

1  
00:00:05,960 --> 00:00:11,919  
welcome to the skeptic zone the podcast

2  
00:00:09,119 --> 00:00:23,219  
from Australia for science and reason

3  
00:00:11,919 --> 00:00:26,140  
[Music]

4  
00:00:23,219 --> 00:00:29,739  
yes it's the skeptic zone podcast

5  
00:00:26,140 --> 00:00:33,370  
episode number 533 for the 6th of

6  
00:00:29,739 --> 00:00:35,859  
January 2019 richardsaunders here with

7  
00:00:33,369 --> 00:00:38,829  
you from the San Francisco Bay Area and

8  
00:00:35,859 --> 00:00:41,170  
what a great start to 2019 it has been

9  
00:00:38,829 --> 00:00:43,570  
especially in the cold crispy weather

10  
00:00:41,170 --> 00:00:46,270  
that I love I think there's lots of rain

11  
00:00:43,570 --> 00:00:48,299  
forecast I'm glad I'm here at the moment

12  
00:00:46,270 --> 00:00:51,340  
because in Sydney Australia it's a

13  
00:00:48,299 --> 00:00:54,759  
understand heatwave conditions followed

14  
00:00:51,340 --> 00:00:56,470  
by heavy thunderstorms maybe I should

15  
00:00:54,759 --> 00:00:58,448  
work for The Weather Channel coming up

16  
00:00:56,469 --> 00:00:59,079  
on this week's show here in San

17  
00:00:58,448 --> 00:01:03,009  
Francisco

18  
00:00:59,079 --> 00:01:04,900  
I joined mark Edward J Dimon and susan

19  
00:01:03,009 --> 00:01:07,569  
gerbic who was from guerrilla skepticism

20  
00:01:04,900 --> 00:01:10,390  
on Wikipedia and we head to the

21  
00:01:07,569 --> 00:01:12,369  
Exploratorium now we've been there

22  
00:01:10,390 --> 00:01:14,170  
before a couple of years ago but it's

23  
00:01:12,370 --> 00:01:16,630  
always great to go back especially with

24  
00:01:14,170 --> 00:01:18,728  
some skeptics and afterwards I chat to

25  
00:01:16,629 --> 00:01:21,089  
susan gerbic about what it's like to be

26  
00:01:18,728 --> 00:01:24,870  
an editor for guerrilla skepticism on

27  
00:01:21,090 --> 00:01:28,270  
wikipedia more about wikipedia coming up

28  
00:01:24,870 --> 00:01:32,410  
after that life is wild with michele

29

00:01:28,269 --> 00:01:37,030  
Franklin with an unusual story of an emu

30  
00:01:32,409 --> 00:01:41,620  
invasion yeah emus what happens when

31  
00:01:37,030 --> 00:01:43,960  
people tried to control emus and then we

32  
00:01:41,620 --> 00:01:46,450  
head to Wikimedia the headquarters of

33  
00:01:43,959 --> 00:01:48,429  
Wikipedia here in San Francisco I get a

34  
00:01:46,450 --> 00:01:50,829  
little tool with Mario shoot Lander a

35  
00:01:48,430 --> 00:01:54,010  
friend of mine who I met many years ago

36  
00:01:50,829 --> 00:01:56,769  
who over 10 years ago when she had

37  
00:01:54,010 --> 00:01:59,430  
demonstrated some science by whacking a

38  
00:01:56,769 --> 00:02:02,129  
cream pie in my face hmm

39  
00:01:59,430 --> 00:02:04,840  
my shoes on the skeptics owned only

40  
00:02:02,129 --> 00:02:07,959  
about a year back talking about the Flat

41  
00:02:04,840 --> 00:02:10,658  
Earth anyway she brings us up to date on

42  
00:02:07,959 --> 00:02:13,049  
the Flat Earth is it still flat probably

43  
00:02:10,658 --> 00:02:16,149

not and we get a little tour of

44

00:02:13,050 --> 00:02:19,750

Wikimedia then to round off the show a

45

00:02:16,150 --> 00:02:22,599

story from Jane Hansen is read by the

46

00:02:19,750 --> 00:02:25,030

diet skeptic Mandy lee noble about a

47

00:02:22,598 --> 00:02:27,818

naturopath who's under investigation for

48

00:02:25,030 --> 00:02:32,979

what seems to be pretty dodgy advice

49

00:02:27,818 --> 00:02:34,539

regarding cancer and breastfeeding well

50

00:02:32,979 --> 00:02:37,539

here we go another

51

00:02:34,539 --> 00:02:40,328

year of the skeptic zone another year

52

00:02:37,539 --> 00:02:44,318

hmm I think I'm gonna run upstairs and

53

00:02:40,329 --> 00:02:46,180

have myself some linguine Delmar

54

00:02:44,318 --> 00:02:48,250

actually had some the other night it was

55

00:02:46,180 --> 00:02:51,409

pretty good well I do that I hope you

56

00:02:48,250 --> 00:02:58,689

enjoy the skeptic zone

57

00:02:51,409 --> 00:03:01,758

[Music]

58  
00:02:58,689 --> 00:03:01,758  
[Applause]

59  
00:03:02,020 --> 00:03:11,530  
[Music]

60  
00:03:09,299 --> 00:03:13,780  
it's an out sort of a day here in San

61  
00:03:11,530 --> 00:03:17,949  
Francisco back in Australia it's already

62  
00:03:13,780 --> 00:03:21,219  
2019 here however it's still 2018 it's

63  
00:03:17,949 --> 00:03:23,979  
one of those quirks of the timeline the

64  
00:03:21,219 --> 00:03:25,689  
date line the International Dateline I'm

65  
00:03:23,979 --> 00:03:27,548  
walking up from the Ferry Building here

66  
00:03:25,689 --> 00:03:30,969  
in San Francisco heading towards the

67  
00:03:27,549 --> 00:03:32,769  
Exploratorium and we've been there

68  
00:03:30,969 --> 00:03:34,269  
before the skeptics town has been to the

69  
00:03:32,769 --> 00:03:37,810  
Exploratorium before where we did some

70  
00:03:34,269 --> 00:03:39,340  
reports but not with susan gerbic from

71  
00:03:37,810 --> 00:03:42,370  
guerrilla skepticism who I just bumped

72  
00:03:39,340 --> 00:03:45,280  
into in the street at random hello he

73  
00:03:42,370 --> 00:03:48,310  
did not bump into me on the street be

74  
00:03:45,280 --> 00:03:50,799  
skeptical people be skeptical Susan's oh

75  
00:03:48,310 --> 00:03:52,628  
hello we've got somebody with some

76  
00:03:50,799 --> 00:03:58,150  
groovy music coming up behind us we with

77  
00:03:52,628 --> 00:04:01,840  
Mark Edward and Jay Diamond hi guys and

78  
00:03:58,150 --> 00:04:05,150  
it's it's nippy today it's it's a little

79  
00:04:01,840 --> 00:04:07,710  
bit um risk

80  
00:04:05,150 --> 00:04:09,930  
he's a happy guy just walk past us for

81  
00:04:07,710 --> 00:04:12,000  
this is music and it's a lovely clear

82  
00:04:09,930 --> 00:04:13,920  
day here in San Francisco we're walking

83  
00:04:12,000 --> 00:04:16,019  
up to the Exploratorium I've been here

84  
00:04:13,919 --> 00:04:18,269  
before as I said but it's more fun when

85  
00:04:16,019 --> 00:04:20,189  
you go with people and you can play

86

00:04:18,269 --> 00:04:25,110  
silly games science games with each

87  
00:04:20,189 --> 00:04:26,790  
other the sights and sounds of San

88  
00:04:25,110 --> 00:04:29,580  
Francisco it looks like a lot of the

89  
00:04:26,790 --> 00:04:33,870  
South American people maybe Oh banging

90  
00:04:29,579 --> 00:04:36,919  
their drums and walking bus not sure why

91  
00:04:33,870 --> 00:04:36,920  
[Music]

92  
00:04:37,129 --> 00:04:44,129  
eyeing 2018 and yes they were yeah

93  
00:04:40,850 --> 00:04:48,870  
that's very colorful and interesting and

94  
00:04:44,129 --> 00:04:51,420  
I had these smoking things and we're

95  
00:04:48,870 --> 00:04:54,360  
nearly at the Exploratorium this quite a

96  
00:04:51,420 --> 00:04:58,879  
lot of people walking up and down along

97  
00:04:54,360 --> 00:04:58,879  
along the famous San Francisco piers

98  
00:04:59,180 --> 00:05:06,490  
enclosed by white touch okay here's our

99  
00:05:03,228 --> 00:05:06,490  
the doors

100  
00:05:09,389 --> 00:05:13,300

the entrance is around that way but if

101

00:05:11,529 --> 00:05:14,859

we go through this way not only is it

102

00:05:13,300 --> 00:05:18,759

warm but we can walk through the gift

103

00:05:14,860 --> 00:05:20,110

shop to figure this out all the main

104

00:05:18,759 --> 00:05:23,319

entrance I know we're on the right side

105

00:05:20,110 --> 00:05:25,419

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

106

00:05:23,319 --> 00:05:29,259

good gift shop now I've got no kickback

107

00:05:25,418 --> 00:05:31,478

here I'm not doing any anything special

108

00:05:29,259 --> 00:05:35,500

everyone loves great science gifts right

109

00:05:31,478 --> 00:05:37,930

and this gift shop you probably will buy

110

00:05:35,500 --> 00:05:40,538

something I always buy something in that

111

00:05:37,930 --> 00:05:43,750

gift shop let's let's let's do that the

112

00:05:40,538 --> 00:05:46,839

ticketing it's around this way and walk

113

00:05:43,750 --> 00:05:48,310

around here look at that yeah we can see

114

00:05:46,839 --> 00:05:50,109

through the giant glass doors here all



115  
00:05:48,310 --> 00:05:53,110  
sorts of things happening and we're

116  
00:05:50,110 --> 00:05:54,060  
walking up to near where the tickets are

117  
00:05:53,110 --> 00:05:58,810  
okay

118  
00:05:54,060 --> 00:06:00,370  
we've already struck the first the video

119  
00:05:58,810 --> 00:06:05,668  
if we have to figure out how the lockers

120  
00:06:00,370 --> 00:06:05,668  
work actually playing the music what

121  
00:06:05,949 --> 00:06:12,639  
[Music]

