

Episode 533

THE  
**SKEPTIC  
ZONE**  
PODCAST

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6 Jan 2019

The Skeptic Zone Podcast



Episode 533 - 6 Jan 2019

GSoW at the Exploratorium  
in San Francisco

Michelle Franklin and  
the great Emu Invasion

A tour of Wikimedia Headquarters

Mandy-Lee Noble  
Claims of an alternative medicine  
practitioner under investigation



1  
00:00:11,910 --> 00:00:09,110  
welcome to the skeptic zone the podcast

2  
00:00:23,210 --> 00:00:11,920  
from Australia for science and reason

3  
00:00:26,130 --> 00:00:23,220  
[Music]

4  
00:00:29,730 --> 00:00:26,140  
yes it's the skeptic zone podcast

5  
00:00:33,360 --> 00:00:29,740  
episode number 533 for the 6th of

6  
00:00:35,850 --> 00:00:33,370  
January 2019 richardsaunders here with

7  
00:00:38,820 --> 00:00:35,860  
you from the San Francisco Bay Area and

8  
00:00:41,160 --> 00:00:38,830  
what a great start to 2019 it has been

9  
00:00:43,560 --> 00:00:41,170  
especially in the cold crispy weather

10  
00:00:46,260 --> 00:00:43,570  
that I love I think there's lots of rain

11  
00:00:48,290 --> 00:00:46,270  
forecast I'm glad I'm here at the moment

12  
00:00:51,330 --> 00:00:48,300  
because in Sydney Australia it's a

13  
00:00:54,750 --> 00:00:51,340

understand heatwave conditions followed

14

00:00:56,460 --> 00:00:54,760

by heavy thunderstorms maybe I should

15

00:00:58,439 --> 00:00:56,470

work for The Weather Channel coming up

16

00:00:59,070 --> 00:00:58,449

on this week's show here in San

17

00:01:03,000 --> 00:00:59,080

Francisco

18

00:01:04,890 --> 00:01:03,010

I joined mark Edward J Dimon and susan

19

00:01:07,560 --> 00:01:04,900

gerbic who was from guerrilla skepticism

20

00:01:10,380 --> 00:01:07,570

on Wikipedia and we head to the

21

00:01:12,360 --> 00:01:10,390

Exploratorium now we've been there

22

00:01:14,160 --> 00:01:12,370

before a couple of years ago but it's

23

00:01:16,620 --> 00:01:14,170

always great to go back especially with

24

00:01:18,719 --> 00:01:16,630

some skeptics and afterwards I chat to

25

00:01:21,080 --> 00:01:18,729

susan gerbic about what it's like to be

26

00:01:24,860 --> 00:01:21,090

an editor for guerrilla skepticism on

27

00:01:28,260 --> 00:01:24,870

wikipedia more about wikipedia coming up

28

00:01:32,400 --> 00:01:28,270

after that life is wild with michele

29

00:01:37,020 --> 00:01:32,410

Franklin with an unusual story of an emu

30

00:01:41,610 --> 00:01:37,030

invasion yeah emus what happens when

31

00:01:43,950 --> 00:01:41,620

people tried to control emus and then we

32

00:01:46,440 --> 00:01:43,960

head to Wikimedia the headquarters of

33

00:01:48,420 --> 00:01:46,450

Wikipedia here in San Francisco I get a

34

00:01:50,820 --> 00:01:48,430

little tool with Mario shoot Lander a

35

00:01:54,000 --> 00:01:50,830

friend of mine who I met many years ago

36

00:01:56,760 --> 00:01:54,010

who over 10 years ago when she had

37

00:01:59,420 --> 00:01:56,770

demonstrated some science by whacking a

38

00:02:02,120 --> 00:01:59,430

cream pie in my face hmm

39

00:02:04,830 --> 00:02:02,130

my shoes on the skeptics owned only

40

00:02:07,950 --> 00:02:04,840

about a year back talking about the Flat

41

00:02:10,649 --> 00:02:07,960

Earth anyway she brings us up to date on

42

00:02:13,040 --> 00:02:10,659

the Flat Earth is it still flat probably

43

00:02:16,140 --> 00:02:13,050

not and we get a little tour of

44

00:02:19,740 --> 00:02:16,150

Wikimedia then to round off the show a

45

00:02:22,589 --> 00:02:19,750

story from Jane Hansen is read by the

46

00:02:25,020 --> 00:02:22,599

diet skeptic Mandy lee noble about a

47

00:02:27,809 --> 00:02:25,030

naturopath who's under investigation for

48

00:02:32,970 --> 00:02:27,819

what seems to be pretty dodgy advice

49

00:02:34,530 --> 00:02:32,980

regarding cancer and breastfeeding well

50

00:02:37,530 --> 00:02:34,540

here we go another

51  
00:02:40,319 --> 00:02:37,540  
year of the skeptic zone another year

52  
00:02:44,309 --> 00:02:40,329  
hmm I think I'm gonna run upstairs and

53  
00:02:46,170 --> 00:02:44,319  
have myself some linguine Delmar

54  
00:02:48,240 --> 00:02:46,180  
actually had some the other night it was

55  
00:02:51,400 --> 00:02:48,250  
pretty good well I do that I hope you

56  
00:02:58,680 --> 00:02:51,410  
enjoy the skeptic zone

57  
00:03:11,520 --> 00:02:58,690  
[Music]

58  
00:03:13,770 --> 00:03:11,530  
it's an out sort of a day here in San

59  
00:03:17,940 --> 00:03:13,780  
Francisco back in Australia it's already

60  
00:03:21,210 --> 00:03:17,950  
2019 here however it's still 2018 it's

61  
00:03:23,970 --> 00:03:21,220  
one of those quirks of the timeline the

62  
00:03:25,680 --> 00:03:23,980  
date line the International Dateline I'm

63  
00:03:27,539 --> 00:03:25,690

walking up from the Ferry Building here

64

00:03:30,960 --> 00:03:27,549

in San Francisco heading towards the

65

00:03:32,759 --> 00:03:30,970

Exploratorium and we've been there

66

00:03:34,259 --> 00:03:32,769

before the skeptics town has been to the

67

00:03:37,800 --> 00:03:34,269

Exploratorium before where we did some

68

00:03:39,330 --> 00:03:37,810

reports but not with susan gerbic from

69

00:03:42,360 --> 00:03:39,340

guerrilla skepticism who I just bumped

70

00:03:45,270 --> 00:03:42,370

into in the street at random hello he

71

00:03:48,300 --> 00:03:45,280

did not bump into me on the street be

72

00:03:50,789 --> 00:03:48,310

skeptical people be skeptical Susan's oh

73

00:03:52,619 --> 00:03:50,799

hello we've got somebody with some

74

00:03:58,140 --> 00:03:52,629

groovy music coming up behind us we with

75

00:04:01,830 --> 00:03:58,150

Mark Edward and Jay Diamond hi guys and

76

00:04:05,140 --> 00:04:01,840

it's it's nippy today it's it's a little

77

00:04:07,700 --> 00:04:05,150

bit um risk

78

00:04:09,920 --> 00:04:07,710

he's a happy guy just walk past us for

79

00:04:11,990 --> 00:04:09,930

this is music and it's a lovely clear

80

00:04:13,910 --> 00:04:12,000

day here in San Francisco we're walking

81

00:04:16,009 --> 00:04:13,920

up to the Exploratorium I've been here

82

00:04:18,259 --> 00:04:16,019

before as I said but it's more fun when

83

00:04:20,180 --> 00:04:18,269

you go with people and you can play

84

00:04:25,100 --> 00:04:20,190

silly games science games with each

85

00:04:26,780 --> 00:04:25,110

other the sights and sounds of San

86

00:04:29,570 --> 00:04:26,790

Francisco it looks like a lot of the

87

00:04:33,860 --> 00:04:29,580

South American people maybe Oh banging

88

00:04:37,120 --> 00:04:33,870

their drums and walking bus not sure why

89

00:04:44,120 --> 00:04:40,840

eyeing 2018 and yes they were yeah

90

00:04:48,860 --> 00:04:44,130

that's very colorful and interesting and

91

00:04:51,410 --> 00:04:48,870

I had these smoking things and we're

92

00:04:54,350 --> 00:04:51,420

nearly at the Exploratorium this quite a

93

00:04:59,170 --> 00:04:54,360

lot of people walking up and down along

94

00:05:09,379 --> 00:05:03,219

enclosed by white touch okay here's our

95

00:05:13,290 --> 00:05:11,520

the entrance is around that way but if

96

00:05:14,850 --> 00:05:13,300

we go through this way not only is it

97

00:05:18,749 --> 00:05:14,860

warm but we can walk through the gift

98

00:05:20,100 --> 00:05:18,759

shop to figure this out all the main

99

00:05:23,310 --> 00:05:20,110

entrance I know we're on the right side

100

00:05:25,409 --> 00:05:23,320

we'll find it we'll find it this is a

101  
00:05:29,249 --> 00:05:25,419  
good gift shop now I've got no kickback

102  
00:05:31,469 --> 00:05:29,259  
here I'm not doing any anything special

103  
00:05:35,490 --> 00:05:31,479  
everyone loves great science gifts right

104  
00:05:37,920 --> 00:05:35,500  
and this gift shop you probably will buy

105  
00:05:40,529 --> 00:05:37,930  
something I always buy something in that

106  
00:05:43,740 --> 00:05:40,539  
gift shop let's let's let's do that the

107  
00:05:46,830 --> 00:05:43,750  
ticketing it's around this way and walk

108  
00:05:48,300 --> 00:05:46,840  
around here look at that yeah we can see

109  
00:05:50,100 --> 00:05:48,310  
through the giant glass doors here all

110  
00:05:53,100 --> 00:05:50,110  
sorts of things happening and we're

111  
00:05:54,050 --> 00:05:53,110  
walking up to near where the tickets are

112  
00:05:58,800 --> 00:05:54,060  
okay

113  
00:06:00,360 --> 00:05:58,810

we've already struck the first the video

114

00:06:05,940 --> 00:06:00,370

if we have to figure out how the lockers

115

00:06:12,630 --> 00:06:07,520

[Music]

