

Show 523

THE
**SKEPTIC
ZONE**
PODCAST

28 Oct 2018

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Skepticon 2018 - Part #1



The Skeptic Zone Podcast
Show 523 - 28 October 2018

Skepticon 2018 - Part #1

Interviews with....

Yvette d'Entremont
Trish Hann
Heidi Robertson
Mandy-Lee Noble
Dr Sue Blackmore
Dr Vyom Sharma
GSoW

1
00:00:13,930 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:17,140 --> 00:00:13,940
from Australia for science and reason

3
00:00:24,120 --> 00:00:21,650
[Music]

4
00:00:27,779 --> 00:00:24,130
yes it's the skeptic zone podcast

5
00:00:30,150 --> 00:00:27,789
episode number 523 for the 28th of

6
00:00:31,890 --> 00:00:30,160
October 2018 richardsaunders here with

7
00:00:33,119 --> 00:00:31,900
you from Sydney Australia and I don't

8
00:00:35,880 --> 00:00:33,129
know if the microphone can pick it up

9
00:00:38,820 --> 00:00:35,890
but the birds are chirping outside this

10
00:00:40,710 --> 00:00:38,830
time of the year spring coming well some

11
00:00:45,210 --> 00:00:40,720
are coming or something like that all

12
00:00:47,880 --> 00:00:45,220
sorts of birds start to chirp outside

13
00:00:50,160 --> 00:00:47,890

the skeptics own window even at 4

14

00:00:53,340 --> 00:00:50,170

o'clock in the morning sometimes coming

15

00:00:56,039 --> 00:00:53,350

up on this week's show lots of

16

00:00:57,689 --> 00:00:56,049

interviews and reports from skeptic on a

17

00:00:59,579 --> 00:00:57,699

couple of weeks ago here in Sydney

18

00:01:01,649 --> 00:00:59,589

Australia are the Australian skeptics

19

00:01:04,530 --> 00:01:01,659

National Convention we're gonna kick off

20

00:01:06,570 --> 00:01:04,540

with well running around microphones i

21

00:01:08,730 --> 00:01:06,580

chat to mandelino with one of our

22

00:01:11,460 --> 00:01:08,740

reporters another one of our reporters

23

00:01:14,219 --> 00:01:11,470

Heidi Robertson the raw skeptic the

24

00:01:17,280 --> 00:01:14,229

guerrilla skepticism on Wikipedia team

25

00:01:20,429 --> 00:01:17,290

who are at the convention and dr. sue

26

00:01:23,399 --> 00:01:20,439

Blackmore one of the presenters Paul

27

00:01:25,760 --> 00:01:23,409

very informal all these people were sort

28

00:01:28,200 --> 00:01:25,770

of in the foyer of the convention

29

00:01:30,749 --> 00:01:28,210

chatting to people having a cup of tea

30

00:01:32,880 --> 00:01:30,759

that sort of thing which was a nice time

31

00:01:34,740 --> 00:01:32,890

to catch up with them following that a

32

00:01:39,810 --> 00:01:34,750

report from Australian skeptics for a

33

00:01:44,340 --> 00:01:39,820

plea or a a message how you yes you how

34

00:01:47,609 --> 00:01:44,350

you can send your ideas and be more

35

00:01:50,459 --> 00:01:47,619

involved with skepticism the Australian

36

00:01:53,399 --> 00:01:50,469

skeptics are looking for ideas and your

37

00:01:53,880 --> 00:01:53,409

input details coming up later on in the

38

00:01:57,359 --> 00:01:53,890

show

39

00:02:00,239 --> 00:01:57,369

then it's Maynard spooky action may not

40

00:02:02,730 --> 00:02:00,249

spooky action at a distance this week

41

00:02:06,539 --> 00:02:02,740

Evette don't Thurmont thus I babe part

42

00:02:08,820 --> 00:02:06,549

one may not end Eve it for a chatting

43

00:02:10,440 --> 00:02:08,830

for a long time so I've sort of split

44

00:02:13,490 --> 00:02:10,450

the interview up into three parts this

45

00:02:17,250 --> 00:02:13,500

week part one may not also check to

46

00:02:19,140 --> 00:02:17,260

doctor varam Sharma and Trish Han who

47

00:02:21,150 --> 00:02:19,150

you here on the skeptic zone from time

48

00:02:23,850 --> 00:02:21,160

to time now she's a woman I have a cup

49

00:02:25,710 --> 00:02:23,860

of coffee with when you hear the

50

00:02:26,640 --> 00:02:25,720

promotion for the good thinking society

51
00:02:28,710 --> 00:02:26,650
from time to time

52
00:02:31,540 --> 00:02:28,720
in fact Trish gave a really interesting

53
00:02:36,790 --> 00:02:34,870
aimed at women now before we get into

54
00:02:38,620 --> 00:02:36,800
the show a quick reminder if you're in

55
00:02:40,990 --> 00:02:38,630
New Zealand or you're heading to New

56
00:02:44,170 --> 00:02:41,000
Zealand later next month

57
00:02:46,660 --> 00:02:44,180
the New Zealand skeptics conference is

58
00:02:49,950 --> 00:02:46,670
going to be held in Auckland from Friday

59
00:02:52,570 --> 00:02:49,960
the 16th to Sunday the 18th of November

60
00:02:54,790 --> 00:02:52,580
one of our committee members here from

61
00:02:56,890 --> 00:02:54,800
Australian skeptics Ian Bryce now

62
00:02:59,020 --> 00:02:56,900
challenge coordinator investigator will

63
00:03:01,600 --> 00:02:59,030

be heading over to give a talk and you

64

00:03:05,830 --> 00:03:01,610

can find out more at Conference dot

65

00:03:09,100 --> 00:03:05,840

skeptics dot NZ and if you're in Sydney

66

00:03:11,890 --> 00:03:09,110

Australia this Thursday the 1st of

67

00:03:14,170 --> 00:03:11,900

November at skeptics in the pub at the

68

00:03:17,350 --> 00:03:14,180

Occidental hotel just near Wynyard

69

00:03:19,930 --> 00:03:17,360

station we have our guest is David

70

00:03:22,810 --> 00:03:19,940

Rosenberg he'll be talking about his

71

00:03:24,100 --> 00:03:22,820

book Pine Gap now you would have heard a

72

00:03:25,900 --> 00:03:24,110

couple of interviews with David

73

00:03:28,870 --> 00:03:25,910

Rosenberg over the last few weeks on the

74

00:03:31,540 --> 00:03:28,880

skeptics urn now everybody's welcome to

75

00:03:34,810 --> 00:03:31,550

come along to skeptics in the pub in

76

00:03:37,630 --> 00:03:34,820

Sydney but if you want to be kept up to

77

00:03:43,740 --> 00:03:37,640

date you can join the meetup group which

78

00:03:46,540 --> 00:03:43,750

is meetup.com slash Aust a ust skeptics

79

00:03:48,580 --> 00:03:46,550

I'll link to that in the show notes it's

80

00:03:50,020 --> 00:03:48,590

the first Thursday of every month and we

81

00:03:52,270 --> 00:03:50,030

always try to have an interesting

82

00:03:53,800 --> 00:03:52,280

speaker for you all right I don't know

83

00:03:57,640 --> 00:03:53,810

where those skeptics own cats are this

84

00:04:01,060 --> 00:03:57,650

week they were around a bit before I'm

85

00:04:05,320 --> 00:04:01,070

gonna run downstairs I'm gonna open a

86

00:04:07,330 --> 00:04:05,330

tin of cat food give the skeptics own

87

00:04:09,610 --> 00:04:07,340

catch their dinner while I'm doing that

88

00:04:17,910 --> 00:04:09,620

I hope you enjoy the skeptic zone

89

00:04:20,940 --> 00:04:17,920

[Music]

90

00:04:29,960 --> 00:04:20,950

[Applause]