122  
00:06:07,529 --> 00:06:18,819  
what you're doing nothing oh I see this

123  
00:06:12,639 --> 00:06:23,560  
musical notes on them Marquez defeat it

124  
00:06:18,819 --> 00:06:26,569  
only took us an hour and we I just

125  
00:06:23,560 --> 00:06:37,369  
compose that locker

126  
00:06:26,569 --> 00:06:41,869  
Oh Richard I really like to think of you

127  
00:06:37,369 --> 00:06:45,050  
as the Beethoven of Locker 21st century

128  
00:06:41,869 --> 00:06:46,429  
music composition I am I am in fact the

129  
00:06:45,050 --> 00:06:48,468  
wall of luck that's what I didn't even

130  
00:06:46,428 --> 00:06:50,329  
know that Susan I did not even that is

131  
00:06:48,468 --> 00:06:52,428  
super cool I saw the sign I'm not that

132  
00:06:50,329 --> 00:06:53,688  
clever now you get extra points for

133  
00:06:52,428 --> 00:06:55,158  
paying attain you know they say that

134  
00:06:53,689 --> 00:06:57,439  
your luck is better if you're the type

135  
00:06:55,158 --> 00:06:59,118  
of person who actually pays attention to

136  
00:06:57,439 --> 00:07:03,349  
things is that what Richard Wiseman told

137  
00:06:59,119 --> 00:07:05,180  
us in his book yeah the luck factor well

138  
00:07:03,348 --> 00:07:09,019  
lucky for us we're here why don't we

139  
00:07:05,180 --> 00:07:13,009  
dive right into the exhibits let's go

140  
00:07:09,019 --> 00:07:16,998  
into the shadow room here the shadow box

141  
00:07:13,009 --> 00:07:20,809  
it's called it's a very dark room and if

142  
00:07:16,999 --> 00:07:23,509  
we stand near the wall so stand near the

143

00:07:20,809 --> 00:07:26,830  
wall and make a funny pose and in 23

144  
00:07:23,509 --> 00:07:29,509  
seconds a bright flash flashes and

145  
00:07:26,829 --> 00:07:33,050  
preserves our shadows for a minute or

146  
00:07:29,509 --> 00:07:34,519  
two our shadow we can photograph that

147  
00:07:33,050 --> 00:07:40,560  
afternoon I guess so

148  
00:07:34,519 --> 00:07:45,389  
ten nine seven five or here comes

149  
00:07:40,560 --> 00:07:49,199  
oh that was bright there's our shadows

150  
00:07:45,389 --> 00:07:50,699  
look at that the system's making the

151  
00:07:49,199 --> 00:07:56,069  
victory sign and I've got my microphone

152  
00:07:50,699 --> 00:08:00,209  
in my hand and they're fading already

153  
00:07:56,069 --> 00:08:01,740  
you see that it's not often you can see

154  
00:08:00,209 --> 00:08:03,899  
your own shadow like that that's quite

155  
00:08:01,740 --> 00:08:06,030  
cool well lots of people here today I'm

156  
00:08:03,899 --> 00:08:08,699  
really pleased to see it the place is

157  
00:08:06,029 --> 00:08:09,779

pretty so many children lots of children

158

00:08:08,699 --> 00:08:14,339

always a good thing

159

00:08:09,779 --> 00:08:17,388

and we're walking along this corridor a

160

00:08:14,339 --> 00:08:21,138

wide corridor and there are our excites

161

00:08:17,389 --> 00:08:25,579

guide games and toys and puzzles

162

00:08:21,139 --> 00:08:32,158

everywhere hello what's this metronome

163

00:08:25,579 --> 00:08:33,509

synchronization I think I've seen

164

00:08:32,158 --> 00:08:35,250

something like that on Mythbusters where

165

00:08:33,509 --> 00:08:38,278

you will these metronomes you put the

166

00:08:35,250 --> 00:08:41,690

money have platforms suspended on

167

00:08:38,278 --> 00:08:41,689

strings so they all take together

168

00:08:43,070 --> 00:08:53,560

and then they explode I don't know this

169

00:08:49,159 --> 00:08:55,600

is one of these strobe animation wheels

170

00:08:53,559 --> 00:09:00,500

Wow

171

00:08:55,600 --> 00:09:03,139

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

172  
00:09:00,500 --> 00:09:07,068  
life before our eyes were strobing hard

173  
00:09:03,139 --> 00:09:14,750  
to explain and the Penguins

174  
00:09:07,068 --> 00:09:25,990  
isn't that cool and the Riddler and

175  
00:09:14,750 --> 00:09:28,370  
that's pretty cool that's great now

176  
00:09:25,990 --> 00:09:29,810  
skeptic John listeners may well remember

177  
00:09:28,370 --> 00:09:32,480  
that the last time I was here at the

178  
00:09:29,809 --> 00:09:35,359  
Exploratorium I interviewed Paul Dodi he

179  
00:09:32,480 --> 00:09:38,139  
had a book out about crazy ways to die

180  
00:09:35,360 --> 00:09:40,940  
and scientific things to do with that I

181  
00:09:38,139 --> 00:09:43,759  
interviewed Paul wonderful man he showed

182  
00:09:40,940 --> 00:09:46,730  
me all around and sadly about six months

183  
00:09:43,759 --> 00:09:49,129  
later he died so I was very pleased to

184  
00:09:46,730 --> 00:09:50,300  
be able to come here and turn the view

185  
00:09:49,129 --> 00:09:52,879  
Paul Doherty and I'll link to that

186  
00:09:50,299 --> 00:09:56,859  
episode of the skeptic Zone in the show

187  
00:09:52,879 --> 00:09:59,480  
notes for this week as we enter a huge

188  
00:09:56,860 --> 00:10:02,539  
room towards the back here with what is

189  
00:09:59,480 --> 00:10:06,440  
that it's a prism of lights said like a

190  
00:10:02,539 --> 00:10:07,669  
giant cube it's an infinity cube no

191  
00:10:06,440 --> 00:10:11,380  
matter how you look into it it just

192  
00:10:07,669 --> 00:10:11,379  
keeps going on forever Wow

193  
00:10:13,089 --> 00:10:17,639  
it's like looking into another dimension

194  
00:10:18,840 --> 00:10:24,080  
is it giant sort of bubble sculpture

195  
00:10:21,929 --> 00:10:27,620  
hanging from the ceiling

196  
00:10:24,080 --> 00:10:30,330  
multicolored it's extraordinary here and

197  
00:10:27,620 --> 00:10:33,590  
no matter how much I explained it what's

198  
00:10:30,330 --> 00:10:36,740  
going on and all the things to see

199  
00:10:33,590 --> 00:10:38,570  
you you can only get a guess you can

200

00:10:36,740 --> 00:10:42,409  
only guess at what it's really like here

201  
00:10:38,570 --> 00:10:43,700  
now Susan I'm going to take you over I'm

202  
00:10:42,409 --> 00:10:46,459  
going to take you over to an amazing

203  
00:10:43,700 --> 00:10:48,050  
mirror illusion because when I see you

204  
00:10:46,460 --> 00:10:51,950  
last time with Paul Doherty this is the

205  
00:10:48,049 --> 00:10:56,649  
one that really really amazed me and it

206  
00:10:51,950 --> 00:10:58,580  
gives quite the incredible illusion

207  
00:10:56,649 --> 00:11:00,120  
closer we get

208  
00:10:58,580 --> 00:11:03,089  
[Music]

209  
00:11:00,120 --> 00:11:05,929  
if you look around the mirror you'll be

210  
00:11:03,089 --> 00:11:05,930  
able to find yourself

211  
00:11:06,460 --> 00:11:13,180  
you just have to get in the sweet spot

212  
00:11:08,649 --> 00:11:17,079  
and not only is it is it upside down oh

213  
00:11:13,179 --> 00:11:18,370  
you are 3d its 3d and see what this man

214  
00:11:17,080 --> 00:11:19,990

is doing he's reaching out and he's

215

00:11:18,370 --> 00:11:22,029

touching his own hand and reflection

216

00:11:19,990 --> 00:11:26,680

look at that oh

217

00:11:22,029 --> 00:11:28,449

oh wow it's staggering it's one of the

218

00:11:26,679 --> 00:11:30,339

best illusions and others me I can just

219

00:11:28,450 --> 00:11:32,590

see me over so it's like looking at

220

00:11:30,340 --> 00:11:35,500

yourself in reality but upside down as

221

00:11:32,590 --> 00:11:37,750

if you're hanging from the ceiling I've

222

00:11:35,500 --> 00:11:41,379

lost you sir oh there you are you're

223

00:11:37,750 --> 00:11:42,210

there look so put out your hand keep

224

00:11:41,379 --> 00:11:45,288

going keep going

225

00:11:42,210 --> 00:11:45,288

[Music]