116

00:06:18,810 --> 00:06:12,640

what you're doing nothing oh I see this

117

00:06:23,550 --> 00:06:18,820

musical notes on them Marquez defeat it

118

00:06:26,559 --> 00:06:23,560

only took us an hour and we I just

119

00:06:37,359 --> 00:06:26,569

compose that locker

120

00:06:41,859 --> 00:06:37,369

Oh Richard I really like to think of you

121

00:06:45,040 --> 00:06:41,869

as the Beethoven of Locker 21st century

122

00:06:46,419 --> 00:06:45,050

music composition I am I am in fact the

123

00:06:48,459 --> 00:06:46,429

wall of luck that's what I didn't even

124

00:06:50,320 --> 00:06:48,469

know that Susan I did not even that is

125

00:06:52,419 --> 00:06:50,330

super cool I saw the sign I'm not that

126

00:06:53,679 --> 00:06:52,429

clever now you get extra points for

127

00:06:55,149 --> 00:06:53,689

paying attain you know they say that

128

00:06:57,429 --> 00:06:55,159

your luck is better if you're the type

129

00:06:59,109 --> 00:06:57,439

of person who actually pays attention to

130

00:07:03,339 --> 00:06:59,119

things is that what Richard Wiseman told

131

00:07:05,170 --> 00:07:03,349

us in his book yeah the luck factor well

132

00:07:09,010 --> 00:07:05,180

lucky for us we're here why don't we

133

00:07:12,999 --> 00:07:09,020

dive right into the exhibits let's go

134

00:07:16,989 --> 00:07:13,009

into the shadow room here the shadow box

135

00:07:20,799 --> 00:07:16,999

it's called it's a very dark room and if

136

00:07:23,499 --> 00:07:20,809

we stand near the wall so stand near the

137

00:07:26,820 --> 00:07:23,509

wall and make a funny pose and in 23

138

00:07:29,499 --> 00:07:26,830

seconds a bright flash flashes and

139

00:07:33,040 --> 00:07:29,509

preserves our shadows for a minute or

140

00:07:34,509 --> 00:07:33,050

two our shadow we can photograph that

141

00:07:40,550 --> 00:07:34,519

afternoon I guess so

142

00:07:45,379 --> 00:07:40,560

ten nine seven five or here comes

143

00:07:49,190 --> 00:07:45,389

oh that was bright there's our shadows

144

00:07:50,690 --> 00:07:49,200

look at that the system's making the

145

00:07:56,060 --> 00:07:50,700

victory sign and I've got my microphone

146

00:08:00,200 --> 00:07:56,070

in my hand and they're fading already

147

00:08:01,730 --> 00:08:00,210

you see that it's not often you can see

148

00:08:03,890 --> 00:08:01,740

your own shadow like that that's quite

149

00:08:06,020 --> 00:08:03,900

cool well lots of people here today I'm

150

00:08:08,690 --> 00:08:06,030

really pleased to see it the place is

151  
00:08:09,770 --> 00:08:08,700  
pretty so many children lots of children

152  
00:08:14,330 --> 00:08:09,780  
always a good thing

153  
00:08:17,379 --> 00:08:14,340  
and we're walking along this corridor a

154  
00:08:21,129 --> 00:08:17,389  
wide corridor and there are our excites

155  
00:08:25,570 --> 00:08:21,139  
guide games and toys and puzzles

156  
00:08:32,149 --> 00:08:25,580  
everywhere hello what's this metronome

157  
00:08:33,500 --> 00:08:32,159  
synchronization I think I've seen

158  
00:08:35,240 --> 00:08:33,510  
something like that on Mythbusters where

159  
00:08:38,269 --> 00:08:35,250  
you will these metronomes you put the

160  
00:08:43,060 --> 00:08:38,279  
money have platforms suspended on

161  
00:08:53,550 --> 00:08:49,150  
and then they explode I don't know this

162  
00:08:55,590 --> 00:08:53,560  
is one of these strobe animation wheels

163  
00:09:00,490 --> 00:08:55,600

Wow

164

00:09:03,129 --> 00:09:00,500

so it's Lego Batman and it's comes to

165

00:09:07,059 --> 00:09:03,139

life before our eyes were strobing hard

166

00:09:14,740 --> 00:09:07,069

to explain and the Penguins

167

00:09:25,980 --> 00:09:14,750

isn't that cool and the Riddler and

168

00:09:28,360 --> 00:09:25,990

that's pretty cool that's great now

169

00:09:29,800 --> 00:09:28,370

skeptic John listeners may well remember

170

00:09:32,470 --> 00:09:29,810

that the last time I was here at the

171

00:09:35,350 --> 00:09:32,480

Exploratorium I interviewed Paul Dodi he

172

00:09:38,129 --> 00:09:35,360

had a book out about crazy ways to die

173

00:09:40,930 --> 00:09:38,139

and scientific things to do with that I

174

00:09:43,749 --> 00:09:40,940

interviewed Paul wonderful man he showed

175

00:09:46,720 --> 00:09:43,759

me all around and sadly about six months

176

00:09:49,120 --> 00:09:46,730

later he died so I was very pleased to

177

00:09:50,290 --> 00:09:49,130

be able to come here and turn the view

178

00:09:52,870 --> 00:09:50,300

Paul Doherty and I'll link to that

179

00:09:56,850 --> 00:09:52,880

episode of the skeptic Zone in the show

180

00:09:59,470 --> 00:09:56,860

notes for this week as we enter a huge

181

00:10:02,530 --> 00:09:59,480

room towards the back here with what is

182

00:10:06,430 --> 00:10:02,540

that it's a prism of lights said like a

183

00:10:07,660 --> 00:10:06,440

giant cube it's an infinity cube no

184

00:10:13,079 --> 00:10:07,670

matter how you look into it it just

185

00:10:13,089 --> 00:10:18,830

it's like looking into another dimension

186

00:10:24,070 --> 00:10:21,920

is it giant sort of bubble sculpture

187

00:10:27,610 --> 00:10:24,080

hanging from the ceiling

188

00:10:30,320 --> 00:10:27,620

multicolored it's extraordinary here and

189

00:10:33,580 --> 00:10:30,330

no matter how much I explained it what's

190

00:10:36,730 --> 00:10:33,590

going on and all the things to see

191

00:10:38,560 --> 00:10:36,740

you you can only get a guess you can

192

00:10:42,400 --> 00:10:38,570

only guess at what it's really like here

193

00:10:43,690 --> 00:10:42,410

now Susan I'm going to take you over I'm

194

00:10:46,450 --> 00:10:43,700

going to take you over to an amazing

195

00:10:48,040 --> 00:10:46,460

mirror illusion because when I see you

196

00:10:51,940 --> 00:10:48,050

last time with Paul Doherty this is the

197

00:10:56,640 --> 00:10:51,950

one that really really amazed me and it

198

00:10:58,570 --> 00:10:56,650

gives quite the incredible illusion

199

00:11:00,110 --> 00:10:58,580

closer we get

200

00:11:03,079 --> 00:11:00,120

[Music]

201  
00:11:06,450 --> 00:11:03,089  
if you look around the mirror you'll be

202  
00:11:13,170 --> 00:11:08,640  
you just have to get in the sweet spot

203  
00:11:17,070 --> 00:11:13,180  
and not only is it upside down oh

204  
00:11:18,360 --> 00:11:17,080  
you are 3d its 3d and see what this man

205  
00:11:19,980 --> 00:11:18,370  
is doing he's reaching out and he's

206  
00:11:22,020 --> 00:11:19,990  
touching his own hand and reflection

207  
00:11:26,670 --> 00:11:22,030  
look at that oh [h\_\_\h]

