

Show 492

THE
**SKEPTIC
ZONE**
PODCAST

25 March 2018

www.skepticzone.tv

Britt Hermes update

Rob and Susan from GSoW reply

Homeopathy on last, last legs in the UK

Road Blocks to Good Science Panel excerpt



Rachael Dunlop - Cara Santa Maria - Britt Hermes

1
00:00:09,089 --> 00:00:05,970

[Music]

2
00:00:11,830 --> 00:00:09,099

welcome to the skeptic zone the podcast

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

from Australia for science and reason

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

[Music]

5
00:00:23,190 --> 00:00:16,890

[Applause]

6
00:00:26,110 --> 00:00:23,200

[Music]

7
00:00:30,850 --> 00:00:26,120

yes it's a skeptic zone podcast episode

8
00:00:34,830 --> 00:00:30,860

number 492 for the 25th of March 2018

9
00:00:37,750 --> 00:00:34,840

Richard Saunders here with you from a

10
00:00:40,240 --> 00:00:37,760

blue sky I think there could be some

11
00:00:43,210 --> 00:00:40,250

rain later on Sydney Australia the

12
00:00:44,619 --> 00:00:43,220

seasons are turning the I think we've

13
00:00:47,890 --> 00:00:44,629

seen the last of the stinking hot

14

00:00:49,650 --> 00:00:47,900

weather I hope so and slowly but surely

15

00:00:52,780 --> 00:00:49,660

autumn is here

16

00:00:56,560 --> 00:00:52,790

although March and April can be a bit

17

00:00:58,030 --> 00:00:56,570

funny I know you don't tune in to the

18

00:00:59,490 --> 00:00:58,040

skeptics under here Sydney weather

19

00:01:01,840 --> 00:00:59,500

reports but there you go

20

00:01:04,210 --> 00:01:01,850

coming up on this week's show we're

21

00:01:07,210 --> 00:01:04,220

gonna start with the update the recent

22

00:01:09,969 --> 00:01:07,220

update to the BRIT Hermes defense fund

23

00:01:12,190 --> 00:01:09,979

story you will recall that Britt Hermes

24

00:01:14,860 --> 00:01:12,200

was a former naturopath she's now living

25

00:01:17,770 --> 00:01:14,870

in Germany who writes very strongly

26
00:01:20,020 --> 00:01:17,780
against the practices of naturopath and

27
00:01:22,300 --> 00:01:20,030
she's been threatened with legal action

28
00:01:25,300 --> 00:01:22,310
well the Australian skeptics and others

29
00:01:28,749 --> 00:01:25,310
rallied to her defense to create a legal

30
00:01:31,539 --> 00:01:28,759
defense fund so I shall be telling you

31
00:01:33,880 --> 00:01:31,549
in a little while what the latest status

32
00:01:36,910 --> 00:01:33,890
of that defense fund is and it's all

33
00:01:42,279 --> 00:01:36,920
looking very good skeptical action on

34
00:01:44,050 --> 00:01:42,289
display following that it's a reply in

35
00:01:45,670 --> 00:01:44,060
the sense to the story we brought you

36
00:01:48,819 --> 00:01:45,680
last week the interview with Kiera

37
00:01:50,709 --> 00:01:48,829
alferov from Berlin who wrote a piece

38
00:01:52,209 --> 00:01:50,719

about the problems with the skeptical

39

00:01:55,929 --> 00:01:52,219

movement or why the skeptical movement

40

00:01:58,469 --> 00:01:55,939

has not been as successful as we've been

41

00:02:01,690 --> 00:01:58,479

led to believe maybe in his opinion

42

00:02:04,569 --> 00:02:01,700

listening listening to the podcast was

43

00:02:06,279 --> 00:02:04,579

Rob palmer and susan gerbic from

44

00:02:07,989 --> 00:02:06,289

guerrilla skepticism on wikipedia and

45

00:02:11,980 --> 00:02:07,999

they contacted me and i contacted them

46

00:02:14,350 --> 00:02:11,990

and you'll hear their reply to some of

47

00:02:17,710 --> 00:02:14,360

the points raised in that story last

48

00:02:20,530 --> 00:02:17,720

week and it's nice to have a bit of a

49

00:02:22,630 --> 00:02:20,540

back-and-forth on any topic after that

50

00:02:26,590 --> 00:02:22,640

we're going to bring you a report from

51
00:02:29,140 --> 00:02:26,600
The Times newspaper from the UK about a

52
00:02:30,490 --> 00:02:29,150
homeopathic hospital a few weeks ago on

53
00:02:32,870 --> 00:02:30,500
the sceptic Zone we interviewed Michael

54
00:02:36,680 --> 00:02:32,880
Marshall from the good thinking Society

55
00:02:40,400 --> 00:02:36,690
about the decline the long and winding

56
00:02:43,490 --> 00:02:40,410
road long and slow decline of homeopathy

57
00:02:45,680 --> 00:02:43,500
in the United Kingdom and this Times

58
00:02:47,600 --> 00:02:45,690
story does revolve around the

59
00:02:51,050 --> 00:02:47,610
homeopathic hospitals mentioned by

60
00:02:52,940 --> 00:02:51,060
Michael Marshall some weeks ago then to

61
00:02:56,960 --> 00:02:52,950
round off the show I'm going to play a

62
00:03:01,250 --> 00:02:56,970
clip from a panel which I was very

63
00:03:04,010 --> 00:03:01,260

honored to chair in Las Vegas at saikhan

64

00:03:06,380 --> 00:03:04,020

last year the panel was all about the

65

00:03:09,560 --> 00:03:06,390

problems of science or the roadblocks to

66

00:03:12,530 --> 00:03:09,570

good science and the panel members were

67

00:03:15,080 --> 00:03:12,540

dr. H he developed dr. Rachel our

68

00:03:17,510 --> 00:03:15,090

reporter and noted scientist in her own

69

00:03:19,040 --> 00:03:17,520

right of course Cara Santa Maria you

70

00:03:21,140 --> 00:03:19,050

know from the skeptics guide to the

71

00:03:23,720 --> 00:03:21,150

universe and the aforementioned

72

00:03:26,780 --> 00:03:23,730

writ Hermes and what a wonderful panel

73

00:03:28,850 --> 00:03:26,790

that was I was just sitting back sort of

74

00:03:31,790 --> 00:03:28,860

steering the conversation but really it

75

00:03:33,800 --> 00:03:31,800

was those three scientists who had the

76

00:03:36,500 --> 00:03:33,810

lion's share and they were far more

77

00:03:41,240 --> 00:03:36,510

knowledgeable than me anyway I'll play

78

00:03:42,980 --> 00:03:41,250

you the last part of that panel and I'll

79

00:03:44,930 --> 00:03:42,990

put a link in the show notes to the full

80

00:03:48,340 --> 00:03:44,940

panel which goes for an hour and 20

81

00:03:51,710 --> 00:03:48,350

minutes something like that a video that

82

00:03:54,830 --> 00:03:51,720

the Center for inquire of recently put

83

00:03:57,800 --> 00:03:54,840

online oh and you'll hear some laughter

84

00:03:59,810 --> 00:03:57,810

not long after the clip starts that's

85

00:04:03,230 --> 00:03:59,820

when George Rab walked on stage with a

86

00:04:06,860 --> 00:04:03,240

bucket of ice and water it was a bit of

87

00:04:10,640 --> 00:04:06,870

a running gag now after those people who

88

00:04:12,710 --> 00:04:10,650

wrote in to me desperate to know what

89

00:04:14,480 --> 00:04:12,720

the winning score was when we did the

90

00:04:16,000 --> 00:04:14,490

skeptics in the pub the trivia now I've

91

00:04:19,160 --> 00:04:16,010

been playing the trivia over the last

92

00:04:21,770 --> 00:04:19,170

month here on the sceptic Zone we had 60

93

00:04:24,350 --> 00:04:21,780

questions I think some questions were

94

00:04:27,110 --> 00:04:24,360

worth more than one question each but

95

00:04:28,790 --> 00:04:27,120

nevertheless at the pub when we were

96

00:04:32,480 --> 00:04:28,800

playing in the pub the winning team was

97

00:04:36,680 --> 00:04:32,490

called the lepers and they had a winning

98

00:04:38,750 --> 00:04:36,690

score of 54 very high score a winning

99

00:04:41,480 --> 00:04:38,760

score of 54 so those people who were

100

00:04:44,630 --> 00:04:41,490

wondering what other people got out of

101
00:04:45,640 --> 00:04:44,640
the 60 odd questions 54 was the winning

102
00:04:49,030 --> 00:04:45,650
score

103
00:04:50,219 --> 00:04:49,040
and I would like to also tell you and

104
00:04:54,150 --> 00:04:50,229
this is something that I've been

105
00:04:57,219 --> 00:04:54,160
involved with for many years way back in

106
00:05:00,150 --> 00:04:57,229
2001 one of the first things I did when

107
00:05:03,219 --> 00:05:00,160
I joined the Australian skeptics was to

108
00:05:05,170 --> 00:05:03,229
digitize all the back issues of the

109
00:05:07,150 --> 00:05:05,180
magazine the skeptic from the Australian

110
00:05:09,100 --> 00:05:07,160
skeptics and that took the best part of

111
00:05:11,890 --> 00:05:09,110
a year because I recreated all the back

112
00:05:13,840 --> 00:05:11,900
issues and the page layout program to

113
00:05:17,140 --> 00:05:13,850

make nice clean PDFs because the

114

00:05:18,730 --> 00:05:17,150

original copies weren't so good and for

115

00:05:24,370 --> 00:05:18,740

other reasons but that doesn't matter

116

00:05:27,310 --> 00:05:24,380

however the first ten years or so it was

117

00:05:30,279 --> 00:05:27,320

decided only to use highlights from the

118

00:05:32,800 --> 00:05:30,289

magazines each of those magazines in a

119

00:05:35,170 --> 00:05:32,810

section under a section on water

120

00:05:37,870 --> 00:05:35,180

divining or astrology and that was fine

121

00:05:41,439 --> 00:05:37,880

but it was decided recently or last year

122

00:05:44,350 --> 00:05:41,449

to fully digitized all back issues of

123

00:05:46,420 --> 00:05:44,360

the skeptic magazine and I've been

124

00:05:48,760 --> 00:05:46,430

working on that now for quite some time

125

00:05:51,189 --> 00:05:48,770

bit by bit because a lot of issues were

126
00:05:52,990 --> 00:05:51,199
very in very poor condition because they

127
00:05:55,000 --> 00:05:53,000
were photocopies of photocopies and

128
00:05:56,620 --> 00:05:55,010
sometimes the text had sort of

129
00:05:58,300 --> 00:05:56,630
disappeared and it was a matter of

130
00:06:02,080 --> 00:05:58,310
recreating articles and things like that

131
00:06:04,779 --> 00:06:02,090
an interesting process but now all the

132
00:06:08,170 --> 00:06:04,789
back issues of the skeptic magazines in

133
00:06:10,469 --> 00:06:08,180
their entirety up till I think last year

134
00:06:13,360 --> 00:06:10,479
sometime are available online

135
00:06:15,939 --> 00:06:13,370
ww skeptics comdata you click the

136
00:06:18,820 --> 00:06:15,949
magazine link all the back issues and

137
00:06:21,790 --> 00:06:18,830
what I've done and you might consider

138
00:06:25,689 --> 00:06:21,800

doing something like this if you for

139

00:06:28,149 --> 00:06:25,699

example I have an iPad if you go to that

140

00:06:32,170 --> 00:06:28,159

site on your iPad surf there um Safari

141

00:06:34,540 --> 00:06:32,180

and click on one of the PDFs then it

142

00:06:37,360 --> 00:06:34,550

loads into your Safari if you then click

143

00:06:39,310 --> 00:06:37,370

the little export button at the top of

144

00:06:42,250 --> 00:06:39,320

the page you can open that PDF in your

145

00:06:44,290 --> 00:06:42,260

iBooks right on your iPad and by doing

146

00:06:46,120 --> 00:06:44,300

that you can save the entire back

147