226

00:11:46,559 --> 00:11:51,179

that's weird isn't it this myth Scott

227

00:11:52,179 --> 00:11:56,688

Susan's reaching out and she's touching

228

00:11:54,438 --> 00:11:58,610

her own hand in reflection and her



229  
00:11:56,688 --> 00:12:04,009  
reflection is reaching back to touch

230  
00:11:58,610 --> 00:12:06,139  
your hand oh yeah isn't that something

231  
00:12:04,009 --> 00:12:07,699  
look how clear that is I can use that to

232  
00:12:06,139 --> 00:12:10,370  
put my makeup on or something like that

233  
00:12:07,698 --> 00:12:13,569  
is so clear

234  
00:12:10,370 --> 00:12:17,330  
jerry and now we're in the room of

235  
00:12:13,570 --> 00:12:18,650  
reflections and there are thousand susan

236  
00:12:17,330 --> 00:12:22,120  
gerbic sand a thousand richardsaunders

237  
00:12:18,649 --> 00:12:25,639  
in here we're gonna get nauseous again

238  
00:12:22,120 --> 00:12:28,399  
we don't have yeah is that the way it

239  
00:12:25,639 --> 00:12:30,529  
works now there are that there are

240  
00:12:28,399 --> 00:12:33,620  
thousands of people in here right so

241  
00:12:30,529 --> 00:12:36,860  
welcome to the the cone of silence at

242  
00:12:33,620 --> 00:12:38,299  
the world skeptic conference what this

243  
00:12:36,860 --> 00:12:42,019  
is where we do all of our conspiracies

244  
00:12:38,299 --> 00:12:43,189  
what I'm sorry I can't hear you what I

245  
00:12:42,019 --> 00:12:49,069  
said

246  
00:12:43,190 --> 00:12:50,710  
welcome to the cone of silence hello

247  
00:12:49,070 --> 00:12:59,540  
Susan

248  
00:12:50,710 --> 00:13:02,269  
hello can you hear me I am now Susan and

249  
00:12:59,539 --> 00:13:03,980  
I are sitting about or 20 meters from

250  
00:13:02,269 --> 00:13:07,549  
each other talking in our normal voices

251  
00:13:03,980 --> 00:13:14,810  
and we can hear each other through these

252  
00:13:07,549 --> 00:13:17,000  
parabolic listening caves thanks Susan

253  
00:13:14,809 --> 00:13:20,209  
now this is a strange one is called

254  
00:13:17,000 --> 00:13:21,980  
sound bite when you put a drinking straw

255  
00:13:20,210 --> 00:13:24,980  
disposable drinking store in a little

256  
00:13:21,980 --> 00:13:28,940  
metal rod and the metal rod is vibrating

257

00:13:24,980 --> 00:13:30,800  
with the vibrations but when you bite

258  
00:13:28,940 --> 00:13:33,740  
down you can actually hear something

259  
00:13:30,799 --> 00:13:35,839  
through your teeth it's rap music is ahh

260  
00:13:33,740 --> 00:13:38,139  
and it's in that audience isn't it

261  
00:13:35,840 --> 00:13:38,139  
strange

262  
00:13:38,750 --> 00:13:47,389  
and yet there's yet more

263  
00:13:43,309 --> 00:13:53,568  
interesting things lying ahead with lots

264  
00:13:47,389 --> 00:13:56,180  
of kids here vibrations sound well

265  
00:13:53,568 --> 00:13:58,278  
what's this this looks weird this is

266  
00:13:56,179 --> 00:14:01,120  
like something from Doctor Who reverse

267  
00:13:58,278 --> 00:14:01,120  
he is it's called

268  
00:14:01,620 --> 00:14:12,240  
Oh so okay let me try to explain it this

269  
00:14:07,049 --> 00:14:14,069  
is like headphones speak to you from one

270  
00:14:12,240 --> 00:14:16,470  
side make sure they don't tell you what

271  
00:14:14,070 --> 00:14:18,210

that what side they're on try to decide

272

00:14:16,470 --> 00:14:19,860

what side your friend is on and what

273

00:14:18,210 --> 00:14:23,490

then open your eyes were you right so

274

00:14:19,860 --> 00:14:24,300

I'm going to close my eyes I'll try it

275

00:14:23,490 --> 00:14:25,970

on you first

276

00:14:24,299 --> 00:14:29,849

so Susan's wearing a pair of headphones

277

00:14:25,970 --> 00:14:32,370

attached to tubes and little inlets here

278

00:14:29,850 --> 00:14:34,110

for sound I'm going to speak in one one

279

00:14:32,370 --> 00:14:36,830

side and she's going to try and guess

280

00:14:34,110 --> 00:14:36,830

who I'm speaking from

281

00:14:37,720 --> 00:14:43,149

hello where am i speaking from she

282

00:14:40,480 --> 00:14:45,820

guessed so much for that all right I'm

283

00:14:43,149 --> 00:14:52,689

gonna try these on hello Richard

284

00:14:45,820 --> 00:14:56,250

hello myself are you on the other side

285

00:14:52,690 --> 00:14:56,250

right hello

286  
00:15:00,278 --> 00:15:11,139  
know what side of Milan try these ones

287  
00:15:04,948 --> 00:15:12,909  
physically try those make it look

288  
00:15:11,139 --> 00:15:15,490  
fashionable embrace it a lot like I

289  
00:15:12,909 --> 00:15:17,679  
think we've shown accessorize what side

290  
00:15:15,490 --> 00:15:25,839  
he's outside am i speaking from your

291  
00:15:17,679 --> 00:15:29,109  
hear I hear you on this one I've seen on

292  
00:15:25,839 --> 00:15:31,720  
TV it's a um it's a sheet of metal with

293  
00:15:29,110 --> 00:15:46,120  
some sand on top and we get a thing like

294  
00:15:31,720 --> 00:15:48,009  
a violin bow the idea is of course the

295  
00:15:46,120 --> 00:15:53,709  
the sand is vibrating on the middle

296  
00:15:48,009 --> 00:15:58,360  
plate like my teeth I think I've just

297  
00:15:53,708 --> 00:16:04,929  
lost about 20% of my listeners 20% yes

298  
00:15:58,360 --> 00:16:06,879  
all three of them and of course you turn

299  
00:16:04,929 --> 00:16:09,338  
your back for one moment and half the

300  
00:16:06,879 --> 00:16:12,839  
party disappear but that's I think it's

301  
00:16:09,339 --> 00:16:14,339  
part of the magic of this place oh

302  
00:16:12,839 --> 00:16:17,649  
here's one

303  
00:16:14,339 --> 00:16:20,769  
did you look in the igloo then I didn't

304  
00:16:17,649 --> 00:16:22,480  
go in yet it's an igloo of light that

305  
00:16:20,769 --> 00:16:25,600  
sounds exciting yeah well it's just like

306  
00:16:22,480 --> 00:16:26,680  
in the far north it's yes well it's not

307  
00:16:25,600 --> 00:16:28,930  
that exciting but it's interesting

308  
00:16:26,679 --> 00:16:30,609  
nevertheless remember I'm from Canada so

309  
00:16:28,929 --> 00:16:32,889  
you know in Canada it's all igloos and

310  
00:16:30,610 --> 00:16:35,350  
lights of course yes

311  
00:16:32,889 --> 00:16:39,730  
we step into the igloo of light here

312  
00:16:35,350 --> 00:16:43,120  
ducking in the other side and we're in

313  
00:16:39,730 --> 00:16:46,810  
it's like an igloo of light it is it's

314

00:16:43,120 --> 00:16:51,009  
an igloo made of light light okay with

315  
00:16:46,809 --> 00:16:53,619  
an exit here we go after lots and lots

316  
00:16:51,009 --> 00:16:55,899  
and lots of fun and lots of science we

317  
00:16:53,620 --> 00:16:58,990  
found ourselves in the cafeteria

318  
00:16:55,899 --> 00:17:00,639  
another root beer and fries I assume

319  
00:16:58,990 --> 00:17:04,180  
garlic what it's like to be an editor

320  
00:17:00,639 --> 00:17:06,910  
for guerrilla skepticism on Wikipedia

321  
00:17:04,180 --> 00:17:08,350  
well after you finish training you're

322  
00:17:06,910 --> 00:17:10,150  
let loose to do whatever you'd like to

323  
00:17:08,349 --> 00:17:12,099  
do but to get through training there's

324  
00:17:10,150 --> 00:17:13,870  
all a bunch of different kinds of edits

325  
00:17:12,099 --> 00:17:16,000  
that you have to make you have to learn

326  
00:17:13,869 --> 00:17:17,769  
how to cite something you have to add a

327  
00:17:16,000 --> 00:17:19,509  
photo you have a lot of different things

328  
00:17:17,769 --> 00:17:21,190

that are asked of you and then when

329

00:17:19,509 --> 00:17:22,599

you're finished which takes anywhere

330

00:17:21,190 --> 00:17:23,950

from two and a half to four months

331

00:17:22,599 --> 00:17:28,000

you're going to come out to be a

332

00:17:23,950 --> 00:17:29,650

well-rounded really well-trained editor

333

00:17:28,000 --> 00:17:31,660

of Wikipedia far more than somebody

334

00:17:29,650 --> 00:17:34,090

who's probably self trained on Wikipedia

335

00:17:31,660 --> 00:17:36,040

then you're able to do pretty much

336

00:17:34,089 --> 00:17:38,349

whatever you want we some people are

337

00:17:36,039 --> 00:17:40,450

great at just handling vandalism some

338

00:17:38,349 --> 00:17:42,639

people like to improve pages with photos

339

00:17:40,450 --> 00:17:44,350

or adding citations some people like to

340

00:17:42,640 --> 00:17:46,509

create brand new pages and some people

341

00:17:44,349 --> 00:17:49,019

like to just rewrite pages there's so

342

00:17:46,509 --> 00:17:52,029

much you can do it's really up to you



343  
00:17:49,019 --> 00:17:54,660  
it's an obsession to some people one of

344  
00:17:52,029 --> 00:17:57,460  
my editors Aaliyah encore took wig from

345  
00:17:54,660 --> 00:17:59,290  
the Netherlands he's been he was an

346  
00:17:57,460 --> 00:18:01,870  
editor of Wikipedia for a quite a while

347  
00:17:59,289 --> 00:18:03,789  
before he joined the GSO Debu before he

348  
00:18:01,869 --> 00:18:06,129  
found out about us but he really missed

349  
00:18:03,789 --> 00:18:08,470  
the social aspects the ability to be

350  
00:18:06,130 --> 00:18:10,450  
able to talk to people in some sort of

351  
00:18:08,470 --> 00:18:13,900  
chatting kind of function you know where

352  
00:18:10,450 --> 00:18:18,069  
you get instant feedback and when he

353  
00:18:13,900 --> 00:18:20,740  
joined us oh gosh maybe maybe six years

354  
00:18:18,069 --> 00:18:23,169  
ago he just took to it like a duck and

355  
00:18:20,740 --> 00:18:26,829  
water and we just looked at his edits

356  
00:18:23,170 --> 00:18:28,570  
the other day and he's written so many

357  
00:18:26,829 --> 00:18:30,609  
wikipedia pages a lot of him in Dutch

358  
00:18:28,569 --> 00:18:32,980  
and and then translating image to

359  
00:18:30,609 --> 00:18:36,039  
English or English pages translated into

360  
00:18:32,980 --> 00:18:37,180  
Dutch and all of the pages he's created

361  
00:18:36,039 --> 00:18:38,889  
and I think he's at a hundred and

362  
00:18:37,180 --> 00:18:41,620  
twenty-six pages he personally has

363  
00:18:38,890 --> 00:18:42,380  
created have just hit over 3.5 million

364  
00:18:41,619 --> 00:18:46,189  
page view

365  
00:18:42,380 --> 00:18:47,870  
just by himself plus he's been he's

366  
00:18:46,190 --> 00:18:49,519  
influenced others to write other pages

367  
00:18:47,869 --> 00:18:52,279  
and helped on other peoples pages as

368  
00:18:49,519 --> 00:18:58,308  
well our team is just creating I think

369  
00:18:52,279 --> 00:19:01,129  
our 770 a--the page we just launched and

370  
00:18:58,308 --> 00:19:04,220  
those pages have just hit thirty five

371

00:19:01,130 --> 00:19:05,919  
point five million page views so we know

372  
00:19:04,220 --> 00:19:10,390  
we're having impact and it's such a

373  
00:19:05,919 --> 00:19:10,390  
satisfying feeling to know that

374  
00:19:10,410 --> 00:19:15,670  
it's a very satisfying feeling to know

375  
00:19:12,910 --> 00:19:18,580  
that you've been able to get it really

376  
00:19:15,670 --> 00:19:20,230  
great information out there on Wikipedia

377  
00:19:18,579 --> 00:19:23,589  
where people are able to access it and

378  
00:19:20,230 --> 00:19:25,990  
learn from it I'm enthralled by the

379  
00:19:23,589 --> 00:19:28,929  
world that we're in it's such a joy I

380  
00:19:25,990 --> 00:19:31,809  
mean I really have no skills in the area

381  
00:19:28,930 --> 00:19:33,430  
that I am in I mean I'm not a scientist

382  
00:19:31,809 --> 00:19:36,009  
I don't have a degree in any advanced

383  
00:19:33,430 --> 00:19:39,340  
degrees of any kind and I'm a trained

384  
00:19:36,009 --> 00:19:41,529  
baby photographer so I can't believe I'm

385  
00:19:39,339 --> 00:19:43,949

doing this but it somehow or other it

386

00:19:41,529 --> 00:19:43,950

just works

387

00:19:45,390 --> 00:19:49,870

and sadly time to leave the

388

00:19:47,859 --> 00:19:52,269

Exploratorium a big shout out and a

389

00:19:49,869 --> 00:19:55,599

thank you to Josh who is looking after

390

00:19:52,269 --> 00:19:57,789

us today and Jay what a wonderful place

391

00:19:55,599 --> 00:20:03,609

it is but there are worse ways to spend

392

00:19:57,789 --> 00:20:08,409

a day a San Francisco Exploratorium is

393

00:20:03,609 --> 00:20:11,339

at here 15 and is open Tuesdays to

394

00:20:08,410 --> 00:20:14,529

Sundays for more information visit

395

00:20:11,339 --> 00:20:17,970

Exploratorium dot edu or just follow the

396

00:20:14,529 --> 00:20:17,970

links in this week's show notes

397

00:20:19,380 --> 00:20:24,839

[Music]

398

00:20:29,529 --> 00:20:41,220

[Music]

399

00:20:37,940 --> 00:20:44,990

like watch your guide to quackery health

400  
00:20:41,220 --> 00:20:47,460  
fraud operated by Stephan Barratt MD

401  
00:20:44,990 --> 00:20:49,529  
quack watch is now an international

402  
00:20:47,460 --> 00:20:52,350  
network of people who are concerned

403  
00:20:49,529 --> 00:20:55,859  
about health-related frauds myths fads

404  
00:20:52,349 --> 00:20:58,589  
fallacies and misconduct its primary

405  
00:20:55,859 --> 00:21:00,839  
focus is on quackery related information

406  
00:20:58,589 --> 00:21:05,339  
that is difficult or impossible to get

407  
00:21:00,839 --> 00:21:08,788  
elsewhere articles include quackery how

408  
00:21:05,339 --> 00:21:11,730  
should it be defined how it sells 26

409  
00:21:08,788 --> 00:21:21,679  
ways to spot it Howard Homs cancer

410  
00:21:11,730 --> 00:21:21,679  
patients and much more ww-why watch

411  
00:21:21,819 --> 00:21:25,720  
[Music]

412  
00:21:25,980 --> 00:21:36,410  
[Applause]

413  
00:21:28,339 --> 00:21:36,409  
[Music]