208  
00:11:28,440 --> 00:11:26,680  
oh wow it's staggering it's one of the

209  
00:11:30,330 --> 00:11:28,450  
best illusions and others me I can just

210  
00:11:32,580 --> 00:11:30,340  
see me over so it's like looking at

211  
00:11:35,490 --> 00:11:32,590  
yourself in reality but upside down as

212  
00:11:37,740 --> 00:11:35,500  
if you're hanging from the ceiling I've

213  
00:11:41,370 --> 00:11:37,750

lost you sir oh there you are you're

214

00:11:42,200 --> 00:11:41,380

there look so put out your hand keep

215

00:11:46,550 --> 00:11:42,210

going keep going

216

00:11:46,560 --> 00:11:52,170

that's weird isn't it this myth Scott

217

00:11:56,679 --> 00:11:54,429

Susan's reaching out and she's touching

218

00:11:58,600 --> 00:11:56,689

her own hand in reflection and her

219

00:12:03,999 --> 00:11:58,610

reflection is reaching back to touch

220

00:12:06,129 --> 00:12:04,009

your hand oh yeah isn't that something

221

00:12:07,689 --> 00:12:06,139

look how clear that is I can use that to

222

00:12:10,360 --> 00:12:07,699

put my makeup on or something like that

223

00:12:13,560 --> 00:12:10,370

is so clear

224

00:12:17,320 --> 00:12:13,570

jerry and now we're in the room of

225

00:12:18,640 --> 00:12:17,330

reflections and there are thousand susan

226

00:12:22,110 --> 00:12:18,650

gerbic sand a thousand richardsaunders

227

00:12:25,630 --> 00:12:22,120

in here we're gonna get nauseous again

228

00:12:28,390 --> 00:12:25,640

we don't have yeah is that the way it

229

00:12:30,520 --> 00:12:28,400

works now there are that there are

230

00:12:33,610 --> 00:12:30,530

thousands of people in here right so

231

00:12:36,850 --> 00:12:33,620

welcome to the the cone of silence at

232

00:12:38,290 --> 00:12:36,860

the world skeptic conference what this

233

00:12:42,010 --> 00:12:38,300

is where we do all of our conspiracies

234

00:12:43,180 --> 00:12:42,020

what I'm sorry I can't hear you what I

235

00:12:49,060 --> 00:12:43,190

said

236

00:12:50,700 --> 00:12:49,070

welcome to the cone of silence hello

237

00:13:02,260 --> 00:12:50,710

Susan

238

00:13:03,970 --> 00:13:02,270

I are sitting about or 20 meters from

239

00:13:07,540 --> 00:13:03,980

each other talking in our normal voices

240

00:13:14,800 --> 00:13:07,550

and we can hear each other through these

241

00:13:16,990 --> 00:13:14,810

parabolic listening caves thanks Susan

242

00:13:20,200 --> 00:13:17,000

now this is a strange one is called

243

00:13:21,970 --> 00:13:20,210

sound bite when you put a drinking straw

244

00:13:24,970 --> 00:13:21,980

disposable drinking store in a little

245

00:13:28,930 --> 00:13:24,980

metal rod and the metal rod is vibrating

246

00:13:30,790 --> 00:13:28,940

with the vibrations but when you bite

247

00:13:33,730 --> 00:13:30,800

down you can actually hear something

248

00:13:35,830 --> 00:13:33,740

through your teeth it's rap music is ahh

249

00:13:38,740 --> 00:13:35,840

and it's in that audience isn't it

250

00:13:47,379 --> 00:13:43,300

and yet there's yet more

251  
00:13:53,559 --> 00:13:47,389  
interesting things lying ahead with lots

252  
00:13:56,170 --> 00:13:53,569  
of kids here vibrations sound well

253  
00:13:58,269 --> 00:13:56,180  
what's this this looks weird this is

254  
00:14:01,610 --> 00:13:58,279  
like something from Doctor Who reverse

255  
00:14:12,230 --> 00:14:07,040  
Oh so okay let me try to explain it this

256  
00:14:14,060 --> 00:14:12,240  
is like headphones speak to you from one

257  
00:14:16,460 --> 00:14:14,070  
side make sure they don't tell you what

258  
00:14:18,200 --> 00:14:16,470  
that what side they're on try to decide

259  
00:14:19,850 --> 00:14:18,210  
what side your friend is on and what

260  
00:14:23,480 --> 00:14:19,860  
then open your eyes were you right so

261  
00:14:24,290 --> 00:14:23,490  
I'm going to close my eyes I'll try it

262  
00:14:25,960 --> 00:14:24,300  
on you first

263  
00:14:29,840 --> 00:14:25,970

so Susan's wearing a pair of headphones

264

00:14:32,360 --> 00:14:29,850

attached to tubes and little inlets here

265

00:14:34,100 --> 00:14:32,370

for sound I'm going to speak in one one

266

00:14:37,710 --> 00:14:34,110

side and she's going to try and guess

267

00:14:43,140 --> 00:14:40,470

hello where am i speaking from she

268

00:14:45,810 --> 00:14:43,150

guessed so much for that all right I'm

269

00:14:52,680 --> 00:14:45,820

gonna try these on hello Richard

270

00:15:00,269 --> 00:14:52,690

hello myself are you on the other side

271

00:15:11,129 --> 00:15:04,939

know what side of Milan try these ones

272

00:15:12,900 --> 00:15:11,139

physically try those make it look

273

00:15:15,480 --> 00:15:12,910

fashionable embrace it a lot like I

274

00:15:17,670 --> 00:15:15,490

think we've shown accessorize what side

275

00:15:25,829 --> 00:15:17,680

he's outside am i speaking from your

276

00:15:29,100 --> 00:15:25,839

hear I hear you on this one I've seen on

277

00:15:31,710 --> 00:15:29,110

TV it's a um it's a sheet of metal with

278

00:15:46,110 --> 00:15:31,720

some sand on top and we get a thing like

279

00:15:47,999 --> 00:15:46,120

a violin bow the idea is of course the

280

00:15:53,699 --> 00:15:48,009

the sand is vibrating on the middle

281

00:15:58,350 --> 00:15:53,709

plate like my teeth I think I've just

282

00:16:04,920 --> 00:15:58,360

lost about 20% of my listeners 20% yes

283

00:16:06,869 --> 00:16:04,930

all three of them and of course you turn

284

00:16:09,329 --> 00:16:06,879

your back for one moment and half the

285

00:16:12,829 --> 00:16:09,339

party disappear but that's I think it's

286

00:16:14,329 --> 00:16:12,839

part of the magic of this place oh

287

00:16:17,639 --> 00:16:14,339

here's one

288

00:16:20,759 --> 00:16:17,649

did you look in the igloo then I didn't

289

00:16:22,470 --> 00:16:20,769

go in yet it's an igloo of light that

290

00:16:25,590 --> 00:16:22,480

sounds exciting yeah well it's just like

291

00:16:26,670 --> 00:16:25,600

in the far north it's yes well it's not

292

00:16:28,920 --> 00:16:26,680

that exciting but it's interesting

293

00:16:30,600 --> 00:16:28,930

nevertheless remember I'm from Canada so

294

00:16:32,880 --> 00:16:30,610

you know in Canada it's all igloos and

295

00:16:35,340 --> 00:16:32,890

lights of course yes

296

00:16:39,720 --> 00:16:35,350

we step into the igloo of light here

297

00:16:43,110 --> 00:16:39,730

ducking in the other side and we're in

298

00:16:46,800 --> 00:16:43,120

it's like an igloo of light it is it's

299

00:16:51,000 --> 00:16:46,810

an igloo made of light light okay with

300

00:16:53,610 --> 00:16:51,010

an exit here we go after lots and lots

301  
00:16:55,890 --> 00:16:53,620  
and lots of fun and lots of science we

302  
00:16:58,980 --> 00:16:55,900  
found ourselves in the cafeteria

303  
00:17:00,630 --> 00:16:58,990  
another root beer and fries I assume

304  
00:17:04,170 --> 00:17:00,640  
garlic what it's like to be an editor

305  
00:17:06,900 --> 00:17:04,180  
for guerrilla skepticism on Wikipedia

306  
00:17:08,340 --> 00:17:06,910  
well after you finish training you're

307  
00:17:10,140 --> 00:17:08,350  
let loose to do whatever you'd like to

308  
00:17:12,090 --> 00:17:10,150  
do but to get through training there's

309  
00:17:13,860 --> 00:17:12,100  
all a bunch of different kinds of edits

310  
00:17:15,990 --> 00:17:13,870  
that you have to make you have to learn

311  
00:17:17,760 --> 00:17:16,000  
how to cite something you have to add a

312  
00:17:19,500 --> 00:17:17,770  
photo you have a lot of different things

313  
00:17:21,180 --> 00:17:19,510

that are asked of you and then when

314

00:17:22,590 --> 00:17:21,190

you're finished which takes anywhere

315

00:17:23,940 --> 00:17:22,600

from two and a half to four months

316

00:17:27,990 --> 00:17:23,950

you're going to come out to be a

317

00:17:29,640 --> 00:17:28,000

well-rounded really well-trained editor

318

00:17:31,650 --> 00:17:29,650

of Wikipedia far more than somebody

319

00:17:34,080 --> 00:17:31,660

who's probably self trained on Wikipedia

320

00:17:36,030 --> 00:17:34,090

then you're able to do pretty much

321

00:17:38,340 --> 00:17:36,040

whatever you want we some people are

322

00:17:40,440 --> 00:17:38,350

great at just handling vandalism some

323

00:17:42,630 --> 00:17:40,450

people like to improve pages with photos

324

00:17:44,340 --> 00:17:42,640

or adding citations some people like to

325

00:17:46,500 --> 00:17:44,350

create brand new pages and some people

326

00:17:49,010 --> 00:17:46,510

like to just rewrite pages there's so

327

00:17:52,020 --> 00:17:49,020

much you can do it's really up to you

328

00:17:54,650 --> 00:17:52,030

it's an obsession to some people one of

329

00:17:57,450 --> 00:17:54,660

my editors Aaliyah encore took wig from

330

00:17:59,280 --> 00:17:57,460

the Netherlands he's been he was an

331

00:18:01,860 --> 00:17:59,290

editor of Wikipedia for a quite a while

332

00:18:03,780 --> 00:18:01,870

before he joined the GSO Debu before he

333

00:18:06,120 --> 00:18:03,790

found out about us but he really missed

334

00:18:08,460 --> 00:18:06,130

the social aspects the ability to be

335

00:18:10,440 --> 00:18:08,470

able to talk to people in some sort of

336

00:18:13,890 --> 00:18:10,450

chatting kind of function you know where

337

00:18:18,060 --> 00:18:13,900

you get instant feedback and when he

338

00:18:20,730 --> 00:18:18,070

joined us oh gosh maybe maybe six years

339

00:18:23,160 --> 00:18:20,740

ago he just took to it like a duck and

340

00:18:26,820 --> 00:18:23,170

water and we just looked at his edits

341

00:18:28,560 --> 00:18:26,830

the other day and he's written so many

342

00:18:30,600 --> 00:18:28,570

wikipedia pages a lot of him in Dutch

343

00:18:32,970 --> 00:18:30,610

and and then translating image to

344

00:18:36,030 --> 00:18:32,980

English or English pages translated into

345

00:18:37,170 --> 00:18:36,040

Dutch and all of the pages he's created

346

00:18:38,880 --> 00:18:37,180

and I think he's at a hundred and

347

00:18:41,610 --> 00:18:38,890

twenty-six pages he personally has

348

00:18:42,370 --> 00:18:41,620

created have just hit over 3.5 million

349

00:18:46,180 --> 00:18:42,380

page view

350

00:18:47,860 --> 00:18:46,190

just by himself plus he's been he's

351

00:18:49,510 --> 00:18:47,870

influenced others to write other pages

352

00:18:52,270 --> 00:18:49,520

and helped on other peoples pages as

353

00:18:58,299 --> 00:18:52,280

well our team is just creating I think

354

00:19:01,120 --> 00:18:58,309

our 770 a--the page we just launched and

355

00:19:04,210 --> 00:19:01,130

those pages have just hit thirty five

356

00:19:05,909 --> 00:19:04,220

point five million page views so we know

357

00:19:10,400 --> 00:19:05,919

we're having impact and it's such a

358

00:19:15,660 --> 00:19:12,900

it's a very satisfying feeling to know

359

00:19:18,570 --> 00:19:15,670

that you've been able to get it really

360

00:19:20,220 --> 00:19:18,580

great information out there on Wikipedia

361

00:19:23,580 --> 00:19:20,230

where people are able to access it and

362

00:19:25,980 --> 00:19:23,590

learn from it I'm enthralled by the

363

00:19:28,920 --> 00:19:25,990

world that we're in it's such a joy I

364

00:19:31,800 --> 00:19:28,930

mean I really have no skills in the area

365

00:19:33,420 --> 00:19:31,810

that I am in I mean I'm not a scientist

366

00:19:36,000 --> 00:19:33,430

I don't have a degree in any advanced

367

00:19:39,330 --> 00:19:36,010

degrees of any kind and I'm a trained

368

00:19:41,520 --> 00:19:39,340

baby photographer so I can't believe I'm

369

00:19:45,380 --> 00:19:41,530

doing this but it somehow or other it

370

00:19:49,860 --> 00:19:47,850

and sadly time to leave the

371

00:19:52,260 --> 00:19:49,870

Exploratorium a big shout out and a

372

00:19:55,590 --> 00:19:52,270

thank you to Josh who is looking after

373

00:19:57,780 --> 00:19:55,600

us today and Jay what a wonderful place

374

00:20:03,600 --> 00:19:57,790

it is but there are worse ways to spend

375

00:20:08,400 --> 00:20:03,610

a day a San Francisco Exploratorium is

376

00:20:11,330 --> 00:20:08,410

at here 15 and is open Tuesdays to

377

00:20:14,520 --> 00:20:11,340

Sundays for more information visit

378

00:20:19,370 --> 00:20:14,530

Exploratorium dot edu or just follow the

379

00:20:41,210 --> 00:20:29,520

[Music]

380

00:20:44,980 --> 00:20:41,220

like watch your guide to quackery health

381

00:20:47,450 --> 00:20:44,990

fraud operated by Stephan Barratt MD

382

00:20:49,520 --> 00:20:47,460

quack watch is now an international

383

00:20:52,340 --> 00:20:49,530

network of people who are concerned

384

00:20:55,850 --> 00:20:52,350

about health-related frauds myths fads

385

00:20:58,580 --> 00:20:55,860

fallacies and misconduct its primary

386

00:21:00,830 --> 00:20:58,590

focus is on quackery related information

387

00:21:05,330 --> 00:21:00,840

that is difficult or impossible to get

388

00:21:08,779 --> 00:21:05,340

elsewhere articles include quackery how

389

00:21:11,720 --> 00:21:08,789

should it be defined how it sells 26

390

00:21:21,810 --> 00:21:11,730

ways to spot it Howard Homs cancer

391

00:21:21,820 --> 00:21:25,970

[Music]

392

00:21:39,360 --> 00:21:28,330

[Applause]

