guessed that

680

00:31:05,940 --> 00:31:03,220

runway designations have to be changed

681

00:31:08,850 --> 00:31:05,950

because of that scary stuff but it gets

682

00:31:13,080 --> 00:31:08,860

worse the Earth's magnetic field flips

683

00:31:15,570 --> 00:31:13,090

or reverses polarity every few thousand

684

00:31:18,539 --> 00:31:15,580

years this is called geomagnetic

685

00:31:21,000 --> 00:31:18,549

reversal in between these flips the

686

00:31:24,029 --> 00:31:21,010

magnetic field can become quite weak and

687

00:31:26,940 --> 00:31:24,039

chaotic causing turbulence in the field

688

00:31:27,560 --> 00:31:26,950

which can effectively cause weaker gaps

689

00:31:30,890 --> 00:31:27,570

in

690

00:31:34,160 --> 00:31:30,900

magnetosphere these magnetic gaps or

691

00:31:36,260 --> 00:31:34,170

weaknesses can allow outside influences

692

00:31:39,530 --> 00:31:36,270

that normally would not penetrate the

693

00:31:41,990 --> 00:31:39,540

magnetosphere to reach deep into that

694

00:31:44,750 --> 00:31:42,000

magnetosphere theoretically all the way

695

00:31:47,050 --> 00:31:44,760

down to where birds fly at very low

696

00:31:50,300 --> 00:31:47,060

altitude the weakening earth

697

00:31:54,320 --> 00:31:50,310

magnetosphere was allowing poisonous

698

00:31:56,720 --> 00:31:54,330

space clouds to enter deep into the

699

00:32:00,080 --> 00:31:56,730

Earth's atmosphere where it is coming

700

00:32:02,240 --> 00:32:00,090

into contact with birds these space

701

00:32:04,310 --> 00:32:02,250

clouds are called noctilucent clouds

702

00:32:07,610 --> 00:32:04,320

which exists at very high altitudes

703

00:32:09,860 --> 00:32:07,620

roughly 50 miles and accumulate space

704

00:32:12,830 --> 00:32:09,870

dust from micro meteorites and other

705

00:32:14,720 --> 00:32:12,840

sources these deadly space clouds are

706

00:32:17,390 --> 00:32:14,730

reaching into the lower atmosphere and

707

00:32:19,940 --> 00:32:17,400

killing these birds in flight what

708

00:32:21,890 --> 00:32:19,950

exactly would be found in these deadly

709

00:32:24,650 --> 00:32:21,900

space clouds that might be killing the

710

00:32:27,770 --> 00:32:24,660

birds she asks and offers the following

711

00:32:29,510 --> 00:32:27,780

possibilities point these clouds might

712

00:32:32,270 --> 00:32:29,520

be moving along with gaps in the

713

00:32:34,970 --> 00:32:32,280

magnetosphere that would invite deadly

714

00:32:38,300 --> 00:32:34,980

radiation to fry the birds in flight

715

00:32:41,300 --> 00:32:38,310

point the deadly space clouds could have

716

00:32:44,600 --> 00:32:41,310

frozen the birds in flight with blasts

717

00:32:47,180 --> 00:32:44,610

of extremely cold air point the most

718

00:32:49,700 --> 00:32:47,190

likely explanation is that the birds

719

00:32:51,020 --> 00:32:49,710

were killed in flight by changes to the

720

00:32:53,750 --> 00:32:51,030

composition of the air they were

721

00:32:56,360 --> 00:32:53,760

breathing and as it turns out

722

00:32:59,740 --> 00:32:56,370

noctilucent clouds are largely made up

723

00:33:03,800 --> 00:32:59,750

of a poisonous gas known as hydrogen

724

00:33:06,800 --> 00:33:03,810

cyanide point secret weapon testing and

725

00:33:10,610 --> 00:33:06,810

the high frequency active Oriole

726

00:33:13,190 --> 00:33:10,620

research program H AARP

727

00:33:15,080 --> 00:33:13,200

could be altering the magnetosphere in

728

00:33:17,600 --> 00:33:15,090

ways that are contributing to the

729

00:33:20,150 --> 00:33:17,610

invasion of our lower atmosphere with

730

00:33:22,970 --> 00:33:20,160

these noctilucent clouds composed of

731

00:33:25,730 --> 00:33:22,980

hydrogen cyanide so there you have it

732

00:33:28,280 --> 00:33:25,740

the mass bird deaths are caused by

733

00:33:30,770 --> 00:33:28,290

radiation or super cold air or poisonous

734

00:33:34,000 --> 00:33:30,780

gases brought to the lower atmosphere by

735

00:33:37,850 --> 00:33:34,010

a weakened magnetosphere caused by