414  
00:21:39,369 --> 00:21:52,000  
life is wild with Michelle Franklin

415  
00:21:53,710 --> 00:21:59,150  
humans have a fairly poor track record

416  
00:21:56,390 --> 00:22:01,100  
of moving into wild territories setting

417  
00:21:59,150 --> 00:22:03,019  
up homes and then being surprised and

418  
00:22:01,099 --> 00:22:05,689  
alarmed when animals show up in those

419  
00:22:03,019 --> 00:22:07,429  
homes not realizing the irony of the

420  
00:22:05,690 --> 00:22:10,130  
animals being equally surprised and

421  
00:22:07,429 --> 00:22:12,470  
alarmed for exactly the same reason this

422  
00:22:10,130 --> 00:22:15,530  
situation can be exacerbated when we

423  
00:22:12,470 --> 00:22:18,350  
start to change the habitats take inland

424  
00:22:15,529 --> 00:22:20,299  
Australia for example it's hot and dry

425  
00:22:18,349 --> 00:22:22,699  
and generally pretty difficult to live

426  
00:22:20,299 --> 00:22:24,678  
in but when humans show up we drill

427  
00:22:22,700 --> 00:22:26,779  
bores we bring water to the surface and

428

00:22:24,679 --> 00:22:29,780  
then we grow crops and we cut down trees

429  
00:22:26,779 --> 00:22:32,869  
and we let lots of grass grow basically

430  
00:22:29,779 --> 00:22:34,369  
making living conditions better so that

431  
00:22:32,869 --> 00:22:36,709  
we can use the land to make lots and

432  
00:22:34,369 --> 00:22:38,808  
lots of cows but cows aren't the only

433  
00:22:36,710 --> 00:22:40,519  
things that drink water and eat grass so

434  
00:22:38,808 --> 00:22:43,730  
we accidentally start making lots of

435  
00:22:40,519 --> 00:22:46,039  
kangaroos and also rabbits and horses

436  
00:22:43,730 --> 00:22:48,529  
and camels and pigs and you get the idea

437  
00:22:46,039 --> 00:22:50,990  
suddenly we have animals everywhere and

438  
00:22:48,529 --> 00:22:53,869  
then all the food is gone and it becomes

439  
00:22:50,990 --> 00:22:55,400  
a lot harder to make cows the way this

440  
00:22:53,869 --> 00:22:57,409  
is generally handled is through

441  
00:22:55,400 --> 00:22:59,269  
eradication programs for the invasive

442  
00:22:57,410 --> 00:23:01,070

species and through culling for

443

00:22:59,269 --> 00:23:05,089

population control of the native species

444

00:23:01,069 --> 00:23:06,889

to some people this might seem harsh but

445

00:23:05,089 --> 00:23:08,089

we need to remember that it's exactly

446

00:23:06,890 --> 00:23:10,730

the same thing that we do in our own

447

00:23:08,089 --> 00:23:13,159

homes we build a nice little habitat

448

00:23:10,730 --> 00:23:15,110

that we like to live in we grow gardens

449

00:23:13,160 --> 00:23:18,110

full of plants that we like to look at

450

00:23:15,109 --> 00:23:20,839

and smell and eat and then the animals

451

00:23:18,109 --> 00:23:23,299

move in and we don't like that sure we

452

00:23:20,839 --> 00:23:24,709

like the birds and the lizards but not

453

00:23:23,299 --> 00:23:26,960

many people want to share their kitchen

454

00:23:24,710 --> 00:23:30,079

with ants and cockroaches or let the

455

00:23:26,960 --> 00:23:32,600

snails and slugs have their flowers so

456

00:23:30,079 --> 00:23:34,879

we routinely cull large numbers of both



457  
00:23:32,599 --> 00:23:38,449  
native and non-native animals when they

458  
00:23:34,880 --> 00:23:39,890  
enter our homes and our Gardens of

459  
00:23:38,450 --> 00:23:41,539  
course there are other ways that we can

460  
00:23:39,890 --> 00:23:44,240  
learn to live with the animals around us

461  
00:23:41,539 --> 00:23:46,039  
if we clean up our crumbs maybe the ants

462  
00:23:44,240 --> 00:23:47,720  
won't come inside and if we fence the

463  
00:23:46,039 --> 00:23:48,480  
gardens maybe the Kangaroos will stay

464  
00:23:47,720 --> 00:23:51,298  
out

465  
00:23:48,480 --> 00:23:53,610  
but realistically we know that this only

466  
00:23:51,298 --> 00:23:55,500  
works for some of the time when it stops

467  
00:23:53,609 --> 00:23:57,719  
raining the ants will still come inside

468  
00:23:55,500 --> 00:23:59,369  
looking for food and water and if it

469  
00:23:57,720 --> 00:24:01,919  
rains too much they'll come in looking

470  
00:23:59,369 --> 00:24:03,959  
for high ground when the Kangaroos are

471  
00:24:01,919 --> 00:24:07,410  
hungry enough no fence is going to keep

472  
00:24:03,960 --> 00:24:09,298  
them out so when our food supply and our

473  
00:24:07,410 --> 00:24:11,669  
livelihood depends on competing with

474  
00:24:09,298 --> 00:24:12,240  
animals that want our resources we fight

475  
00:24:11,669 --> 00:24:14,520  
back

476  
00:24:12,240 --> 00:24:16,529  
sometimes with fences sometimes with

477  
00:24:14,519 --> 00:24:20,009  
chemical weapons and sometimes with

478  
00:24:16,529 --> 00:24:22,139  
bullets but what do we do when the wild

479  
00:24:20,009 --> 00:24:25,349  
things turn up on mass to reclaim their

480  
00:24:22,140 --> 00:24:28,140  
land as usual I can't tell you what we

481  
00:24:25,349 --> 00:24:30,449  
should do when large numbers of native

482  
00:24:28,140 --> 00:24:33,630  
animals want the same resources as us

483  
00:24:30,450 --> 00:24:35,789  
but I can tell you what we did do about

484  
00:24:33,630 --> 00:24:37,950  
75 years ago when it happened

485

00:24:35,789 --> 00:24:40,349  
and I'll even go as far as to suggest

486  
00:24:37,950 --> 00:24:41,450  
that this is not the answer don't try

487  
00:24:40,349 --> 00:24:45,269  
this at home

488  
00:24:41,450 --> 00:24:47,039  
so after World War one British and

489  
00:24:45,269 --> 00:24:48,869  
Australian soldiers were given land in

490  
00:24:47,039 --> 00:24:51,480  
Western Australia to live on and to grow

491  
00:24:48,869 --> 00:24:53,099  
crops they did this pretty well they

492  
00:24:51,480 --> 00:24:55,558  
irrigated the land they grew lots of

493  
00:24:53,099 --> 00:24:57,719  
wheat and most importantly they put

494  
00:24:55,558 --> 00:24:59,660  
water access points all around the place

495  
00:24:57,720 --> 00:25:01,308  
to generally make conditions pretty good

496  
00:24:59,660 --> 00:25:03,990  
- good

497  
00:25:01,308 --> 00:25:06,359  
Amyas normally live in the bush near the

498  
00:25:03,990 --> 00:25:08,460  
farmland and migrate away every year to

499  
00:25:06,359 --> 00:25:10,649

the coast but due to some terrible

500

00:25:08,460 --> 00:25:14,279

politics a drought and a depression

501

00:25:10,650 --> 00:25:16,470

wheat prices dropped so low that in 1932

502

00:25:14,279 --> 00:25:18,359

many farmers didn't even bother to

503

00:25:16,470 --> 00:25:20,210

harvest their crops instead they just

504

00:25:18,359 --> 00:25:23,399

left them lying in the fields

505

00:25:20,210 --> 00:25:25,890

now generally amis breed inland and then

506

00:25:23,400 --> 00:25:27,298

head to the coast afterwards but when

507

00:25:25,890 --> 00:25:30,270

roughly 20,000

508

00:25:27,298 --> 00:25:32,730

EMU's stumbled across a massive supply

509

00:25:30,269 --> 00:25:34,910

of free food interspersed with free

510

00:25:32,730 --> 00:25:38,789

water and nice soft places to lay down

511

00:25:34,910 --> 00:25:40,080

happy days they decided to vacation in

512

00:25:38,789 --> 00:25:42,599

the wheat fields rather than at the

513

00:25:40,079 --> 00:25:44,069

beach of course the people who worked

514  
00:25:42,599 --> 00:25:45,869  
the land where the emus were having

515  
00:25:44,069 --> 00:25:47,189  
their impromptu vacation weren't too

516  
00:25:45,869 --> 00:25:50,159  
impressed with all these unwanted

517  
00:25:47,190 --> 00:25:51,900  
invaders busting down fences taking all

518  
00:25:50,160 --> 00:25:54,570  
the resources and generally overstaying

519  
00:25:51,900 --> 00:25:56,730  
their welcome the ex-soldiers turned

520  
00:25:54,569 --> 00:25:58,918  
farmers tried to defend their crops and

521  
00:25:56,730 --> 00:26:01,500  
their livelihoods themselves but there

522  
00:25:58,919 --> 00:26:02,440  
were 20,000 hungry emus and they didn't

523  
00:26:01,500 --> 00:26:05,349  
stand a chance

524  
00:26:02,440 --> 00:26:07,570  
so the farmers asked for help but they

525  
00:26:05,349 --> 00:26:09,279  
didn't ask an ecologist who might

526  
00:26:07,569 --> 00:26:10,480  
understand the situation and have some

527  
00:26:09,279 --> 00:26:13,680  
insights into how to manipulate

528  
00:26:10,480 --> 00:26:16,299  
resources or behaviors to improve it and

529  
00:26:13,680 --> 00:26:18,789  
they didn't ask a zoologist who might

530  
00:26:16,299 --> 00:26:21,339  
understand Emme biology or behavior and

531  
00:26:18,789 --> 00:26:23,409  
have some insights on how to control or

532  
00:26:21,339 --> 00:26:25,899  
manage a large flock of birds that's in

533  
00:26:23,410 --> 00:26:27,790  
a place that it isn't wanted they didn't

534  
00:26:25,900 --> 00:26:29,290  
even ask an animal control expert who

535  
00:26:27,789 --> 00:26:31,509  
might know something about how to kill

536  
00:26:29,289 --> 00:26:34,629  
large flightless yep flighty birds that

537  
00:26:31,509 --> 00:26:36,910  