393

00:21:39,370 --> 00:21:53,700

life is wild with Michelle Franklin

394

00:21:59,140 --> 00:21:56,380

humans have a fairly poor track record

395

00:22:01,090 --> 00:21:59,150

of moving into wild territories setting

396

00:22:03,010 --> 00:22:01,100

up homes and then being surprised and

397

00:22:05,680 --> 00:22:03,020

alarmed when animals show up in those

398

00:22:07,419 --> 00:22:05,690

homes not realizing the irony of the

399

00:22:10,120 --> 00:22:07,429

animals being equally surprised and

400

00:22:12,460 --> 00:22:10,130

alarmed for exactly the same reason this

401  
00:22:15,520 --> 00:22:12,470  
situation can be exacerbated when we

402  
00:22:18,340 --> 00:22:15,530  
start to change the habitats take inland

403  
00:22:20,290 --> 00:22:18,350  
Australia for example it's hot and dry

404  
00:22:22,690 --> 00:22:20,300  
and generally pretty difficult to live

405  
00:22:24,669 --> 00:22:22,700  
in but when humans show up we drill

406  
00:22:26,770 --> 00:22:24,679  
bores we bring water to the surface and

407  
00:22:29,770 --> 00:22:26,780  
then we grow crops and we cut down trees

408  
00:22:32,860 --> 00:22:29,780  
and we let lots of grass grow basically

409  
00:22:34,360 --> 00:22:32,870  
making living conditions better so that

410  
00:22:36,700 --> 00:22:34,370  
we can use the land to make lots and

411  
00:22:38,799 --> 00:22:36,710  
lots of cows but cows aren't the only

412  
00:22:40,510 --> 00:22:38,809  
things that drink water and eat grass so

413  
00:22:43,720 --> 00:22:40,520

we accidentally start making lots of

414

00:22:46,030 --> 00:22:43,730

kangaroos and also rabbits and horses

415

00:22:48,520 --> 00:22:46,040

and camels and pigs and you get the idea

416

00:22:50,980 --> 00:22:48,530

suddenly we have animals everywhere and

417

00:22:53,860 --> 00:22:50,990

then all the food is gone and it becomes

418

00:22:55,390 --> 00:22:53,870

a lot harder to make cows the way this

419

00:22:57,400 --> 00:22:55,400

is generally handled is through

420

00:22:59,260 --> 00:22:57,410

eradication programs for the invasive

421

00:23:01,060 --> 00:22:59,270

species and through culling for

422

00:23:05,080 --> 00:23:01,070

population control of the native species

423

00:23:06,880 --> 00:23:05,090

to some people this might seem harsh but

424

00:23:08,080 --> 00:23:06,890

we need to remember that it's exactly

425

00:23:10,720 --> 00:23:08,090

the same thing that we do in our own

426

00:23:13,150 --> 00:23:10,730

homes we build a nice little habitat

427

00:23:15,100 --> 00:23:13,160

that we like to live in we grow gardens

428

00:23:18,100 --> 00:23:15,110

full of plants that we like to look at

429

00:23:20,830 --> 00:23:18,110

and smell and eat and then the animals

430

00:23:23,290 --> 00:23:20,840

move in and we don't like that sure we

431

00:23:24,700 --> 00:23:23,300

like the birds and the lizards but not

432

00:23:26,950 --> 00:23:24,710

many people want to share their kitchen

433

00:23:30,070 --> 00:23:26,960

with ants and cockroaches or let the

434

00:23:32,590 --> 00:23:30,080

snails and slugs have their flowers so

435

00:23:34,870 --> 00:23:32,600

we routinely cull large numbers of both

436

00:23:38,440 --> 00:23:34,880

native and non-native animals when they

437

00:23:39,880 --> 00:23:38,450

enter our homes and our Gardens of

438

00:23:41,530 --> 00:23:39,890

course there are other ways that we can

439

00:23:44,230 --> 00:23:41,540

learn to live with the animals around us

440

00:23:46,030 --> 00:23:44,240

if we clean up our crumbs maybe the ants

441

00:23:47,710 --> 00:23:46,040

won't come inside and if we fence the

442

00:23:48,470 --> 00:23:47,720

gardens maybe the Kangaroos will stay

443

00:23:51,289 --> 00:23:48,480

out

444

00:23:53,600 --> 00:23:51,299

but realistically we know that this only

445

00:23:55,490 --> 00:23:53,610

works for some of the time when it stops

446

00:23:57,710 --> 00:23:55,500

raining the ants will still come inside

447

00:23:59,360 --> 00:23:57,720

looking for food and water and if it

448

00:24:01,909 --> 00:23:59,370

rains too much they'll come in looking

449

00:24:03,950 --> 00:24:01,919

for high ground when the Kangaroos are

450

00:24:07,400 --> 00:24:03,960

hungry enough no fence is going to keep

451  
00:24:09,289 --> 00:24:07,410  
them out so when our food supply and our

452  
00:24:11,659 --> 00:24:09,299  
livelihood depends on competing with

453  
00:24:12,230 --> 00:24:11,669  
animals that want our resources we fight

454  
00:24:14,510 --> 00:24:12,240  
back

455  
00:24:16,520 --> 00:24:14,520  
sometimes with fences sometimes with

456  
00:24:20,000 --> 00:24:16,530  
chemical weapons and sometimes with

457  
00:24:22,130 --> 00:24:20,010  
bullets but what do we do when the wild

458  
00:24:25,340 --> 00:24:22,140  
things turn up on mass to reclaim their

459  
00:24:28,130 --> 00:24:25,350  
land as usual I can't tell you what we

460  
00:24:30,440 --> 00:24:28,140  
should do when large numbers of native

461  
00:24:33,620 --> 00:24:30,450  
animals want the same resources as us

462  
00:24:35,780 --> 00:24:33,630  
but I can tell you what we did do about

463  
00:24:37,940 --> 00:24:35,790

75 years ago when it happened

464

00:24:40,340 --> 00:24:37,950

and I'll even go as far as to suggest

465

00:24:41,440 --> 00:24:40,350

that this is not the answer don't try

466

00:24:45,260 --> 00:24:41,450

this at home

467

00:24:47,030 --> 00:24:45,270

so after World War one British and

468

00:24:48,860 --> 00:24:47,040

Australian soldiers were given land in

469

00:24:51,470 --> 00:24:48,870

Western Australia to live on and to grow

470

00:24:53,090 --> 00:24:51,480

crops they did this pretty well they

471

00:24:55,549 --> 00:24:53,100

irrigated the land they grew lots of

472

00:24:57,710 --> 00:24:55,559

wheat and most importantly they put

473

00:24:59,650 --> 00:24:57,720

water access points all around the place

474

00:25:01,299 --> 00:24:59,660

to generally make conditions pretty good

475

00:25:03,980 --> 00:25:01,309

- good

476

00:25:06,350 --> 00:25:03,990

Amyas normally live in the bush near the

477

00:25:08,450 --> 00:25:06,360

farmland and migrate away every year to

478

00:25:10,640 --> 00:25:08,460

the coast but due to some terrible

479

00:25:14,270 --> 00:25:10,650

politics a drought and a depression

480

00:25:16,460 --> 00:25:14,280

wheat prices dropped so low that in 1932

481

00:25:18,350 --> 00:25:16,470

many farmers didn't even bother to

482

00:25:20,200 --> 00:25:18,360

harvest their crops instead they just

483

00:25:23,390 --> 00:25:20,210

left them lying in the fields

484

00:25:25,880 --> 00:25:23,400

now generally amis breed inland and then

485

00:25:27,289 --> 00:25:25,890

head to the coast afterwards but when

486

00:25:30,260 --> 00:25:27,299

roughly 20,000

487

00:25:32,720 --> 00:25:30,270

EMU's stumbled across a massive supply

488

00:25:34,900 --> 00:25:32,730

of free food interspersed with free

489

00:25:38,780 --> 00:25:34,910

water and nice soft places to lay down

490

00:25:40,070 --> 00:25:38,790

happy days they decided to vacation in

491

00:25:42,590 --> 00:25:40,080

the wheat fields rather than at the

492

00:25:44,060 --> 00:25:42,600

beach of course the people who worked

493

00:25:45,860 --> 00:25:44,070

the land where the emus were having

494

00:25:47,180 --> 00:25:45,870

their impromptu vacation weren't too

495

00:25:50,150 --> 00:25:47,190

impressed with all these unwanted

496

00:25:51,890 --> 00:25:50,160

invaders busting down fences taking all

497

00:25:54,560 --> 00:25:51,900

the resources and generally overstaying

498

00:25:56,720 --> 00:25:54,570

their welcome the ex-soldiers turned

499

00:25:58,909 --> 00:25:56,730

farmers tried to defend their crops and

500

00:26:01,490 --> 00:25:58,919

their livelihoods themselves but there

501  
00:26:02,430 --> 00:26:01,500  
were 20,000 hungry emus and they didn't

502  
00:26:05,340 --> 00:26:02,440  
stand a chance

503  
00:26:07,560 --> 00:26:05,350  
so the farmers asked for help but they

504  
00:26:09,270 --> 00:26:07,570  
didn't ask an ecologist who might

505  
00:26:10,470 --> 00:26:09,280  
understand the situation and have some

506  
00:26:13,670 --> 00:26:10,480  
insights into how to manipulate

507  
00:26:16,290 --> 00:26:13,680  
resources or behaviors to improve it and

508  
00:26:18,780 --> 00:26:16,300  
they didn't ask a zoologist who might

509  
00:26:21,330 --> 00:26:18,790  
understand Emme biology or behavior and

510  
00:26:23,400 --> 00:26:21,340  
have some insights on how to control or

511  
00:26:25,890 --> 00:26:23,410  
manage a large flock of birds that's in

512  
00:26:27,780 --> 00:26:25,900  
a place that it isn't wanted they didn't

513  
00:26:29,280 --> 00:26:27,790

even ask an animal control expert who

514

00:26:31,500 --> 00:26:29,290

might know something about how to kill

515

00:26:34,620 --> 00:26:31,510