91

00:04:34,170 --> 00:04:33,480

I'm walking out into the foyer here with

92

00:04:35,879 --> 00:04:34,180

me neither

93

00:04:37,320 --> 00:04:35,889

lots of people here may not looks pretty

94

00:04:38,550 --> 00:04:37,330

good look everyone's really busy lots of

95

00:04:40,560 --> 00:04:38,560

people of toners try and get a bargain

96

00:04:42,210 --> 00:04:40,570

at one of the stalls so there's a lot of

97

00:04:44,340 --> 00:04:42,220

people buying a good tour it's good to

98

00:04:46,379 --> 00:04:44,350

get a good it's got a sceptical good Oh

99

00:04:46,860 --> 00:04:46,389

get in left Brian if that was buying a

100

00:04:52,499 --> 00:04:46,870

good

101
00:04:55,159 --> 00:04:52,509
let's just go chapter a few people let's

102
00:04:59,249 --> 00:04:57,629
it's all happening here in the foyer of

103
00:05:02,010 --> 00:04:59,259
the Australian skeptics convention

104
00:05:04,320 --> 00:05:02,020
skeptic on goodness me it's skeptic zone

105
00:05:07,110 --> 00:05:04,330
reporter Mandy lean Noble the diet

106
00:05:09,240 --> 00:05:07,120
skeptic hello hello Richard hey Joey um

107
00:05:10,230 --> 00:05:09,250
well it's great to see you here looks

108
00:05:13,050 --> 00:05:10,240
like we're in for a great conference

109
00:05:15,089 --> 00:05:13,060
yeah there's some a lot of people

110
00:05:16,800 --> 00:05:15,099
arriving everyone's really excited we

111
00:05:18,900 --> 00:05:16,810
could line up a speaker so it should be

112
00:05:22,140 --> 00:05:18,910
a good couple of days yeah kicking off

113
00:05:24,060 --> 00:05:22,150

off of dr. Karl who I just I think he's

114

00:05:26,270 --> 00:05:24,070

over there being mobbed by some fans at

115

00:05:29,279 --> 00:05:26,280

the moment he's explaining why the

116

00:05:31,439 --> 00:05:29,289

quickest way to the glare focus I think

117

00:05:31,830 --> 00:05:31,449

is fire and time to care or something

118

00:05:33,659 --> 00:05:31,840

like that

119

00:05:36,300 --> 00:05:33,669

he's doing a bit of science on the fly

120

00:05:38,580 --> 00:05:36,310

as he does it sounds exactly like what

121

00:05:42,439 --> 00:05:38,590

something dr. Karl would say he's

122

00:05:45,149 --> 00:05:42,449

drawing diagrams on the back of his pass

123

00:05:46,710 --> 00:05:45,159

I'll be a collector's item no it's great

124

00:05:48,480 --> 00:05:46,720

the scene here folks people are grabbing

125

00:05:50,879 --> 00:05:48,490

some last minute coffees milling around

126

00:05:52,529 --> 00:05:50,889

at the registration desk the tip

127

00:05:54,420 --> 00:05:52,539

t-shirts are going did you see the

128

00:05:56,969 --> 00:05:54,430

t-shirt there is some rather nifty

129

00:05:59,129 --> 00:05:56,979

looking merchandise this year some fun

130

00:06:00,290 --> 00:05:59,139

cartoons on the front of t-shirts and

131

00:06:02,360 --> 00:06:00,300

things

132

00:06:06,320 --> 00:06:02,370

it looks like it's gonna be a fabulous

133

00:06:08,600 --> 00:06:06,330

weekend and of course committee over

134

00:06:10,610 --> 00:06:08,610

there they look calm on the outside but

135

00:06:13,279 --> 00:06:10,620

not on the inside there no they're doing

136

00:06:15,589 --> 00:06:13,289

ok no doubt they like the ducks on the

137

00:06:17,330 --> 00:06:15,599

water underneath it's going a million

138

00:06:19,189 --> 00:06:17,340

miles an hour those little beat people

139

00:06:21,499 --> 00:06:19,199

to play but it's really well organized

140

00:06:24,399 --> 00:06:21,509

and they've done a supreme job so

141

00:06:27,260 --> 00:06:24,409

alright and I see people already

142

00:06:28,010 --> 00:06:27,270

wandering in to get their seats so I'll

143

00:06:29,510 --> 00:06:28,020

let you do it

144

00:06:34,459 --> 00:06:29,520

thanks a lot Richard and I'll see you

145

00:06:41,270 --> 00:06:34,469

around hello it's skeptic zone reporter

146

00:06:42,860 --> 00:06:41,280

Heidi I know it's a good microphone

147

00:06:43,999 --> 00:06:42,870

thanks to the skipping zone listeners

148

00:06:49,580 --> 00:06:44,009

who paid for it it's a good microphone

149

00:06:50,719 --> 00:06:49,590

it we can handle your shrieks great to

150

00:06:53,089 --> 00:06:50,729

see you here thank you for coming down

151
00:06:55,640 --> 00:06:53,099
to be part of the fun oh it's very

152
00:06:58,580 --> 00:06:55,650
exciting and we've actually got Renee

153
00:07:01,580 --> 00:06:58,590
who's first skeptic on it is this year

154
00:07:03,350 --> 00:07:01,590
Renee is has been a member of our

155
00:07:06,080 --> 00:07:03,360
Northern Rivers vaccination supporters

156
00:07:07,820 --> 00:07:06,090
group for the five years since we formed

157
00:07:09,890 --> 00:07:07,830
and this is her first skip pickle and

158
00:07:11,809 --> 00:07:09,900
she's come down to have it to have a

159
00:07:13,839 --> 00:07:11,819
look to see what it's all about I hope

160
00:07:18,200 --> 00:07:13,849
you are in for a good time I'm very

161
00:07:20,209 --> 00:07:18,210
excited thank you Cheers

162
00:07:22,459 --> 00:07:20,219
just had a selfie with dr. cow so we're

163
00:07:23,180 --> 00:07:22,469

off to a good sound yeah after a very

164

00:07:26,809 --> 00:07:23,190

good start

165

00:07:29,540 --> 00:07:26,819

I'm loving it and I was saying to Renee

166

00:07:31,249 --> 00:07:29,550

I think it was dr. Karl who came up with

167

00:07:35,520 --> 00:07:31,259

the term selfie is that that's right

168

00:07:41,590 --> 00:07:38,710

I know you know your mr. memory he gives

169

00:07:44,020 --> 00:07:41,600

a talking way he he discovers that the

170

00:07:46,120 --> 00:07:44,030

first use of the term selfie I thought

171

00:07:50,530 --> 00:07:46,130

it was even he then he come up that

172

00:07:52,650 --> 00:07:50,540

knows me in fact there you go there's a

173

00:07:56,170 --> 00:07:52,660

listen to a saw in into fact-checked

174

00:07:57,640 --> 00:07:56,180

check we do we do all right well I'll

175

00:07:59,620 --> 00:07:57,650

let you do it and we'll be catching up

176
00:08:01,600 --> 00:07:59,630
over the course of the weekend very good

177
00:08:02,820 --> 00:08:01,610
looking forward to it way to write you

178
00:08:04,900 --> 00:08:02,830
thank you

179
00:08:08,890 --> 00:08:04,910
it's the table of guerrilla skepticism

180
00:08:09,760 --> 00:08:08,900
on Wikipedia gso W hello susan gerbic if

181
00:08:13,060 --> 00:08:09,770
you're listening of course you're

182
00:08:15,670 --> 00:08:13,070
listening and your team are here putting

183
00:08:17,380 --> 00:08:15,680
out the good word hello oh how are you

184
00:08:19,510 --> 00:08:17,390
I'm well how's it going with the

185
00:08:21,340 --> 00:08:19,520
guerrilla skeptics here in Sydney it's

186
00:08:23,410 --> 00:08:21,350
going really well we're having some good

187
00:08:25,830 --> 00:08:23,420
conversations with people and hopefully

188
00:08:28,600 --> 00:08:25,840

over the next two days we'll have more

189

00:08:29,920 --> 00:08:28,610

and people you're finding people don't

190

00:08:32,080 --> 00:08:29,930

know about it or they're interested I'm

191

00:08:34,330 --> 00:08:32,090

surprised that the number of people who

192

00:08:36,250 --> 00:08:34,340

don't know about guerrilla skeptics and

193

00:08:38,980 --> 00:08:36,260

they look at it and they say what is

194

00:08:41,560 --> 00:08:38,990

this and we're just explaining what it

195

00:08:43,240 --> 00:08:41,570

is and it's a it's a great group and

196

00:08:45,810 --> 00:08:43,250

we're doing a lot of great work on

197

00:08:48,370 --> 00:08:45,820

Wikipedia all over the world and I see

198

00:08:49,510 --> 00:08:48,380

in front of me that all the Flyers here

199

00:08:54,630 --> 00:08:49,520

little leaflets about guerrilla

200

00:08:58,450 --> 00:08:54,640

skepticism on Wikipedia and its look and

201
00:09:00,410 --> 00:08:58,460
stickers stickers are you can't go wrong

202
00:09:03,470 --> 00:09:00,420
with stickers

203
00:09:05,690 --> 00:09:03,480
so you put that together put that

204
00:09:07,970 --> 00:09:05,700
together but I did use information from

205
00:09:11,120 --> 00:09:07,980
a lot of other of the resale people to

206
00:09:13,100 --> 00:09:11,130
put it together so well there you are

207
00:09:15,680 --> 00:09:13,110
Susan go back we're checking in just for

208
00:09:17,780 --> 00:09:15,690
you and of course all the people who

209
00:09:19,720 --> 00:09:17,790
don't know about it we're suggesting a

210
00:09:21,770 --> 00:09:19,730
listen to the skeptic zone to learn more

211
00:09:32,210 --> 00:09:21,780
always a good idea

212
00:09:37,439 --> 00:09:34,470
and I have one of the speakers here with

213
00:09:39,300 --> 00:09:37,449

resue Blackwell hello sue hello anyway

214

00:09:42,150 --> 00:09:39,310

you're here to tell us all about your

215

00:09:44,759 --> 00:09:42,160

interesting research into altered states

216

00:09:46,650 --> 00:09:44,769

or out-of-body experiences no it's very

217

00:09:48,449 --> 00:09:46,660

specifically out-of-body experiences and

218

00:09:51,150 --> 00:09:48,459

I have a new book out which sadly they

219

00:09:52,530 --> 00:09:51,160

haven't got here called seeing myself

220

00:09:54,840 --> 00:09:52,540

the new science of out-of-body

221

00:09:57,480 --> 00:09:54,850

experiences and it's basically my life's

222

00:10:00,030 --> 00:09:57,490

work and nobody cares because I had this

223

00:10:02,519 --> 00:10:00,040

amazing out-of-body experience in 1970

224

00:10:04,410 --> 00:10:02,529

which I couldn't explain and I got

225

00:10:05,670 --> 00:10:04,420

involved in research and then gave it up

226

00:10:08,910 --> 00:10:05,680

because I couldn't explain it

227

00:10:11,519 --> 00:10:08,920

and now 40 whatever five years later

228

00:10:13,530 --> 00:10:11,529

however many years we have the

229

00:10:15,990 --> 00:10:13,540

neuroscience and we know which bit of

230

00:10:18,329 --> 00:10:16,000

the brain is doing it and has to be

231