00:06:49,710 --> 00:06:46,130

catalogue of the skeptic magazine to

148

00:06:52,779 --> 00:06:49,720

your device and I've tried this out and

149

00:06:56,409 --> 00:06:52,789

works fine takes a little time to do all

150

00:06:58,089 --> 00:06:56,419

that but now I carry around with me the

151

00:06:59,420 --> 00:06:58,099

entire history of the Australian

152

00:07:02,930 --> 00:06:59,430

skeptics is

153

00:07:05,750 --> 00:07:02,940

reported in the skeptic magazine a great

154

00:07:07,160 --> 00:07:05,760

reference great reading I'm doing a

155

00:07:09,260 --> 00:07:07,170

plane trip soon that'll be interesting

156

00:07:12,710 --> 00:07:09,270

reading for me and it's an invaluable

157

00:07:16,160 --> 00:07:12,720

resource for any anyone involved in

158

00:07:18,380 --> 00:07:16,170

skeptical studying history of the

159

00:07:20,660 --> 00:07:18,390

skeptics what we thought of this topical

160

00:07:23,240 --> 00:07:20,670

that topic over many many years anyway

161

00:07:24,740 --> 00:07:23,250

certainly worth checking out stay tuned

162

00:07:27,620 --> 00:07:24,750

at the end of the show we're going to

163

00:07:29,000 --> 00:07:27,630

have another dice challenge every few

164

00:07:32,000 --> 00:07:29,010

months on the skeptic zone I roll a

165

00:07:32,390 --> 00:07:32,010

number of dice sky dice here they are

166

00:07:36,980 --> 00:07:32,400

now

167

00:07:38,870 --> 00:07:36,990

I have a standard six-sided one that's

168

00:07:40,850 --> 00:07:38,880

you're very familiar with a 10 sided one

169

00:07:43,310 --> 00:07:40,860

which a lot of fun good for psychic

170

00:07:48,110 --> 00:07:43,320

tests 10-sided dice actually good for

171

00:07:50,570 --> 00:07:48,120

mathematics I have a 30 sided dice and a

172

00:07:51,980 --> 00:07:50,580

60 sided so we'll give that all a go at

173

00:07:54,710 --> 00:07:51,990

the end of the show and you can use your

174

00:07:55,790 --> 00:07:54,720

psychic predicting powers hmm but now

175

00:07:57,920 --> 00:07:55,800

it's time for me to run downstairs

176

00:08:01,540 --> 00:07:57,930

before running quickly back upstairs to

177

00:08:04,250 --> 00:08:01,550

continue the show run downstairs and

178

00:08:05,660 --> 00:08:04,260

won't disturb the cats they're behind me

179

00:08:07,810 --> 00:08:05,670

at the moment once sleeping on the other

180

00:08:12,730 --> 00:08:07,820

chair and once sleeping on top of the

181

00:08:17,140 --> 00:08:14,410

and I think we are enjoying the morning

182

00:08:19,600 --> 00:08:17,150

I'm gonna run a sneak tiptoe tiptoe

183

00:08:24,700 --> 00:08:19,610

downstairs have some toast

184

00:08:28,450 --> 00:08:24,710

with smoked salmon avocado and quince

185

00:08:49,060 --> 00:08:28,460

jelly while I do that I hope you enjoy

186

00:08:50,830 --> 00:08:49,070

the skeptic zone now we bring you an

187

00:08:53,650 --> 00:08:50,840

update from the Australian skeptics

188

00:08:56,230 --> 00:08:53,660

website at skeptics comdataís you Britt

189

00:08:58,960 --> 00:08:56,240

Hermes campaign reaches significant

190

00:09:05,080 --> 00:08:58,970

milestone by Tim momentum published on

191

00:09:07,450 --> 00:09:05,090

the 16th of March 2018 update the global

192

00:09:09,820 --> 00:09:07,460

campaign to support skeptical campaigner

193

00:09:14,110 --> 00:09:09,830

Britt Hermes has reached an astonishing

194

00:09:17,020 --> 00:09:14,120

milestone with over \$100,000 Australian

195

00:09:18,460 --> 00:09:17,030

or a 62 thousand euro raised thanks to

196

00:09:21,310 --> 00:09:18,470

the generosity of the worldwide

197

00:09:22,960 --> 00:09:21,320

skeptical community the fundraising

198

00:09:25,960 --> 00:09:22,970

campaign organised by Australian

199

00:09:29,050 --> 00:09:25,970

skeptics Inc ASI was launched on the

200

00:09:32,020 --> 00:09:29,060

14th of January the original campaign

201
00:09:35,680 --> 00:09:32,030
goal of at least \$80,000 Australian or

202
00:09:38,290 --> 00:09:35,690
50,000 euro was the amount brits lawyer

203
00:09:40,630 --> 00:09:38,300
had advised would likely be required and

204
00:09:44,010 --> 00:09:40,640
that figure was reached in less than

205
00:09:47,140 --> 00:09:44,020
nine days via more than 2000 donations

206
00:09:49,810 --> 00:09:47,150
considering the unpredictable nature of

207
00:09:50,740 --> 00:09:49,820
legal costs the final amount required

208
00:09:53,440 --> 00:09:50,750
may vary

209
00:09:54,880 --> 00:09:53,450
while the prime focus of the campaign is

210
00:09:56,800 --> 00:09:54,890
to ensure that Britt will not be

211
00:09:59,620 --> 00:09:56,810
out-of-pocket from what might be

212
00:10:01,870 --> 00:09:59,630
considerable legal costs the broader

213
00:10:04,480 --> 00:10:01,880

message goes beyond her situation as

214

00:10:06,700 --> 00:10:04,490

Hermes herself said in a recent message

215

00:10:08,560 --> 00:10:06,710

to donors quote the international

216

00:10:10,540 --> 00:10:08,570

skeptic and science community stands

217

00:10:13,270 --> 00:10:10,550

united to protect the freedom to

218

00:10:15,490 --> 00:10:13,280

criticise pseudoscience and preserve the

219

00:10:18,460 --> 00:10:15,500

scientific enterprise end quote

220

00:10:20,320 --> 00:10:18,470

this recent campaign is indicative of a

221

00:10:23,260 --> 00:10:20,330

trend over the last decade for

222

00:10:25,960 --> 00:10:23,270

cross-border skeptical action fired by

223

00:10:26,710 --> 00:10:25,970

social media disparate groups have been

224

00:10:28,509 --> 00:10:26,720

able to

225

00:10:30,369 --> 00:10:28,519

coordinate programs that raise the

226

00:10:32,860 --> 00:10:30,379

profile of skeptics globally and

227

00:10:35,470 --> 00:10:32,870

emphasize the power of joint action

228

00:10:38,319 --> 00:10:35,480

should more funds be raised than

229

00:10:40,449 --> 00:10:38,329

required to cover Brits costs they will

230

00:10:42,850 --> 00:10:40,459

be held for a period of up to 12 months

231

00:10:45,460 --> 00:10:42,860

to ensure the legal risk to Britta's

232

00:10:47,679 --> 00:10:45,470

past after which they will be put into a

233

00:10:50,530 --> 00:10:47,689

generalized global skeptics Legal

234

00:10:52,929 --> 00:10:50,540

Defense Fund we will continue to update

235

00:10:57,009 --> 00:10:52,939

readers and donors on the progress of

236

00:10:58,689 --> 00:10:57,019

the campaign and that update comes to us

237

00:11:01,300 --> 00:10:58,699

from the Australian skeptics website

238

00:11:02,450 --> 00:11:01,310

skeptics calm day you with a link in

239

00:11:13,790 --> 00:11:02,460

this week's show notes

240

00:11:19,170 --> 00:11:17,129

hello Anala needle on solo scoffs of

241

00:11:21,660 --> 00:11:19,180

deep moments been to an atlas another

242

00:11:26,639 --> 00:11:21,670

skeptic zone for weed to stop and Kitty

243

00:11:48,150 --> 00:11:26,649

snide incur moving from our seat Anna we

244

00:11:50,309 --> 00:11:48,160

may be been skeptics own Burns TV now

245

00:11:52,400 --> 00:11:50,319

last week on the skeptic zone yeah I'm

246

00:11:55,259 --> 00:11:52,410

sure you will recall we interviewed

247

00:11:57,840 --> 00:11:55,269

curial Alvaro all the way from Germany

248

00:11:59,550 --> 00:11:57,850

who wrote a piece an opinion piece an

249

00:12:02,309 --> 00:11:59,560

essay about the problems with the

250

00:12:05,220 --> 00:12:02,319

skeptical movement and why in his

251
00:12:08,329 --> 00:12:05,230
opinion it hasn't been very successful

252
00:12:12,530 --> 00:12:08,339
really over the last decade or two and

253
00:12:15,269 --> 00:12:12,540
that also is in regard to outreach well

254
00:12:17,699 --> 00:12:15,279
listening listening to the skeptic sound

255
00:12:20,370 --> 00:12:17,709
as they do every week I'm sure we had

256
00:12:22,740 --> 00:12:20,380
Rob Parma and susan gerbic from

257
00:12:27,329 --> 00:12:22,750
guerrilla skepticism on Wikipedia and

258
00:12:30,179 --> 00:12:27,339
they both sent me a note a message Rob

259
00:12:31,590 --> 00:12:30,189
sent me a text to message while Susan

260
00:12:35,550 --> 00:12:31,600
recorded something and I'll play that in

261
00:12:37,829 --> 00:12:35,560
a second but Rob says I Richard I just

262
00:12:41,309 --> 00:12:37,839
heard your interview with the qll HaRav

263
00:12:43,379 --> 00:12:41,319

on the skeptics own about the skeptical

264

00:12:46,139 --> 00:12:43,389

movement failing to do outreach to the

265

00:12:48,780 --> 00:12:46,149

public in order to change their hearts

266

00:12:51,540 --> 00:12:48,790

and minds I think I need to comment on

267

00:12:53,730 --> 00:12:51,550

what I heard you may well know what I'm

268

00:12:57,629 --> 00:12:53,740

about to say because you interviewed me

269

00:12:58,019 --> 00:12:57,639

at saikhan on this very subject but here

270

00:13:00,150 --> 00:12:58,029

goes

271

00:13:02,579 --> 00:13:00,160

I was thinking as I heard the interview

272

00:13:05,429 --> 00:13:02,589

on my car radio mentioned gorilla

273

00:13:08,160 --> 00:13:05,439

skeptics mentioned gorilla skeptics come

274

00:13:10,379 --> 00:13:08,170

on already mention gorilla skeptics the

275

00:13:14,220 --> 00:13:10,389

interview ended NGS o/w was not

276

00:13:16,199 --> 00:13:14,230

mentioned at all if I was part of that

277

00:13:19,650 --> 00:13:16,209

conversation I would have had to

278

00:13:23,730 --> 00:13:19,660

interject but for me joining and growing

279

00:13:25,290 --> 00:13:23,740

gso w is the best way I found to reach

280

00:13:27,990 --> 00:13:25,300

outside the skeptical

281

00:13:29,000 --> 00:13:28,000

we'll and educate those who aren't part

282

00:13:31,800 --> 00:13:29,010

of our community

283

00:13:34,259 --> 00:13:31,810

before joining this team I was totally

284

00:13:36,710 --> 00:13:34,269

frustrated I wasn't able to change the

285

00:13:39,329 --> 00:13:36,720

minds of any true believers I know about

286

00:13:41,160 --> 00:13:39,339

virtually anything and I didn't think

287

00:13:43,199 --> 00:13:41,170

there was anything I could do

288

00:13:47,340 --> 00:13:43,209

differently then thanks to your podcast

289

00:13:50,610 --> 00:13:47,350

I heard about gso W in the year and a

290

00:13:52,860 --> 00:13:50,620

half since joining the GSO W team the

291

00:13:55,710 --> 00:13:52,870

thirteen articles I created or largely

292

00:13:57,630 --> 00:13:55,720

free wrote on Wikipedia to add science

293

00:14:01,139 --> 00:13:57,640

and fight pseudoscience collectively

294

00:14:04,889 --> 00:14:01,149

have had over 700 thousand page viewings

295

00:14:07,949 --> 00:14:04,899

and Counting that doesn't even consider