large flightless yep flighty birds that

516

00:26:36,900 --> 00:26:34,630

don't want to leave instead they stuck

517

00:26:39,450 --> 00:26:36,910

within their own area of expertise which

518

00:26:40,620 --> 00:26:39,460

is fighting other humans they asked the

519

00:26:42,840 --> 00:26:40,630

military for help

520

00:26:45,360 --> 00:26:42,850

failing to understand that emus neither

521

00:26:47,550 --> 00:26:45,370

flock like cows nor flee like people and

522

00:26:51,390 --> 00:26:47,560

fighting them is not the same thing as

523

00:26:55,110 --> 00:26:51,400

fighting humans this might sound like a

524

00:26:57,210 --> 00:26:55,120

joke but it's really not and this is

525

00:26:58,680 --> 00:26:57,220

what we do when we're confronted with a

526  
00:27:00,060 --> 00:26:58,690  
challenging situation and we're

527  
00:27:03,330 --> 00:27:00,070  
desperate and we're afraid we're going

528  
00:27:07,440 --> 00:27:03,340  
to lose all of our food and those scary

529  
00:27:11,160 --> 00:27:07,450  
invaders are coming we turn to what we

530  
00:27:15,320 --> 00:27:11,170  
know and in 1932 what the farmers knew

531  
00:27:17,940 --> 00:27:15,330  
was war so we declared war on the emus

532  
00:27:20,730 --> 00:27:17,950  
now if you think amuse and nothing more

533  
00:27:21,720 --> 00:27:20,740  
than large funny-looking chickens I want

534  
00:27:24,540 --> 00:27:21,730  
to clear that out right now

535  
00:27:26,700 --> 00:27:24,550  
they may have long skinny legs and tiny

536  
00:27:29,370 --> 00:27:26,710  
dumb wings and build goofy and fluffy

537  
00:27:31,350 --> 00:27:29,380  
but so were the dinosaurs and underneath

538  
00:27:33,270 --> 00:27:31,360

all those feathers they pack one hell of

539

00:27:35,580 --> 00:27:33,280

a punch to the poor unsuspecting zoo

540

00:27:37,440 --> 00:27:35,590

keeper on their first week of work who

541

00:27:39,420 --> 00:27:37,450

forgot to bring the rake that day and

542

00:27:42,000 --> 00:27:39,430

was confronted by a horny EMU with no

543

00:27:43,890 --> 00:27:42,010

fear of humans not that I would know

544

00:27:47,430 --> 00:27:43,900

anything about that or harbor any

545

00:27:49,830 --> 00:27:47,440

unresolved feelings but that is where we

546

00:27:51,870 --> 00:27:49,840

were we decided that the best way to

547

00:27:53,550 --> 00:27:51,880

deal with an interrupted migration of

548

00:27:55,650 --> 00:27:53,560

our national emblem was to kill them

549

00:28:00,300 --> 00:27:55,660

with machine guns so that's what they

550

00:28:02,430 --> 00:28:00,310

tried to do emphasis on tried it turns

551  
00:28:03,870 --> 00:28:02,440  
out that when scared hungry animals are

552  
00:28:05,880 --> 00:28:03,880  
suddenly attacked and they don't

553  
00:28:09,120 --> 00:28:05,890  
understand what's happening they run

554  
00:28:12,060 --> 00:28:09,130  
away but they don't run as a mob the way

555  
00:28:14,910 --> 00:28:12,070  
the people expected them to run they run

556  
00:28:15,810 --> 00:28:14,920  
like emus which means the flock splits

557  
00:28:17,759 --> 00:28:15,820  
up into small

558  
00:28:20,430 --> 00:28:17,769  
and every mob runs in a different

559  
00:28:23,369 --> 00:28:20,440  
direction that wasn't in the battle plan

560  
00:28:25,049 --> 00:28:23,379  
and neither was weapon failure but when

561  
00:28:27,840 --> 00:28:25,059  
they were relying entirely on two

562  
00:28:30,509 --> 00:28:27,850  
machine guns against 20,000 emus with

563  
00:28:32,820 --> 00:28:30,519

unorthodox retreat tactics they were

564

00:28:35,340 --> 00:28:32,830

destined for failure and the emus ran

565

00:28:37,469 --> 00:28:35,350

off and just ate some wheat a little bit

566

00:28:39,419 --> 00:28:37,479

further away they tried to improve their

567

00:28:40,830 --> 00:28:39,429

odds by making better weapons they

568

00:28:42,749 --> 00:28:40,840

mounted their guns on the back of a

569

00:28:45,090 --> 00:28:42,759

truck and drove around trying to shoot

570

00:28:46,979 --> 00:28:45,100

the emus at high speed but it turns out

571

00:28:48,419 --> 00:28:46,989

emus are actually better at running over

572

00:28:51,629 --> 00:28:48,429

rough ground than large trucks and

573

00:28:53,339 --> 00:28:51,639

shooting at them from a military truck

574

00:28:55,859 --> 00:28:53,349

that's bouncing around over rocks and

575

00:28:57,690 --> 00:28:55,869

hills is actually pretty hard it should

576

00:28:59,489 --> 00:28:57,700

be noted at this point that when the

577

00:29:01,799 --> 00:28:59,499

Australian military declared war on the

578

00:29:04,950 --> 00:29:01,809

emus it wasn't a decision that was

579

00:29:07,080 --> 00:29:04,960

supported by all the people they made

580

00:29:09,239 --> 00:29:07,090

some very bad decisions killed some very

581

00:29:11,009 --> 00:29:09,249

confused Ami's and made themselves very

582

00:29:13,489 --> 00:29:11,019

unpopular with the general population

583

00:29:15,719 --> 00:29:13,499

who didn't want the emus killed and

584

00:29:17,359 --> 00:29:15,729

lucky for them that wasn't actually

585

00:29:20,310 --> 00:29:17,369

happening very much anyway

586

00:29:22,619 --> 00:29:20,320

at the end of the campaign they manage

587

00:29:25,460 --> 00:29:22,629

to kill roughly 5% of the invading Birds

588

00:29:28,080 --> 00:29:25,470

but it cost them 10 rounds per kill and

589

00:29:30,629 --> 00:29:28,090

most of their dignity before the

590

00:29:33,359 --> 00:29:30,639

eventual surrender and the emus declared

591

00:29:35,879 --> 00:29:33,369

victory after that they gave up on the

592

00:29:38,159 --> 00:29:35,889

ME war and the surviving 95% of the

593

00:29:40,889 --> 00:29:38,169

local population hung around ate crops

594

00:29:43,200 --> 00:29:40,899

and made more emus in later years

595

00:29:45,659 --> 00:29:43,210

bounties were introduced and EMU numbers

596

00:29:48,239 --> 00:29:45,669

were slowly reduced to more sustainable

597

00:29:50,089 --> 00:29:48,249

levels so that we could share the land

598

00:29:52,649 --> 00:29:50,099

without having to give up our crops

599

00:29:56,070 --> 00:29:52,659

these days we have a fairly uneasy truce

600

00:29:57,899 --> 00:29:56,080

in place amuse our protected species and

601  
00:30:00,239 --> 00:29:57,909  
with the help of some better fencing

602  
00:30:02,549 --> 00:30:00,249  
technology and by ensuring that there's

603  
00:30:04,919 --> 00:30:02,559  
enough land out there for the emus to

604  
00:30:07,409 --> 00:30:04,929  
get by without our wheat things are

605  
00:30:09,060 --> 00:30:07,419  
going fairly ok but we live in fear of

606  
00:30:11,339 --> 00:30:09,070  
the day that the emus look over the

607  
00:30:13,320 --> 00:30:11,349  
fence and realize that the wheat really

608  
00:30:15,220 --> 00:30:13,330  
is greener on the other side and they

609  
00:30:20,500 --> 00:30:15,230  
might decide to just come take some

610  
00:30:26,420 --> 00:30:23,660  
the lesson that I take away from this is

611  
00:30:29,150 --> 00:30:26,430  
that when we mess with an ecosystem we

612  
00:30:32,180 --> 00:30:29,160  
can't always control what happens oh and

613  
00:30:33,800 --> 00:30:32,190

when ecology goes bad and listing the

614

00:30:35,720 --> 00:30:33,810

military to declare war on nature

615

00:30:36,480 --> 00:30:35,730

probably isn't going to make things any

616

00:30:51,950 --> 00:30:36,490

better

617

00:30:51,960 --> 00:30:58,720

[Applause]

618

00:31:04,039 --> 00:31:00,379

hey Richard

619

00:31:05,480 --> 00:31:04,049

oh hi Trish hi would you like a coffee

620

00:31:07,759 --> 00:31:05,490

yeah thanks what are you working on I'm

621

00:31:10,060 --> 00:31:07,769

trying to come up with a new promo to

622

00:31:13,519 --> 00:31:10,070

play on the sceptic zone who's it for

623

00:31:16,039 --> 00:31:13,529

good thinking Society in the UK you know

624

00:31:17,659 --> 00:31:16,049

the oh yeah I know them the guys who

625

00:31:19,789 --> 00:31:17,669

recently chased the homeopaths out of

626

00:31:21,710 --> 00:31:19,799

the UK public health system oh did they

627

00:31:22,909 --> 00:31:21,720

yeah they campaigned and lobbied

628

00:31:26,060 --> 00:31:22,919

government for a while and now you

629

00:31:27,379 --> 00:31:26,070

cannot get homeopathy on the NHS so they

630

00:31:29,389 --> 00:31:27,389

can now spend public money on health

631

00:31:31,759 --> 00:31:29,399

care that works Yeah right look I'll

632

00:31:36,320 --> 00:31:31,769

mention that in the promo now their

633

00:31:38,180 --> 00:31:36,330

website is good thinking Society org and

634

00:31:40,639 --> 00:31:38,190

that website is a good resource for

635

00:31:42,139 --> 00:31:40,649

learning more about quackery thanks

636

00:31:47,060 --> 00:31:42,149

Trish that gives me something good to

637

00:32:03,690 --> 00:31:55,010

[Music]