00:10:19,470 --> 00:10:18,339

disturbed in order to get you feeling

232

00:10:21,960 --> 00:10:19,480

that you're out of your body

233

00:10:23,579 --> 00:10:21,970

and the reason it's so interesting the

234

00:10:25,980 --> 00:10:23,589

reason is that bit of the brain the

235

00:10:28,710 --> 00:10:25,990

right temporoparietal junction is doing

236

00:10:30,569 --> 00:10:28,720

all the self constructing and keeping

237

00:10:31,980 --> 00:10:30,579

track of your body schema where your

238

00:10:34,319 --> 00:10:31,990

arms and legs are what your body is

239

00:10:36,840 --> 00:10:34,329

doing so it makes sense when you disturb

240

00:10:39,240 --> 00:10:36,850

that you get all these weird distortions

241

00:10:42,360 --> 00:10:39,250

of your body and at the extreme you got

242

00:10:43,769 --> 00:10:42,370

your body schema splits and you feel

243

00:10:45,059 --> 00:10:43,779

you're out of your body of course what

244

00:10:46,410 --> 00:10:45,069

you're seeing when you have this

245

00:10:48,030 --> 00:10:46,420

experience is not the truth you're

246

00:10:50,250 --> 00:10:48,040

seeing you know what you remember in

247

00:10:51,990 --> 00:10:50,260

your imagination but the feeling itself

248

00:10:54,329 --> 00:10:52,000

is absolutely real and caused by that

249

00:10:56,250 --> 00:10:54,339

that neural affected oh you've you're

250

00:10:57,960 --> 00:10:56,260

warrior and flying and all that sort of

251
00:10:59,550 --> 00:10:57,970
stuff yeah yeah because what your brain

252
00:11:01,350 --> 00:10:59,560
is doing is trying to get back to normal

253
00:11:03,240 --> 00:11:01,360
it's trying to integrate the information

254
00:11:05,040 --> 00:11:03,250
from your eyes and ears and your

255
00:11:07,139 --> 00:11:05,050
movement of your legs in your arms and

256
00:11:10,590 --> 00:11:07,149
get them all together to make a sensible

257
00:11:12,059 --> 00:11:10,600
body you know self-representation and it

258
00:11:13,829 --> 00:11:12,069
goes wrong so it's struggling all the

259
00:11:15,960 --> 00:11:13,839
time so you're flying and 300 and

260
00:11:17,939 --> 00:11:15,970
whizzing around and kind of trying to

261
00:11:19,470 --> 00:11:17,949
get back together again or else if you

262
00:11:21,660 --> 00:11:19,480
can relax you could just have fun

263
00:11:23,759 --> 00:11:21,670

couldn't enjoy it but the best thing is

264

00:11:25,410 --> 00:11:23,769

to know that it's not astral projection

265

00:11:27,360 --> 00:11:25,420

you know it's not an astral body going

266

00:11:29,010 --> 00:11:27,370

to another plane it's your brain doing

267

00:11:31,050 --> 00:11:29,020

amazingly clever things

268

00:11:33,540 --> 00:11:31,060

do we have an idea what the trigger is

269

00:11:35,880 --> 00:11:33,550

oh it could be lots of things I now know

270

00:11:38,400 --> 00:11:35,890

it's taken me you know all those decades

271

00:11:40,199 --> 00:11:38,410

to find out but it was probably a little

272

00:11:42,420 --> 00:11:40,209

bit economists a lot of sleep

273

00:11:44,610 --> 00:11:42,430

deprivation which specifically affects

274

00:11:46,410 --> 00:11:44,620

that bit of the brain and I've been

275

00:11:48,090 --> 00:11:46,420

having a Ouija board session which kind

276

00:11:49,920 --> 00:11:48,100

of deceiver like holding your arm out

277

00:11:52,110 --> 00:11:49,930

for hours with the glass moving around

278

00:11:54,660 --> 00:11:52,120

you know does make your body feel very

279

00:11:57,000 --> 00:11:54,670

weird so those things can do it but

280

00:11:59,490 --> 00:11:57,010

certain drugs will loosen up the body

281

00:12:01,560 --> 00:11:59,500

schema and injuries to the brain and so

282

00:12:03,449 --> 00:12:01,570

on it's anything which affects that

283

00:12:05,880 --> 00:12:03,459

selphie bit of the brain that bitless

284

00:12:09,600 --> 00:12:05,890

integrating yourself is back if that is

285

00:12:11,550 --> 00:12:09,610

affected then you can get this split so

286

00:12:13,350 --> 00:12:11,560

fascinating I cannot wait to see your

287

00:12:14,940 --> 00:12:13,360

presentation a bit later on thank you

288

00:12:24,650 --> 00:12:14,950

very much they're great to talk to you

289

00:12:31,150 --> 00:12:27,300

[Music]

290

00:12:32,890 --> 00:12:31,160

this is NASA her eyes she a flat earth

291

00:12:35,470 --> 00:12:32,900

but we should lie to everybody about it

292

00:12:38,590 --> 00:12:35,480

and say it's round 10 for maximum fun

293

00:12:41,770 --> 00:12:38,600

brings you the latest podcast an expose

294

00:12:43,720 --> 00:12:41,780

aren't the Flat Earth I want to take

295

00:12:45,490 --> 00:12:43,730

advantage of humankind and make them

296

00:12:47,080 --> 00:12:45,500

believe a lie so that they will trust us

297

00:12:48,850 --> 00:12:47,090

at the government it's all an elaborate

298

00:12:50,680 --> 00:12:48,860

lie and when you get on a plane they

299

00:12:51,280 --> 00:12:50,690

purposefully fly you farther than you

300

00:12:53,620 --> 00:12:51,290

need to go

301
00:12:55,330 --> 00:12:53,630
it's disgusting it needs to be stopped

302
00:12:57,220 --> 00:12:55,340
and if you listen to owner Ross and

303
00:13:03,010 --> 00:12:57,230
Carrie we will tell you the truth behind

304
00:13:04,690 --> 00:13:03,020
the lies we will just tell you the truth

305
00:13:06,940 --> 00:13:04,700
behind the truth because what we do is

306
00:13:08,860 --> 00:13:06,950
we look at extraordinary claims that's

307
00:13:10,960 --> 00:13:08,870
right we've gone undercover with

308
00:13:13,410 --> 00:13:10,970
alternative medical treatments fringe

309
00:13:16,390 --> 00:13:13,420
religious groups fringe science claims

310
00:13:18,130 --> 00:13:16,400
spiritual paranormal were there to check

311
00:13:20,410 --> 00:13:18,140
it out and let you know what happens is

312
00:13:23,470 --> 00:13:20,420
the Queen Mary haunted I don't know find

313
00:13:25,450 --> 00:13:23,480

out we show up we make friends we learn

314

00:13:27,550 --> 00:13:25,460

what happens when you ask questions and

315

00:13:30,130 --> 00:13:27,560

we tell you all about it and we get all

316

00:13:33,800 --> 00:13:30,140

that funky stuff done to us it's oh no

317

00:13:38,120 --> 00:13:33,810

Ross and carry a maximum fund org

318

00:13:42,780 --> 00:13:40,470

now here's a story that comes to us from

319

00:13:45,900 --> 00:13:42,790

the Australian skeptic skeptics calm

320

00:13:50,790 --> 00:13:45,910

today you Australian skeptics campaigns

321

00:13:52,260 --> 00:13:50,800

and investigations have your say by tim

322

00:13:53,620 --> 00:13:52,270

Mendham published on the 1st of October

323

00:13:57,710 --> 00:13:53,630

2018

324

00:14:02,730 --> 00:14:00,389

Australian skeptics Inc is regularly

325

00:14:04,860 --> 00:14:02,740

involved at a range of campaigns and

326

00:14:07,380 --> 00:14:04,870

investigations some of which have been

327

00:14:09,690 --> 00:14:07,390

well publicized like the investigation

328

00:14:12,590 --> 00:14:09,700

into the power band wristband and others

329

00:14:15,240 --> 00:14:12,600

that are ongoing and still under wraps

330

00:14:17,310 --> 00:14:15,250

those are we have a subcommittee

331

00:14:19,319 --> 00:14:17,320

dedicated to special investigations

332

00:14:22,079 --> 00:14:19,329

headed up by noted sceptic Richard

333

00:14:24,210 --> 00:14:22,089

Saunders oh there you go

334

00:14:26,730 --> 00:14:24,220

who has been running investigations into

335

00:14:28,769 --> 00:14:26,740

everything from ghosts and Ghoulies the

336

00:14:31,650 --> 00:14:28,779

quack medical treatments for some time

337

00:14:35,100 --> 00:14:31,660

now sure I have we also have ad hoc

338

00:14:37,350 --> 00:14:35,110

committees devoted to specific campaigns

339

00:14:40,410 --> 00:14:37,360

positive ones such as our recent

340

00:14:42,680 --> 00:14:40,420

vaccination and blood donor drives and

341

00:14:45,120 --> 00:14:42,690

more critical ones that proactively

342

00:14:47,550 --> 00:14:45,130

respond to the promotion of Wuan

343

00:14:50,100 --> 00:14:47,560

pseudoscience such as events put on by

344

00:14:53,069 --> 00:14:50,110

the anti vaccination proponents than

345

00:14:56,009 --> 00:14:53,079

those pushing unproven and disproven

346

00:14:57,960 --> 00:14:56,019

alternative medical practices in many

347

00:14:59,819 --> 00:14:57,970

cases we act in concert with other

348

00:15:02,340 --> 00:14:59,829

groups and individuals who are running

349

00:15:05,540 --> 00:15:02,350

their own programs whether in Australia

350

00:15:08,550 --> 00:15:05,550

or overseas we always welcome

351
00:15:10,769 --> 00:15:08,560
suggestions for new action items whether

352
00:15:13,769 --> 00:15:10,779
a person or organization that needs

353
00:15:15,090 --> 00:15:13,779
looking into or one that needs bringing

354
00:15:18,360 --> 00:15:15,100
to the attention of authorities the

355
00:15:21,030 --> 00:15:18,370
media and the public this is your chance

356
00:15:23,759 --> 00:15:21,040
to get involved feel free to contact us

357
00:15:26,490 --> 00:15:23,769
with your tips and suggestions you might

358
00:15:28,560 --> 00:15:26,500
also like to add your own active

359
00:15:31,699 --> 00:15:28,570
contribution and play a part in the

360
00:15:34,139 --> 00:15:31,709
campaign and/or investigation itself

361
00:15:36,780 --> 00:15:34,149
we'll be setting up a dedicated online

362
00:15:38,460 --> 00:15:36,790
page for this but in the meantime you

363
00:15:43,420 --> 00:15:38,470

can make your voice heard by writing to

364

00:15:47,549 --> 00:15:43,430

us at editor at skeptics comm dot a you

365

00:15:52,960 --> 00:15:50,439

so if you were want to have your say

366

00:15:55,449 --> 00:15:52,970

about being more involved in

367

00:15:57,220 --> 00:15:55,459

investigations I'll link to that page on

368

00:16:19,150 --> 00:15:57,230

this week's show nut

369

00:16:23,270 --> 00:16:19,160

[Music]