don't want to leave instead they stuck

538  
00:26:34,630 --> 00:26:39,460  
within their own area of expertise which

539  
00:26:36,910 --> 00:26:40,630  
is fighting other humans they asked the

540  
00:26:39,460 --> 00:26:42,850  
military for help

541  
00:26:40,630 --> 00:26:45,370  
failing to understand that emus neither

542

00:26:42,849 --> 00:26:47,559  
flock like cows nor flee like people and

543  
00:26:45,369 --> 00:26:51,399  
fighting them is not the same thing as

544  
00:26:47,559 --> 00:26:55,119  
fighting humans this might sound like a

545  
00:26:51,400 --> 00:26:57,220  
joke but it's really not and this is

546  
00:26:55,119 --> 00:26:58,689  
what we do when we're confronted with a

547  
00:26:57,220 --> 00:27:00,069  
challenging situation and we're

548  
00:26:58,690 --> 00:27:03,340  
desperate and we're afraid we're going

549  
00:27:00,069 --> 00:27:07,450  
to lose all of our food and those scary

550  
00:27:03,339 --> 00:27:11,169  
invaders are coming we turn to what we

551  
00:27:07,450 --> 00:27:15,330  
know and in 1932 what the farmers knew

552  
00:27:11,170 --> 00:27:17,950  
was war so we declared war on the emus

553  
00:27:15,329 --> 00:27:20,740  
now if you think amuse and nothing more

554  
00:27:17,950 --> 00:27:21,730  
than large funny-looking chickens I want

555  
00:27:20,740 --> 00:27:24,549  
to clear that out right now

556  
00:27:21,730 --> 00:27:26,710

they may have long skinny legs and tiny

557

00:27:24,549 --> 00:27:29,379

dumb wings and build goofy and fluffy

558

00:27:26,710 --> 00:27:31,360

but so were the dinosaurs and underneath

559

00:27:29,380 --> 00:27:33,280

all those feathers they pack one hell of

560

00:27:31,359 --> 00:27:35,589

a punch to the poor unsuspecting zoo

561

00:27:33,279 --> 00:27:37,450

keeper on their first week of work who

562

00:27:35,589 --> 00:27:39,429

forgot to bring the rake that day and

563

00:27:37,450 --> 00:27:42,009

was confronted by a horny EMU with no

564

00:27:39,430 --> 00:27:43,900

fear of humans not that I would know

565

00:27:42,009 --> 00:27:47,440

anything about that or harbor any

566

00:27:43,900 --> 00:27:49,840

unresolved feelings but that is where we

567

00:27:47,440 --> 00:27:51,880

were we decided that the best way to

568

00:27:49,839 --> 00:27:53,559

deal with an interrupted migration of

569

00:27:51,880 --> 00:27:55,660

our national emblem was to kill them

570

00:27:53,559 --> 00:28:00,309

with machine guns so that's what they



571  
00:27:55,660 --> 00:28:02,440  
tried to do emphasis on tried it turns

572  
00:28:00,309 --> 00:28:03,879  
out that when scared hungry animals are

573  
00:28:02,440 --> 00:28:05,890  
suddenly attacked and they don't

574  
00:28:03,880 --> 00:28:09,130  
understand what's happening they run

575  
00:28:05,890 --> 00:28:12,070  
away but they don't run as a mob the way

576  
00:28:09,130 --> 00:28:14,920  
the people expected them to run they run

577  
00:28:12,069 --> 00:28:15,819  
like emus which means the flock splits

578  
00:28:14,920 --> 00:28:17,769  
up into small

579  
00:28:15,819 --> 00:28:20,439  
and every mob runs in a different

580  
00:28:17,769 --> 00:28:23,378  
direction that wasn't in the battle plan

581  
00:28:20,440 --> 00:28:25,058  
and neither was weapon failure but when

582  
00:28:23,378 --> 00:28:27,849  
they were relying entirely on two

583  
00:28:25,058 --> 00:28:30,519  
machine guns against 20,000 emus with

584  
00:28:27,849 --> 00:28:32,829  
unorthodox retreat tactics they were

585  
00:28:30,519 --> 00:28:35,349  
destined for failure and the emus ran

586  
00:28:32,829 --> 00:28:37,478  
off and just ate some wheat a little bit

587  
00:28:35,349 --> 00:28:39,428  
further away they tried to improve their

588  
00:28:37,479 --> 00:28:40,840  
odds by making better weapons they

589  
00:28:39,429 --> 00:28:42,759  
mounted their guns on the back of a

590  
00:28:40,839 --> 00:28:45,099  
truck and drove around trying to shoot

591  
00:28:42,759 --> 00:28:46,989  
the emus at high speed but it turns out

592  
00:28:45,099 --> 00:28:48,428  
emus are actually better at running over

593  
00:28:46,989 --> 00:28:51,639  
rough ground than large trucks and

594  
00:28:48,429 --> 00:28:53,349  
shooting at them from a military truck

595  
00:28:51,638 --> 00:28:55,868  
that's bouncing around over rocks and

596  
00:28:53,348 --> 00:28:57,700  
hills is actually pretty hard it should

597  
00:28:55,868 --> 00:28:59,499  
be noted at this point that when the

598  
00:28:57,700 --> 00:29:01,808  
Australian military declared war on the

599

00:28:59,499 --> 00:29:04,960  
emus it wasn't a decision that was

600  
00:29:01,808 --> 00:29:07,089  
supported by all the people they made

601  
00:29:04,960 --> 00:29:09,249  
some very bad decisions killed some very

602  
00:29:07,089 --> 00:29:11,019  
confused Ami's and made themselves very

603  
00:29:09,249 --> 00:29:13,499  
unpopular with the general population

604  
00:29:11,019 --> 00:29:15,729  
who didn't want the emus killed and

605  
00:29:13,499 --> 00:29:17,368  
lucky for them that wasn't actually

606  
00:29:15,729 --> 00:29:20,319  
happening very much anyway

607  
00:29:17,368 --> 00:29:22,628  
at the end of the campaign they manage

608  
00:29:20,319 --> 00:29:25,470  
to kill roughly 5% of the invading Birds

609  
00:29:22,628 --> 00:29:28,089  
but it cost them 10 rounds per kill and

610  
00:29:25,470 --> 00:29:30,639  
most of their dignity before the

611  
00:29:28,089 --> 00:29:33,368  
eventual surrender and the emus declared

612  
00:29:30,638 --> 00:29:35,888  
victory after that they gave up on the

613  
00:29:33,368 --> 00:29:38,168

ME war and the surviving 95% of the

614

00:29:35,888 --> 00:29:40,898

local population hung around ate crops

615

00:29:38,169 --> 00:29:43,210

and made more emus in later years

616

00:29:40,898 --> 00:29:45,668

bounties were introduced and EMU numbers

617

00:29:43,210 --> 00:29:48,249

were slowly reduced to more sustainable

618

00:29:45,669 --> 00:29:50,099

levels so that we could share the land

619

00:29:48,249 --> 00:29:52,659

without having to give up our crops

620

00:29:50,098 --> 00:29:56,079

these days we have a fairly uneasy truce

621

00:29:52,659 --> 00:29:57,909

in place amuse our protected species and

622

00:29:56,079 --> 00:30:00,249

with the help of some better fencing

623

00:29:57,909 --> 00:30:02,559

technology and by ensuring that there's

624

00:30:00,249 --> 00:30:04,929

enough land out there for the emus to

625

00:30:02,558 --> 00:30:07,418

get by without our wheat things are

626

00:30:04,929 --> 00:30:09,070

going fairly ok but we live in fear of

627

00:30:07,419 --> 00:30:11,349

the day that the emus look over the

628  
00:30:09,069 --> 00:30:13,329  
fence and realize that the wheat really

629  
00:30:11,348 --> 00:30:15,230  
is greener on the other side and they

630  
00:30:13,329 --> 00:30:20,169  
might decide to just come take some

631  
00:30:15,230 --> 00:30:20,170  
[Music]

632  
00:30:20,509 --> 00:30:26,430  
the lesson that I take away from this is

633  
00:30:23,670 --> 00:30:29,160  
that when we mess with an ecosystem we

634  
00:30:26,430 --> 00:30:32,190  
can't always control what happens oh and

635  
00:30:29,160 --> 00:30:33,810  
when ecology goes bad and listing the

636  
00:30:32,190 --> 00:30:35,730  
military to declare war on nature

637  
00:30:33,809 --> 00:30:36,490  
probably isn't going to make things any

638  
00:30:35,730 --> 00:30:46,210  
better

639  
00:30:36,490 --> 00:30:46,210  
[Music]

640  
00:30:51,960 --> 00:30:55,130  
[Applause]

641  
00:30:58,730 --> 00:31:04,048  
hey Richard

642  
00:31:00,388 --> 00:31:05,490  
oh hi Trish hi would you like a coffee

643  
00:31:04,048 --> 00:31:07,769  
yeah thanks what are you working on I'm

644  
00:31:05,490 --> 00:31:10,069  
trying to come up with a new promo to

645  
00:31:07,769 --> 00:31:13,528  
play on the sceptic zone who's it for

646  
00:31:10,069 --> 00:31:16,048  
good thinking Society in the UK you know

647  
00:31:13,528 --> 00:31:17,669  
the oh yeah I know them the guys who

648  
00:31:16,048 --> 00:31:19,798  
recently chased the homeopaths out of

649  
00:31:17,669 --> 00:31:21,720  
the UK public health system oh did they

650  
00:31:19,798 --> 00:31:22,918  
yeah they campaigned and lobbied

651  
00:31:21,720 --> 00:31:26,069  
government for a while and now you

652  
00:31:22,919 --> 00:31:27,389  
cannot get homeopathy on the NHS so they

653  
00:31:26,069 --> 00:31:29,398  
can now spend public money on health

654  
00:31:27,388 --> 00:31:31,769  
care that works Yeah right look I'll

655  
00:31:29,398 --> 00:31:36,329  
mention that in the promo now their

656

00:31:31,769 --> 00:31:38,190  
website is good thinking Society org and

657  
00:31:36,329 --> 00:31:40,648  
that website is a good resource for

658  
00:31:38,190 --> 00:31:42,149  
learning more about quackery thanks

659  
00:31:40,648 --> 00:31:44,418  
Trish that gives me something good to

660  
00:31:42,148 --> 00:31:44,418  
think about

661  
00:31:47,069 --> 00:31:50,159  
[Music]

662  
00:31:55,019 --> 00:32:03,700  
[Music]