296

00:14:10,829 --> 00:14:07,959

the unmeasured number of views on the

297

00:14:13,560 --> 00:14:10,839

many many other articles I have made

298

00:14:16,410 --> 00:14:13,570

minor but significant skeptically

299

00:14:19,110 --> 00:14:16,420

orientated changes too how amazing is

300

00:14:23,190 --> 00:14:19,120

that I often try to visualize that

301
00:14:25,530 --> 00:14:23,200
number it's 10 or more baseball stadiums

302
00:14:28,470 --> 00:14:25,540
filled with people and that from just

303
00:14:30,780 --> 00:14:28,480
one person who a little while ago

304
00:14:33,900 --> 00:14:30,790
thought there was nothing they could do

305
00:14:36,600 --> 00:14:33,910
to help the movement one example of what

306
00:14:39,329 --> 00:14:36,610
gso w can do ironically was brought up

307
00:14:41,100 --> 00:14:39,339
by kirill he asserted that no one

308
00:14:42,960 --> 00:14:41,110
outside the skeptical movement knows

309
00:14:45,930 --> 00:14:42,970
about Randy's involvement with Uri

310
00:14:48,660 --> 00:14:45,940
Geller on The Tonight Show not true a

311
00:14:51,329 --> 00:14:48,670
long time ago I added a section to

312
00:14:54,660 --> 00:14:51,339
Geller's wiki article documenting the

313
00:14:57,480 --> 00:14:54,670

entire thing the result is about 10,000

314

00:15:00,180 --> 00:14:57,490

people per month since then have access

315

00:15:00,870 --> 00:15:00,190

to that article and were able to read

316

00:15:03,630 --> 00:15:00,880

all about it

317

00:15:05,910 --> 00:15:03,640

many may be true believers and be

318

00:15:08,000 --> 00:15:05,920

reading about this for the first time it

319

00:15:11,189 --> 00:15:08,010

may make at least some percentage

320

00:15:14,670 --> 00:15:11,199

reconsider that Geller is genuine and by

321

00:15:18,060 --> 00:15:14,680

extension maybe start to doubt all other

322

00:15:21,480 --> 00:15:18,070

whoo peddlers as a whole gso w team has

323

00:15:24,449 --> 00:15:21,490

over 24 million page views on just our

324

00:15:26,250 --> 00:15:24,459

major articles with a million more added

325

00:15:29,040 --> 00:15:26,260

every month millions

326

00:15:30,840 --> 00:15:29,050

I find that mind-boggling but with all

327

00:15:33,480 --> 00:15:30,850

the whoo in the world it's never enough

328

00:15:35,670 --> 00:15:33,490

the larger the team gets the more we can

329

00:15:37,800 --> 00:15:35,680

do so the best way I know to interject

330

00:15:39,180 --> 00:15:37,810

the skeptical viewpoint into the

331

00:15:41,550 --> 00:15:39,190

information available

332

00:15:43,290 --> 00:15:41,560

to the general public is to grow the

333

00:15:44,490 --> 00:15:43,300

size of the guerrilla skeptics team

334

00:15:47,070 --> 00:15:44,500

anyway

335

00:15:50,220 --> 00:15:47,080

love the zone but just had to point this

336

00:15:52,920 --> 00:15:50,230

out keep up the good work thanks Rob

337

00:15:55,680 --> 00:15:52,930

thanks for your point of view and it

338

00:15:58,290 --> 00:15:55,690

it's nice to have a bit of back and

339

00:16:03,630 --> 00:15:58,300

forth on this topic and here is the

340

00:16:05,940 --> 00:16:03,640

message sent to me by susan gerbic hello

341

00:16:10,260 --> 00:16:05,950

everyone this is susan gerbic from the

342

00:16:12,840 --> 00:16:10,270

GSO w wikipedia project Richard asked

343

00:16:16,680 --> 00:16:12,850

for my thoughts on the interview he did

344

00:16:19,110 --> 00:16:16,690

with Carell just last week after Rob

345

00:16:22,410 --> 00:16:19,120

Palmer who's one of my gso w editors

346

00:16:24,240 --> 00:16:22,420

reached out to Richard krill and I are

347

00:16:26,760 --> 00:16:24,250

good friends and he shared the essay

348

00:16:29,160 --> 00:16:26,770

with me months ago and I told him that I

349

00:16:33,420 --> 00:16:29,170

agreed with parts of it and not other

350

00:16:35,760 --> 00:16:33,430

parts I also know something that most

351

00:16:37,920 --> 00:16:35,770

other at most other people don't know

352

00:16:40,590 --> 00:16:37,930

the listeners who didn't read the essay

353

00:16:44,760 --> 00:16:40,600

and that is that krill did single out

354

00:16:48,060 --> 00:16:44,770

the GSO w project in his essay he wrote

355

00:16:50,010 --> 00:16:48,070

a number of sceptical initiatives are an

356

00:16:53,670 --> 00:16:50,020

exception to the rule and are

357

00:16:56,520 --> 00:16:53,680

outward-looking illustrious example of

358

00:16:59,130 --> 00:16:56,530

this is susan gerbic scrilla skepticism

359

00:17:01,410 --> 00:16:59,140

on wikipedia project it's a perfect

360

00:17:04,050 --> 00:17:01,420

example of activism that is focused on

361

00:17:06,179 --> 00:17:04,060

non skeptic audiences thanks to

362

00:17:11,460 --> 00:17:06,189

Wikipedia's reporting tools the reach of

363

00:17:13,470 --> 00:17:11,470

gso w is also quantifiable and so this

364

00:17:16,860 --> 00:17:13,480

part didn't make it into the interview

365

00:17:19,380 --> 00:17:16,870

with Richard and Rob is very passionate

366

00:17:22,530 --> 00:17:19,390

about gso W as are the rest of the team

367

00:17:24,210 --> 00:17:22,540

in fact Rob learned of gso W from the

368

00:17:26,610 --> 00:17:24,220

skeptic zone and he lives in the east

369

00:17:29,070 --> 00:17:26,620

coast of the United States we do get a

370

00:17:30,930 --> 00:17:29,080

lot of our gso w people from the skeptic

371

00:17:34,590 --> 00:17:30,940

zone and i have a large group that are

372

00:17:38,750 --> 00:17:34,600

australian so gso w has just published

373

00:17:43,920 --> 00:17:38,760

our 560 third wikipedia page

374

00:17:46,320 --> 00:17:43,930

those 563 pages have just hit 24 million

375

00:17:49,530 --> 00:17:46,330

one hundred and forty seven thousand

376

00:17:52,530 --> 00:17:49,540

eight hundred and fifty page views most

377

00:17:55,080 --> 00:17:52,540

are in English but a good chunk of these

378

00:17:59,310 --> 00:17:55,090

pages are in other languages we add

379

00:18:00,690 --> 00:17:59,320

about 34,000 page views a day and we're

380

00:18:03,300 --> 00:18:00,700

getting really close to hitting a

381

00:18:04,650 --> 00:18:03,310

hundred thousand page views a month and

382

00:18:07,350 --> 00:18:04,660

we're always looking for more people to

383

00:18:11,070 --> 00:18:07,360

train into GS o W su do please contact

384

00:18:13,920 --> 00:18:11,080

me on Facebook if you're interested so

385

00:18:15,750 --> 00:18:13,930

back to krill I've traveled all over the

386

00:18:17,550 --> 00:18:15,760

world these last few years of speaking

387

00:18:20,910 --> 00:18:17,560

to skeptic groups and I've been thinking

388

00:18:23,430 --> 00:18:20,920

a lot about these questions I disagree

389

00:18:25,410 --> 00:18:23,440

with krill about podcasts I think we're

390

00:18:27,720 --> 00:18:25,420

still at the beginning of podcasts as

391

00:18:30,180 --> 00:18:27,730

influencer they're allowing us to reach

392

00:18:33,000 --> 00:18:30,190

audiences all over that miss the

393

00:18:35,340 --> 00:18:33,010

face-to-face gatherings and we need more

394

00:18:37,680 --> 00:18:35,350

podcasts especially in languages other

395

00:18:39,330 --> 00:18:37,690

than English conferences are also

396

00:18:41,550 --> 00:18:39,340

incredibly important to grow our

397

00:18:42,810 --> 00:18:41,560

community the first steps towards

398

00:18:45,690 --> 00:18:42,820

activism is when you meet people

399

00:18:48,450 --> 00:18:45,700

face-to-face and find out you're not

400

00:18:51,090 --> 00:18:48,460

alone and I hear all the time from new

401
00:18:53,280 --> 00:18:51,100
gso W people and also whenever I travel

402
00:18:56,040 --> 00:18:53,290
how important podcasting is to those

403
00:18:58,290 --> 00:18:56,050
people now here's where I do agree with

404
00:19:00,930 --> 00:18:58,300
krill other problems

405
00:19:04,080 --> 00:19:00,940
our problems are time resources and

406
00:19:05,730 --> 00:19:04,090
money we already have experts and we

407
00:19:07,740 --> 00:19:05,740
have motivated people and those people

408
00:19:11,190 --> 00:19:07,750
are usually just waiting to be told how

409
00:19:13,380 --> 00:19:11,200
to help and we need more managerial type

410
00:19:15,330 --> 00:19:13,390
people I think people are under the

411
00:19:17,250 --> 00:19:15,340
illusion that in order to lead you need

412
00:19:19,640 --> 00:19:17,260
to be an academic or part of a large

413
00:19:22,770 --> 00:19:19,650

organization and that's just not true

414

00:19:25,940 --> 00:19:22,780

what I propose our small focus groups

415

00:19:28,020 --> 00:19:25,950

with an end goal on a fixed time scale

416

00:19:30,840 --> 00:19:28,030

made up of people who are not

417

00:19:33,300 --> 00:19:30,850

necessarily in proximity to each other

418

00:19:35,610 --> 00:19:33,310

but share the same goal and you can use

419

00:19:39,600 --> 00:19:35,620

secret Facebook groups it's really easy

420

00:19:41,400 --> 00:19:39,610

to do it's cheap and very effective and

421

00:19:44,850 --> 00:19:41,410

I do it all the time with various

422

00:19:46,320 --> 00:19:44,860

psychics psychic stings that I run so

423

00:19:48,480 --> 00:19:46,330

I'm going to give you one example real

424

00:19:49,860 --> 00:19:48,490

quick of one of our latest projects that

425

00:19:53,010 --> 00:19:49,870

we're running right now it's called

426
00:19:56,460 --> 00:19:53,020
Operation hunt-and-peck and it's about

427
00:19:58,650 --> 00:19:56,470
facilitated communication f.c is what

428
00:20:00,990 --> 00:19:58,660
it's called for short and it's the

429
00:20:03,860 --> 00:20:01,000
low-hanging fruit I mean we already know

430
00:20:06,330 --> 00:20:03,870
it's discredited and we know how it's

431
00:20:08,640 --> 00:20:06,340
well doesn't work but where

432
00:20:10,500 --> 00:20:08,650
know all that there's lots of academic

433
00:20:13,230 --> 00:20:10,510
work that's already been done on it

434
00:20:14,970 --> 00:20:13,240
so it needs to go we need a success

435
00:20:16,799 --> 00:20:14,980
under our under our belt and I think

436
00:20:19,289 --> 00:20:16,809
facilitated communication is where we

437
00:20:21,269 --> 00:20:19,299
should be starting so I've gathered up

438
00:20:24,149 --> 00:20:21,279

experts and people who care a lot about

439

00:20:27,480 --> 00:20:24,159

this project they're already on on page

440

00:20:29,940 --> 00:20:27,490

with us and so that was step one step

441

00:20:31,490 --> 00:20:29,950

two is to put all the wikipedia pages in

442

00:20:34,110 --> 00:20:31,500

order that have anything to do with

443

00:20:36,659 --> 00:20:34,120