370

00:16:26,300 --> 00:16:23,280

dr. Harriet Hall MD no into thousands as

371

00:16:29,420 --> 00:16:26,310

the skeptic a retired family physician

372

00:16:31,460 --> 00:16:29,430

and former Air Force flight surgeon she

373

00:16:33,160 --> 00:16:31,470

writes about medicine so-called

374

00:16:34,460 --> 00:16:33,170

complementary and alternative medicine

375

00:16:38,240 --> 00:16:34,470

science

376

00:16:40,880 --> 00:16:38,250

pastry and critical thinking Harriet now

377

00:16:43,310 --> 00:16:40,890

has a free course a series of 10 video

378

00:16:46,610 --> 00:16:43,320

lectures on science-based medicine and

379

00:16:48,740 --> 00:16:46,620

alternative medicine the videos and an

380

00:16:51,740 --> 00:16:48,750

accompanying course guide can be found

381

00:16:56,350 --> 00:16:51,750

by following the link at skip doc info

382

00:17:01,640 --> 00:16:56,360

or by visiting web Randi's org slash

383

00:17:04,070 --> 00:17:01,650

educational - modules dot html' topics

384

00:17:06,620 --> 00:17:04,080

covered in the series are science-based

385

00:17:10,430 --> 00:17:06,630

medicine versus evidence-based medicine

386

00:17:13,640 --> 00:17:10,440

what is Kam chiropractic acupuncture

387

00:17:16,430 --> 00:17:13,650

homeopathy naturopathy and herbal

388

00:17:19,130 --> 00:17:16,440

medicine energy medicine miscellaneous

389

00:17:22,130 --> 00:17:19,140

alternatives pitfalls in research and

390

00:17:25,880 --> 00:17:22,140

science based medicine in the media and

391

00:17:28,460 --> 00:17:25,890

politics Harriette covers each topic in

392

00:17:31,730 --> 00:17:28,470

a matter-of-fact no-nonsense way that

393

00:17:33,830 --> 00:17:31,740

sure to educate and entertain skeptic

394

00:17:45,300 --> 00:17:33,840

dot info

395

00:17:53,640 --> 00:17:50,320

years may not spooky action at a

396

00:17:57,310 --> 00:17:55,810

well a lot of excitement a lot of things

397

00:17:59,260 --> 00:17:57,320

going on here it's still early in the

398

00:18:01,210 --> 00:17:59,270

conference of course there's been no

399

00:18:03,040 --> 00:18:01,220

major anger none of that's actually gone

400

00:18:04,450 --> 00:18:03,050

on yet but it could happen and someone

401
00:18:08,140 --> 00:18:04,460
who's scouting out the situation today

402
00:18:10,600 --> 00:18:08,150
is the scythe or hazard how you say your

403
00:18:12,670 --> 00:18:10,610
surname is fetch Dion trimmer we were

404
00:18:14,290 --> 00:18:12,680
close it's Yvette don't from all and and

405
00:18:15,370 --> 00:18:14,300
correct pronunciation on the side way

406
00:18:17,320 --> 00:18:15,380
but I don't think that was our concern

407
00:18:18,850 --> 00:18:17,330
and thank you for having me here at at

408
00:18:20,650 --> 00:18:18,860
Australian skeptics funk it's very

409
00:18:23,380 --> 00:18:20,660
exciting when do you lie he lost

410
00:18:25,660 --> 00:18:23,390
I was I was last in Australia about two

411
00:18:27,550 --> 00:18:25,670
years ago for four National Science Week

412
00:18:28,960 --> 00:18:27,560
and I had such a wonderful time I didn't

413
00:18:31,090 --> 00:18:28,970

get to Sydney last time though is mainly

414

00:18:32,440 --> 00:18:31,100

in Melbourne and I missed the coffee

415

00:18:34,750 --> 00:18:32,450

here so much

416

00:18:36,610 --> 00:18:34,760

yeah that's something we can I'm not

417

00:18:39,130 --> 00:18:36,620

really caught I have bad coffee in the

418

00:18:40,870 --> 00:18:39,140

morning that's I know I know I just try

419

00:18:42,940 --> 00:18:40,880

that in the way I go and what's so great

420

00:18:45,190 --> 00:18:42,950

about it here it's it's just well

421

00:18:46,720 --> 00:18:45,200

Starbucks over roast there being so much

422

00:18:49,030 --> 00:18:46,730

and we're used to burnt coffee and when

423

00:18:50,830 --> 00:18:49,040

you over roast you get rid of all those

424

00:18:52,270 --> 00:18:50,840

wonderful subtle notes and all you get

425

00:18:54,280 --> 00:18:52,280

is really this burnt flavor and it's

426

00:18:56,410 --> 00:18:54,290

kind of a bit of an acrylamide flavor

427

00:18:58,750 --> 00:18:56,420

which that's a carcinogen people your

428

00:19:00,430 --> 00:18:58,760

coffee has a carcinogen in it how did

429

00:19:02,500 --> 00:19:00,440

they get into the habit of doing that in

430

00:19:04,240 --> 00:19:02,510

the first place Jim Lee in America I I'm

431

00:19:06,190 --> 00:19:04,250

not sure I don't know who struck first

432

00:19:07,720 --> 00:19:06,200

but they blocked out the Sun but they

433

00:19:09,880 --> 00:19:07,730

you know it started with people thinking

434

00:19:12,280 --> 00:19:09,890

that you know dark roast was a stronger

435

00:19:13,990 --> 00:19:12,290

or or you know more because people want

436

00:19:15,250 --> 00:19:14,000

their caffeine in the morning and I

437

00:19:17,170 --> 00:19:15,260

think there was this general thought

438

00:19:20,290 --> 00:19:17,180

that the darker the roast this was a

439

00:19:22,360 --> 00:19:20,300

stronger hit in the morning and really

440

00:19:24,730 --> 00:19:22,370

the more you roast it the more you kill

441

00:19:26,320 --> 00:19:24,740

that caffeine as well so a lighter roast

442

00:19:28,930 --> 00:19:26,330

gives you all of this wonderful subtle

443

00:19:30,700 --> 00:19:28,940

subtle flavors and because where we are

444

00:19:32,350 --> 00:19:30,710

those hipsters my husband has actually

445

00:19:34,300 --> 00:19:32,360

started roasting our own beans and the

446

00:19:35,770 --> 00:19:34,310

support it takes you know it's next to

447

00:19:37,990 --> 00:19:35,780

penny-farthing bicycle in the pith

448

00:19:40,030 --> 00:19:38,000

helmet it's you know if I'm just saying

449

00:19:42,630 --> 00:19:40,040

if he starts if he starts wearing the

450

00:19:45,100 --> 00:19:42,640

the cat well he already has a beard and

451
00:19:46,510 --> 00:19:45,110
it's you know we're we're kind of

452
00:19:49,090 --> 00:19:46,520
self-admitted hipsters but it's really

453
00:19:50,890 --> 00:19:49,100
just the coffee it's it I like to say

454
00:19:52,600 --> 00:19:50,900
it's just the coffee have you ever been

455
00:19:53,860 --> 00:19:52,610
in a conference giving a talk where what

456
00:19:56,080 --> 00:19:53,870
I just mentioned earlier happens where

457
00:19:57,370 --> 00:19:56,090
someone gets up and go I wrote a PhD on

458
00:19:59,770 --> 00:19:57,380
what you're talking about and lady

459
00:20:02,080 --> 00:19:59,780
you're wrong anything it's I've never

460
00:20:03,670 --> 00:20:02,090
had someone get up and say I have a PhD

461
00:20:04,669 --> 00:20:03,680
in the subject and you're wrong but I've

462
00:20:06,499 --> 00:20:04,679
definitely had people

463
00:20:08,419 --> 00:20:06,509

yell at me that I'm wrong and it's the

464

00:20:12,169 --> 00:20:08,429

thing that I have people scream the most

465

00:20:14,149 --> 00:20:12,179

angrily about is is GMOs and that's the

466

00:20:16,369 --> 00:20:14,159

one like one day I hope that one just

467

00:20:18,499 --> 00:20:16,379

goes away and that people kind of accept

468

00:20:20,119 --> 00:20:18,509

it but it's everyone at every skeptic

469

00:20:22,909 --> 00:20:20,129

conference I go to knows this wonderful

470

00:20:24,769 --> 00:20:22,919

arthur c clarke quote any any

471

00:20:26,269 --> 00:20:24,779

efficiently advanced technology is

472

00:20:27,649 --> 00:20:26,279

indistinguishable from magic

473

00:20:29,840 --> 00:20:27,659

and i think that's kind of what's

474

00:20:32,269 --> 00:20:29,850

happening with GMOs because we're

475

00:20:33,950 --> 00:20:32,279

willing to accept new technology when

476

00:20:35,389 --> 00:20:33,960

it's in our phone when it's in the palm

477

00:20:37,460 --> 00:20:35,399

of our hand so that we can send that

478

00:20:38,840 --> 00:20:37,470

angry tweet saying GMOs are the devil

479

00:20:41,029 --> 00:20:38,850

but we don't want to accept the new

480

00:20:42,680 --> 00:20:41,039

technology even though it's much older

481

00:20:45,350 --> 00:20:42,690

than our iPhone when it's in the form of

482

00:20:47,930 --> 00:20:45,360

GMOs it's it's scary it's sound scary

483

00:20:50,119 --> 00:20:47,940

and it's very easy to make sound scarier

484

00:20:51,529 --> 00:20:50,129

on the internet so I hope people will

485

00:20:53,810 --> 00:20:51,539

look into what the scientists who

486

00:20:56,119 --> 00:20:53,820

actually study this for a living or

487

00:20:58,249 --> 00:20:56,129

saying about it because it is so less

488

00:21:00,320 --> 00:20:58,259

scarier and I fell for this one at one

489

00:21:02,539 --> 00:21:00,330

point in time too so I'm a convert from

490

00:21:04,159 --> 00:21:02,549

being afraid of GMOs I hope people will

491

00:21:06,049 --> 00:21:04,169

look into what the researchers say about

492

00:21:08,720 --> 00:21:06,059

this the actual researchers who work on

493

00:21:10,700 --> 00:21:08,730

this from listening to people at it and

494

00:21:13,340 --> 00:21:10,710

also a bit true in the vaccine community

495

00:21:15,080 --> 00:21:13,350

an T vaccine is that it's yeah they just

496

00:21:17,330 --> 00:21:15,090

trust the science but it made sense with

497

00:21:19,789 --> 00:21:17,340

the application of the capitalism to

498

00:21:22,009 --> 00:21:19,799

that science so the GMO is kind of a bit

499

00:21:23,869 --> 00:21:22,019

of a worry but then you link Monsanto

500

00:21:25,070 --> 00:21:23,879

with that and same with the thing all

501
00:21:26,810 --> 00:21:25,080
they're selling their vaccinations to

502
00:21:28,639 --> 00:21:26,820
make money so it seems to be the

503
00:21:30,859 --> 00:21:28,649
business application seems to be as much

504
00:21:32,509 --> 00:21:30,869
a worry it's oh and I totally understand

505
00:21:33,830 --> 00:21:32,519
that because you know once upon a time

506
00:21:36,529 --> 00:21:33,840
in Monsanto at this point has been

507
00:21:38,269 --> 00:21:36,539
bought by BAE or another another company

508
00:21:39,649 --> 00:21:38,279
that's in this field but no serious big

509
00:21:41,029 --> 00:21:39,659
German chemical company what could go

510
00:21:42,169 --> 00:21:41,039
wrong oh yeah that's not there's never

511
00:21:43,399 --> 00:21:42,179
been a problem there but I mean I

512
00:21:45,980 --> 00:21:43,409
understand why people might have that

513
00:21:47,690 --> 00:21:45,990