638

00:32:06,180 --> 00:32:03,700

now we we're walking down third Street

639

00:32:08,190 --> 00:32:06,190

here in San Francisco what a great lunch

640

00:32:10,920 --> 00:32:08,200

I just had with my old friend Mario

641

00:32:12,930 --> 00:32:10,930

shirt lender hello hello it's so great

642

00:32:15,030 --> 00:32:12,940

to have you here again thank you now

643

00:32:16,410 --> 00:32:15,040

skipping zone listeners and I'll link in

644

00:32:18,600 --> 00:32:16,420

the show notes may well remember a

645

00:32:21,600 --> 00:32:18,610

couple years back we had a chat to Mario

646

00:32:23,430 --> 00:32:21,610

about the flat earth that's right yes in

647

00:32:24,840 --> 00:32:23,440

your article you world your article your

648

00:32:27,750 --> 00:32:24,850

interview ended up in the skeptic

649

00:32:28,950 --> 00:32:27,760

magazine as as a featured article yeah

650

00:32:31,740 --> 00:32:28,960

that was a lot of fun

651

00:32:34,140 --> 00:32:31,750

and thank you for giving me the

652

00:32:37,880 --> 00:32:34,150

opportunity to be an A flat publication

653

00:32:40,080 --> 00:32:37,890

not a published author well so to speak

654

00:32:43,260 --> 00:32:40,090

well what's the latest on the Flat Earth

655

00:32:44,880 --> 00:32:43,270

surely it's all gone away now and it was

656

00:32:47,669 --> 00:32:44,890

a big joke and nobody believes it

657

00:32:52,410 --> 00:32:47,679

anymore it was a big fat joke flat round

658

00:32:55,200 --> 00:32:52,420

joke no if only yeah I mean it died down

659

00:32:56,700 --> 00:32:55,210

a little bit and then it keeps coming in

660

00:32:59,760 --> 00:32:56,710

waves it depends usually it's when

661

00:33:02,549 --> 00:32:59,770

someone famous decides to challenge the

662

00:33:04,320 --> 00:33:02,559

institution and you know say that the

663

00:33:05,669 --> 00:33:04,330

world is flat and then everybody's you

664

00:33:08,700 --> 00:33:05,679

know there's a discussion then I start

665

00:33:10,770 --> 00:33:08,710

getting mentions and you know people

666

00:33:12,390 --> 00:33:10,780

thinking that oh there's something that

667

00:33:15,660 --> 00:33:12,400

you didn't think about and you know

668

00:33:18,750 --> 00:33:15,670

point it out but I just got an email I

669

00:33:20,520 --> 00:33:18,760

think a week ago from a random person

670

00:33:22,169 --> 00:33:20,530

that read the article and decided to

671

00:33:26,310 --> 00:33:22,179

write to me and tell me exactly where I

672

00:33:28,700 --> 00:33:26,320

got it wrong and I think the first

673

00:33:33,450 --> 00:33:28,710

paragraph starts with like something

674

00:33:35,250 --> 00:33:33,460

atrociously wrong on its own yeah it's

675

00:33:37,830 --> 00:33:35,260

just it just happens I just stopped

676

00:33:38,640 --> 00:33:37,840

answering honestly it's it just stopped

677

00:33:40,150 --> 00:33:38,650

being worth it

678

00:33:43,000 --> 00:33:40,160

who to

679

00:33:45,160 --> 00:33:43,010

just waste time answering yeah I I know

680

00:33:47,440 --> 00:33:45,170

what you mean I mean it's important for

681

00:33:49,450 --> 00:33:47,450

people like you and me and all skeptics

682

00:33:51,880 --> 00:33:49,460

to see what other people think what they

683

00:33:54,220 --> 00:33:51,890

write but then there comes a stage where

684

00:33:56,290 --> 00:33:54,230

I think it does your sanity a lot of

685

00:34:01,210 --> 00:33:56,300

harm to keep reading the drivel you know

686

00:34:03,850 --> 00:34:01,220

and some of its just confused hardly

687

00:34:06,580 --> 00:34:03,860

intelligible drivel really yeah and and

688

00:34:08,590 --> 00:34:06,590

you know what I started reading the the

689

00:34:10,840 --> 00:34:08,600

email and it was very clear to me from

690

00:34:13,270 --> 00:34:10,850

the start that he didn't actually read

691

00:34:16,060 --> 00:34:13,280

the article so if you know sometimes I

692

00:34:17,940 --> 00:34:16,070

get questions from maybe you could see

693

00:34:21,070 --> 00:34:17,950

that it's like a kid or someone who's

694

00:34:23,800 --> 00:34:21,080

genuinely confused and then maybe I'll

695

00:34:25,570 --> 00:34:23,810

answer and I'll participate but that

696

00:34:27,760 --> 00:34:25,580

that email you could see that they

697

00:34:29,500 --> 00:34:27,770

clearly didn't read anything oh this way

698

00:34:31,930 --> 00:34:29,510

okay yeah we just where are we we're on

699

00:34:34,840 --> 00:34:31,940

the corner of well Indian Market Street

700

00:34:37,930 --> 00:34:34,850

Kearney and something else crossing over

701  
00:34:40,360 --> 00:34:37,940  
it's a nice winter's day here in San

702  
00:34:40,780 --> 00:34:40,370  
Francisco it's Cleveland there's a chill

703  
00:34:43,900 --> 00:34:40,790  
in the air

704  
00:34:46,750 --> 00:34:43,910  
anyway I'm glad I've had the opportunity

705  
00:34:49,480 --> 00:34:46,760  
to meet up with you once again Mario

706  
00:34:50,200 --> 00:34:49,490  
because and I'm really looking forward

707  
00:34:52,570 --> 00:34:50,210  
to this

708  
00:34:55,870 --> 00:34:52,580  
you have probably one of the most

709  
00:35:00,010 --> 00:34:55,880  
interesting jobs I can think about and

710  
00:35:03,460 --> 00:35:00,020  
also best let you describe what you do

711  
00:35:06,250 --> 00:35:03,470  
so I'm a software engineer and I lead

712  
00:35:09,310 --> 00:35:06,260  
two teams the technical teams there we

713  
00:35:11,860 --> 00:35:09,320

commedia Foundation and we operate a

714

00:35:14,830 --> 00:35:11,870

small website that you may have heard

715

00:35:18,550 --> 00:35:14,840

about maybe you've used that sometimes

716

00:35:21,430 --> 00:35:18,560

called Wikipedia well what's a wiki what

717

00:35:23,590 --> 00:35:21,440

what a wickedly of course well that's

718

00:35:26,710 --> 00:35:23,600

impressive my goodness me I mean I use

719

00:35:28,990 --> 00:35:26,720

it frequently and I must say frequently

720

00:35:31,240 --> 00:35:29,000

it's full of people saying the Earth's

721

00:35:35,260 --> 00:35:31,250

flat by the way it does have those

722

00:35:37,390 --> 00:35:35,270

occasionally but thankfully they need to

723

00:35:39,730 --> 00:35:37,400

bring citations to everything they say

724

00:35:41,680 --> 00:35:39,740

and that's where they fail ah and we

725

00:35:43,310 --> 00:35:41,690

hear that more and more so it's a

726

00:35:46,280 --> 00:35:43,320

citation needed

727

00:35:48,620 --> 00:35:46,290

yes that is the tenant I think that you

728

00:35:52,340 --> 00:35:48,630

know the Wikipedia exists on right like

729

00:35:54,650 --> 00:35:52,350

everything needs to be cited and you

730

00:35:58,340 --> 00:35:54,660

know well established so that everybody

731

00:36:01,960 --> 00:35:58,350

can enjoy actual information and not

732

00:36:04,190 --> 00:36:01,970

just opinions or guessing around so

733

00:36:07,940 --> 00:36:04,200

walking along we're just on the corner

734

00:36:09,880 --> 00:36:07,950

of Kearny and post if people are

735

00:36:12,110 --> 00:36:09,890

following us on their map on their

736

00:36:13,370 --> 00:36:12,120

Google map maybe I don't know because we

737

00:36:15,710 --> 00:36:13,380

were just chatting about giant

738

00:36:18,080 --> 00:36:15,720

software's and internet corporations

739

00:36:22,520 --> 00:36:18,090

before Google and Facebook and and

740

00:36:24,260 --> 00:36:22,530

what-have-you and yes a few people

741

00:36:27,920 --> 00:36:24,270

downtown it's not like the big tourist

742

00:36:29,360 --> 00:36:27,930

season no at the moment and so your

743

00:36:32,780 --> 00:36:29,370

office is down the street 'old away

744

00:36:36,260 --> 00:36:32,790

that's it this is it this is aqua we're

745

00:36:40,370 --> 00:36:36,270

right here as we turn into the post

746

00:36:46,530 --> 00:36:43,490

through the glass doors thank you oh

747

00:36:49,440 --> 00:36:46,540

that's nice and now we're gonna go up

748

00:36:52,200 --> 00:36:49,450

the elevator this day just gets better

749

00:36:55,860 --> 00:36:52,210

and better I know it's a very complex

750

00:36:59,730 --> 00:36:55,870

entrance through a door into elevators

751

00:37:05,060 --> 00:36:59,740

ooh a swipe card this is this tells you

752

00:37:12,030 --> 00:37:08,850

I think moved here two years ago a year

753

00:37:14,160 --> 00:37:12,040

ago and the elevators don't have buttons

754

00:37:16,020 --> 00:37:14,170

I don't know if you can see that there's

755

00:37:18,270 --> 00:37:16,030

no buttons no there's door opening

756

00:37:18,900 --> 00:37:18,280

buttons and emergency button but that's

757

00:37:20,730 --> 00:37:18,910

about it

758

00:37:23,100 --> 00:37:20,740

yeah that's because they read your card

759

00:37:26,700 --> 00:37:23,110

and they decide where to go for better

760

00:37:29,220 --> 00:37:26,710

or worse so you can't pop down to

761

00:37:33,360 --> 00:37:29,230

another floor to see someone no no

762

00:37:35,010 --> 00:37:33,370

unless you have the access card this is

763

00:37:41,040 --> 00:37:35,020

this is getting to be a little bit too

764

00:37:43,200 --> 00:37:41,050

high-tech around here there it is we can

765

00:37:45,210 --> 00:37:43,210

media foundation how about that all

766

00:37:49,630 --> 00:37:45,220

right we'll go in and we'll continue in

767

00:37:55,370 --> 00:37:52,370

just had me the tour of the the

768

00:37:57,470 --> 00:37:55,380

Wikimedia here in San Francisco and lots

769

00:37:59,600 --> 00:37:57,480

of very friendly people was fascinating

770

00:38:02,450 --> 00:37:59,610

and we're up what fifteen stories I

771

00:38:04,340 --> 00:38:02,460

think 1616 and we'll just sit down a

772

00:38:08,450 --> 00:38:04,350

little little private corner here with a

773

00:38:11,510 --> 00:38:08,460

giant window overlooking downtown San

774

00:38:13,040 --> 00:38:11,520

Francisco and it's just mesmerizing I've

775

00:38:15,470 --> 00:38:13,050

never I've never been up high in a

776

00:38:18,620 --> 00:38:15,480

building in San Francisco and I noticed

777

00:38:20,210 --> 00:38:18,630

walking around almost everybody has a

778

00:38:22,220 --> 00:38:20,220

million-dollar view to look out of the

779

00:38:25,430 --> 00:38:22,230

window how on earth do you concentrate

780

00:38:28,670 --> 00:38:25,440

on doing wiki work I know I think that

781

00:38:31,730 --> 00:38:28,680

we look out the window a lot it's

782

00:38:34,750 --> 00:38:31,740

important yes doing it now you're right

783

00:38:37,430 --> 00:38:34,760

here but I keep craning my neck over wow

784

00:38:38,930 --> 00:38:37,440

how much to take a picture there's a bus

785

00:38:40,430 --> 00:38:38,940

for your health though when you work a

786

00:38:41,870 --> 00:38:40,440

lot on the computer to kind of shift

787

00:38:44,150 --> 00:38:41,880

your view for a couple of minutes

788

00:38:46,070 --> 00:38:44,160

outside and then go back so that's a

789

00:38:48,320 --> 00:38:46,080

very good thing that we have those those

790

00:38:50,300 --> 00:38:48,330

big windows here I will say though I

791

00:38:52,730 --> 00:38:50,310

might share is very close to one of

792

00:38:55,490 --> 00:38:52,740

those windows and at first there was no

793

00:38:57,860 --> 00:38:55,500

there's like a safety bar here where we

794

00:38:59,630 --> 00:38:57,870

said but there's a couple of windows

795

00:39:00,740 --> 00:38:59,640

that don't have that safety bar and I

796

00:39:02,810 --> 00:39:00,750

have to say it makes all the difference

797

00:39:04,250 --> 00:39:02,820

because if you don't notice for a minute

798

00:39:06,020 --> 00:39:04,260

you don't look you know at the window

799

00:39:08,840 --> 00:39:06,030

and then some of you do look a little

800

00:39:10,310 --> 00:39:08,850

down your heart jumps about like you