663  
00:31:59,789 --> 00:32:06,190  
now we we're walking down third Street

664  
00:32:03,700 --> 00:32:08,200  
here in San Francisco what a great lunch

665  
00:32:06,190 --> 00:32:10,930  
I just had with my old friend Mario

666  
00:32:08,200 --> 00:32:12,940  
shirt lender hello hello it's so great

667  
00:32:10,930 --> 00:32:15,039  
to have you here again thank you now

668  
00:32:12,940 --> 00:32:16,420  
skipping zone listeners and I'll link in

669  
00:32:15,039 --> 00:32:18,609  
the show notes may well remember a

670  
00:32:16,420 --> 00:32:21,610

couple years back we had a chat to Mario

671

00:32:18,609 --> 00:32:23,439

about the flat earth that's right yes in

672

00:32:21,609 --> 00:32:24,849

your article you world your article your

673

00:32:23,440 --> 00:32:27,759

interview ended up in the skeptic

674

00:32:24,849 --> 00:32:28,959

magazine as as a featured article yeah

675

00:32:27,759 --> 00:32:31,750

that was a lot of fun

676

00:32:28,960 --> 00:32:34,150

and thank you for giving me the

677

00:32:31,750 --> 00:32:37,890

opportunity to be an A flat publication

678

00:32:34,150 --> 00:32:40,090

not a published author well so to speak

679

00:32:37,890 --> 00:32:43,270

well what's the latest on the Flat Earth

680

00:32:40,089 --> 00:32:44,889

surely it's all gone away now and it was

681

00:32:43,269 --> 00:32:47,679

a big joke and nobody believes it

682

00:32:44,890 --> 00:32:52,420

anymore it was a big fat joke flat round

683

00:32:47,679 --> 00:32:55,210

joke no if only yeah I mean it died down

684

00:32:52,420 --> 00:32:56,710

a little bit and then it keeps coming in



685  
00:32:55,210 --> 00:32:59,769  
waves it depends usually it's when

686  
00:32:56,710 --> 00:33:02,558  
someone famous decides to challenge the

687  
00:32:59,769 --> 00:33:04,329  
institution and you know say that the

688  
00:33:02,558 --> 00:33:05,678  
world is flat and then everybody's you

689  
00:33:04,329 --> 00:33:08,710  
know there's a discussion then I start

690  
00:33:05,679 --> 00:33:10,780  
getting mentions and you know people

691  
00:33:08,710 --> 00:33:12,400  
thinking that oh there's something that

692  
00:33:10,779 --> 00:33:15,670  
you didn't think about and you know

693  
00:33:12,400 --> 00:33:18,759  
point it out but I just got an email I

694  
00:33:15,670 --> 00:33:20,529  
think a week ago from a random person

695  
00:33:18,759 --> 00:33:22,179  
that read the article and decided to

696  
00:33:20,529 --> 00:33:26,319  
write to me and tell me exactly where I

697  
00:33:22,179 --> 00:33:28,710  
got it wrong and I think the first

698  
00:33:26,319 --> 00:33:33,460  
paragraph starts with like something

699  
00:33:28,710 --> 00:33:35,259  
atrociously wrong on its own yeah it's

700  
00:33:33,460 --> 00:33:37,840  
just it just happens I just stopped

701  
00:33:35,259 --> 00:33:38,650  
answering honestly it's it just stopped

702  
00:33:37,839 --> 00:33:40,159  
being worth it

703  
00:33:38,650 --> 00:33:43,009  
who to

704  
00:33:40,160 --> 00:33:45,170  
just waste time answering yeah I I know

705  
00:33:43,009 --> 00:33:47,450  
what you mean I mean it's important for

706  
00:33:45,170 --> 00:33:49,460  
people like you and me and all skeptics

707  
00:33:47,450 --> 00:33:51,890  
to see what other people think what they

708  
00:33:49,460 --> 00:33:54,230  
write but then there comes a stage where

709  
00:33:51,890 --> 00:33:56,300  
I think it does your sanity a lot of

710  
00:33:54,230 --> 00:34:01,220  
harm to keep reading the drivel you know

711  
00:33:56,299 --> 00:34:03,859  
and some of its just confused hardly

712  
00:34:01,220 --> 00:34:06,589  
intelligible drivel really yeah and and

713

00:34:03,859 --> 00:34:08,599  
you know what I started reading the the

714  
00:34:06,589 --> 00:34:10,849  
email and it was very clear to me from

715  
00:34:08,599 --> 00:34:13,279  
the start that he didn't actually read

716  
00:34:10,849 --> 00:34:16,069  
the article so if you know sometimes I

717  
00:34:13,280 --> 00:34:17,950  
get questions from maybe you could see

718  
00:34:16,070 --> 00:34:21,080  
that it's like a kid or someone who's

719  
00:34:17,949 --> 00:34:23,809  
genuinely confused and then maybe I'll

720  
00:34:21,079 --> 00:34:25,579  
answer and I'll participate but that

721  
00:34:23,809 --> 00:34:27,769  
that email you could see that they

722  
00:34:25,579 --> 00:34:29,509  
clearly didn't read anything oh this way

723  
00:34:27,769 --> 00:34:31,940  
okay yeah we just where are we we're on

724  
00:34:29,510 --> 00:34:34,850  
the corner of well Indian Market Street

725  
00:34:31,940 --> 00:34:37,940  
Kearney and something else crossing over

726  
00:34:34,849 --> 00:34:40,369  
it's a nice winter's day here in San

727  
00:34:37,940 --> 00:34:40,789

Francisco it's Cleveland there's a chill

728

00:34:40,369 --> 00:34:43,909  
in the air

729

00:34:40,789 --> 00:34:46,759  
anyway I'm glad I've had the opportunity

730

00:34:43,909 --> 00:34:49,489  
to meet up with you once again Mario

731

00:34:46,760 --> 00:34:50,210  
because and I'm really looking forward

732

00:34:49,489 --> 00:34:52,579  
to this

733

00:34:50,210 --> 00:34:55,880  
you have probably one of the most

734

00:34:52,579 --> 00:35:00,019  
interesting jobs I can think about and

735

00:34:55,880 --> 00:35:03,470  
also best let you describe what you do

736

00:35:00,019 --> 00:35:06,259  
so I'm a software engineer and I lead

737

00:35:03,469 --> 00:35:09,319  
two teams the technical teams there we

738

00:35:06,260 --> 00:35:11,870  
commedia Foundation and we operate a

739

00:35:09,320 --> 00:35:14,840  
small website that you may have heard

740

00:35:11,869 --> 00:35:18,559  
about maybe you've used that sometimes

741

00:35:14,840 --> 00:35:21,440  
called Wikipedia well what's a wiki what

742  
00:35:18,559 --> 00:35:23,599  
what a wickedly of course well that's

743  
00:35:21,440 --> 00:35:26,720  
impressive my goodness me I mean I use

744  
00:35:23,599 --> 00:35:29,000  
it frequently and I must say frequently

745  
00:35:26,719 --> 00:35:31,250  
it's full of people saying the Earth's

746  
00:35:29,000 --> 00:35:35,269  
flat by the way it does have those

747  
00:35:31,250 --> 00:35:37,400  
occasionally but thankfully they need to

748  
00:35:35,269 --> 00:35:39,739  
bring citations to everything they say

749  
00:35:37,400 --> 00:35:41,690  
and that's where they fail ah and we

750  
00:35:39,739 --> 00:35:43,319  
hear that more and more so it's a

751  
00:35:41,690 --> 00:35:46,289  
citation needed

752  
00:35:43,320 --> 00:35:48,630  
yes that is the tenant I think that you

753  
00:35:46,289 --> 00:35:52,349  
know the Wikipedia exists on right like

754  
00:35:48,630 --> 00:35:54,660  
everything needs to be cited and you

755  
00:35:52,349 --> 00:35:58,349  
know well established so that everybody

756  
00:35:54,659 --> 00:36:01,969  
can enjoy actual information and not

757  
00:35:58,349 --> 00:36:04,199  
just opinions or guessing around so

758  
00:36:01,969 --> 00:36:07,949  
walking along we're just on the corner

759  
00:36:04,199 --> 00:36:09,889  
of Kearny and post if people are

760  
00:36:07,949 --> 00:36:12,119  
following us on their map on their

761  
00:36:09,889 --> 00:36:13,379  
Google map maybe I don't know because we

762  
00:36:12,119 --> 00:36:15,719  
were just chatting about giant

763  
00:36:13,380 --> 00:36:18,090  
software's and internet corporations

764  
00:36:15,719 --> 00:36:22,529  
before Google and Facebook and and

765  
00:36:18,090 --> 00:36:24,269  
what-have-you and yes a few people

766  
00:36:22,530 --> 00:36:27,930  
downtown it's not like the big tourist

767  
00:36:24,269 --> 00:36:29,369  
season no at the moment and so your

768  
00:36:27,929 --> 00:36:32,789  
office is down the street 'old away

769  
00:36:29,369 --> 00:36:36,269  
that's it this is it this is aqua we're

770

00:36:32,789 --> 00:36:40,009  
right here as we turn into the post

771  
00:36:36,269 --> 00:36:40,009  
Montgomery Center here we go

772  
00:36:40,380 --> 00:36:46,539  
through the glass doors thank you oh

773  
00:36:43,500 --> 00:36:49,449  
that's nice and now we're gonna go up

774  
00:36:46,539 --> 00:36:52,210  
the elevator this day just gets better

775  
00:36:49,449 --> 00:36:55,869  
and better I know it's a very complex

776  
00:36:52,210 --> 00:36:59,740  
entrance through a door into elevators

777  
00:36:55,869 --> 00:37:03,900  
ooh a swipe card this is this tells you

778  
00:36:59,739 --> 00:37:03,899  
which elevator very technical here we go

779  
00:37:05,070 --> 00:37:12,039  
I think moved here two years ago a year

780  
00:37:08,860 --> 00:37:14,170  
ago and the elevators don't have buttons

781  
00:37:12,039 --> 00:37:16,029  
I don't know if you can see that there's

782  
00:37:14,170 --> 00:37:18,280  
no buttons no there's door opening

783  
00:37:16,030 --> 00:37:18,910  
buttons and emergency button but that's

784  
00:37:18,280 --> 00:37:20,740

about it

785

00:37:18,909 --> 00:37:23,109

yeah that's because they read your card

786

00:37:20,739 --> 00:37:26,709

and they decide where to go for better

787

00:37:23,110 --> 00:37:29,230

or worse so you can't pop down to

788

00:37:26,710 --> 00:37:33,369

another floor to see someone no no

789

00:37:29,230 --> 00:37:35,019

unless you have the access card this is

790

00:37:33,369 --> 00:37:41,049

this is getting to be a little bit too

791

00:37:35,019 --> 00:37:43,210

high-tech around here there it is we can

792

00:37:41,050 --> 00:37:45,220

media foundation how about that all

793

00:37:43,210 --> 00:37:47,820

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

794

00:37:45,219 --> 00:37:47,819

a moment yes

795

00:37:49,639 --> 00:37:55,379

just had me the tour of the the

796

00:37:52,380 --> 00:37:57,480

Wikimedia here in San Francisco and lots

797

00:37:55,380 --> 00:37:59,610

of very friendly people was fascinating

798

00:37:57,480 --> 00:38:02,460

and we're up what fifteen stories I



799

00:37:59,610 --> 00:38:04,349  
think 1616 and we'll just sit down a

800

00:38:02,460 --> 00:38:08,460  
little little private corner here with a

801

00:38:04,349 --> 00:38:11,519  
giant window overlooking downtown San

802

00:38:08,460 --> 00:38:13,050  
Francisco and it's just mesmerizing I've

803

00:38:11,519 --> 00:38:15,480  
never I've never been up high in a

804

00:38:13,050 --> 00:38:18,630  
building in San Francisco and I noticed

805

00:38:15,480 --> 00:38:20,219  
walking around almost everybody has a

806

00:38:18,630 --> 00:38:22,230  
million-dollar view to look out of the

807

00:38:20,219 --> 00:38:25,439  
window how on earth do you concentrate

808

00:38:22,230 --> 00:38:28,679  
on doing wiki work I know I think that

809

00:38:25,440 --> 00:38:31,740  
we look out the window a lot it's

810

00:38:28,679 --> 00:38:34,759  
important yes doing it now you're right

811

00:38:31,739 --> 00:38:37,439  
here but I keep craning my neck over wow

812

00:38:34,760 --> 00:38:38,940  
how much to take a picture there's a bus

813  
00:38:37,440 --> 00:38:40,440  
for your health though when you work a

814  
00:38:38,940 --> 00:38:41,880  
lot on the computer to kind of shift

815  
00:38:40,440 --> 00:38:44,159  
your view for a couple of minutes

816  
00:38:41,880 --> 00:38:46,079  
outside and then go back so that's a

817  
00:38:44,159 --> 00:38:48,329  
very good thing that we have those those

818  
00:38:46,079 --> 00:38:50,309  
big windows here I will say though I

819  
00:38:48,329 --> 00:38:52,739  
might share is very close to one of

820  
00:38:50,309 --> 00:38:55,500  
those windows and at first there was no

821  
00:38:52,739 --> 00:38:57,869  
there's like a safety bar here where we

822  
00:38:55,500 --> 00:38:59,639  
said but there's a couple of windows

823  
00:38:57,869 --> 00:39:00,750  
that don't have that safety bar and I

824  
00:38:59,639 --> 00:39:02,819  