concern Monsanto in the last about 30

514

00:21:49,669 --> 00:21:47,700

years really did change from the company

515

00:21:51,440 --> 00:21:49,679

that they were once upon a time they

516

00:21:53,389 --> 00:21:51,450

moved away from being just purely a

517

00:21:54,560 --> 00:21:53,399

chemical company more into it and more

518

00:21:55,999 --> 00:21:54,570

into the seed business and there's

519

00:21:57,950 --> 00:21:56,009

always that rumor that oh they control

520

00:22:00,440 --> 00:21:57,960

the global seed supply they only had

521

00:22:02,090 --> 00:22:00,450

about five percent of the global seed

522

00:22:04,580 --> 00:22:02,100

supply it really is much more

523

00:22:06,470 --> 00:22:04,590

diversified than people believe and I

524

00:22:08,810 --> 00:22:06,480

know that people are worried about you

525

00:22:10,909 --> 00:22:08,820

know it all being a money grab this is

526
00:22:14,770 --> 00:22:10,919
something kind of interesting companies

527
00:22:17,560 --> 00:22:14,780
that make genetically modified seeds

528
00:22:19,750 --> 00:22:17,570
or sorry companies that make pesticides

529
00:22:22,000 --> 00:22:19,760
in some countries abroad are kind of

530
00:22:23,770 --> 00:22:22,010
pushing back against GMO companies

531
00:22:26,470 --> 00:22:23,780
because GMOs reduce the use of

532
00:22:29,050 --> 00:22:26,480
pesticides meta analyses have shown that

533
00:22:31,990 --> 00:22:29,060
GMOs reduce the use of pesticides on

534
00:22:34,270 --> 00:22:32,000
average by about 37 percent so there's

535
00:22:35,560 --> 00:22:34,280
you know pesticide companies that you

536
00:22:36,850 --> 00:22:35,570
know companies that don't produce seeds

537
00:22:39,070 --> 00:22:36,860
at all that they're hold bread and

538
00:22:41,770 --> 00:22:39,080

butter is the pesticides there they're

539

00:22:43,150 --> 00:22:41,780

gonna hurt from these GMOs and that I am

540

00:22:45,460 --> 00:22:43,160

okay with that you know the fewer

541

00:22:47,980 --> 00:22:45,470

chemicals and less dangerous chemicals

542

00:22:50,170 --> 00:22:47,990

we can use the better so I think we need

543

00:22:52,060 --> 00:22:50,180

to like you know there's there's money

544

00:22:54,040 --> 00:22:52,070

to be made from selling use but there's

545

00:22:56,680 --> 00:22:54,050

money to be made from selling a lot of

546

00:22:57,760 --> 00:22:56,690

seeds is the terminal seeds still a

547

00:22:59,290 --> 00:22:57,770

thing to where they don't germinate

548

00:23:00,310 --> 00:22:59,300

again you can only use them once the

549

00:23:02,560 --> 00:23:00,320

people seem to be lied about that too

550

00:23:03,610 --> 00:23:02,570

and that is an understandable concern I

551
00:23:05,980 --> 00:23:03,620
know it sounds scary we've engineered

552
00:23:07,690 --> 00:23:05,990
this to end but the the practice of

553
00:23:09,850 --> 00:23:07,700
saving seed number one farmers can still

554
00:23:12,970 --> 00:23:09,860
do that with other seed and number two

555
00:23:15,190 --> 00:23:12,980
it really is up to the company to decide

556
00:23:17,770 --> 00:23:15,200
how will they do this now to having the

557
00:23:19,420 --> 00:23:17,780
seed terminate and I'm not I want to

558
00:23:21,340 --> 00:23:19,430
double check on the technology so please

559
00:23:24,010 --> 00:23:21,350
whoever's out there listening to this

560
00:23:26,350 --> 00:23:24,020
please fact-check me on this but even

561
00:23:28,930 --> 00:23:26,360
with it being terminated of technology

562
00:23:30,280 --> 00:23:28,940
and having it so that they can't so that

563
00:23:32,740 --> 00:23:30,290

the farmers who buy it can't save the

564

00:23:35,140 --> 00:23:32,750

seed that's pretty standard because most

565

00:23:37,150 --> 00:23:35,150

farmers at this point if they want to

566

00:23:39,250 --> 00:23:37,160

save seed they're not buying from a

567

00:23:42,400 --> 00:23:39,260

large seed company like Monsanto it get

568

00:23:44,170 --> 00:23:42,410

it is a much the return on investment

569

00:23:47,530 --> 00:23:44,180

for them to just buy the seed and not

570

00:23:49,150 --> 00:23:47,540

save it is is a pretty good ROI given

571

00:23:52,030 --> 00:23:49,160

the performance of these types of seeds

572

00:23:54,910 --> 00:23:52,040

and whatnot so it's the Terminator G and

573

00:23:57,070 --> 00:23:54,920

it doesn't really it doesn't really do

574

00:23:58,390 --> 00:23:57,080

anything in terms of health to us long

575

00:24:00,820 --> 00:23:58,400

term it's not like you you know you eat

576

00:24:02,320 --> 00:24:00,830

the soybean that's not gonna that's not

577

00:24:03,940 --> 00:24:02,330

going to germinate again and you're not

578

00:24:05,430 --> 00:24:03,950

gonna jerk it doesn't do it I think I

579

00:24:08,530 --> 00:24:05,440

think and anything that's the concern

580

00:24:10,570 --> 00:24:08,540

but you know it's just it's it's just a

581

00:24:12,130 --> 00:24:10,580

plant and it's not the what happens to

582

00:24:13,990 --> 00:24:12,140

that little bit of its genetics it's not

583

00:24:16,180 --> 00:24:14,000

indicative of what's gonna happen to you

584

00:24:18,070 --> 00:24:16,190

when you eat it well that's the the wide

585

00:24:20,170 --> 00:24:18,080

picture with Monsanto or sang like that

586

00:24:21,220 --> 00:24:20,180

on the small picture retail is very

587

00:24:22,450 --> 00:24:21,230

suffering all over the world

588

00:24:24,310 --> 00:24:22,460

particularly here in Australia I'm sure

589

00:24:25,720 --> 00:24:24,320

retails a tough gig in the u.s. to

590

00:24:27,220 --> 00:24:25,730

there's probably two things you can

591

00:24:29,470 --> 00:24:27,230

really sell a well now and that is

592

00:24:30,669 --> 00:24:29,480

baby stuff or pet stuff is there those

593

00:24:32,799 --> 00:24:30,679

the things that people love and they'll

594

00:24:34,930 --> 00:24:32,809

buy lots of things for them is it woo in

595

00:24:36,190 --> 00:24:34,940

that area that tends to pop up more than

596

00:24:37,720 --> 00:24:36,200

anywhere else particular pets because

597

00:24:40,419 --> 00:24:37,730

they can't tell you this isn't working

598

00:24:42,610 --> 00:24:40,429

oh yes and I've seen homeopathic cures

599

00:24:45,190 --> 00:24:42,620

for our homeopathic remedies for pet

600

00:24:46,960 --> 00:24:45,200

things and a couple years ago from from

601
00:24:48,430 --> 00:24:46,970
doing a demonstration with it I actually

602
00:24:50,889 --> 00:24:48,440
managed to get one of the homeopathic

603
00:24:53,560 --> 00:24:50,899
pet remedies pulled from the market and

604
00:24:56,080 --> 00:24:53,570
it was a stuff called good dog and good

605
00:24:58,299 --> 00:24:56,090
dog claimed it was a homeopathic pet

606
00:25:00,009 --> 00:24:58,309
remedy and it said in the list now the

607
00:25:01,629 --> 00:25:00,019
way that homeopathic remedies are

608
00:25:03,070 --> 00:25:01,639
labeled is a little different than

609
00:25:05,980 --> 00:25:03,080
everything else when you look at a label

610
00:25:09,190 --> 00:25:05,990
on the paracetamol and the ibuprofen it

611
00:25:10,509 --> 00:25:09,200
says how many milligrams or grams of the

612
00:25:12,399 --> 00:25:10,519
active ingredient are in it when you

613
00:25:14,409 --> 00:25:12,409

look at a label on a product that has

614

00:25:17,110 --> 00:25:14,419

homeopathy is probably most listeners

615

00:25:20,230 --> 00:25:17,120

know it shows it by dilution and it has

616

00:25:22,289 --> 00:25:20,240

the list the ingredients listed in Latin

617

00:25:25,269 --> 00:25:22,299

now unless you are a dilution

618

00:25:28,090 --> 00:25:25,279

homeopathic mixer person and you also

619

00:25:31,480 --> 00:25:28,100

happen to speak Latin like who knows

620

00:25:33,490 --> 00:25:31,490

what 6x natrum muriaticum means it

621

00:25:38,019 --> 00:25:33,500

happen I believe it means you've diluted

622

00:25:40,060 --> 00:25:38,029

salt a solution of one one part salt in

623

00:25:42,220 --> 00:25:40,070

100 parts water I could be mixing up the

624

00:25:45,039 --> 00:25:42,230

things on that six times over so it

625

00:25:48,129 --> 00:25:45,049

Natura muriaticum sounds fancy it's salt

626

00:25:50,500 --> 00:25:48,139

its salt our Seneca mal is arsenic they

627

00:25:52,629 --> 00:25:50,510

have arsenic and belladonna and all of

628

00:25:54,580 --> 00:25:52,639

these as ingredients just in most cases

629

00:25:56,139 --> 00:25:54,590

diluted to the point where there's

630

00:25:59,320 --> 00:25:56,149

nothing left now back to the good dog

631

00:26:01,120 --> 00:25:59,330

you know it woof oh yes good dog

632

00:26:03,490 --> 00:26:01,130

so it's said that it had all of these as

633

00:26:06,279 --> 00:26:03,500

active ingredients and then in the

634

00:26:09,340 --> 00:26:06,289

inactive ingredients it had 13 percent

635

00:26:11,740 --> 00:26:09,350

alcohol that was this alcohol ACCA's

636

00:26:16,389 --> 00:26:11,750

wine so I made a little video of me

637

00:26:18,250 --> 00:26:16,399

getting drunk on this remedy what's 13

638

00:26:20,799 --> 00:26:18,260

percent alcohol that that would be an

639

00:26:22,870 --> 00:26:20,809

Evoque - oh now I'd be 120 now 20

640

00:26:24,940 --> 00:26:22,880

percent is and I've found I've also

641

00:26:26,769 --> 00:26:24,950

found a poem he experimented deeply and

642

00:26:28,659 --> 00:26:26,779

long into the night about this and I'm

643

00:26:30,100 --> 00:26:28,669

not a drinker so it I know it takes very

644

00:26:31,810 --> 00:26:30,110

little to get me drunk but I got a tiny

645

00:26:34,149 --> 00:26:31,820

little breathalyzer and showed here I am

646

00:26:35,799 --> 00:26:34,159

getting wasted on Dogma and but here's

647

00:26:37,899 --> 00:26:35,809

the thing dogs don't process alcohol

648

00:26:38,990 --> 00:26:37,909

well they really can't it's bad for

649

00:26:40,820 --> 00:26:39,000

their livers

650

00:26:42,800 --> 00:26:40,830

Sugar's are bad for them so now there

651
00:26:44,360 --> 00:26:42,810
are and I mean alcohol it is they cannot

652
00:26:45,800 --> 00:26:44,370
process it and I mean you know they

653
00:26:47,630 --> 00:26:45,810
could probably have a cap full of a

654
00:26:49,670 --> 00:26:47,640
stuff and be fine but there were people

655
00:26:52,430 --> 00:26:49,680
I looked on one of the websites of one

656
00:26:53,960 --> 00:26:52,440