facilitated communication because when

444

00:20:38,519 --> 00:20:36,669

we start making a fuss the public is

445

00:20:40,169 --> 00:20:38,529

going to want to know what facilitated

446

00:20:43,080 --> 00:20:40,179

communication is and why should they

447

00:20:45,570 --> 00:20:43,090

care a book isn't going to work nobody's

448

00:20:48,600 --> 00:20:45,580

gonna read a book about it a website or

449

00:20:50,460 --> 00:20:48,610

blog no the way you're really gonna get

450

00:20:52,049 --> 00:20:50,470

the attention of the public is to make

451

00:20:55,230 --> 00:20:52,059

sure that they have a place to go to

452

00:20:58,200 --> 00:20:55,240

that that's free and easy and it's

453

00:21:00,659 --> 00:20:58,210

Wikipedia right so that's already done

454

00:21:04,740 --> 00:21:00,669

those Wikipedia pages are completely

455

00:21:06,240 --> 00:21:04,750

done in pro and con and all the

456

00:21:09,480 --> 00:21:06,250

resources are there they're in great

457

00:21:12,899 --> 00:21:09,490

shape Jaso W has taken care of that so

458

00:21:15,299 --> 00:21:12,909

the third step were picking a target so

459

00:21:17,789 --> 00:21:15,309

facilitated communication hold holds

460

00:21:19,980 --> 00:21:17,799

workshops on university campuses in the

461

00:21:21,630 --> 00:21:19,990

United States and they use the

462

00:21:25,200 --> 00:21:21,640

university's name to give them

463

00:21:27,630 --> 00:21:25,210

credibility so what I think we should do

464

00:21:30,570 --> 00:21:27,640

is we should try to get the universities

465

00:21:32,549 --> 00:21:30,580

to cancel those workshops so now I think

466

00:21:35,130 --> 00:21:32,559

this tactic is cheaper and quicker than

467

00:21:37,049 --> 00:21:35,140

getting these laws passed and we might

468

00:21:38,820 --> 00:21:37,059

be able we might need help from you all

469

00:21:40,529 --> 00:21:38,830

to help us out to convince these

470

00:21:43,950 --> 00:21:40,539

institutions to stop supporting

471

00:21:46,260 --> 00:21:43,960

facilitated communication so please be

472

00:21:48,539 --> 00:21:46,270

on the lookout for a call for help and

473

00:21:51,120 --> 00:21:48,549

this is just our first attempt so let's

474

00:21:52,590 --> 00:21:51,130

see if this works this tactic can be

475

00:21:55,350 --> 00:21:52,600

used for other causes

476
00:21:57,570 --> 00:21:55,360
let's live and learn and see how it goes

477
00:21:59,639 --> 00:21:57,580
and thanks Rob and Richard for

478
00:22:02,490 --> 00:21:59,649
encouraging me to record this and Crill

479
00:22:04,350 --> 00:22:02,500
I appreciate your thoughts so reach out

480
00:22:06,180 --> 00:22:04,360
to me on Facebook if you're interested

481
00:22:08,430 --> 00:22:06,190
in anything I have mentioned or have

482
00:22:13,279 --> 00:22:08,440
further questions and thank you skeptics

483
00:22:16,860 --> 00:22:15,990
now I still consider the article from

484
00:22:19,169 --> 00:22:16,870
Kill Alvaro

485
00:22:21,960 --> 00:22:19,179
to be very important and worth your time

486
00:22:24,210 --> 00:22:21,970
to read but it is good to get some

487
00:22:25,660 --> 00:22:24,220
feedback from time to time thank you rob

488
00:22:45,520 --> 00:22:25,670

and thank you Susan

489

00:22:47,380 --> 00:22:45,530

[Music]

490

00:22:50,500 --> 00:22:47,390

[Applause]

491

00:22:52,990 --> 00:22:50,510

calling all skeptics or listeners the

492

00:22:55,330 --> 00:22:53,000

you live end or near Glasgow or are you

493

00:22:57,549 --> 00:22:55,340

planning to visit something then you're

494

00:23:00,940 --> 00:22:57,559

in luck because the Glasgow skeptics

495

00:23:02,140 --> 00:23:00,950

have got your Monday nights sorted we

496

00:23:04,810 --> 00:23:02,150

are committed to filling up every

497

00:23:07,480 --> 00:23:04,820

available Monday night talks on science

498

00:23:10,030 --> 00:23:07,490

and skepticism past speakers include

499

00:23:12,250 --> 00:23:10,040

Eugenie Scott le coin maker Marshall

500

00:23:15,400 --> 00:23:12,260

Nate Phelps Tom and Cecil from cognitive

501
00:23:17,740 --> 00:23:15,410
dissonance PZ Myers Richard Wiseman AC

502
00:23:20,260 --> 00:23:17,750
drilling Noah Heath and Eli from the

503
00:23:22,539 --> 00:23:20,270
scaling atheist Simon Singh Rebecca

504
00:23:25,390 --> 00:23:22,549
Watson and a multitude of local

505
00:23:27,250 --> 00:23:25,400
academics and skeptics there's literally

506
00:23:29,350 --> 00:23:27,260
nothing better you can do on a Monday

507
00:23:31,690 --> 00:23:29,360
night in Glasgow that doesn't involve

508
00:23:33,640 --> 00:23:31,700
taking their clothes off so come join us

509
00:23:35,799 --> 00:23:33,650
we've also got a vibrant online

510
00:23:37,600 --> 00:23:35,809
community you can find us on Facebook

511
00:23:41,080 --> 00:23:37,610
Twitter and get involved with the

512
00:23:42,350 --> 00:23:41,090
discussion glasgow skeptics self-help or

513
00:23:43,120 --> 00:23:42,360

your brain

514

00:24:02,169 --> 00:23:43,130

[Music]

515

00:24:08,360 --> 00:24:05,299

now here's a report that was published

516

00:24:11,570 --> 00:24:08,370

in The Times newspaper on Monday the

517

00:24:14,120 --> 00:24:11,580

19th of March 2018 this has been brought

518

00:24:20,440 --> 00:24:14,130

to my attention by Michael Marshall at

519

00:24:27,170 --> 00:24:23,410

and for hospital where the Queen's

520

00:24:29,870 --> 00:24:27,180

homeopathy works by Christmas health

521

00:24:32,840 --> 00:24:29,880

editor the hospital where the Queen's

522

00:24:35,090 --> 00:24:32,850

homeopathy works has been banned from

523

00:24:37,550 --> 00:24:35,100

offering homeopathy to the National

524

00:24:41,480 --> 00:24:37,560

Health Service patients for disobeying

525

00:24:44,000 --> 00:24:41,490

health service policy and ordered found

526

00:24:46,840 --> 00:24:44,010

that the Royal London Hospital for

527

00:24:49,130 --> 00:24:46,850

integrated medicine has been wrongly

528

00:24:51,710 --> 00:24:49,140

charging the alternative treatment to

529

00:24:54,320 --> 00:24:51,720

taxpayers the hospital is Europe's

530

00:24:55,970 --> 00:24:54,330

biggest publicly funded Centre for

531

00:24:58,460 --> 00:24:55,980

alternative medicine and has been

532

00:25:03,080 --> 00:24:58,470

offering homeopathy since it was founded

533

00:25:05,450 --> 00:25:03,090

in 18-49 the ruling will put further

534

00:25:09,290 --> 00:25:05,460

pressure on NHS units offering the

535

00:25:12,140 --> 00:25:09,300

treatment last year Simon Stephens chief

536

00:25:15,950 --> 00:25:12,150

executive of NHS England called

537

00:25:18,590 --> 00:25:15,960

homeopathy quote a misuse of scarce NHS

538

00:25:20,780 --> 00:25:18,600

funds men quotable homeopathy uses

539

00:25:22,040 --> 00:25:20,790

extremely diluted remedies for which

540

00:25:24,470 --> 00:25:22,050

there is little evidence to support

541

00:25:25,880 --> 00:25:24,480

their effectiveness some skeptics

542

00:25:27,470 --> 00:25:25,890

acknowledge however that the

543

00:25:29,350 --> 00:25:27,480

conversations that alternative

544

00:25:33,350 --> 00:25:29,360

practitioners have with their patients

545

00:25:35,330 --> 00:25:33,360

often have a placebo effect NHS bosses

546

00:25:39,050 --> 00:25:35,340

say that cutting funding for the

547

00:25:41,690 --> 00:25:39,060

treatment will save 50,000 pounds a year

548

00:25:43,460 --> 00:25:41,700

however Peter Fisher research director

549

00:25:46,460 --> 00:25:43,470

of the hospital and homeopathy to the

550

00:25:49,280 --> 00:25:46,470

Queen insists that the decision will

551
00:25:52,250 --> 00:25:49,290
cost the NHS more as doctors have to use

552
00:25:54,860 --> 00:25:52,260
more expensive medicines instead quote

553
00:25:57,260 --> 00:25:54,870
we see a huge number of patients on

554
00:25:59,600 --> 00:25:57,270
outrageous numbers of drugs end quote he

555
00:26:01,580 --> 00:25:59,610
said quote we are still not giving

556
00:26:04,010 --> 00:26:01,590
advice on diet lifestyle and

557
00:26:06,290 --> 00:26:04,020
physiological things that is what

558
00:26:10,160 --> 00:26:06,300
matters to people rather than the 15th

559
00:26:12,890 --> 00:26:10,170
drug in quote NHS bosses have previously

560
00:26:15,320 --> 00:26:12,900
told the hospital not to use homeopathy

561
00:26:17,960 --> 00:26:15,330
but an audit carried out under pressure

562
00:26:20,780 --> 00:26:17,970
from campaigners found widespread

563
00:26:23,240 --> 00:26:20,790

breaches of the policy the hospital was

564

00:26:25,670 --> 00:26:23,250

using homeopathy but not declaring it

565

00:26:28,040 --> 00:26:25,680

because it was part of a wider treatment

566

00:26:30,650 --> 00:26:28,050

which the hospital thought was permitted

567

00:26:32,750 --> 00:26:30,660

a handful of patients were treated only

568

00:26:34,790 --> 00:26:32,760

with homeopathy Michael

569

00:26:37,130 --> 00:26:34,800

all of the good thinking society said

570

00:26:39,920 --> 00:26:37,140

quote the decision to end funding for

571

00:26:42,260 --> 00:26:39,930

homeopathy on the NHS in London is long

572

00:26:45,350 --> 00:26:42,270

overdue despite what is claimed by

573

00:26:47,270 --> 00:26:45,360

fringe groups and outlier studies the

574

00:26:49,220 --> 00:26:47,280

evidence on the ineffectiveness of

575

00:26:50,630 --> 00:26:49,230

homeopathy has been clear for a long

576

00:26:53,030 --> 00:26:50,640

time end quote

577

00:26:56,000 --> 00:26:53,040

a spokesman for Camden Clinical

578

00:26:58,400 --> 00:26:56,010

Commissioning group which sets NHS

579

00:27:00,380 --> 00:26:58,410

funding policy for the hospital said it

580

00:27:03,020 --> 00:27:00,390

was quote committed to making the best

581

00:27:05,540 --> 00:27:03,030

use of public money and our policy is

582

00:27:07,610 --> 00:27:05,550

not to fund homeopathy treatment in

583

00:27:09,380 --> 00:27:07,620

quote the spokesman for the hospital

584

00:27:11,540 --> 00:27:09,390

said that there had been a quote

585

00:27:14,900 --> 00:27:11,550

difference of interpretation of the

586

00:27:20,540 --> 00:27:14,910

policy and quote and it had agreed not

587

00:27:22,040 --> 00:27:20,550

to provide homeopathy on the NHS again

588

00:27:24,170 --> 00:27:22,050

that story comes to us from The Times

589

00:27:27,950 --> 00:27:24,180

newspaper published on Monday the 19th

590

00:27:30,500 --> 00:27:27,960

of March 2018 by Chris Smyth health

591

00:27:32,720 --> 00:27:30,510

editor and thanks to Michael marshal for

592

00:27:44,260 --> 00:27:32,730

bringing this to our attention

593

00:27:54,570 --> 00:27:49,880

[Music]