have to say it makes all the difference

825  
00:39:00,750 --> 00:39:04,260  
because if you don't notice for a minute

826  
00:39:02,820 --> 00:39:06,030  
you don't look you know at the window

827

00:39:04,260 --> 00:39:08,850  
and then some of you do look a little

828  
00:39:06,030 --> 00:39:10,320  
down your heart jumps about like you

829  
00:39:08,849 --> 00:39:12,389  
know just the the height that where you

830  
00:39:10,320 --> 00:39:13,559  
are yeah well it's quite staggering we

831  
00:39:12,389 --> 00:39:15,869  
were sitting in a comfortable chair

832  
00:39:13,559 --> 00:39:17,670  
there's a question and I'm leaning over

833  
00:39:15,869 --> 00:39:20,250  
now and I can almost see straight down

834  
00:39:17,670 --> 00:39:22,260  
but I'm not getting the sense of its

835  
00:39:20,250 --> 00:39:24,570  
because of the bar if we go to a window

836  
00:39:22,260 --> 00:39:26,490  
without a bar isn't that interesting

837  
00:39:24,570 --> 00:39:27,930  
isn't that interesting it's not to start

838  
00:39:26,489 --> 00:39:31,739  
screaming at you that there's nothing to

839  
00:39:27,929 --> 00:39:34,230  
hold on to so please tell tell the

840  
00:39:31,739 --> 00:39:37,489  
audience a little bit about what you do

841  
00:39:34,230 --> 00:39:39,719

here at Wikimedia so I lead two teams

842

00:39:37,489 --> 00:39:42,299

I'm a technical lead of the

843

00:39:39,719 --> 00:39:45,089

anti-harassment tools team so we are

844

00:39:42,300 --> 00:39:47,370

working as the name sounds we're working

845

00:39:45,090 --> 00:39:49,559

on giving tools to make sure that the

846

00:39:47,369 --> 00:39:51,420

experience of editors and users in

847

00:39:49,559 --> 00:39:55,289

general all of our websites including

848

00:39:51,420 --> 00:39:57,059

Wikipedia is is much better and that

849

00:39:55,289 --> 00:39:59,550

we're giving the proper tools to enable

850

00:39:57,059 --> 00:40:00,750

and like the social changes that are

851

00:39:59,550 --> 00:40:03,839

needed

852

00:40:00,750 --> 00:40:09,210

and the other team is the community tech

853

00:40:03,838 --> 00:40:12,809

team so we run every year a wish list

854

00:40:09,210 --> 00:40:16,318

where users of all of our projects can

855

00:40:12,809 --> 00:40:17,670

go in and kind of suggest features that

856  
00:40:16,318 --> 00:40:19,500  
they want or suggest that kind of

857  
00:40:17,670 --> 00:40:21,119  
projects that they want and there's a

858  
00:40:19,500 --> 00:40:22,619  
you know wish list

859  
00:40:21,119 --> 00:40:23,849  
period of time where they suggest and

860  
00:40:22,619 --> 00:40:26,220  
then a period of time where they vote

861  
00:40:23,849 --> 00:40:30,059  
and then that you know usually we get

862  
00:40:26,219 --> 00:40:31,289  
about the top 10 that we implement for

863  
00:40:30,059 --> 00:40:34,139  
them and make their life easier

864  
00:40:31,289 --> 00:40:37,019  
hopefully mm-hmm well listeners to the

865  
00:40:34,139 --> 00:40:39,299  
skip exam well no and because she's on

866  
00:40:37,019 --> 00:40:41,338  
this very episode of course susan gerbic

867  
00:40:39,300 --> 00:40:45,750  
from guerrilla skepticism on wikipedia

868  
00:40:41,338 --> 00:40:47,549  
and she's a lady who didn't know what

869  
00:40:45,750 --> 00:40:49,230  
would happen in her life and she got

870  
00:40:47,550 --> 00:40:51,720  
stuck into Wikipedia and it's really

871  
00:40:49,230 --> 00:40:54,750  
transformed her life but Wikipedia

872  
00:40:51,719 --> 00:40:58,679  
itself is it's enormous isn't it it's

873  
00:40:54,750 --> 00:41:01,318  
just it's hard to comprehend the scope

874  
00:40:58,679 --> 00:41:03,269  
of Wikipedia yeah we have so I think a

875  
00:41:01,318 --> 00:41:05,699  
lot of people don't know that we have we

876  
00:41:03,269 --> 00:41:07,530  
support I'm hoping not to get that

877  
00:41:05,699 --> 00:41:10,949  
number of wrong but it's about 380

878  
00:41:07,530 --> 00:41:12,750  
languages and each one of those

879  
00:41:10,949 --> 00:41:14,219  
languages is its own community so it's

880  
00:41:12,750 --> 00:41:16,289  
not like we have one community that then

881  
00:41:14,219 --> 00:41:18,059  
translates its like each one so Spanish

882  
00:41:16,289 --> 00:41:19,739  
Wikipedia is its own community English

883  
00:41:18,059 --> 00:41:23,190  
Wikipedia is its own community that have

884

00:41:19,739 --> 00:41:24,659  
its own rules and stuff like that and on

885  
00:41:23,190 --> 00:41:27,690  
top of that we don't have to just have

886  
00:41:24,659 --> 00:41:29,608  
Wikipedia we also have ten other

887  
00:41:27,690 --> 00:41:32,670  
projects which I'm going to forget some

888  
00:41:29,608 --> 00:41:34,710  
now but we have Wiki Commons which is

889  
00:41:32,670 --> 00:41:37,950  
where you know free images freely

890  
00:41:34,710 --> 00:41:40,619  
license image I use that yeah if if if

891  
00:41:37,949 --> 00:41:43,500  
you go to skip exam dot TV and scroll to

892  
00:41:40,619 --> 00:41:45,838  
the bottom of this the page for this

893  
00:41:43,500 --> 00:41:47,670  
podcast you'll see a couple of origami

894  
00:41:45,838 --> 00:41:49,019  
images that I put up but people can

895  
00:41:47,670 --> 00:41:50,700  
download and their own wiki Commons

896  
00:41:49,019 --> 00:41:52,949  
which is a convenient place to put them

897  
00:41:50,699 --> 00:41:54,539  
yeah and it's part of our thing of

898  
00:41:52,949 --> 00:41:57,328

sharing knowledge sharing images and

899

00:41:54,539 --> 00:42:00,929

free images so every Commons we have

900

00:41:57,329 --> 00:42:02,970

things like Wiktionary which is the free

901

00:42:00,929 --> 00:42:04,980

dictionary we have wikispecies we have a

902

00:42:02,969 --> 00:42:09,598

key books we have a key source so we

903

00:42:04,980 --> 00:42:13,409

have about 11 projects and almost each

904

00:42:09,599 --> 00:42:14,309

one of them has 380 languages so overall

905

00:42:13,409 --> 00:42:16,828

we have about nine

906

00:42:14,309 --> 00:42:21,329

hundred websites that we are kind of

907

00:42:16,829 --> 00:42:24,089

operating each basically their own more

908

00:42:21,329 --> 00:42:26,548

or less their own community with well so

909

00:42:24,088 --> 00:42:29,670

it's very very big and you were telling

910

00:42:26,548 --> 00:42:32,130

me before that this whole place much

911

00:42:29,670 --> 00:42:34,920

like the skeptic zone I hasten to to say

912

00:42:32,130 --> 00:42:36,749

couldn't exist without donations and



913  
00:42:34,920 --> 00:42:38,670  
contributions we are a hundred percent

914  
00:42:36,748 --> 00:42:41,669  
donation based yes that's a hundred

915  
00:42:38,670 --> 00:42:44,219  
percent amazing yeah you know if people

916  
00:42:41,670 --> 00:42:47,338  
think of the scope of what Wikipedia we

917  
00:42:44,219 --> 00:42:49,438  
can media do it's mind-blowing and and

918  
00:42:47,338 --> 00:42:51,449  
it's because of the the support from the

919  
00:42:49,438 --> 00:42:53,129  
community a hundred percent yeah we have

920  
00:42:51,449 --> 00:42:54,688  
a promise to our users that way because

921  
00:42:53,130 --> 00:42:57,619  
once you stop using donations if you

922  
00:42:54,688 --> 00:43:00,358  
start using you know commercials or ads

923  
00:42:57,619 --> 00:43:02,729  
then the question about how much you're

924  
00:43:00,358 --> 00:43:05,130  
biased comes in right like because if

925  
00:43:02,728 --> 00:43:06,448  
someone pays for you know to put stuff

926  
00:43:05,130 --> 00:43:08,009  
on their content then maybe they don't

927

00:43:06,449 --> 00:43:09,599  
like something you'll start editing for

928

00:43:08,009 --> 00:43:12,599  
them and stuff like that so we have a

929

00:43:09,599 --> 00:43:14,670  
promise to not ever do that and we're

930

00:43:12,599 --> 00:43:17,519  
100% donation based that's fantastic

931

00:43:14,670 --> 00:43:19,079  
because I as listeners now on the

932

00:43:17,518 --> 00:43:21,178  
skeptics and there are commercial breaks

933

00:43:19,079 --> 00:43:24,749  
every between every report and every

934

00:43:21,179 --> 00:43:27,150  
segment you'll hear and bad but I'll say

935

00:43:24,748 --> 00:43:29,578  
I don't I don't take a dime for those

936

00:43:27,150 --> 00:43:30,809  
they're they're just I play those

937

00:43:29,579 --> 00:43:32,219  
because I think they're the sort of

938

00:43:30,809 --> 00:43:33,929  
things that people should know about and

939

00:43:32,219 --> 00:43:37,199  
I like to support other podcasts first

940

00:43:33,929 --> 00:43:40,499  
on and if people then decide to send

941

00:43:37,199 --> 00:43:41,699  
their money to another podcast but no

942  
00:43:40,498 --> 00:43:46,048  
it's because I think it's the right

943  
00:43:41,699 --> 00:43:47,999  
thing to do yeah yeah yeah no we are and

944  
00:43:46,048 --> 00:43:49,588  
and I think the important thing to kind

945  
00:43:47,998 --> 00:43:53,488  
of like remember also is that Wikipedia

946  
00:43:49,588 --> 00:43:55,199  
and again all the other websites they

947  
00:43:53,489 --> 00:43:56,699  
are run by the volunteers all over the

948  
00:43:55,199 --> 00:43:58,699  
world so what the Wikimedia Foundation

949  
00:43:56,699 --> 00:44:01,079  
is doing is supporting those communities

950  
00:43:58,699 --> 00:44:03,269  
and a lot of the employees here

951  
00:44:01,079 --> 00:44:05,249  
including me we are volunteers also in

952  
00:44:03,268 --> 00:44:07,588  
our like you know volunteer time like

953  
00:44:05,248 --> 00:44:09,538  
you know I do edit but that is my in my

954  
00:44:07,588 --> 00:44:12,599  
private capacity like you know as part

955  
00:44:09,539 --> 00:44:14,009

of staff here we are not responsible for

956

00:44:12,599 --> 00:44:15,869

content we're not responding we're not

957

00:44:14,009 --> 00:44:17,670

touching those this is you know the

958

00:44:15,869 --> 00:44:18,719

communities do that we are responsible

959

00:44:17,670 --> 00:44:20,130

to make sure that they have the tools

960

00:44:18,719 --> 00:44:22,048

that they need that they have the

961

00:44:20,130 --> 00:44:24,239

support that they need that you know

962

00:44:22,048 --> 00:44:25,440

they're empowered to do that to make

963

00:44:24,239 --> 00:44:27,358

sure that our mission

964

00:44:25,440 --> 00:44:29,369

you know comes true will keep the

965

00:44:27,358 --> 00:44:32,460

backend going right that's right no no

966

00:44:29,369 --> 00:44:34,920

no wow how fascinating how lucky am I to

967

00:44:32,460 --> 00:44:37,050

get a little tour of this amazing place

968

00:44:34,920 --> 00:44:38,760

and again you know I'm not being rude

969

00:44:37,050 --> 00:44:42,420

but we keep looking out the window both

970  
00:44:38,760 --> 00:44:45,060  
of us because there goes the tram the F

971  
00:44:42,420 --> 00:44:46,829  
the F line yeah yeah there it goes so

972  
00:44:45,059 --> 00:44:48,449  
the waters down that way oh there's the

973  
00:44:46,829 --> 00:44:49,950  
hobart building i know that yes I've

974  
00:44:48,449 --> 00:44:52,889  
walked up and down there many many times

975  
00:44:49,949 --> 00:44:54,868  
and I met you for lunch right there

976  
00:44:52,889 --> 00:44:58,469  
right there and I can see near the

977  
00:44:54,869 --> 00:45:00,300  
escalator fantastic memorial again well

978  
00:44:58,469 --> 00:45:02,429  
it's such a treat to see you

979  
00:45:00,300 --> 00:45:04,170  
again because we're old friends since

980  
00:45:02,429 --> 00:45:07,068  
you stuck a pie in my face many years

981  
00:45:04,170 --> 00:45:10,470  
ago we were just remembering that fight

982  
00:45:07,068 --> 00:45:12,900  
and thank you for giving me a little to

983  
00:45:10,469 --> 00:45:14,089  
of Wikimedia oh my pleasure

984  
00:45:12,900 --> 00:45:17,530  
thank you for coming

985  
00:45:14,090 --> 00:45:17,530  
[Music]