801  
00:39:12,380 --> 00:39:10,320  
know just the the height that where you

802  
00:39:13,550 --> 00:39:12,390  
are yeah well it's quite staggering we

803  
00:39:15,860 --> 00:39:13,560  
were sitting in a comfortable chair

804  
00:39:17,660 --> 00:39:15,870  
there's a question and I'm leaning over

805  
00:39:20,240 --> 00:39:17,670  
now and I can almost see straight down

806  
00:39:22,250 --> 00:39:20,250  
but I'm not getting the sense of its

807  
00:39:24,560 --> 00:39:22,260  
because of the bar if we go to a window

808  
00:39:26,480 --> 00:39:24,570  
without a bar isn't that interesting

809  
00:39:27,920 --> 00:39:26,490  
isn't that interesting it's not to start

810  
00:39:31,730 --> 00:39:27,930  
screaming at you that there's nothing to

811  
00:39:34,220 --> 00:39:31,740  
hold on to so please tell tell the

812  
00:39:37,480 --> 00:39:34,230  
audience a little bit about what you do

813  
00:39:39,710 --> 00:39:37,490

here at Wikimedia so I lead two teams

814

00:39:42,290 --> 00:39:39,720

I'm a technical lead of the

815

00:39:45,080 --> 00:39:42,300

anti-harassment tools team so we are

816

00:39:47,360 --> 00:39:45,090

working as the name sounds we're working

817

00:39:49,550 --> 00:39:47,370

on giving tools to make sure that the

818

00:39:51,410 --> 00:39:49,560

experience of editors and users in

819

00:39:55,280 --> 00:39:51,420

general all of our websites including

820

00:39:57,050 --> 00:39:55,290

Wikipedia is is much better and that

821

00:39:59,540 --> 00:39:57,060

we're giving the proper tools to enable

822

00:40:00,740 --> 00:39:59,550

and like the social changes that are

823

00:40:03,829 --> 00:40:00,750

needed

824

00:40:09,200 --> 00:40:03,839

and the other team is the community tech

825

00:40:12,800 --> 00:40:09,210

team so we run every year a wish list

826

00:40:16,309 --> 00:40:12,810

where users of all of our projects can

827

00:40:17,660 --> 00:40:16,319

go in and kind of suggest features that

828

00:40:19,490 --> 00:40:17,670

they want or suggest that kind of

829

00:40:21,109 --> 00:40:19,500

projects that they want and there's a

830

00:40:22,609 --> 00:40:21,119

you know wish list

831

00:40:23,839 --> 00:40:22,619

period of time where they suggest and

832

00:40:26,210 --> 00:40:23,849

then a period of time where they vote

833

00:40:30,050 --> 00:40:26,220

and then that you know usually we get

834

00:40:31,280 --> 00:40:30,060

about the top 10 that we implement for

835

00:40:34,130 --> 00:40:31,290

them and make their life easier

836

00:40:37,010 --> 00:40:34,140

hopefully mm-hmm well listeners to the

837

00:40:39,290 --> 00:40:37,020

skip exam well no and because she's on

838

00:40:41,329 --> 00:40:39,300

this very episode of course susan gerbic

839

00:40:45,740 --> 00:40:41,339

from guerrilla skepticism on wikipedia

840

00:40:47,540 --> 00:40:45,750

and she's a lady who didn't know what

841

00:40:49,220 --> 00:40:47,550

would happen in her life and she got

842

00:40:51,710 --> 00:40:49,230

stuck into Wikipedia and it's really

843

00:40:54,740 --> 00:40:51,720

transformed her life but Wikipedia

844

00:40:58,670 --> 00:40:54,750

itself is it's enormous isn't it it's

845

00:41:01,309 --> 00:40:58,680

just it's hard to comprehend the scope

846

00:41:03,260 --> 00:41:01,319

of Wikipedia yeah we have so I think a

847

00:41:05,690 --> 00:41:03,270

lot of people don't know that we have we

848

00:41:07,520 --> 00:41:05,700

support I'm hoping not to get that

849

00:41:10,940 --> 00:41:07,530

number of wrong but it's about 380

850

00:41:12,740 --> 00:41:10,950

languages and each one of those

851  
00:41:14,210 --> 00:41:12,750  
languages is its own community so it's

852  
00:41:16,280 --> 00:41:14,220  
not like we have one community that then

853  
00:41:18,050 --> 00:41:16,290  
translates its like each one so Spanish

854  
00:41:19,730 --> 00:41:18,060  
Wikipedia is its own community English

855  
00:41:23,180 --> 00:41:19,740  
Wikipedia is its own community that have

856  
00:41:24,650 --> 00:41:23,190  
its own rules and stuff like that and on

857  
00:41:27,680 --> 00:41:24,660  
top of that we don't have to just have

858  
00:41:29,599 --> 00:41:27,690  
Wikipedia we also have ten other

859  
00:41:32,660 --> 00:41:29,609  
projects which I'm going to forget some

860  
00:41:34,700 --> 00:41:32,670  
now but we have Wiki Commons which is

861  
00:41:37,940 --> 00:41:34,710  
where you know free images freely

862  
00:41:40,609 --> 00:41:37,950  
license image I use that yeah if if if

863  
00:41:43,490 --> 00:41:40,619

you go to skip exam dot TV and scroll to

864

00:41:45,829 --> 00:41:43,500

the bottom of this the page for this

865

00:41:47,660 --> 00:41:45,839

podcast you'll see a couple of origami

866

00:41:49,010 --> 00:41:47,670

images that I put up but people can

867

00:41:50,690 --> 00:41:49,020

download and their own wiki Commons

868

00:41:52,940 --> 00:41:50,700

which is a convenient place to put them

869

00:41:54,530 --> 00:41:52,950

yeah and it's part of our thing of

870

00:41:57,319 --> 00:41:54,540

sharing knowledge sharing images and

871

00:42:00,920 --> 00:41:57,329

free images so every Commons we have

872

00:42:02,960 --> 00:42:00,930

things like Wiktionary which is the free

873

00:42:04,970 --> 00:42:02,970

dictionary we have wikispecies we have a

874

00:42:09,589 --> 00:42:04,980

key books we have a key source so we

875

00:42:13,400 --> 00:42:09,599

have about 11 projects and almost each

876  
00:42:14,299 --> 00:42:13,410  
one of them has 380 languages so overall

877  
00:42:16,819 --> 00:42:14,309  
we have about nine

878  
00:42:21,319 --> 00:42:16,829  
hundred websites that we are kind of

879  
00:42:24,079 --> 00:42:21,329  
operating each basically their own more

880  
00:42:26,539 --> 00:42:24,089  
or less their own community with well so

881  
00:42:29,660 --> 00:42:26,549  
it's very very big and you were telling

882  
00:42:32,120 --> 00:42:29,670  
me before that this whole place much

883  
00:42:34,910 --> 00:42:32,130  
like the skeptic zone I hasten to to say

884  
00:42:36,739 --> 00:42:34,920  
couldn't exist without donations and

885  
00:42:38,660 --> 00:42:36,749  
contributions we are a hundred percent

886  
00:42:41,660 --> 00:42:38,670  
donation based yes that's a hundred

887  
00:42:44,209 --> 00:42:41,670  
percent amazing yeah you know if people

888  
00:42:47,329 --> 00:42:44,219

think of the scope of what Wikipedia we

889

00:42:49,429 --> 00:42:47,339

can media do it's mind-blowing and and

890

00:42:51,439 --> 00:42:49,439

it's because of the the support from the

891

00:42:53,120 --> 00:42:51,449

community a hundred percent yeah we have

892

00:42:54,679 --> 00:42:53,130

a promise to our users that way because

893

00:42:57,609 --> 00:42:54,689

once you stop using donations if you

894

00:43:00,349 --> 00:42:57,619

start using you know commercials or ads

895

00:43:02,719 --> 00:43:00,359

then the question about how much you're

896

00:43:05,120 --> 00:43:02,729

biased comes in right like because if

897

00:43:06,439 --> 00:43:05,130

someone pays for you know to put stuff

898

00:43:07,999 --> 00:43:06,449

on their content then maybe they don't

899

00:43:09,589 --> 00:43:08,009

like something you'll start editing for

900

00:43:12,589 --> 00:43:09,599

them and stuff like that so we have a

901  
00:43:14,660 --> 00:43:12,599  
promise to not ever do that and we're

902  
00:43:17,509 --> 00:43:14,670  
100% donation based that's fantastic

903  
00:43:19,069 --> 00:43:17,519  
because I as listeners now on the

904  
00:43:21,169 --> 00:43:19,079  
skeptics and there are commercial breaks

905  
00:43:24,739 --> 00:43:21,179  
every between every report and every

906  
00:43:27,140 --> 00:43:24,749  
segment you'll hear and bad but I'll say

907  
00:43:29,569 --> 00:43:27,150  
I don't I don't take a dime for those

908  
00:43:30,799 --> 00:43:29,579  
they're they're just I play those

909  
00:43:32,209 --> 00:43:30,809  
because I think they're the sort of

910  
00:43:33,919 --> 00:43:32,219  
things that people should know about and

911  
00:43:37,189 --> 00:43:33,929  
I like to support other podcasts first

912  
00:43:40,489 --> 00:43:37,199  
on and if people then decide to send

913  
00:43:41,689 --> 00:43:40,499

their money to another podcast but no

914

00:43:46,039 --> 00:43:41,699

it's because I think it's the right

915

00:43:47,989 --> 00:43:46,049

thing to do yeah yeah yeah no we are and

916

00:43:49,579 --> 00:43:47,999

and I think the important thing to kind

917

00:43:53,479 --> 00:43:49,589

of like remember also is that Wikipedia

918

00:43:55,189 --> 00:43:53,489

and again all the other websites they

919

00:43:56,689 --> 00:43:55,199

are run by the volunteers all over the

920

00:43:58,689 --> 00:43:56,699

world so what the Wikimedia Foundation

921

00:44:01,069 --> 00:43:58,699

is doing is supporting those communities

922

00:44:03,259 --> 00:44:01,079

and a lot of the employees here

923

00:44:05,239 --> 00:44:03,269

including me we are volunteers also in

924

00:44:07,579 --> 00:44:05,249

our like you know volunteer time like

925

00:44:09,529 --> 00:44:07,589

you know I do edit but that is my in my

926

00:44:12,589 --> 00:44:09,539

private capacity like you know as part

927

00:44:13,999 --> 00:44:12,599

of staff here we are not responsible for

928

00:44:15,859 --> 00:44:14,009

content we're not responding we're not

929

00:44:17,660 --> 00:44:15,869

touching those this is you know the

930

00:44:18,709 --> 00:44:17,670

communities do that we are responsible

931

00:44:20,120 --> 00:44:18,719

to make sure that they have the tools

932

00:44:22,039 --> 00:44:20,130

that they need that they have the

933

00:44:24,229 --> 00:44:22,049

support that they need that you know

934

00:44:25,430 --> 00:44:24,239

they're empowered to do that to make

935

00:44:27,349 --> 00:44:25,440

sure that our mission

936

00:44:29,359 --> 00:44:27,359

you know comes true will keep the

937

00:44:32,450 --> 00:44:29,369

backend going right that's right no no

938

00:44:34,910 --> 00:44:32,460

no wow how fascinating how lucky am I to

939

00:44:37,040 --> 00:44:34,920

get a little tour of this amazing place

940

00:44:38,750 --> 00:44:37,050

and again you know I'm not being rude

941

00:44:42,410 --> 00:44:38,760

but we keep looking out the window both

942

00:44:45,050 --> 00:44:42,420

of us because there goes the tram the F

943

00:44:46,819 --> 00:44:45,060

the F line yeah yeah there it goes so

944

00:44:48,440 --> 00:44:46,829

the waters down that way oh there's the

945

00:44:49,940 --> 00:44:48,450

hobart building i know that yes I've

946

00:44:52,880 --> 00:44:49,950

walked up and down there many many times

947

00:44:54,859 --> 00:44:52,890

and I met you for lunch right there

948

00:44:58,460 --> 00:44:54,869

right there and I can see near the

949

00:45:00,290 --> 00:44:58,470

escalator fantastic memorial again well

950

00:45:02,420 --> 00:45:00,300

it's such a treat to see you

951  
00:45:04,160 --> 00:45:02,430  
again because we're old friends since

952  
00:45:07,059 --> 00:45:04,170  
you stuck a pie in my face many years

953  
00:45:10,460 --> 00:45:07,069  
ago we were just remembering that fight

954  
00:45:12,890 --> 00:45:10,470  
and thank you for giving me a little to

955  
00:45:14,080 --> 00:45:12,900  
of Wikimedia oh my pleasure

956  
00:45:23,150 --> 00:45:14,090  
thank you for coming

957  
00:45:28,530 --> 00:45:26,400  
hello and Allah needle on solo scoffs of

958  
00:45:30,900 --> 00:45:28,540  
did moments been to an atlas an outer

959  
00:45:35,520 --> 00:45:30,910  
skeptic zone for weed to stop and Katie

960  
00:45:41,340 --> 00:45:35,530  
snide anchor a meeting for Marcy fauna

961  
00:45:47,030 --> 00:45:42,230  
[Applause]