594

00:27:57,210 --> 00:27:54,580

last year it was my privilege to chair a

595

00:28:01,200 --> 00:27:57,220

panel about roadblocks to good science

596

00:28:03,180 --> 00:28:01,210

it was a wide-ranging panel touching on

597

00:28:06,770 --> 00:28:03,190

many issues but I thought I'd play you

598

00:28:10,920 --> 00:28:06,780

the last twenty minutes of the panel

599

00:28:13,470 --> 00:28:10,930

where dr. Rachel Dunlop Cara Santa Maria

600

00:28:15,930 --> 00:28:13,480

and Britt Hermes discussed some of the

601
00:28:23,190 --> 00:28:15,940
problems in science and possible

602
00:28:25,290 --> 00:28:23,200
solutions the ratio of an object might

603
00:28:27,630 --> 00:28:25,300
be higher because there's less people in

604
00:28:29,400 --> 00:28:27,640
the community no interesting thank you

605
00:28:42,630 --> 00:28:29,410
very very very much for you it's all

606
00:28:51,030 --> 00:28:42,640
insults I'll just go back to my old

607
00:28:55,110 --> 00:28:51,040
white man club now somebody write that

608
00:28:56,310 --> 00:28:55,120
down okay well we've still got a little

609
00:28:58,380 --> 00:28:56,320
bit of time so I'd like to cover some

610
00:28:59,970 --> 00:28:58,390
other issues right now when we might

611
00:29:02,370 --> 00:28:59,980
come to think about problems in science

612
00:29:04,920 --> 00:29:02,380
and one of the biggest problems dr.

613
00:29:08,820 --> 00:29:04,930

Rachel in the last few years for us

614

00:29:10,860 --> 00:29:08,830

certainly has been fraud yeah and let's

615

00:29:15,090 --> 00:29:10,870

point the finger at Andrew Wakefield

616

00:29:18,750 --> 00:29:15,100

because he is fraud wherever he is he's

617

00:29:21,630 --> 00:29:18,760

moving to LA apparently oh yeah I just

618

00:29:23,940 --> 00:29:21,640

heard last night and apparently I think

619

00:29:26,520 --> 00:29:23,950

he's possibly gonna be starting a TV

620

00:29:29,480 --> 00:29:26,530

show on vaccine injury and so it's gonna

621

00:29:33,330 --> 00:29:29,490

be based in LA do you know that's like

622

00:29:41,590 --> 00:29:33,340

it a TV show an actual network we don't

623

00:29:41,600 --> 00:29:59,970

[Applause]