of the pet stores that that sold it in

657
00:26:55,910 --> 00:26:53,970
the US and there were people saying you

658
00:26:57,200 --> 00:26:55,920
know this is great my dog is doing great

659
00:27:00,050 --> 00:26:57,210
on this I can't I have to buy two

660
00:27:02,480 --> 00:27:00,060
bottles a week I'm like your how is your

661
00:27:05,660 --> 00:27:02,490
dog man I hope your dogs big my god but

662
00:27:07,340 --> 00:27:05,670
they ended up pulling it after the video

663
00:27:09,620 --> 00:27:07,350

and after some outcry from a small

664

00:27:12,140 --> 00:27:09,630

petition but it's like you know just

665

00:27:13,640 --> 00:27:12,150

because something is natural or says you

666

00:27:14,840 --> 00:27:13,650

know works you know just because

667

00:27:16,550 --> 00:27:14,850

something says it works naturally

668

00:27:18,740 --> 00:27:16,560

doesn't mean it's good for your animal

669

00:27:20,600 --> 00:27:18,750

or for your baby like I'm sorry you know

670

00:27:22,850 --> 00:27:20,610

polio is natural this is not good for

671

00:27:24,560 --> 00:27:22,860

your child like please you know talk to

672

00:27:26,450 --> 00:27:24,570

your talk to your doctor talk to your

673

00:27:28,400 --> 00:27:26,460

veterinarian your pediatrician before

674

00:27:30,830 --> 00:27:28,410

you just look at a label and go oh it's

675

00:27:32,330 --> 00:27:30,840

natural because you know you your health

676

00:27:34,790 --> 00:27:32,340

your animals health your child's health

677

00:27:36,980 --> 00:27:34,800

they're they're worth it I mean I'm I'm

678

00:27:38,450 --> 00:27:36,990

a chemist who kind of knows how to read

679

00:27:40,370 --> 00:27:38,460

labels pretty well but I go to my doctor

680

00:27:42,140 --> 00:27:40,380

and to my registered dietician and to

681

00:27:44,420 --> 00:27:42,150

all of these experts who know more than

682

00:27:45,590 --> 00:27:44,430

me what I want to make sure I'm doing

683

00:27:48,110 --> 00:27:45,600

something right for my health so I urge

684

00:27:50,270 --> 00:27:48,120

you please do this do the same talk to

685

00:27:52,610 --> 00:27:50,280

an expert and what would you agree in I

686

00:27:53,840 --> 00:27:52,620

have my bachelor's in chemistry I also

687

00:27:55,220 --> 00:27:53,850

have a bachelor's in theatre you know

688

00:27:56,930 --> 00:27:55,230

the chemistry was because I wanted a

689

00:27:59,270 --> 00:27:56,940

career theater was because daddy didn't

690

00:28:01,640 --> 00:27:59,280

hug me enough it's it could be worse he

691

00:28:03,440 --> 00:28:01,650

could have hugged me too much and then I

692

00:28:05,180 --> 00:28:03,450

have a master's in forensics and by the

693

00:28:06,680 --> 00:28:05,190

way if those jokes made you sad I'm so

694

00:28:10,310 --> 00:28:06,690

it's my life I'm coping with it how I

695

00:28:14,930 --> 00:28:10,320

can combination the theatre forensics

696

00:28:17,360 --> 00:28:14,940

chemistry gallows humor all the roll

697

00:28:18,920 --> 00:28:17,370

around you want ch or Los Angeles or

698

00:28:20,690 --> 00:28:18,930

something with that with that resume cuz

699

00:28:24,200 --> 00:28:20,700

I would scream every time they go

700

00:28:26,870 --> 00:28:24,210

enhance enhance like no we don't have an

701

00:28:29,810 --> 00:28:26,880

answer lab they can read someone's

702

00:28:32,120 --> 00:28:29,820

reflection on a bolt on an aircraft yeah

703

00:28:34,850 --> 00:28:32,130

oh yeah it's a we can that's totally how

704

00:28:36,980 --> 00:28:34,860

it know I had one of the craziest things

705

00:28:38,540 --> 00:28:36,990

from X after I'd have my degree and had

706

00:28:41,510 --> 00:28:38,550

worked in the field a little bit I had a

707

00:28:43,280 --> 00:28:41,520

roommate who said to me and she she

708

00:28:46,070 --> 00:28:43,290

worked in I think she was a junior high

709

00:28:47,330 --> 00:28:46,080

history teacher and no offense to junior

710

00:28:48,590 --> 00:28:47,340

high Oh story teachers but I'm just

711

00:28:50,930 --> 00:28:48,600

saying I might know a little bit more

712

00:28:51,840 --> 00:28:50,940

about forensics this she does she's like

713

00:28:54,330 --> 00:28:51,850

you know I

714

00:28:56,610 --> 00:28:54,340

a friend who works in Los Angeles and

715

00:28:58,620 --> 00:28:56,620

she says that they have people who were

716

00:29:00,360 --> 00:28:58,630

who have degrees in this who really

717

00:29:01,919 --> 00:29:00,370

consult on these shows I'm like and I

718

00:29:03,390 --> 00:29:01,929

have a master this is in this and I'm

719

00:29:04,919 --> 00:29:03,400

telling you they just contaminated the

720

00:29:06,150 --> 00:29:04,929

crime scene okay

721

00:29:08,310 --> 00:29:06,160

they come in they walk around they

722

00:29:09,930 --> 00:29:08,320

aren't wearing the little booties like

723

00:29:12,360 --> 00:29:09,940

that yeah all that so stuff going on

724

00:29:13,799 --> 00:29:12,370

it's I mean there there is really some

725

00:29:15,630 --> 00:29:13,809

atrocious stuff that happens on the show

726

00:29:17,400 --> 00:29:15,640

so if you watch these shows and think oh

727

00:29:19,440 --> 00:29:17,410

yeah I could handle a crime scene

728

00:29:20,760 --> 00:29:19,450

no you couldn't like there's it was like

729

00:29:22,230 --> 00:29:20,770

it when they pick the gun up with the

730

00:29:24,180 --> 00:29:22,240

pencil and they don't check to see if

731

00:29:26,370 --> 00:29:24,190

the safety zone because the pencil could

732

00:29:28,169 --> 00:29:26,380

buy the gun there's there's so much

733

00:29:30,270 --> 00:29:28,179

there's just so much bad that happens

734

00:29:31,230 --> 00:29:30,280

there and there are a couple of there

735

00:29:33,060 --> 00:29:31,240

are a couple things that we have to

736

00:29:34,799 --> 00:29:33,070

remember in that are some guiding

737

00:29:37,590 --> 00:29:34,809

principles in forensics and number one

738

00:29:40,110 --> 00:29:37,600

is la cartes principle and that's every

739

00:29:42,510 --> 00:29:40,120

contact leaves a trace when you see

740

00:29:45,270 --> 00:29:42,520

anyone picking up an artifact or picking

741

00:29:47,070 --> 00:29:45,280

up something in a crime scene they're

742

00:29:48,630 --> 00:29:47,080

they're leaving a contact on it they

743

00:29:49,919 --> 00:29:48,640

might be leaving oils from their skin

744

00:29:51,630 --> 00:29:49,929

they might leave believing whatever they

745

00:29:54,270 --> 00:29:51,640

touch that day so when you have a murder

746

00:29:55,680 --> 00:29:54,280

scene when you have a serious crime

747

00:29:57,149 --> 00:29:55,690

scene like the type that they would be

748

00:29:58,980 --> 00:29:57,159

dealing with on these shows like because

749

00:30:00,210 --> 00:29:58,990

they're not they're not investigating a

750

00:30:02,789 --> 00:30:00,220

tiny little fender better they're

751
00:30:05,130 --> 00:30:02,799
investigating the big ones there would

752
00:30:07,620 --> 00:30:05,140
be people in full hat like in in full

753
00:30:09,480 --> 00:30:07,630
Tyvek suits for the initial

754
00:30:11,220 --> 00:30:09,490
investigation at least in in you know

755
00:30:12,659 --> 00:30:11,230
like I did my Master's training in

756
00:30:15,360 --> 00:30:12,669
England and that was how they handle

757
00:30:16,680 --> 00:30:15,370
them they're they have little racks that

758
00:30:18,120 --> 00:30:16,690
they kind of put over the floor so that

759
00:30:20,310 --> 00:30:18,130
your footprints aren't even

760
00:30:22,740 --> 00:30:20,320
contaminating the scene so they are not

761
00:30:26,310 --> 00:30:22,750
rustling anything that it's so cautious

762
00:30:28,200 --> 00:30:26,320
not to move a single hair or fiber out

763
00:30:31,140 --> 00:30:28,210

of place because within about four hours

764

00:30:33,779 --> 00:30:31,150

all the trace have about 80 90 percent

765

00:30:35,340 --> 00:30:33,789

of the trace evidence is just gone from

766

00:30:37,350 --> 00:30:35,350

the scene so I mean you know the

767

00:30:39,560 --> 00:30:37,360

obviously blood liquids will stay a

768

00:30:42,240 --> 00:30:39,570

little bit more a little bit longer but

769

00:30:44,760 --> 00:30:42,250

anything that is in trace that you want

770

00:30:46,980 --> 00:30:44,770

to pick up with with tape lifts that

771

00:30:49,980 --> 00:30:46,990

goes away quickly you have to work very

772

00:30:51,180 --> 00:30:49,990

quickly very cautiously and my god get

773

00:30:52,860 --> 00:30:51,190

your hair out of your face

774

00:30:56,010 --> 00:30:52,870

put a gloves on like whenever I see

775

00:30:57,180 --> 00:30:56,020

these I know that there's a hair but you

776

00:30:59,549 --> 00:30:57,190

know there's a hair and makeup artist

777

00:31:01,980 --> 00:30:59,559

that they did a wonderful job getting

778

00:31:04,080 --> 00:31:01,990

that hair looking beautiful and you know

779

00:31:05,400 --> 00:31:04,090

it - all of the hair people working on

780

00:31:08,190 --> 00:31:05,410

the CSI type shows

781

00:31:10,200 --> 00:31:08,200

you do beautiful work do beautiful work

782

00:31:12,330 --> 00:31:10,210

with ponytails man you can do beautiful

783

00:31:14,730 --> 00:31:12,340

work with ponytails be accurate with

784

00:31:15,750 --> 00:31:14,740

this you can like and I know that we

785

00:31:17,550 --> 00:31:15,760

don't have to have a hundred percent

786

00:31:18,900 --> 00:31:17,560

accurate science in these shows because

787

00:31:20,820 --> 00:31:18,910

you know science is kind of part of a

788

00:31:22,740 --> 00:31:20,830

plot device it gives us tension that's

789

00:31:25,080 --> 00:31:22,750

how it's it's used in those like I don't

790

00:31:27,150 --> 00:31:25,090

go to see the Avengers to learn quantum

791

00:31:29,310 --> 00:31:27,160

physics I go to watch I got to watch

792

00:31:31,440 --> 00:31:29,320

Tony Stark beat up a robot spaceship

793

00:31:33,150 --> 00:31:31,450

alien you know and and that's fine but

794

00:31:36,570 --> 00:31:33,160

like the stuff that we can fix the stuff

795

00:31:38,970 --> 00:31:36,580

that doesn't change the flow of a movie

796

00:31:42,000 --> 00:31:38,980

or a TV show and gives us a little bit

797

00:31:43,890 --> 00:31:42,010

more accuracy I think that that's okay

798

00:31:46,380 --> 00:31:43,900

to ask for that little bit more accuracy