962  
00:45:55,670 --> 00:45:49,410  
that looks good enough to eat

963  
00:46:03,690 --> 00:45:55,680

or does it here's the diet skeptic

964

00:46:07,280 --> 00:46:03,700

mandelino ball hello skeptic zone

965

00:46:20,190 --> 00:46:16,620

Mandee Lee noble here this week I have

966

00:46:22,440 --> 00:46:20,200

an extra mini report for you where I'm

967

00:46:25,140 --> 00:46:22,450

going to share a news item from The

968

00:46:29,160 --> 00:46:25,150

Sunday Telegraph which is printed in

969

00:46:31,590 --> 00:46:29,170

Sydney Australia the news article is

970

00:46:33,870 --> 00:46:31,600

from Jane Hansen who was this year's

971

00:46:37,890 --> 00:46:33,880

winner of the inaugural barry williams

972

00:46:40,980 --> 00:46:37,900

award for skeptical journalism the

973

00:46:43,680 --> 00:46:40,990

report is on barber o'neill naturopath

974

00:46:47,250 --> 00:46:43,690

and the wife of infamous anti bats

975

00:46:49,700 --> 00:46:47,260

campaigner Michael O'Neill Barbour

976

00:46:52,890 --> 00:46:49,710

O'Neill is being investigated for

977

00:46:55,760 --> 00:46:52,900

dangerous recommendations for infant

978

00:46:59,390 --> 00:46:55,770

feeding cancer care and immunization I

979

00:47:02,460 --> 00:46:59,400

will now read to you from Jane's article

980

00:47:03,840 --> 00:47:02,470

naturopaths cancer healing claims under

981

00:47:07,710 --> 00:47:03,850

the microscope

982

00:47:10,260 --> 00:47:07,720

a naturopath who charges as much as

983

00:47:12,750 --> 00:47:10,270

three thousand one hundred dollars a

984

00:47:15,720 --> 00:47:12,760

week for health retreats is under

985

00:47:17,700 --> 00:47:15,730

investigation by the health watchdog for

986

00:47:20,850 --> 00:47:17,710

allegedly making false claims about

987

00:47:23,580 --> 00:47:20,860

cancer and vaccinations Barber O'Neill

988

00:47:26,910 --> 00:47:23,590

who is described on her misty mountain

989

00:47:30,660 --> 00:47:26,920

health retreat website as a world-famous

990

00:47:33,120 --> 00:47:30,670

health lecturer may be in breach of the

991

00:47:35,250 --> 00:47:33,130

health care complaints commissions code

992

00:47:38,220 --> 00:47:35,260

of conduct for unread

993

00:47:42,540 --> 00:47:38,230

Stud health practitioners unlike doctors

994

00:47:45,420 --> 00:47:42,550

naturopaths are unregistered and only

995

00:47:48,240 --> 00:47:45,430

covered by a code of conduct under the

996

00:47:52,050 --> 00:47:48,250

code a health practitioner must not make

997

00:47:54,450 --> 00:47:52,060

claims either directly or in advertising

998

00:47:57,470 --> 00:47:54,460

or promotional material about the

999

00:48:00,000 --> 00:47:57,480

efficacy of treatments or services

1000

00:48:02,360 --> 00:48:00,010

provided if those claims cannot be

1001  
00:48:06,240 --> 00:48:02,370  
substantiated the Sunday Telegraph

1002  
00:48:08,850 --> 00:48:06,250  
understands the HCC SI launched an

1003  
00:48:11,910 --> 00:48:08,860  
investigation after receiving numerous

1004  
00:48:13,710 --> 00:48:11,920  
complaints from concerned citizens and

1005  
00:48:16,470 --> 00:48:13,720  
registered health practitioners

1006  
00:48:19,590 --> 00:48:16,480  
complaints allege that miss O'Neill

1007  
00:48:23,540 --> 00:48:19,600  
treats cancer patients with bicarbonate

1008  
00:48:28,290 --> 00:48:23,550  
of soda wraps to alkalize the body and

1009  
00:48:31,530 --> 00:48:28,300  
recommends a diet to kill cancer so for

1010  
00:48:32,640 --> 00:48:31,540  
cancer it's no fruit for six weeks no

1011  
00:48:35,040 --> 00:48:32,650  
wheat for six weeks

1012  
00:48:37,140 --> 00:48:35,050  
very little carbohydrate so what did

1013  
00:48:40,800 --> 00:48:37,150

they eat lots of legumes lots of

1014

00:48:44,760 --> 00:48:40,810

vegetables nuts and seeds she said in

1015

00:48:47,600 --> 00:48:44,770

one of her online videos miss O'Neill

1016

00:48:50,520 --> 00:48:47,610

claims in her numerous videos

1017

00:48:54,690 --> 00:48:50,530

presentations that antibiotics cause

1018

00:48:57,960 --> 00:48:54,700

cancer and the human body was designed

1019

00:49:01,920 --> 00:48:57,970

to heal itself and does not need to be

1020

00:49:04,890 --> 00:49:01,930

vaccinated she also claims neurotoxins

1021

00:49:09,780 --> 00:49:04,900

in vaccines have caused an epidemic of

1022

00:49:12,450 --> 00:49:09,790

ADHD autism epilepsy and Cod death there

1023

00:49:16,080 --> 00:49:12,460

is no scientific evidence for any of

1024

00:49:18,210 --> 00:49:16,090

these claims miss O'Neill runs the misty

1025

00:49:20,640 --> 00:49:18,220

mountain health retreat at Bellbrook

1026  
00:49:23,550 --> 00:49:20,650  
near Kempsey with husband Michael

1027  
00:49:27,780 --> 00:49:23,560  
O'Neill who set up the involuntary

1028  
00:49:32,580 --> 00:49:27,790  
medication objectors party in 2015 and

1029  
00:49:34,200 --> 00:49:32,590  
the health Australia party in 2016 to

1030  
00:49:36,960 --> 00:49:34,210  
run in the federal election on a

1031  
00:49:41,340 --> 00:49:36,970  
platform against vaccination programs

1032  
00:49:43,080 --> 00:49:41,350  
and water fluoridation mr. O'Neill has

1033  
00:49:46,680 --> 00:49:43,090  
campaigned against The Sunday Telegraph

1034  
00:49:47,890 --> 00:49:46,690  
no jab no play and no job no pay

1035  
00:49:51,700 --> 00:49:47,900  
campaigns

1036  
00:49:53,799 --> 00:49:51,710  
on her website miss O'Neal advises

1037  
00:49:56,799 --> 00:49:53,809  
mothers who cannot breastfeed to avoid

1038  
00:50:00,069 --> 00:49:56,809

infant formula in favor of almond milk

1039

00:50:02,650 --> 00:50:00,079

blended with dates or banana she advises

1040

00:50:06,370 --> 00:50:02,660

not to feed solids or grains until a

1041

00:50:08,559 --> 00:50:06,380

child smylazar in professor Jane Scott

1042

00:50:11,140 --> 00:50:08,569

who co-authored the National Health and

1043

00:50:13,809 --> 00:50:11,150

Medical Research Council's Australian

1044

00:50:16,089 --> 00:50:13,819

infant feeding guidelines said such

1045

00:50:20,289 --> 00:50:16,099

substitutes for breast milk or infant

1046

00:50:23,259 --> 00:50:20,299

formula were definitely not safe there

1047

00:50:26,069 --> 00:50:23,269

is a real danger here for infants and

1048

00:50:29,859 --> 00:50:26,079

C's will not support healthy growth and

1049

00:50:35,910 --> 00:50:29,869

development professor Scott said miss

1050

00:50:35,920 --> 00:50:58,329

nice work Jane and bye for now skeptics

1051

00:51:04,460 --> 00:51:01,099

thank you for listening to the skeptic

1052

00:51:09,410 --> 00:51:04,470

zone now coming up this week in Sydney

1053

00:51:12,020 --> 00:51:09,420

on the 10th of January skeptics in the

1054

00:51:16,880 --> 00:51:12,030

pub at the Occidental hotel and it's an

1055

00:51:20,510 --> 00:51:16,890

open mic night I might be there

1056

00:51:22,250 --> 00:51:20,520

I might not I'm not sure I am in San

1057

00:51:23,599 --> 00:51:22,260

Francisco in the United States here for

1058

00:51:28,130 --> 00:51:23,609

a little while longer than anticipated

1059

00:51:30,710 --> 00:51:28,140

but life can be strange enjoying the

1060

00:51:33,650 --> 00:51:30,720

cool weather of course nevertheless if

1061

00:51:34,849 --> 00:51:33,660

you are in Sydney the 10th of January is

1062

00:51:37,279 --> 00:51:34,859

the date you should head for the

1063

00:51:41,089 --> 00:51:37,289

Occidental hotel just near Wynyard

1064

00:51:44,809 --> 00:51:41,099

station for skeptics in the pub and open

1065

00:51:46,970 --> 00:51:44,819

mic night but for this week this is

1066

00:51:53,660 --> 00:51:46,980

Richard Saunders signing off from the

1067

00:51:55,700 --> 00:51:53,670

Bay Area San Francisco you've been

1068

00:52:02,630 --> 00:51:55,710

listening to the skeptic zone podcast

1069

00:52:05,089 --> 00:52:02,640

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00:52:08,990 --> 00:52:05,099

and to access the bat catalog of

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00:52:10,849 --> 00:52:09,000

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00:52:13,910 --> 00:52:10,859

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00:52:16,190 --> 00:52:13,920

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00:52:19,760 --> 00:52:17,089

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00:52:23,150 --> 00:52:19,770

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00:52:25,870 --> 00:52:23,160

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1078

00:52:28,250 --> 00:52:25,880

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1079

00:52:30,349 --> 00:52:28,260

reviews and opinions expressed on the

1080

00:52:32,720 --> 00:52:30,359

skeptic zone are not necessarily those

1081

00:52:34,520 --> 00:52:32,730

of Australian skeptics or any other