624

00:30:10,690 --> 00:30:02,590

it's nice to know George has a career

625

00:30:12,100 --> 00:30:10,700

after educated in speaking of fraud so

626

00:30:13,390 --> 00:30:12,110

no I can't take the credit for this

627

00:30:15,820 --> 00:30:13,400

either a friend of mine has been

628

00:30:18,610 --> 00:30:15,830

diligently watching all the live videos

629

00:30:20,080 --> 00:30:18,620

out of the back store in America and she

630

00:30:21,490 --> 00:30:20,090

cleans that piece of information last

631

00:30:24,610 --> 00:30:21,500

night when he just mentioned that he's

632

00:30:27,010 --> 00:30:24,620

moving but to go back to fraud I mean

633

00:30:29,890 --> 00:30:27,020

the the the problem of publish or perish

634

00:30:31,680 --> 00:30:29,900

never goes away in science and if you

635

00:30:34,240 --> 00:30:31,690

don't know what that means basically

636

00:30:38,740 --> 00:30:34,250

peer-reviewed publications are currency

637

00:30:40,330 --> 00:30:38,750

in science they make your CV long they

638

00:30:41,830 --> 00:30:40,340

are the reason you'll get grants the

639

00:30:43,570 --> 00:30:41,840

other ways and you'll get promotions so

640

00:30:46,410 --> 00:30:43,580

you need to publish scientific

641

00:30:49,360 --> 00:30:46,420

peer-reviewed papers and that is hard

642

00:30:51,070 --> 00:30:49,370

particularly in the wet sciences like

643

00:30:53,290 --> 00:30:51,080

the ball of them really but I'm speaking

644

00:30:55,270 --> 00:30:53,300

from my personal experience biology

645

00:30:57,880 --> 00:30:55,280

never goes the way you hope it goes it

646

00:30:59,320 --> 00:30:57,890

never does what you ask it to do and you

647

00:31:01,360 --> 00:30:59,330

know I mentioned earlier that I got

648

00:31:02,650 --> 00:31:01,370

completely different results in some of

649

00:31:04,210 --> 00:31:02,660

my recent experiments and what I

650

00:31:06,250 --> 00:31:04,220

expected

651
00:31:08,620 --> 00:31:06,260
but you have to somehow package that up

652
00:31:10,420 --> 00:31:08,630
into a nice shiny little paper so you

653
00:31:12,880 --> 00:31:10,430
can present it to your board to your

654
00:31:15,070 --> 00:31:12,890
directors to your funding bodies and so

655
00:31:17,890 --> 00:31:15,080
there's enormous pressure on researchers

656
00:31:19,930 --> 00:31:17,900
to publish and to publish often and this

657
00:31:22,090 --> 00:31:19,940
unfortunately leads to people cutting

658
00:31:25,540 --> 00:31:22,100
corners because they are so pressure to

659
00:31:28,420 --> 00:31:25,550
do so many of us in this room would be

660
00:31:30,760 --> 00:31:28,430
aware of Chris Shaw professor Chris Shaw

661
00:31:32,620 --> 00:31:30,770
who is a he's in the Department of

662
00:31:35,230 --> 00:31:32,630
Ophthalmology at

663
00:31:37,990 --> 00:31:35,240

University our University in Canada and

664

00:31:44,860 --> 00:31:38,000

he publishes anti-vaccine papers all the

665

00:31:46,990 --> 00:31:44,870

time and just recently it's so dumb and

666

00:31:49,570 --> 00:31:47,000

annoys me so much there's a technique

667

00:31:51,520 --> 00:31:49,580

called Western blotting where you end up

668

00:31:55,750 --> 00:31:51,530

with these little bands that look like

669

00:31:58,150 --> 00:31:55,760

just a line on a paper and you know

670

00:32:00,640 --> 00:31:58,160

ultimately when you do develop it's like

671

00:32:02,140 --> 00:32:00,650

a photography development process for

672

00:32:03,970 --> 00:32:02,150

you to get that little band and

673

00:32:05,950 --> 00:32:03,980

ultimately when you do that you're going

674

00:32:09,100 --> 00:32:05,960

to get artifacts introduced like a hair

675

00:32:11,680 --> 00:32:09,110

or a dot or something but scientists

676
00:32:14,410 --> 00:32:11,690
repeatedly do this they copy and paste

677
00:32:16,810 --> 00:32:14,420
those bands into different experimental

678
00:32:18,220 --> 00:32:16,820
lanes and maybe they flip them upside

679
00:32:20,970 --> 00:32:18,230
down or maybe they flip them the other

680
00:32:27,940 --> 00:32:20,980
way but they never remove the artifacts

681
00:32:32,710 --> 00:32:27,950
and so it's so obvious because it's like

682
00:32:36,880 --> 00:32:32,720
get Photoshop out like if you're gonna

683
00:32:38,830 --> 00:32:36,890
cheat cheat problem and recently

684
00:32:42,340 --> 00:32:38,840
Christopher sure had a paper retracted

685
00:32:44,200 --> 00:32:42,350
for precisely that reason the bands in

686
00:32:47,590 --> 00:32:44,210
this case were actually polymerase chain

687
00:32:49,210 --> 00:32:47,600
reaction bands and you could easily see

688
00:32:50,980 --> 00:32:49,220

that there was these two bands one was

689

00:32:52,120 --> 00:32:50,990

supposed to be that untreated animals

690

00:32:54,040 --> 00:32:52,130

one was supposed to be the treated

691

00:32:55,390 --> 00:32:54,050

animals but the bands who if you flip

692

00:32:58,990 --> 00:32:55,400

them and turn them they were the same

693

00:33:00,640 --> 00:32:59,000

and so the paper got pulled and his his

694

00:33:02,290 --> 00:33:00,650

wrist it's actually went all over the

695

00:33:04,090 --> 00:33:02,300

world the reports of this because it was

696

00:33:05,710 --> 00:33:04,100

controversial study to begin with he was

697

00:33:09,040 --> 00:33:05,720

trying to claim that aluminium causes

698

00:33:10,110 --> 00:33:09,050

autism and he said in response well to

699

00:33:12,640 --> 00:33:10,120

be fair

700

00:33:14,110 --> 00:33:12,650

nobody zooms in on these things and

701
00:33:17,110 --> 00:33:14,120
looks like you know looks at the

702
00:33:19,720 --> 00:33:17,120
artifacts in them I'm like dude of

703
00:33:22,000 --> 00:33:19,730
course we do that and there are people

704
00:33:24,220 --> 00:33:22,010
that work in research who dedicate their

705
00:33:27,820 --> 00:33:24,230
lives to looking for things like that

706
00:33:30,790 --> 00:33:27,830
and it's not very difficult if you have

707
00:33:33,910 --> 00:33:30,800
half a brain and then he also had said

708
00:33:36,370 --> 00:33:33,920
well in my defense the data the raw data

709
00:33:38,770 --> 00:33:36,380
has gone to China with my postdoc and

710
00:33:40,600 --> 00:33:38,780
that also breaches the ethics of the

711
00:33:42,190 --> 00:33:40,610
University you're not supposed to take

712
00:33:44,290 --> 00:33:42,200
data off the premises because the

713
00:33:44,730 --> 00:33:44,300

intellectual property belongs to the

714

00:33:47,520 --> 00:33:44,740

universe

715

00:33:50,490 --> 00:33:47,530

where it was generated and so it is a

716

00:33:52,500 --> 00:33:50,500

dumpster fire but this is not the first

717

00:33:55,919 --> 00:33:52,510

time this particular group has had

718

00:33:57,870 --> 00:33:55,929

papers retracted but to go back to

719

00:34:00,570 --> 00:33:57,880

Wakefield as well and I mentioned this

720

00:34:03,150 --> 00:34:00,580

briefly yesterday at SGU one of the

721

00:34:05,400 --> 00:34:03,160

problems with papers that get retracted

722

00:34:08,250 --> 00:34:05,410

for fraud is that they get cited more

723

00:34:11,909 --> 00:34:08,260

often after they've been retracted that

724

00:34:13,500 --> 00:34:11,919

is a real problem and you know I spend a

725

00:34:15,540 --> 00:34:13,510

lot of time trawling the depths of the

726

00:34:22,379 --> 00:34:15,550

anti-vaccination movement online did you

727

00:34:24,869 --> 00:34:22,389

say trolling or trolling yeah and they

728

00:34:27,600 --> 00:34:24,879

don't care that a papers retracted any

729

00:34:29,639 --> 00:34:27,610

way relevant to them because they're

730

00:34:32,820 --> 00:34:29,649

cherry-picking the data to get for their

731

00:34:34,740 --> 00:34:32,830

confirmation bias so it's not relevant

732

00:34:37,190 --> 00:34:34,750

to them that it's retracted that still

733

00:34:40,470 --> 00:34:37,200

is a thing anyway

734

00:34:42,990 --> 00:34:40,480

but this is the problem science tries to

735

00:34:46,260 --> 00:34:43,000

address as best it can absolutely I mean

736

00:34:48,780 --> 00:34:46,270

of course scientists on the journals

737

00:34:51,180 --> 00:34:48,790

you know the peers who are doing the

738

00:34:53,909 --> 00:34:51,190

review are the ones who are pushing for

739

00:34:57,420 --> 00:34:53,919

these retractions within the scientific

740

00:34:59,820 --> 00:34:57,430

community a retracted paper is is a

741

00:35:01,650 --> 00:34:59,830

black box you know what I mean it's like

742

00:35:03,599 --> 00:35:01,660

but it's outside of the scientific

743

00:35:05,520 --> 00:35:03,609

community where the problem lies it's

744

00:35:07,710 --> 00:35:05,530

with the marketing it's with the

745

00:35:09,960 --> 00:35:07,720

individuals who are using these

746

00:35:11,940 --> 00:35:09,970

retracted and and the the bad thing is

747

00:35:13,859 --> 00:35:11,950

you mentioned not only does sometimes

748

00:35:17,070 --> 00:35:13,869

especially if it's quite a famous payer

749

00:35:19,680 --> 00:35:17,080

paper does it get cited more often after

750

00:35:24,120 --> 00:35:19,690

it's retracted but also I mean study

751
00:35:27,480 --> 00:35:24,130
after study show that the the retraction

752
00:35:29,640 --> 00:35:27,490
gets no traction right that like you

753
00:35:32,099 --> 00:35:29,650
know once you you can't unring a bell

754
00:35:33,810 --> 00:35:32,109
yeah and so once you go out there and

755
00:35:35,460 --> 00:35:33,820
there's a big splash with in the medium

756
00:35:37,410 --> 00:35:35,470
people say this is what we found this is

757
00:35:38,820 --> 00:35:37,420
a real effect and then later they go oh

758
00:35:41,640 --> 00:35:38,830
it turns out that effects not real

759
00:35:42,870 --> 00:35:41,650
nobody listens the retraction varied yes

760
00:35:45,480 --> 00:35:42,880
but there are some great organizations

761
00:35:46,980 --> 00:35:45,490
like retraction watch I highly recommend

762
00:35:48,630 --> 00:35:46,990
following a retraction watch since not

763
00:35:50,609 --> 00:35:48,640

only do they keep their eyes out as a

764

00:35:53,070 --> 00:35:50,619

real public service of what he's getting

765

00:35:54,510 --> 00:35:53,080

retracted but they do really good public

766

00:35:55,500 --> 00:35:54,520

communication of science really good

767

00:35:57,540 --> 00:35:55,510

right around around

768

00:36:00,150 --> 00:35:57,550

to explain you know what's going on with

769

00:36:03,090 --> 00:36:00,160

that the problem is you know only nerds

770

00:36:04,980 --> 00:36:03,100

like us are reading yeah we could do a

771

00:36:07,680 --> 00:36:04,990

little bit of a better job preventing

772

00:36:09,240 --> 00:36:07,690

fraud in the first place yeah I mean for

773

00:36:10,830 --> 00:36:09,250

medical journals for example and

774

00:36:12,930 --> 00:36:10,840

publishing clinical trials we could do a

775

00:36:15,270 --> 00:36:12,940

better job making sure that the research

776

00:36:16,650 --> 00:36:15,280

trials are registered and that the

777

00:36:18,690 --> 00:36:16,660

results have been published within the

778

00:36:20,880 --> 00:36:18,700

appropriate time frame yeah before

779

00:36:23,460 --> 00:36:20,890

you know letting the work get published

780

00:36:25,050 --> 00:36:23,470

when it comes to like our fields of

781

00:36:26,610 --> 00:36:25,060

basic science I think we could perhaps

782

00:36:29,010 --> 00:36:26,620

do a better job of making sure our

783

00:36:32,190 --> 00:36:29,020

scripts are included perhaps in the data

784

00:36:34,410 --> 00:36:32,200

set so the statistical work could be

785

00:36:36,060 --> 00:36:34,420

checked because a lot of errors get made

786

00:36:38,430 --> 00:36:36,070

here sometimes intentionally sometimes

787

00:36:41,220 --> 00:36:38,440

not intentionally but it's another way

788

00:36:43,320 --> 00:36:41,230

to check it if you have the the the

789

00:36:45,210 --> 00:36:43,330

script to look through making sure that

790

00:36:48,210 --> 00:36:45,220

the GenBank sequences or the DNA

791

00:36:49,890 --> 00:36:48,220

sequences is actually where the

792

00:36:52,890 --> 00:36:49,900

researcher says it is that it's actually

793

00:36:55,410 --> 00:36:52,900

been deposited online that these these

794

00:36:57,870 --> 00:36:55,420

little things are actually followed

795

00:37:00,690 --> 00:36:57,880

through on because oftentimes especially

796

00:37:02,400 --> 00:37:00,700

as a new researcher you know I'm going

797

00:37:04,260 --> 00:37:02,410

back paper after paper after paper and

798

00:37:07,110 --> 00:37:04,270

I'm in the method section and I'm going

799

00:37:09,570 --> 00:37:07,120

through it and the results aren't where

800

00:37:10,830 --> 00:37:09,580

they say they are or that the DNA

801
00:37:13,650 --> 00:37:10,840
sequence that I'm looking for is not

802
00:37:15,690 --> 00:37:13,660