799

00:31:48,450 --> 00:31:46,390

in it that's good demand if you like a

800

00:31:49,770 --> 00:31:48,460

bit of a forensic gym I would recommend

801
00:31:51,570 --> 00:31:49,780
a Charlie Brooker of course who did

802
00:31:53,970 --> 00:31:51,580
Black Mirror he produced a touch of

803
00:31:56,820 --> 00:31:53,980
cloth in the UK which is a parody of

804
00:31:59,130 --> 00:31:56,830
every English English long-winded crime

805
00:32:00,750 --> 00:31:59,140
shave ever seen you know an inspector

806
00:32:03,180 --> 00:32:00,760
visit so that sort of thing and he's got

807
00:32:05,370 --> 00:32:03,190
the same people acting it so it'll be it

808
00:32:07,560 --> 00:32:05,380
looks like a regular English slow-moving

809
00:32:08,790 --> 00:32:07,570
crime show like Inspector Morse except

810
00:32:10,260 --> 00:32:08,800
they're making jokes and it's great one

811
00:32:12,780 --> 00:32:10,270
about the forensics like the forensics

812
00:32:14,310 --> 00:32:12,790
woman is incredibly like she's sexually

813
00:32:17,070 --> 00:32:14,320

frustrated and she manages to get that

814

00:32:18,600 --> 00:32:17,080

into every single line until people are

815

00:32:20,370 --> 00:32:18,610

just and they love to have the great

816

00:32:22,440 --> 00:32:20,380

thing also English crime shows you have

817

00:32:24,030 --> 00:32:22,450

the black owner so you have perspex

818

00:32:25,710 --> 00:32:24,040

around the crime scene and he's telling

819

00:32:27,270 --> 00:32:25,720

everybody about it and occasionally the

820

00:32:29,550 --> 00:32:27,280

camera bumps into the perspex that's

821

00:32:30,990 --> 00:32:29,560

there because as Charlie Brooker said

822

00:32:32,730 --> 00:32:31,000

why is there perspex around a crime

823

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

scene so the camera can shoot around it

824

00:32:36,510 --> 00:32:34,840

you would not have a perspex board where

825

00:32:38,100 --> 00:32:36,520

you put the clues up because why would

826

00:32:40,020 --> 00:32:38,110

you want to want the board like that so

827

00:32:41,970 --> 00:32:40,030

yeah it's quite a touch of cloth give it

828

00:32:44,160 --> 00:32:41,980

a look yeah I like to say that I had one

829

00:32:47,070 --> 00:32:44,170

of my professors in grad school he was a

830

00:32:49,680 --> 00:32:47,080

parody of a proper English CSI and his

831

00:32:50,910 --> 00:32:49,690

his name was and I'm gonna I didn't

832

00:32:54,180 --> 00:32:50,920

agenda guile mine he was saying

833

00:32:56,520 --> 00:32:54,190

something I apologize to anyone who to

834

00:32:58,350 --> 00:32:56,530

any of my British brethren out there I'm

835

00:32:59,970 --> 00:32:58,360

about to butcher his accident but really

836

00:33:01,860 --> 00:32:59,980

he talked kind of without moving his

837

00:33:03,840 --> 00:33:01,870

lips all that much who knows it was this

838

00:33:05,730 --> 00:33:03,850

very subdued accident but he didn't he

839

00:33:07,410 --> 00:33:05,740

didn't like the American forensics at

840

00:33:09,090 --> 00:33:07,420

all he thought that from the couple of

841

00:33:10,590 --> 00:33:09,100

cop shows that he'd seen that he

842

00:33:12,180 --> 00:33:10,600

completely understood the type of

843

00:33:13,680 --> 00:33:12,190

forensic scientist I would be and there

844

00:33:15,660 --> 00:33:13,690

was there's one day he was describing

845

00:33:17,970 --> 00:33:15,670

this cop show that kind of showed bad

846

00:33:18,510 --> 00:33:17,980

American forensics and I'm like yeah

847

00:33:20,190 --> 00:33:18,520

if you're

848

00:33:22,020 --> 00:33:20,200

watching cops you're watching idiots

849

00:33:23,700 --> 00:33:22,030

toil with other and I have no idea what

850

00:33:25,500 --> 00:33:23,710

show he was talking about but he salts

851
00:33:27,810 --> 00:33:25,510
describing the show to the class enough

852
00:33:29,610 --> 00:33:27,820
to after saying what it was he like it

853
00:33:31,140 --> 00:33:29,620
was like he turned just I was in only

854
00:33:32,280 --> 00:33:31,150
her that I was one of two Americans in

855
00:33:35,070 --> 00:33:32,290
the class but I was the loudmouth

856
00:33:37,560 --> 00:33:35,080
jackass nothing has changed he he turns

857
00:33:39,600 --> 00:33:37,570
his body to me and then this rants like

858
00:33:42,270 --> 00:33:39,610
he's like under Americans the way they

859
00:33:44,580 --> 00:33:42,280
do forensics is her I'm like my god Dave

860
00:33:46,680 --> 00:33:44,590
I get it but like instead of complaining

861
00:33:48,780 --> 00:33:46,690
about it to me build a better class of

862
00:33:50,310 --> 00:33:48,790
American forensic scientists I'm here

863
00:33:52,020 --> 00:33:50,320

learning from you not to get a lecture

864

00:33:56,580 --> 00:33:52,030

on all the guys who scraping it up

865

00:33:57,600 --> 00:33:56,590

before me we're in the green room now

866

00:33:59,910 --> 00:33:57,610

the Grammy was called that because

867

00:34:01,800 --> 00:33:59,920

actors before like often go on to a play

868

00:34:03,120 --> 00:34:01,810

uh sick and they turn green I think

869

00:34:03,510 --> 00:34:03,130

that's how it happened there Hoover got

870

00:34:05,910 --> 00:34:03,520

here

871

00:34:08,340 --> 00:34:05,920

I'm vom Sharma I'm a GP from Melbourne

872

00:34:10,889 --> 00:34:08,350

and fellow skeptic and that what's your

873

00:34:12,630 --> 00:34:10,899

panel going to be about so the panel is

874

00:34:13,860 --> 00:34:12,640

going to be something's wrong on the

875

00:34:16,200 --> 00:34:13,870

internet it's great to be addressing

876
00:34:18,000 --> 00:34:16,210
misinformation and con misconceptions

877
00:34:19,710 --> 00:34:18,010
perhaps about our health better and

878
00:34:20,850 --> 00:34:19,720
widespread they're just talking dr. Karl

879
00:34:22,200 --> 00:34:20,860
about this you said arguing on the

880
00:34:24,419 --> 00:34:22,210
Internet can be productive but it's

881
00:34:26,940 --> 00:34:24,429
often trolls and do get on there and

882
00:34:29,550 --> 00:34:26,950
argue much yourself or is it really not

883
00:34:30,870 --> 00:34:29,560
of much value I certainly discuss

884
00:34:32,730 --> 00:34:30,880
adequately discuss more than argue

885
00:34:35,159 --> 00:34:32,740
castle but yet the art of spotting the

886
00:34:36,480 --> 00:34:35,169
troll is pretty much half the battle and

887
00:34:37,740 --> 00:34:36,490
it's good as soon as you spot him you

888
00:34:39,750 --> 00:34:37,750

know you're gonna get nowhere and you

889

00:34:41,070 --> 00:34:39,760

can ignore them because 99% of the time

890

00:34:43,260 --> 00:34:41,080

all they really want is the attention

891

00:34:45,300 --> 00:34:43,270

and validation off your replies yeah

892

00:34:46,830 --> 00:34:45,310

because it is usually something kind of

893

00:34:48,480 --> 00:34:46,840

insulting that's meant to like get you

894

00:34:49,409 --> 00:34:48,490

back up and you go are a real person

895

00:34:51,690 --> 00:34:49,419

wouldn't argue with that

896

00:34:54,360 --> 00:34:51,700

exactly and they'd never dare do it to

897

00:34:56,399 --> 00:34:54,370

your face and so it's easy to kind of

898

00:34:57,990 --> 00:34:56,409

pick out the cowards and yeah I mean

899

00:35:00,240 --> 00:34:58,000

I've seen people were very good at kind

900

00:35:02,700 --> 00:35:00,250

of trolling back and we own all their

901
00:35:05,040 --> 00:35:02,710
powers but it's it's quite funny how

902
00:35:06,660 --> 00:35:05,050
just ignoring them get under their skin

903
00:35:09,300 --> 00:35:06,670
and the replies come one after another

904
00:35:11,430 --> 00:35:09,310
note tweets retweets not every like so

905
00:35:13,680 --> 00:35:11,440
and they're disappointed so with what

906
00:35:14,880 --> 00:35:13,690
what doctors don't know you probably

907
00:35:16,650 --> 00:35:14,890
won't get anyone that's gonna go out

908
00:35:18,420 --> 00:35:16,660
well homeopathy has the answer that's

909
00:35:19,650 --> 00:35:18,430
not going to happen here no that's not

910
00:35:22,080 --> 00:35:19,660
gonna happen here presumably that's

911
00:35:23,400 --> 00:35:22,090
right but on the other hand you know I'm

912
00:35:24,990 --> 00:35:23,410
going to be addressing perhaps there is

913
00:35:26,430 --> 00:35:25,000

some skepticism towards the doctors that

914

00:35:28,890 --> 00:35:26,440

maybe is well addressed and more

915

00:35:30,640 --> 00:35:28,900

importantly maybe doctors themselves can

916

00:35:31,990 --> 00:35:30,650

be more skeptical you know to

917

00:35:33,370 --> 00:35:32,000

normal thing in medicine to not have all

918

00:35:34,690 --> 00:35:33,380

the answers so there's still general

919

00:35:36,549 --> 00:35:34,700

principles of skepticism that we can

920

00:35:37,690 --> 00:35:36,559

apply well then I think GPUs are great

921

00:35:39,370 --> 00:35:37,700

because they're at the front line the

922

00:35:41,470 --> 00:35:39,380

coalface of everything that goes on and

923

00:35:42,190 --> 00:35:41,480

also you have to know at once you have

924

00:35:44,890 --> 00:35:42,200

know a little bit about everything

925

00:35:46,690 --> 00:35:44,900

because everything you'll have an STI

926
00:35:48,069 --> 00:35:46,700
then you'll have a psychological problem

927
00:35:49,180 --> 00:35:48,079
to deal with and then you might have a

928
00:35:50,260 --> 00:35:49,190
family thing that's going on the

929
00:35:52,420 --> 00:35:50,270
background you just have to know

930
00:35:54,430 --> 00:35:52,430
everything one after the other that's

931
00:35:56,529 --> 00:35:54,440
right and one of the challenges with

932
00:35:58,120 --> 00:35:56,539
that is in fact one of the null parts of

933
00:35:59,529 --> 00:35:58,130
the job of being a generalist is that

934
00:36:01,599 --> 00:35:59,539
you by definition

935
00:36:03,700 --> 00:36:01,609
don't know many things that's why you're

936
00:36:05,500 --> 00:36:03,710
a generalist and not a specialist so

937
00:36:07,150 --> 00:36:05,510
it's they say it's one of the most

938
00:36:08,950 --> 00:36:07,160

difficult aspects of the job and it

939

00:36:11,079 --> 00:36:08,960

takes a good decade or two is to become

940

00:36:12,579 --> 00:36:11,089

comfortable with sometimes not knowing

941

00:36:14,319 --> 00:36:12,589

and probably the best piece of advice I

942

00:36:15,970 --> 00:36:14,329

was given was your job as GPS not

943