736

00:33:41,250 --> 00:33:37,860

secret government weapon projects and

737

00:33:45,570 --> 00:33:41,260

were all doomed and government misspell

738

00:33:48,090 --> 00:33:45,580

gu mm int she goes on to say could

739

00:33:50,610 --> 00:33:48,100

humans be next the really concerning

740

00:33:53,490 --> 00:33:50,620

part about this is the sudden

741

00:33:56,130 --> 00:33:53,500

realization that if these poisoning

742

00:33:58,500 --> 00:33:56,140

clouds of hydrogen cyanide could reach

743

00:34:01,500 --> 00:33:58,510

into our lower atmosphere they could

744

00:34:03,600 --> 00:34:01,510

also theoretically reach ground level

745

00:34:07,020 --> 00:34:03,610

that's where humans live of course and

746

00:34:09,600 --> 00:34:07,030

if such a poisonous cloud reached down

747

00:34:12,300 --> 00:34:09,610

into a major cities such as New York it

748

00:34:18,710 --> 00:34:12,310

would cause the mass instantaneous death

749

00:34:24,409 --> 00:34:21,020

there's just a few problems with this

750

00:34:25,940 --> 00:34:24,419

scenario which should be leading obvious

751
00:34:28,250 --> 00:34:25,950
to anyone with a high school science

752
00:34:31,520 --> 00:34:28,260
education and certainly were to this

753
00:34:33,950 --> 00:34:31,530
crusty old navigator firstly the

754
00:34:36,859 --> 00:34:33,960
movement of the Earth's magnetic poles

755
00:34:39,050 --> 00:34:36,869
is a well understood phenomenon and has

756
00:34:41,510 --> 00:34:39,060
been known by navigators as long as

757
00:34:44,450 --> 00:34:41,520
we've used compasses the difference

758
00:34:47,119 --> 00:34:44,460
between bearings to true north the

759
00:34:50,680 --> 00:34:47,129
Earth's rotational axis or North Pole

760
00:34:55,129 --> 00:34:50,690
and the North Magnetic Pole is known as

761
00:34:58,339 --> 00:34:55,139
magnetic variation this changes at a

762
00:35:01,069 --> 00:34:58,349
known rate as the magnetic poles move

763
00:35:04,220 --> 00:35:01,079

due to the fluid nature of the Earth's

764

00:35:06,559 --> 00:35:04,230

core the magnetic variation at Tampa

765

00:35:10,280 --> 00:35:06,569

Florida is 5 degrees 15 minutes west

766

00:35:13,880 --> 00:35:10,290

currently changing by 0 minutes 5

767

00:35:16,940 --> 00:35:13,890

degrees west a year Tampa has undergone

768

00:35:20,109 --> 00:35:16,950

a change of magnetic variation of 3

769

00:35:22,849 --> 00:35:20,119

degrees 9 minutes in the last 100 years

770

00:35:24,589 --> 00:35:22,859

runways are designated by the first two

771

00:35:28,040 --> 00:35:24,599

new rules of their magnetic bearing

772

00:35:31,790 --> 00:35:28,050

around to the nearest 10 degrees so

773

00:35:34,280 --> 00:35:31,800

Tampa's runway 18l got its designation

774

00:35:37,910 --> 00:35:34,290

from its magnetic bearing at the time it

775

00:35:40,099 --> 00:35:37,920

was built of 183 degrees many years

776

00:35:44,870 --> 00:35:40,109

later the magnetic bearing of the runway

777

00:35:50,440 --> 00:35:44,880

has changed to 186 degrees so it has

778

00:35:53,540 --> 00:35:50,450

been designated runway 19 L the L

779

00:35:56,480 --> 00:35:53,550

designation means the left of two

780

00:35:59,120 --> 00:35:56,490

parallel runways so there is nothing

781

00:36:03,020 --> 00:35:59,130

unusual in a change of a runway

782

00:36:06,319 --> 00:36:03,030

designation but it is rare enough to

783

00:36:08,690 --> 00:36:06,329

excite the conspiracy theorists nothing

784

00:36:12,220 --> 00:36:08,700

to worry about here folks yes the

785

00:36:16,040 --> 00:36:12,230

Earth's magnetic poles do undergo

786

00:36:18,470 --> 00:36:16,050

geomagnetic reversal and the reversals

787

00:36:19,160 --> 00:36:18,480

are recorded in the magnetism of ancient

788

00:36:22,730 --> 00:36:19,170

rocks

789

00:36:25,849 --> 00:36:22,740

neither the cause nor the predictability

790

00:36:29,780 --> 00:36:25,859

are well understood the last such

791

00:36:32,390 --> 00:36:29,790

reversal occurring 780 thousand years

792