where they said it is or I'm looking at

803
00:37:17,670 --> 00:37:15,700
this statistical package and trying to

804
00:37:19,080 --> 00:37:17,680
track it down and so I get halfway

805
00:37:21,900 --> 00:37:19,090
through and it doesn't make sense and

806
00:37:24,000 --> 00:37:21,910
these are easy things to check and to

807
00:37:26,220 --> 00:37:24,010
require steps missing you know what I

808
00:37:28,440 --> 00:37:26,230
mean you can't like I didn't tell you

809
00:37:30,480 --> 00:37:28,450
how I did this I mean how are you

810
00:37:32,460 --> 00:37:30,490
supposed to emulate that and you know

811
00:37:34,380 --> 00:37:32,470
what here's here's a thought might be

812
00:37:36,180 --> 00:37:34,390
unpopular because we've talked about

813
00:37:38,130 --> 00:37:36,190

jargon in the past and and about why

814

00:37:39,690 --> 00:37:38,140

jargon is important and what jargon

815

00:37:42,810 --> 00:37:39,700

actually is in science and the purpose

816

00:37:48,420 --> 00:37:42,820

that it serves but I read a recent neuro

817

00:37:50,970 --> 00:37:48,430

skeptic blog where individuals have gone

818

00:37:52,380 --> 00:37:50,980

in and looked at the readability of

819

00:37:54,840 --> 00:37:52,390

scientific articles and they're getting

820

00:37:57,090 --> 00:37:54,850

worse and worse and so maybe make your

821

00:37:59,460 --> 00:37:57,100

paper easier to understand yeah that's

822

00:38:01,740 --> 00:37:59,470

right because you know what it's really

823

00:38:03,720 --> 00:38:01,750

hard to replicate a study if if it's

824

00:38:05,550 --> 00:38:03,730

unnecessarily fake it takes you ten

825

00:38:07,020 --> 00:38:05,560

times to read this paper before you even

826

00:38:08,670 --> 00:38:07,030

understand what's going on

827

00:38:11,220 --> 00:38:08,680

I have a bugbear about this thing called

828

00:38:13,890 --> 00:38:11,230

self plagiarize ation in yes it drives

829

00:38:15,390 --> 00:38:13,900

me insane so I understand that you can't

830

00:38:17,610 --> 00:38:15,400

plagiarize that's fine

831

00:38:19,350 --> 00:38:17,620

but in the methods section of a paper

832

00:38:21,060 --> 00:38:19,360

you're supposed to describe your

833

00:38:23,340 --> 00:38:21,070

experiments to enough detail that

834

00:38:26,160 --> 00:38:23,350

someone else can reproduce them and if

835

00:38:28,170 --> 00:38:26,170

you do the same methods often you cannot

836

00:38:30,300 --> 00:38:28,180

copy and paste that into the next into

837

00:38:31,830 --> 00:38:30,310

your recent publication and I had an

838

00:38:33,870 --> 00:38:31,840

experience recently what I wanted to

839

00:38:35,790 --> 00:38:33,880

find someone's method and I had to go

840

00:38:37,500 --> 00:38:35,800

back to like six or seven of their

841

00:38:40,230 --> 00:38:37,510

previous publications because they said

842

00:38:45,930 --> 00:38:40,240

as described previously got there as

843

00:38:49,470 --> 00:38:45,940

described previously okay at a book

844

00:38:51,750 --> 00:38:49,480

chapter that was in a library in I don't

845

00:38:59,270 --> 00:38:51,760

know some I couldn't access it some like

846

00:39:02,460 --> 00:38:59,280

1978 you know it's like out of French I

847

00:39:04,980 --> 00:39:02,470

wanted to just add quickly on the on the

848

00:39:08,610 --> 00:39:04,990

topic of public or parish that predatory

849

00:39:12,150 --> 00:39:08,620

publishing now has become a huge area of

850

00:39:14,190 --> 00:39:12,160

grey literature where basically

851
00:39:16,590 --> 00:39:14,200
companies are popping up all over the

852
00:39:18,690 --> 00:39:16,600
place taking advantage of the fact that

853
00:39:21,210 --> 00:39:18,700
scientists have this huge pressure to

854
00:39:23,910 --> 00:39:21,220
publish and setting up basically fake

855
00:39:26,130 --> 00:39:23,920
journals where they'll say if you pay me

856
00:39:28,440 --> 00:39:26,140
300 bucks I'll publish your paper and

857
00:39:30,840 --> 00:39:28,450
you'll get it within a week and there's

858
00:39:32,550 --> 00:39:30,850
gonna be no peer review except they

859
00:39:34,830 --> 00:39:32,560
don't always overtly save it but don't

860
00:39:36,450 --> 00:39:34,840
say that no they don't you know a young

861
00:39:38,790 --> 00:39:36,460
researcher might not even know no they

862
00:39:41,010 --> 00:39:38,800
don't and there is a company that has

863
00:39:43,740 --> 00:39:41,020

turned this into a huge industry now

864

00:39:46,980 --> 00:39:43,750

which has translated into conferences

865

00:39:48,630 --> 00:39:46,990

where they will look at conferences in a

866

00:39:51,900 --> 00:39:48,640

particular area of expertise they'll

867

00:39:53,670 --> 00:39:51,910

change the title of their slightly but

868

00:39:55,740 --> 00:39:53,680

not enough that you might notice it's

869

00:39:57,660 --> 00:39:55,750

not this party prestigious conference

870

00:40:00,270 --> 00:39:57,670

and then they'll just take BIOS and

871

00:40:02,460 --> 00:40:00,280

photos of scientists who are prestigious

872

00:40:04,350 --> 00:40:02,470

in the area put them on a website and

873

00:40:07,140 --> 00:40:04,360

say car is speaking at this conference

874

00:40:10,170 --> 00:40:07,150

but they haven't asked you and they even

875

00:40:11,730 --> 00:40:10,180

told you and so if you find yourself on

876

00:40:13,650 --> 00:40:11,740

this website and you email them and say

877

00:40:15,790 --> 00:40:13,660

please remove me I'm not involved in

878

00:40:17,890 --> 00:40:15,800

this they won't do that either

879

00:40:20,800 --> 00:40:17,900

and then they'll charge \$3,000 for you

880

00:40:22,780 --> 00:40:20,810

to turn up to a fake conference and one

881

00:40:25,930 --> 00:40:22,790

of the things that I find so frustrating

882

00:40:28,360 --> 00:40:25,940

about that is that academics are so

883

00:40:30,370 --> 00:40:28,370

shrugging about it yeah I think David

884

00:40:33,580 --> 00:40:30,380

Gorski maybe invented the term shrug ii

885

00:40:35,620 --> 00:40:33,590

but i found when i was in the university

886

00:40:37,870 --> 00:40:35,630

system that i would say okay the dean of

887

00:40:40,420 --> 00:40:37,880

research here you need to stand up in

888

00:40:43,960 --> 00:40:40,430

front of all the academics and warn them

889

00:40:46,390 --> 00:40:43,970

of these specific operations and what

890

00:40:47,770 --> 00:40:46,400

they do and tell them not to publish

891

00:40:56,740 --> 00:40:47,780

their do not go to their conferences

892

00:40:59,860 --> 00:40:56,750

they like to heavily in the sciences on

893

00:41:00,790 --> 00:40:59,870

our understanding of the big picture and

894

00:41:03,820 --> 00:41:00,800

so we're like well science is

895

00:41:05,980 --> 00:41:03,830

self-correcting yeah and like eventually

896

00:41:07,960 --> 00:41:05,990

enough people are going to try and

897

00:41:10,870 --> 00:41:07,970

replicate better but the problem is it's

898

00:41:13,630 --> 00:41:10,880

only like that if we are active exactly

899

00:41:15,610 --> 00:41:13,640

do it yeah and relying on somebody else

900

00:41:17,740 --> 00:41:15,620

to do the work is a recipe for disaster

901
00:41:19,990 --> 00:41:17,750
especially because there's something

902
00:41:22,300 --> 00:41:20,000
good about science becoming very spread

903
00:41:23,860 --> 00:41:22,310
out you know it's no longer monolithic

904
00:41:25,480 --> 00:41:23,870
which is a wonderful thing but when it

905
00:41:27,970 --> 00:41:25,490
becomes so spread out that studies are

906
00:41:29,620 --> 00:41:27,980
never replicated yeah when it becomes so

907
00:41:31,960 --> 00:41:29,630
spread out that nobody is ever talking

908
00:41:35,230 --> 00:41:31,970
to one another anymore then what you end

909
00:41:37,000 --> 00:41:35,240
up with is no checks and balances and no

910
00:41:39,310 --> 00:41:37,010
self correction within science and just

911
00:41:41,440 --> 00:41:39,320
a flood of information and no way to

912
00:41:43,390 --> 00:41:41,450
know what is legitimate and what's not

913
00:41:45,220 --> 00:41:43,400

because we're just assuming that because

914

00:41:46,780 --> 00:41:45,230

these people are professionals they

915

00:41:48,730 --> 00:41:46,790

don't make mistakes there's a big

916

00:41:52,270 --> 00:41:48,740

difference between overt intentional

917

00:41:55,120 --> 00:41:52,280

fraud and kind of under the radar

918

00:41:57,100 --> 00:41:55,130

mistakes that are made but the outcome

919

00:41:59,890 --> 00:41:57,110

often is the same and we have to

920

00:42:02,470 --> 00:41:59,900

remember that yeah absolutely really is

921

00:42:04,840 --> 00:42:02,480

there a collection that lists or

922

00:42:06,640 --> 00:42:04,850

someplace that we can go that has a list

923

00:42:08,680 --> 00:42:06,650

of the predatory journals so I'm often

924

00:42:10,120 --> 00:42:08,690

looking yeah to figure it out but I

925

00:42:12,400 --> 00:42:10,130

don't know where to go retraction watch

926
00:42:14,380 --> 00:42:12,410
which is what Kara mentioned so there

927
00:42:16,570 --> 00:42:14,390
used to be a librarian called Jeffrey

928
00:42:18,160 --> 00:42:16,580
Beale and he would curate a list of

929
00:42:19,540 --> 00:42:18,170
credit to publishers and it just kept

930
00:42:21,640 --> 00:42:19,550
getting longer and longer and longer and

931
00:42:23,950 --> 00:42:21,650
then one day his list disappeared from

932
00:42:26,410 --> 00:42:23,960
the internet and he went dark and it

933
00:42:28,250 --> 00:42:26,420
went dark and nobody knows why if unless

934
00:42:30,080 --> 00:42:28,260
anyone has an update

935
00:42:32,690 --> 00:42:30,090
in the audience so it's been mirrored

936
00:42:34,850 --> 00:42:32,700
now by retraction watch so retraction

937
00:42:37,670 --> 00:42:34,860
watch has a list of predatory publishers

938
00:42:39,500 --> 00:42:37,680

that they try to update and it just

939

00:42:41,660 --> 00:42:39,510

keeps getting longer and longer

940

00:42:44,360 --> 00:42:41,670

but yeah a look-in retraction watch

941

00:42:45,830 --> 00:42:44,370

that's good advice I do like letting you

942

00:42:48,890 --> 00:42:45,840

things like that along the way in that

943

00:42:50,690 --> 00:42:48,900

these sessions well folks as Carl Sagan

944

00:42:53,690 --> 00:42:50,700

said and I remind you once more the

945

00:42:56,090 --> 00:42:53,700

method of science is tried and true it

946

00:42:58,430 --> 00:42:56,100

is not perfect but it's the best we have

947

00:43:01,640 --> 00:42:58,440

in the couple of minutes we have

948

00:43:04,070 --> 00:43:01,650

remaining to us spitballing I guess

949

00:43:06,020 --> 00:43:04,080

you'd say what can we do to improve the

950

00:43:09,470 --> 00:43:06,030

general method of science or the

951
00:43:11,870 --> 00:43:09,480
problems it faces Rachel I think that we

952
00:43:13,340 --> 00:43:11,880
should work closely with media and we've

953
00:43:15,920 --> 00:43:13,350
had a lot of success doing this in

954
00:43:20,690 --> 00:43:15,930
Australia as scientists because media is

955
00:43:22,970 --> 00:43:20,700
out there are a mouthpiece and they are

956
00:43:24,920 --> 00:43:22,980
often accused of badly translating

957
00:43:28,460 --> 00:43:24,930
science and writing bad articles and

958
00:43:30,380 --> 00:43:28,470
that's our fault we need to deal with

959
00:43:33,260 --> 00:43:30,390
them well we need to work with them

960
00:43:34,970 --> 00:43:33,270
because if we want people to understand

961
00:43:36,800 --> 00:43:34,980
what we do if we want to attract public

962
00:43:39,470 --> 00:43:36,810
funding we want our work to be

963
00:43:42,110 --> 00:43:39,480

communicated well and so we try to do

964

00:43:44,000 --> 00:43:42,120

that in Australia the other thing that I

965

00:43:45,410 --> 00:43:44,010

think is really known very well in this

966

00:43:48,650 --> 00:43:45,420

country is the website called the

967

00:43:51,050 --> 00:43:48,660

conversation and this is an academic

968

00:43:52,910 --> 00:43:51,060

website where if you have a position in

969

00:43:56,240 --> 00:43:52,920

a in an academic institution you can

970

00:43:57,830 --> 00:43:56,250

write articles for them in consultation

971

00:44:00,170 --> 00:43:57,840

with an editor so that will help you to

972

00:44:02,270 --> 00:44:00,180

structure it it's usually only 800 words

973

00:44:08,000 --> 00:44:02,280

and it's it's got a Creative Commons

974

00:44:10,790 --> 00:44:08,010

license on it it's picked up by whoever

975

00:44:12,470 --> 00:44:10,800

wants to republish it and you only have

976

00:44:14,690 --> 00:44:12,480

to write one article and then that you

977

00:44:16,010 --> 00:44:14,700

can see it go viral potentially so

978

00:44:18,080 --> 00:44:16,020

that's such a great way to get your

979

00:44:22,370 --> 00:44:18,090

science out to the public I think that's

980

00:44:23,240 --> 00:44:22,380