986  
00:45:23,159 --> 00:45:28,539  
hello and Allah needle on solo scoffs of

987  
00:45:26,409 --> 00:45:30,909  
did moments been to an atlas an outer

988  
00:45:28,539 --> 00:45:35,529  
skeptic zone for weed to stop and Katie

989  
00:45:30,909 --> 00:45:40,799  
snide anchor a meeting for Marcy fauna

990  
00:45:35,530 --> 00:45:40,800  
we may be but skeptics own burn Stevie

991  
00:45:41,349 --> 00:45:45,409  
[Applause]

992  
00:45:42,239 --> 00:45:45,409  
[Music]

993  
00:45:47,039 --> 00:45:55,679  
that looks good enough to eat

994  
00:45:49,420 --> 00:46:03,700  
or does it here's the diet skeptic

995  
00:45:55,679 --> 00:46:06,299  
mandelino ball hello skeptic zone

996  
00:46:03,699 --> 00:46:06,299  
listeners

997  
00:46:07,289 --> 00:46:20,199  
Mandee Lee noble here this week I have

998

00:46:16,630 --> 00:46:22,450  
an extra mini report for you where I'm

999  
00:46:20,199 --> 00:46:25,149  
going to share a news item from The

1000  
00:46:22,449 --> 00:46:29,169  
Sunday Telegraph which is printed in

1001  
00:46:25,150 --> 00:46:31,599  
Sydney Australia the news article is

1002  
00:46:29,170 --> 00:46:33,880  
from Jane Hansen who was this year's

1003  
00:46:31,599 --> 00:46:37,900  
winner of the inaugural barry williams

1004  
00:46:33,880 --> 00:46:40,990  
award for skeptical journalism the

1005  
00:46:37,900 --> 00:46:43,690  
report is on barber o'neill naturopath

1006  
00:46:40,989 --> 00:46:47,259  
and the wife of infamous anti bats

1007  
00:46:43,690 --> 00:46:49,710  
campaigner Michael O'Neill Barbour

1008  
00:46:47,260 --> 00:46:52,900  
O'Neill is being investigated for

1009  
00:46:49,710 --> 00:46:55,769  
dangerous recommendations for infant

1010  
00:46:52,900 --> 00:46:59,400  
feeding cancer care and immunization I

1011  
00:46:55,769 --> 00:47:02,469  
will now read to you from Jane's article

1012  
00:46:59,400 --> 00:47:03,849

naturopaths cancer healing claims under

1013

00:47:02,469 --> 00:47:07,719

the microscope

1014

00:47:03,849 --> 00:47:10,269

a naturopath who charges as much as

1015

00:47:07,719 --> 00:47:12,759

three thousand one hundred dollars a

1016

00:47:10,269 --> 00:47:15,730

week for health retreats is under

1017

00:47:12,760 --> 00:47:17,710

investigation by the health watchdog for

1018

00:47:15,730 --> 00:47:20,860

allegedly making false claims about

1019

00:47:17,710 --> 00:47:23,590

cancer and vaccinations Barber O'Neill

1020

00:47:20,860 --> 00:47:26,920

who is described on her misty mountain

1021

00:47:23,590 --> 00:47:30,670

health retreat website as a world-famous

1022

00:47:26,920 --> 00:47:33,130

health lecturer may be in breach of the

1023

00:47:30,670 --> 00:47:35,260

health care complaints commissions code

1024

00:47:33,130 --> 00:47:38,230

of conduct for unread

1025

00:47:35,260 --> 00:47:42,550

Stud health practitioners unlike doctors

1026

00:47:38,230 --> 00:47:45,429

naturopaths are unregistered and only



1027  
00:47:42,550 --> 00:47:48,250  
covered by a code of conduct under the

1028  
00:47:45,429 --> 00:47:52,059  
code a health practitioner must not make

1029  
00:47:48,250 --> 00:47:54,460  
claims either directly or in advertising

1030  
00:47:52,059 --> 00:47:57,480  
or promotional material about the

1031  
00:47:54,460 --> 00:48:00,010  
efficacy of treatments or services

1032  
00:47:57,480 --> 00:48:02,369  
provided if those claims cannot be

1033  
00:48:00,010 --> 00:48:06,250  
substantiated the Sunday Telegraph

1034  
00:48:02,369 --> 00:48:08,859  
understands the HCC SI launched an

1035  
00:48:06,250 --> 00:48:11,920  
investigation after receiving numerous

1036  
00:48:08,860 --> 00:48:13,720  
complaints from concerned citizens and

1037  
00:48:11,920 --> 00:48:16,480  
registered health practitioners

1038  
00:48:13,719 --> 00:48:19,599  
complaints allege that miss O'Neill

1039  
00:48:16,480 --> 00:48:23,550  
treats cancer patients with bicarbonate

1040  
00:48:19,599 --> 00:48:28,299  
of soda wraps to alkalize the body and

1041  
00:48:23,550 --> 00:48:31,539  
recommends a diet to kill cancer so for

1042  
00:48:28,300 --> 00:48:32,650  
cancer it's no fruit for six weeks no

1043  
00:48:31,539 --> 00:48:35,050  
wheat for six weeks

1044  
00:48:32,650 --> 00:48:37,150  
very little carbohydrate so what did

1045  
00:48:35,050 --> 00:48:40,810  
they eat lots of legumes lots of

1046  
00:48:37,150 --> 00:48:44,769  
vegetables nuts and seeds she said in

1047  
00:48:40,809 --> 00:48:47,610  
one of her online videos miss O'Neill

1048  
00:48:44,769 --> 00:48:50,530  
claims in her numerous videos

1049  
00:48:47,610 --> 00:48:54,700  
presentations that antibiotics cause

1050  
00:48:50,530 --> 00:48:57,970  
cancer and the human body was designed

1051  
00:48:54,699 --> 00:49:01,929  
to heal itself and does not need to be

1052  
00:48:57,969 --> 00:49:04,899  
vaccinated she also claims neurotoxins

1053  
00:49:01,929 --> 00:49:09,789  
in vaccines have caused an epidemic of

1054  
00:49:04,900 --> 00:49:12,460  
ADHD autism epilepsy and Cod death there

1055

00:49:09,789 --> 00:49:16,090  
is no scientific evidence for any of

1056  
00:49:12,460 --> 00:49:18,220  
these claims miss O'Neill runs the misty

1057  
00:49:16,090 --> 00:49:20,650  
mountain health retreat at Bellbrook

1058  
00:49:18,219 --> 00:49:23,559  
near Kempsey with husband Michael

1059  
00:49:20,650 --> 00:49:27,789  
O'Neill who set up the involuntary

1060  
00:49:23,559 --> 00:49:32,590  
medication objectors party in 2015 and

1061  
00:49:27,789 --> 00:49:34,210  
the health Australia party in 2016 to

1062  
00:49:32,590 --> 00:49:36,970  
run in the federal election on a

1063  
00:49:34,210 --> 00:49:41,349  
platform against vaccination programs

1064  
00:49:36,969 --> 00:49:43,089  
and water fluoridation mr. O'Neill has

1065  
00:49:41,349 --> 00:49:46,690  
campaigned against The Sunday Telegraph

1066  
00:49:43,090 --> 00:49:47,900  
no jab no play and no job no pay

1067  
00:49:46,690 --> 00:49:51,710  
campaigns

1068  
00:49:47,900 --> 00:49:53,809  
on her website miss O'Neal advises

1069  
00:49:51,710 --> 00:49:56,809

mothers who cannot breastfeed to avoid

1070

00:49:53,809 --> 00:50:00,079

infant formula in favor of almond milk

1071

00:49:56,809 --> 00:50:02,660

blended with dates or banana she advises

1072

00:50:00,079 --> 00:50:06,380

not to feed solids or grains until a

1073

00:50:02,659 --> 00:50:08,568

child smylazar in professor Jane Scott

1074

00:50:06,380 --> 00:50:11,150

who co-authored the National Health and

1075

00:50:08,568 --> 00:50:13,818

Medical Research Council's Australian

1076

00:50:11,150 --> 00:50:16,099

infant feeding guidelines said such

1077

00:50:13,818 --> 00:50:20,298

substitutes for breast milk or infant

1078

00:50:16,099 --> 00:50:23,269

formula were definitely not safe there

1079

00:50:20,298 --> 00:50:26,079

is a real danger here for infants and

1080

00:50:23,268 --> 00:50:29,868

C's will not support healthy growth and

1081

00:50:26,079 --> 00:50:34,028

development professor Scott said miss

1082

00:50:29,869 --> 00:50:34,028

O'Neill was approached for comment

1083

00:50:35,920 --> 00:50:41,650

nice work Jane and bye for now skeptics

1084  
00:50:58,338 --> 00:51:04,469  
thank you for listening to the skeptic

1085  
00:51:01,108 --> 00:51:09,420  
zone now coming up this week in Sydney

1086  
00:51:04,469 --> 00:51:12,029  
on the 10th of January skeptics in the

1087  
00:51:09,420 --> 00:51:16,889  
pub at the Occidental hotel and it's an

1088  
00:51:12,030 --> 00:51:20,519  
open mic night I might be there

1089  
00:51:16,889 --> 00:51:22,259  
I might not I'm not sure I am in San

1090  
00:51:20,519 --> 00:51:23,608  
Francisco in the United States here for

1091  
00:51:22,260 --> 00:51:28,140  
a little while longer than anticipated

1092  
00:51:23,608 --> 00:51:30,719  
but life can be strange enjoying the

1093  
00:51:28,139 --> 00:51:33,659  
cool weather of course nevertheless if

1094  
00:51:30,719 --> 00:51:34,858  
you are in Sydney the 10th of January is

1095  
00:51:33,659 --> 00:51:37,288  
the date you should head for the

1096  
00:51:34,858 --> 00:51:41,098  
Occidental hotel just near Wynyard

1097  
00:51:37,289 --> 00:51:44,819  
station for skeptics in the pub and open

1098  
00:51:41,099 --> 00:51:46,980  
mic night but for this week this is

1099  
00:51:44,818 --> 00:51:53,670  
Richard Saunders signing off from the

1100  
00:51:46,980 --> 00:51:55,710  
Bay Area San Francisco you've been

1101  
00:51:53,670 --> 00:52:02,639  
listening to the skeptic zone podcast

1102  
00:51:55,710 --> 00:52:05,099  
please visit our website at [wwlp.com](http://wwlp.com) tax

1103  
00:52:02,639 --> 00:52:09,000  
and to access the bat catalog of

1104  
00:52:05,099 --> 00:52:10,859  
episodes going back to 2008 you can

1105  
00:52:09,000 --> 00:52:13,920  
follow the skeptic zone podcast on

1106  
00:52:10,858 --> 00:52:16,199  
twitter at skeptic zone visit our

1107  
00:52:13,920 --> 00:52:17,088  
facebook page or leave a review on

1108  
00:52:16,199 --> 00:52:19,769  
itunes

1109  
00:52:17,088 --> 00:52:23,159  
you can also support the skeptic zone

1110  
00:52:19,769 --> 00:52:25,880  
via patreon or PayPal the skeptic zone

1111  
00:52:23,159 --> 00:52:28,259  
podcast is an independent production

1112

00:52:25,880 --> 00:52:30,358  
reviews and opinions expressed on the

1113  
00:52:28,260 --> 00:52:32,730  
skeptical zone are not necessarily those

1114  
00:52:30,358 --> 00:52:34,529  
of Australian skeptics or any other

1115  
00:52:32,730 --> 00:52:40,820  
sceptical organisation

1116  
00:52:34,530 --> 00:52:40,820  
[Music]