00:36:34,849 --> 00:36:32,400

ago and the next one is probably

793

00:36:38,750 --> 00:36:34,859

tens if not hundreds of thousands of

794

00:36:41,440 --> 00:36:38,760

years away the Earth's magnetic field

795

00:36:44,049 --> 00:36:41,450

strength is about its historical average

796

00:36:47,480 --> 00:36:44,059

nothing to worry about here folks

797

00:36:50,089 --> 00:36:47,490

noctilucent clouds from the latin for

798

00:36:53,210 --> 00:36:50,099

night shining are made of crystals of

799

00:36:56,329 --> 00:36:53,220

water ice they are not made of space

800

00:36:58,730 --> 00:36:56,339

dust or hydrogen cyanide and are not

801
00:37:01,849 --> 00:36:58,740
being lowered to the altitude birds fly

802
00:37:04,700 --> 00:37:01,859
at all lowered to anywhere nor are they

803
00:37:07,059 --> 00:37:04,710
frying birds with radiation or freezing

804
00:37:10,490 --> 00:37:07,069
them nothing to worry about here folks

805
00:37:13,579 --> 00:37:10,500
nor our secret weapon testing and high

806
00:37:17,269 --> 00:37:13,589
frequency active Oriole research program

807
00:37:19,670 --> 00:37:17,279
AJ ARP quote altering the magnetosphere

808
00:37:23,510 --> 00:37:19,680
end quote whatever changes are happening

809
00:37:26,120 --> 00:37:23,520
are entirely natural and normal the

810
00:37:28,940 --> 00:37:26,130
current theory of the cause of mass bird

811
00:37:32,089 --> 00:37:28,950
deaths centers on flocks of birds being

812
00:37:35,420 --> 00:37:32,099
panicked by New York's fireworks as the

813
00:37:38,150 --> 00:37:35,430

US geological surveys National Wildlife

814

00:37:40,480 --> 00:37:38,160

Health Center pointed out quote there is

815

00:37:42,950 --> 00:37:40,490

nothing apocalyptic or anything that is

816

00:37:46,609 --> 00:37:42,960

necessarily out of the ordinary for what

817

00:37:48,460 --> 00:37:46,619

we would see in any given week so get

818

00:37:50,779 --> 00:37:48,470

back to worrying about something else

819

00:37:53,930 --> 00:37:50,789

there's nothing to worry about here

820

00:38:00,019 --> 00:37:53,940

except the mindset of the people who

821

00:38:03,650 --> 00:38:00,029

circulate this rubbish and if you turn

822

00:38:06,829 --> 00:38:03,660

to the article yourself by visiting WWF

823

00:38:09,920 --> 00:38:06,839

dicamba you and going to the section on

824

00:38:12,650 --> 00:38:09,930

the skeptic magazine there's some nice

825

00:38:14,060 --> 00:38:12,660

diagrams accompanying this article

826
00:38:17,510 --> 00:38:14,070
including

827
00:38:19,640 --> 00:38:17,520
a little diagram showing the movement of

828
00:38:21,710 --> 00:38:19,650
the North Magnetic Pole

829
00:38:24,320 --> 00:38:21,720
[Music]

830
00:38:27,400 --> 00:38:24,330
so that was poles apart by Ken MacLeod

831
00:38:30,140 --> 00:38:27,410
published in the skeptic magazine vol 31

832
00:38:38,710 --> 00:38:30,150
number one and you can find that on page

833
00:38:38,720 --> 00:38:50,000
[Music]

834
00:38:57,120 --> 00:38:54,090
dr. Harriet Hall MD no into thousands as

835
00:39:00,240 --> 00:38:57,130
the skeptic a retired family physician

836
00:39:02,310 --> 00:39:00,250
and former Air Force flight surgeon she

837
00:39:04,010 --> 00:39:02,320
writes about medicine so-called

838
00:39:07,880 --> 00:39:04,020

complementary and alternative medicine

839

00:39:10,980 --> 00:39:07,890

science quackery and critical thinking

840

00:39:13,230 --> 00:39:10,990

Harriet now has a free course a series

841

00:39:16,590 --> 00:39:13,240

of 10 video lectures on science-based

842

00:39:18,600 --> 00:39:16,600

medicine and alternative medicine the

843

00:39:20,730 --> 00:39:18,610

videos and an accompanying course guide

844

00:39:25,560 --> 00:39:20,740

can be found by following the link at

845

00:39:30,170 --> 00:39:25,570

skeptic info or by visiting web Randi's

846

00:39:33,920 --> 00:39:30,180

org slash educational - modules dot

847

00:39:36,210 --> 00:39:33,930

html' topics covered in the series are

848

00:39:37,470 --> 00:39:36,220

science-based medicine vs.