good I think that you know it's it's

981

00:44:25,400 --> 00:44:23,250

hard to solve all these problems

982

00:44:27,200 --> 00:44:25,410

individually and I think that we could

983

00:44:29,210 --> 00:44:27,210

put a bunch of band-aids in different

984

00:44:31,220 --> 00:44:29,220

places and we can say you know you need

985

00:44:33,350 --> 00:44:31,230

to be more responsible as a scientist or

986

00:44:35,330 --> 00:44:33,360

we need to be better about communicators

987

00:44:36,800 --> 00:44:35,340

all these things are important but I do

988

00:44:40,160 --> 00:44:36,810

think that something that's more kind of

989

00:44:41,700 --> 00:44:40,170

central and fundamental is that as an

990

00:44:45,030 --> 00:44:41,710

educational approach

991

00:44:47,220 --> 00:44:45,040

I personally believe that we need more

992

00:44:49,140 --> 00:44:47,230

ethics education and we need more

993

00:44:51,780 --> 00:44:49,150

philosophy education yeah within the

994

00:44:53,849 --> 00:44:51,790

sciences yeah and if more individual

995

00:44:55,890 --> 00:44:53,859

scientists but also individuals who

996

00:44:58,280 --> 00:44:55,900

don't study science at all just people

997

00:45:00,839 --> 00:44:58,290

who go through college are are

998

00:45:03,570 --> 00:45:00,849

well-versed in basic philosophy and

999

00:45:06,150 --> 00:45:03,580

basic ethics that could go a long way

1000

00:45:08,220 --> 00:45:06,160

yeah yeah 100 percent agreement right

1001

00:45:12,210 --> 00:45:08,230

you have a rather interesting

1002

00:45:13,740 --> 00:45:12,220

perspective on all this I know yeah well

1003

00:45:15,750 --> 00:45:13,750

I I have different ideas sort of

1004

00:45:18,480 --> 00:45:15,760

floating through my head you know on on

1005

00:45:20,790 --> 00:45:18,490

a global scale I think we have to get I

1006

00:45:24,210 --> 00:45:20,800

would like to see more physicians

1007

00:45:26,370 --> 00:45:24,220

involved actually and and at an earlier

1008

00:45:29,250 --> 00:45:26,380

level so at the medical school level and

1009

00:45:31,170 --> 00:45:29,260

I'm really fortunate in that I have a

1010

00:45:33,000 --> 00:45:31,180

bit of a younger audience so I have a

1011

00:45:36,270 --> 00:45:33,010

lot of people in med school reaching out

1012

00:45:38,760 --> 00:45:36,280

to me to get advice from me about how to

1013

00:45:41,250 --> 00:45:38,770

talk to their patients and future

1014

00:45:44,940 --> 00:45:41,260

patients about alternative medicine but

1015

00:45:46,800 --> 00:45:44,950

what I was going to say was that I think

1016

00:45:48,540 --> 00:45:46,810

we should start having start practicing

1017

00:45:50,130 --> 00:45:48,550

difficult conversations with people who

1018

00:45:53,700 --> 00:45:50,140

are close to us in our lives

1019

00:45:56,930 --> 00:45:53,710

so I study evolutionary genomics and I

1020

00:45:59,940 --> 00:45:56,940

was able to successfully explain my

1021

00:46:02,460 --> 00:45:59,950

research and the point of my research to

1022

00:46:06,120 --> 00:46:02,470

family members who are fundamental

1023

00:46:07,859 --> 00:46:06,130

Christians Wow and we had a very lovely

1024

00:46:09,300 --> 00:46:07,869

conversation and everyone stayed

1025

00:46:11,970 --> 00:46:09,310

respectful and this is a difficult thing

1026
00:46:15,480 --> 00:46:11,980
to do but I think this is a good it was

1027
00:46:16,829 --> 00:46:15,490
a safe place for me to start maybe it's

1028
00:46:18,150 --> 00:46:16,839
not always safe for people to start

1029
00:46:20,250 --> 00:46:18,160
talking about this stuff within their

1030
00:46:22,589 --> 00:46:20,260
family but it was a good place to start

1031
00:46:24,390 --> 00:46:22,599
to try to figure out how to have these

1032
00:46:26,609 --> 00:46:24,400
conversations with people who are very

1033
00:46:28,140 --> 00:46:26,619
different than me and have a very

1034
00:46:30,270 --> 00:46:28,150
different background in a very different

1035
00:46:32,310 --> 00:46:30,280
ideology than me and I think the better

1036
00:46:33,810 --> 00:46:32,320
that we can get at having these

1037
00:46:36,599 --> 00:46:33,820
difficult conversations from people from

1038
00:46:37,800 --> 00:46:36,609

all walks of life the better that we are

1039

00:46:39,359 --> 00:46:37,810

going to be as a group the more

1040

00:46:45,420 --> 00:46:39,369

successful we're going to be as a group

1041

00:46:46,950 --> 00:46:45,430

will continue to grow and and I think

1042

00:46:50,570 --> 00:46:46,960

the future and the outlook is going to

1043

00:46:52,920 --> 00:46:50,580

be much more successful for us and much

1044

00:46:54,470 --> 00:46:52,930

much better for us in the end if we can

1045

00:46:56,750 --> 00:46:54,480

learn to have these respectful come

1046

00:46:58,460 --> 00:46:56,760

sessions I think you're right the fact

1047

00:47:00,230 --> 00:46:58,470

that we acknowledge if there are so many

1048

00:47:02,390 --> 00:47:00,240

problems in science can only be a good

1049

00:47:04,490 --> 00:47:02,400

thing that we can address the problems

1050

00:47:06,020 --> 00:47:04,500

once we identify them ladies and

1051
00:47:08,390 --> 00:47:06,030
gentlemen what an honor it's been to

1052
00:47:10,609 --> 00:47:08,400
share the stage with such August company

1053
00:47:13,500 --> 00:47:10,619
would you think dr. Rachael Dunlop Cara

1054
00:47:16,470 --> 00:47:13,510
Santa Maria and be happy

1055
00:47:20,770 --> 00:47:16,480
[Applause]

1056
00:47:23,510 --> 00:47:20,780
[Music]

1057
00:47:26,660 --> 00:47:23,520
thank you to dr. Rachael Dunlop Cara

1058
00:47:29,900 --> 00:47:26,670
Santa Maria and Britt Hermes for your

1059
00:47:31,970 --> 00:47:29,910
insights into some of the problems in

1060
00:47:35,930 --> 00:47:31,980
science and again you can see the full

1061
00:47:57,400 --> 00:47:35,940
panel discussion links in the show notes

1062
00:48:01,910 --> 00:47:59,840
thank you for listening to the skeptic

1063
00:48:09,650 --> 00:48:01,920

zone and oh yes

1064

00:48:16,000 --> 00:48:09,660

what's this opens the window another

1065

00:48:18,080 --> 00:48:16,010

plane flying over there's people who

1066

00:48:21,020 --> 00:48:18,090

regularly listen to the skeptic zone

1067

00:48:25,550 --> 00:48:21,030

know that if I record my introduction

1068

00:48:25,970 --> 00:48:25,560

pieces and the end piece on a Sunday

1069

00:48:29,300 --> 00:48:25,980

morning

1070

00:48:31,010 --> 00:48:29,310

it's the flight path time in Sydney know

1071

00:48:32,540 --> 00:48:31,020

that the cats care now I promised you

1072

00:48:35,360 --> 00:48:32,550

the dice game all right here we go

1073

00:48:38,360 --> 00:48:35,370

we'll start with six gonna roll the

1074

00:48:42,050 --> 00:48:38,370

six-sided dice now if I keep using the

1075

00:48:44,450 --> 00:48:42,060

word dice why I should say die just just

1076

00:48:46,490 --> 00:48:44,460

put up with it here we go six so use

1077

00:48:51,620 --> 00:48:46,500

your psychic predicting power I'm

1078

00:48:55,430 --> 00:48:51,630

rolling a six and it's come up with six

1079

00:48:58,550 --> 00:48:55,440

there we go now move up to the ten sided

1080

00:49:02,290 --> 00:48:58,560

here we go ready predict away ten sided

1081

00:49:09,200 --> 00:49:07,010

four that's the next number along I move

1082

00:49:09,560 --> 00:49:09,210

up now to the thirty sided dice here we

1083

00:49:14,630 --> 00:49:09,570

go

1084

00:49:20,140 --> 00:49:14,640

thirty sided would be a low number our

1085

00:49:23,060 --> 00:49:20,150

high number crunch-crunch-crunch nine

1086

00:49:28,700 --> 00:49:23,070

finally and it's quite an amazing thing

1087

00:49:34,160 --> 00:49:28,710

this sixty sided dice here we go rolls

1088

00:49:36,860 --> 00:49:34,170

to a slow stop on six that's interesting

1089

00:49:40,870 --> 00:49:36,870

so well I had to come up on something so

1090

00:49:43,850 --> 00:49:40,880

the numbers are six four nine and six

1091

00:49:46,940 --> 00:49:43,860

how did you do and if you got all four

1092

00:49:49,820 --> 00:49:46,950

numbers right you beat odds of about a

1093

00:49:51,920 --> 00:49:49,830

hundred and eight thousand to one well

1094

00:49:54,770 --> 00:49:51,930

done coming up on next week's show

1095

00:49:57,590 --> 00:49:54,780

probably some UFOs I think I'm going to

1096

00:50:02,180 --> 00:49:57,600

be meeting with my good friend dr. Steve

1097

00:50:04,010 --> 00:50:02,190

Roberts one of the skeptics UFO expert

1098

00:50:05,360 --> 00:50:04,020

oh and he always says how can you be an

1099

00:50:06,980 --> 00:50:05,370

expert in something that doesn't exist

1100

00:50:08,440 --> 00:50:06,990

or probably doesn't exist of course

1101

00:50:10,779 --> 00:50:08,450

would we say UFO

1102

00:50:13,690 --> 00:50:10,789

with a general population understand

1103

00:50:15,400 --> 00:50:13,700

that to mean alien spaceship not really

1104

00:50:18,220 --> 00:50:15,410

unidentified flying object

1105

00:50:20,079 --> 00:50:18,230

the popular in the popular imagination

1106

00:50:23,049 --> 00:50:20,089

I'm sure if you said to anybody have you

1107

00:50:24,759 --> 00:50:23,059

seen a UFO alien spaceship is the thing

1108

00:50:27,069 --> 00:50:24,769

they think about anyway I'm going to be

1109

00:50:29,259 --> 00:50:27,079

visiting dr. Steve Roberts and I'm sure

1110

00:50:31,420 --> 00:50:29,269

that topic will come up in fact I'm

1111

00:50:33,759 --> 00:50:31,430

spending some time in Melbourne Victoria

1112

00:50:36,670 --> 00:50:33,769

to go to this State Library of Victoria

1113

00:50:38,829 --> 00:50:36,680

to continue my research into the great

1114

00:50:41,829 --> 00:50:38,839

prediction project now this is going

1115

00:50:44,980 --> 00:50:41,839

into its second year where I'm collating

1116

00:50:48,789 --> 00:50:44,990

every published psychic prediction I can

1117

00:50:53,200 --> 00:50:48,799

find made in Australia since the year

1118

00:50:54,819 --> 00:50:53,210

2000 it's quite an undertaking and there

1119

00:50:58,180 --> 00:50:54,829

are hundreds and hundreds of predictions

1120

00:51:01,650 --> 00:50:58,190

to find and then put into spreadsheets

1121

00:51:05,440 --> 00:51:01,660

and then the laborious part is really

1122

00:51:06,609 --> 00:51:05,450

checking them some are too vague some

1123

00:51:10,029 --> 00:51:06,619

contradict each other

1124

00:51:11,710 --> 00:51:10,039

most the wrong some are right which you

1125

00:51:13,450 --> 00:51:11,720

would expect anyway given enough

1126

00:51:15,700 --> 00:51:13,460

predictions but it's a fascinating

1127

00:51:18,880 --> 00:51:15,710

project and I think I have alluded to

1128

00:51:22,299 --> 00:51:18,890

this before I might need help and if I

1129

00:51:24,519 --> 00:51:22,309

do it might be your opportunity to help

1130

00:51:26,680 --> 00:51:24,529

along the way we'll see we'll see and

1131

00:51:29,170 --> 00:51:26,690

before I go I remind that I do

1132

00:51:31,380 --> 00:51:29,180

appreciate the sponsors of the skeptic

1133

00:51:33,849 --> 00:51:31,390

zone and I don't take paid advertising

1134

00:51:35,970 --> 00:51:33,859

and what I mean by that is people like

1135

00:51:38,499 --> 00:51:35,980

you listening to the show who contribute

1136

00:51:42,099 --> 00:51:38,509

sometimes a dollar a week at \$2 a week

1137

00:51:45,609 --> 00:51:42,109

\$5 \$20 a week via patreon or PayPal at

1138

00:51:49,839 --> 00:51:45,619

skeptics and TV and as I like to remind

1139

00:51:52,059 --> 00:51:49,849

you it's because of people like you that

1140

00:51:54,759 --> 00:51:52,069

everybody gets to enjoy well I hope

1141

00:51:56,740 --> 00:51:54,769

enjoy the skeptics urn but until next

1142

00:52:02,730 --> 00:51:56,750

week this is Richard Saunders signing

1143

00:52:08,140 --> 00:52:05,230

you've been listening to the skeptic

1144

00:52:14,830 --> 00:52:08,150

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1145

00:52:18,330 --> 00:52:14,840

wwlp.com tax and to access the bat

1146

00:52:21,010 --> 00:52:18,340

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00:52:24,280 --> 00:52:21,020

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00:52:26,560 --> 00:52:24,290

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1149

00:52:27,450 --> 00:52:26,570

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1150

00:52:30,130 --> 00:52:27,460

itunes

1151

00:52:33,520 --> 00:52:30,140

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00:52:36,240 --> 00:52:33,530

via patreon or PayPal the skeptic zone

1153

00:52:38,620 --> 00:52:36,250

podcast is an independent production

1154

00:52:40,750 --> 00:52:38,630

reviews and opinions expressed on the

1155

00:52:43,090 --> 00:52:40,760

skeptic zone are not necessarily those

1156

00:52:44,930 --> 00:52:43,100

of Australian skeptics or any other