849

00:39:41,180 --> 00:39:37,480

evidence-based medicine

850

00:39:44,490 --> 00:39:41,190

what is camp chiropractic acupuncture

851
00:39:47,250 --> 00:39:44,500
homeopathy naturopathy and herbal

852
00:39:49,980 --> 00:39:47,260
medicine energy medicine miscellaneous

853
00:39:52,980 --> 00:39:49,990
alternatives pitfalls in research and

854
00:39:56,880 --> 00:39:52,990
science based medicine in the media and

855
00:39:59,310 --> 00:39:56,890
politics harriet covers each topic in a

856
00:40:02,580 --> 00:39:59,320
matter-of-fact no-nonsense way that

857
00:40:04,230 --> 00:40:02,590
shorter educate and entertain skeptic

858
00:40:22,360 --> 00:40:04,240
dot info

859
00:40:26,720 --> 00:40:24,740
thank you for listening to the skeptics

860
00:40:28,790 --> 00:40:26,730
own podcast in the coming week I hope to

861
00:40:31,730 --> 00:40:28,800
catch up with my dear friend dr. eugenie

862
00:40:36,620 --> 00:40:31,740
Scott in fact I think we're going to a

863
00:40:38,630 --> 00:40:36,630

science exhibition or outing or

864

00:40:41,600 --> 00:40:38,640

something in Berkeley in one of the

865

00:40:43,130 --> 00:40:41,610

parks there Jimmy's been giving me some

866

00:40:43,820 --> 00:40:43,140

hints about that so that should be

867

00:40:45,800 --> 00:40:43,830

interesting

868

00:40:47,210 --> 00:40:45,810

always a pleasure to work catch up with

869

00:40:50,300 --> 00:40:47,220

dr. eugenie Scott you might remember

870

00:40:51,800 --> 00:40:50,310

she's a great beekeeper I think I think

871

00:40:54,710 --> 00:40:51,810

that something to do with insects coming

872

00:40:56,960 --> 00:40:54,720

up we will see and don't forget if

873

00:41:00,770 --> 00:40:56,970

you're in Australia if you're in Sydney

874

00:41:03,620 --> 00:41:00,780

coming up on the 22nd of June so not

875

00:41:06,650 --> 00:41:03,630

long away so this coming Saturday night

876

00:41:11,570 --> 00:41:06,660

Maynard's Love Shack number three with

877

00:41:13,610 --> 00:41:11,580

special guest Lance Leppard + DJ TC now

878

00:41:15,260 --> 00:41:13,620

this is at the red bar in glebe at the

879

00:41:16,940 --> 00:41:15,270

end of Glee Point Road near the Broadway

880

00:41:19,550 --> 00:41:16,950

and a great chance for you to see

881

00:41:22,160 --> 00:41:19,560

Maynard in action and what he loves

882

00:41:24,680 --> 00:41:22,170

doing best I think being a DJ also

883

00:41:27,830 --> 00:41:24,690

coming up on the 2nd of July at the same

884

00:41:30,470 --> 00:41:27,840

location may not presents Flash Gordon

885

00:41:32,750 --> 00:41:30,480

with special guests Lance Leppard you

886

00:41:35,860 --> 00:41:32,760

can see details about both those events

887

00:41:39,680 --> 00:41:35,870

and buy your tickets by visiting Maynard

888

00:41:41,240 --> 00:41:39,690

com au thank you to all those people who

889

00:41:45,020 --> 00:41:41,250

contribute to the skeptic zone via

890

00:41:46,670 --> 00:41:45,030

patreon or PayPal at skeptic zone TV in

891

00:41:49,250 --> 00:41:46,680

fact the microphone I'm using at the

892

00:41:52,730 --> 00:41:49,260

moment is thanks to the generosity of

893

00:41:55,040 --> 00:41:52,740

skeptic zone listeners and if you feel

894

00:41:56,270 --> 00:41:55,050

so inclined you can contribute too if

895

00:41:58,850 --> 00:41:56,280

you haven't done so already

896

00:42:00,170 --> 00:41:58,860

why not chip in you can chip in for a

897

00:42:02,300 --> 00:42:00,180

month two months three months five

898

00:42:05,240 --> 00:42:02,310

months six months ten months six years

899

00:42:07,490 --> 00:42:05,250

whatever you want to do and every cent

900

00:42:11,630 --> 00:42:07,500

goes to help keep the skeptic Zone on

901
00:42:13,850 --> 00:42:11,640
the internet and I know a lot of people

902
00:42:14,990 --> 00:42:13,860
from feedback like listening to the show

903
00:42:16,370 --> 00:42:15,000
and I suppose a lot of people like

904
00:42:19,160 --> 00:42:16,380
listening to lots of podcast this way

905
00:42:20,840 --> 00:42:19,170
simply driving around in the car so to

906
00:42:23,210 --> 00:42:20,850
those people who are driving right now

907
00:42:27,260 --> 00:42:23,220
listening to my voice a big hello and

908
00:42:29,600 --> 00:42:27,270
remember a stop sign means stop little

909
00:42:31,970 --> 00:42:29,610
driving tip for you there but for this

910
00:42:37,630 --> 00:42:31,980
week from the San Francisco Bay Area

911
00:42:43,060 --> 00:42:40,160
you've been listening to the skeptic

912
00:42:49,760 --> 00:42:43,070
zone podcast please visit our website at

913
00:42:53,260 --> 00:42:49,770

wwlp.com tax and to access the bat

914

00:42:55,910 --> 00:42:53,270

catalog of episodes going back to 2008

915

00:42:59,210 --> 00:42:55,920

you can follow the skeptic zone podcast

916

00:43:01,490 --> 00:42:59,220

on twitter at skeptic zone visit our

917

00:43:04,850 --> 00:43:01,500

facebook page or leave a review on

918

00:43:08,210 --> 00:43:04,860

itunes you can also support the skeptic

919

00:43:10,580 --> 00:43:08,220

zone via patreon or PayPal the skeptic

920

00:43:12,530 --> 00:43:10,590

zone podcast is an independent

921

00:43:14,690 --> 00:43:12,540

production reviews and opinions

922

00:43:16,880 --> 00:43:14,700

expressed on the skeptic zone and not

923

00:43:19,840 --> 00:43:16,890

necessarily those of Australian skeptics

924

00:43:30,900 --> 00:43:19,850

or any other skeptical organization

925

00:43:35,320 --> 00:43:33,130

hello to those people who listen on

926

00:43:39,160 --> 00:43:35,330

after the music be afterthoughts people

927

00:43:43,180 --> 00:43:39,170

and yes I have brought with me a variety

928

00:43:45,210 --> 00:43:43,190

of ten sided die here to California and

929

00:43:47,410 --> 00:43:45,220

I think in fact some of them I use

930

00:43:51,280 --> 00:43:47,420

originally came from California

931

00:43:55,930 --> 00:43:51,290

hmm you know I've got a nice transparent

932

00:43:57,790 --> 00:43:55,940

yellow one right here and for those

933

00:43:59,650 --> 00:43:57,800

people new to this every now and then

934

00:44:02,020 --> 00:43:59,660

I'll roll a ten sided die at the end of

935

00:44:04,300 --> 00:44:02,030

the show three times and it's a chance

936

00:44:05,830 --> 00:44:04,310

for you to use your magical predicting

937

00:44:08,190 --> 00:44:05,840

psychic looking into the future

938

00:44:11,560 --> 00:44:08,200

professorial powers professorial

939

00:44:14,110 --> 00:44:11,570

pathetic if you are a professor you'd

940

00:44:17,530 --> 00:44:14,120

have prophetic professorial power anyway

941

00:44:20,560 --> 00:44:17,540

and to see you can use those powers

942

00:44:23,680 --> 00:44:20,570

whatever they are to come up with the

943

00:44:26,770 --> 00:44:23,690

same number that will appear on the die

944

00:44:29,560 --> 00:44:26,780

when I roll it so here we go concentrate

945

00:44:33,060 --> 00:44:29,570

now it's going to be a number but from

946

00:44:39,400 --> 00:44:33,070

one to ten so one all the way to ten

947

00:44:42,010 --> 00:44:39,410

first role coming up number five always

948

00:44:45,130 --> 00:44:42,020

right please down let's see there five

949

00:44:48,790 --> 00:44:45,140

okay all those people who got five well

950

00:44:51,910 --> 00:44:48,800

done second number coming up to get all

951

00:44:55,570 --> 00:44:51,920

three by the way is you have one chance

952

00:45:04,750 --> 00:44:55,580

in a thousand number second role coming

953

00:45:09,280 --> 00:45:04,760

up number one number one and last role

954

00:45:17,500 --> 00:45:09,290

coming up here we go guess away or