00:36:17,829 --> 00:36:15,980

necessarily to know what the right

944

00:36:20,799 --> 00:36:17,839

answer it's to know what the next right

945

00:36:22,630 --> 00:36:20,809

thing is to do so there's a lot of good

946

00:36:24,220 --> 00:36:22,640

it's difficult finding comfort in the

947

00:36:26,410 --> 00:36:24,230

ignorant spirit but it's important and

948

00:36:28,029 --> 00:36:26,420

how do you do with the time constraints

949

00:36:29,829 --> 00:36:28,039

as well because sometimes you might have

950

00:36:31,569 --> 00:36:29,839

maybe as much as half an hour at

951
00:36:33,279 --> 00:36:31,579
somewhat tops and you've got a sob some

952
00:36:34,599 --> 00:36:33,289
difficult stuff in that time it's so

953
00:36:36,579 --> 00:36:34,609
funny he said half an hour because to me

954
00:36:38,980 --> 00:36:36,589
that's in the ER normally it's like

955
00:36:41,019 --> 00:36:38,990
normally it's 15 minutes but an extended

956
00:36:42,190 --> 00:36:41,029
one which I have had but some days has

957
00:36:43,120 --> 00:36:42,200
been that that's right and I mean

958
00:36:45,309 --> 00:36:43,130
there's some of the most satisfying

959
00:36:46,480 --> 00:36:45,319
consultation some of the longest ones in

960
00:36:49,690 --> 00:36:46,490
fact when I do there's longer

961
00:36:51,460 --> 00:36:49,700
consultations it really reminds me of

962
00:36:52,960 --> 00:36:51,470
what you know what we're losing out of

963
00:36:54,730 --> 00:36:52,970

medicine what patients are losing out on

964

00:36:57,010 --> 00:36:54,740

as well so much kind of rapport

965

00:36:58,450 --> 00:36:57,020

trust-building you know we can build a

966

00:37:01,710 --> 00:36:58,460

common understanding towards things

967

00:37:04,690 --> 00:37:01,720

which is very difficult to do in 15

968

00:37:06,130 --> 00:37:04,700

minutes so it's a constant challenge we

969

00:37:08,799 --> 00:37:06,140

have to put up with and if we can

970

00:37:10,359 --> 00:37:08,809

somehow align the the incentives and

971

00:37:12,760 --> 00:37:10,369

logistics to make those longer

972

00:37:14,140 --> 00:37:12,770

consultations easier I think healthcare

973

00:37:16,120 --> 00:37:14,150

is going to improve dramatically in

974

00:37:17,829 --> 00:37:16,130

certainly people's relationship with

975

00:37:19,930 --> 00:37:17,839

healthcare instead of a very unhealthy

976

00:37:22,359 --> 00:37:19,940

relationship we have as a result of the

977

00:37:24,490 --> 00:37:22,369

modern wellness movement oh yeah and

978

00:37:25,779 --> 00:37:24,500

have you get many people that who want

979

00:37:27,250 --> 00:37:25,789

you to sign something about them not to

980

00:37:29,650 --> 00:37:27,260

get vaccinated does that happen with the

981

00:37:31,450 --> 00:37:29,660

people in your area okay fortunately I

982

00:37:33,160 --> 00:37:31,460

happen to be practicing it was

983

00:37:34,750 --> 00:37:33,170

particularly well educated

984

00:37:36,250 --> 00:37:34,760

area so I'm often dealing with the

985

00:37:38,740 --> 00:37:36,260

opposite end which is people are very

986

00:37:40,000 --> 00:37:38,750

kind of health anxious and have really

987

00:37:42,039 --> 00:37:40,010

looked things up no usually done a

988

00:37:44,380 --> 00:37:42,049

pretty good job of them however when I

989

00:37:45,759 --> 00:37:44,390

have practiced here in other areas I

990

00:37:47,319 --> 00:37:45,769

I've had a couple of parrots who kind of

991

00:37:49,900 --> 00:37:47,329

come up to me and ask me to design

992

00:37:50,650 --> 00:37:49,910

things and it's it's always a tough

993

00:37:52,569 --> 00:37:50,660

consultation

994

00:37:54,039 --> 00:37:52,579

yeah and is there is it mainly they're

995

00:37:55,120 --> 00:37:54,049

suspicious of the science or at some

996

00:37:57,549 --> 00:37:55,130

religious grounds they want the

997

00:37:58,809 --> 00:37:57,559

exemption for I've had a bit of both

998

00:38:01,390 --> 00:37:58,819

actually and when they've been

999

00:38:04,299 --> 00:38:01,400

suspicious of the science and I think in

1000

00:38:05,529 --> 00:38:04,309

there I'm partly sympathetic because at

1001
00:38:07,299 --> 00:38:05,539
the end of the day they want the same

1002
00:38:09,819 --> 00:38:07,309
thing I want and everyone else wants the

1003
00:38:11,140 --> 00:38:09,829
best outcome for their child and so

1004
00:38:13,120 --> 00:38:11,150
there is a common ground there that we

1005
00:38:15,400 --> 00:38:13,130
can kind of start off on and I've

1006
00:38:17,380 --> 00:38:15,410
certainly had patients who come to me

1007
00:38:19,210 --> 00:38:17,390
who said in the past look I've refused

1008
00:38:20,980 --> 00:38:19,220
vaccines for me and my child before now

1009
00:38:22,299 --> 00:38:20,990
I want to get vaccinated so just I think

1010
00:38:24,370 --> 00:38:22,309
goes to show that you know you can't

1011
00:38:26,799 --> 00:38:24,380
make up for lost ground sometimes my

1012
00:38:28,870 --> 00:38:26,809
dad's ninety and he's advice to me these

1013
00:38:30,730 --> 00:38:28,880

two hobbies are going to Aldi and going

1014

00:38:32,200 --> 00:38:30,740

to the GP loves it loves doctors he

1015

00:38:33,609 --> 00:38:32,210

loves doctors because they listen to him

1016

00:38:34,870 --> 00:38:33,619

they're paid listened to and his thing

1017

00:38:36,490 --> 00:38:34,880

you still look he said son when you go

1018

00:38:38,019 --> 00:38:36,500

there you've got to make a list of what

1019

00:38:39,609 --> 00:38:38,029

you're gonna do and follow that list now

1020

00:38:41,200 --> 00:38:39,619

is that a good idea what a GP or does

1021

00:38:43,299 --> 00:38:41,210

that maybe stop you thinking of other

1022

00:38:44,740 --> 00:38:43,309

things that might be useful well in

1023

00:38:46,539 --> 00:38:44,750

terms of a list of problems to discuss

1024

00:38:48,299 --> 00:38:46,549

the regime generally speaking that's

1025

00:38:50,440 --> 00:38:48,309

actually a very good idea however

1026
00:38:51,970 --> 00:38:50,450
usually will happen with the experienced

1027
00:38:53,829 --> 00:38:51,980
GP is at the beginning of the

1028
00:38:56,950 --> 00:38:53,839
consultation they'll help you prioritize

1029
00:38:58,150 --> 00:38:56,960
that list so well yeah I have no more

1030
00:39:00,190 --> 00:38:58,160
than three things where my dad might

1031
00:39:01,509 --> 00:39:00,200
have six you say well yeah a long list

1032
00:39:03,069 --> 00:39:01,519
is always going to be an issue and which

1033
00:39:04,690 --> 00:39:03,079
is probably why he's a bit of a frequent

1034
00:39:06,279 --> 00:39:04,700
flyer which we're happy to see them over

1035
00:39:08,589 --> 00:39:06,289
multiple consultations that's totally

1036
00:39:10,450 --> 00:39:08,599
cool but you know the most important

1037
00:39:11,890 --> 00:39:10,460
things first and sometimes people come

1038
00:39:13,480 --> 00:39:11,900

in complaining of this you know fine

1039

00:39:15,069 --> 00:39:13,490

taste in their mouth oh and by the way

1040

00:39:16,930 --> 00:39:15,079

I've got this little eagle in my chest

1041

00:39:18,849 --> 00:39:16,940

area and sometimes we have to

1042

00:39:21,220 --> 00:39:18,859

reprioritize something I think this

1043

00:39:22,960 --> 00:39:21,230

chest tell me all its that yeah there's

1044

00:39:24,099 --> 00:39:22,970

been a few times I've had to say ma'am I

1045

00:39:25,960 --> 00:39:24,109

think you're gonna have to cancel your

1046

00:39:28,900 --> 00:39:25,970

holiday and say and go to the emergency

1047

00:39:30,130 --> 00:39:28,910

for the weekend yeah it's been tough Wow

1048

00:39:31,480 --> 00:39:30,140

and then as that being one of the most

1049

00:39:33,190 --> 00:39:31,490

difficult times you've had as a GP

1050

00:39:34,630 --> 00:39:33,200

because normally you don't get intensive

1051

00:39:37,059 --> 00:39:34,640

care kind of stuff coming in there but

1052

00:39:39,130 --> 00:39:37,069

occasionally it can coincide with a bad

1053

00:39:41,499 --> 00:39:39,140

episode I found it very challenging when

1054

00:39:43,690 --> 00:39:41,509

I was practicing in in rural areas

1055

00:39:45,220 --> 00:39:43,700

because there you see problems people

1056

00:39:47,470 --> 00:39:45,230

save up their stuff to come in and they

1057

00:39:49,690 --> 00:39:47,480

yeah they do exactly and it's not easy

1058

00:39:51,370 --> 00:39:49,700

to go access a hospital so often they're

1059

00:39:53,499 --> 00:39:51,380

coming to you with urgencies and

1060

00:39:55,749 --> 00:39:53,509

emergencies and you have to manage those

1061

00:39:57,790 --> 00:39:55,759

things so so much of your work as a

1062

00:39:59,140 --> 00:39:57,800

general practitioner so geographical Bay

1063

00:40:00,550 --> 00:39:59,150

and where you are that's going to govern

1064

00:40:02,860 --> 00:40:00,560

the kind of things you see so you need

1065

00:40:04,240 --> 00:40:02,870

to be an expert in those Wow okay look I

1066

00:40:06,070 --> 00:40:04,250

hope you go well out there I hope you

1067

00:40:07,720 --> 00:40:06,080

don't get anyone who happens to be with

1068

00:40:08,980 --> 00:40:07,730

a PhD and something you're talking about

1069

00:40:11,830 --> 00:40:08,990

and standing up and going you're wrong

1070

00:40:14,980 --> 00:40:11,840

sir well I actually I'm very happy to be

1071

00:40:19,450 --> 00:40:14,990

corrected so hopefully it's not as

1072

00:40:20,770 --> 00:40:19,460

violent a reaction is that but always

1073

00:40:22,300 --> 00:40:20,780

happy to be corrected that's that's why

1074

00:40:24,400 --> 00:40:22,310

we're all here right it's a place we can

1075

00:40:26,080 --> 00:40:24,410

find you online yeah so Twitter is a

1076

00:40:28,810 --> 00:40:26,090

good place to catch me so it's at dr. V

1077

00:40:30,760 --> 00:40:28,820

I'm at dr v y om that's where i'm

1078

00:40:32,320 --> 00:40:30,770

posting all my nonsense right thank you

1079

00:40:34,390 --> 00:40:32,330

because i and you win the coolest chair

1080

00:40:35,770 --> 00:40:34,400

prize today man that is good ah thank

1081

00:40:38,440 --> 00:40:35,780

you well simple but effective

1082

00:40:43,440 --> 00:40:38,450

I like ah hey I'm glad you appreciate it

1083

00:40:47,920 --> 00:40:45,430

have I spoken to you cuz you've had your

1084

00:40:50,770 --> 00:40:47,930

time on stage in the panel like what was

1085

00:40:52,840 --> 00:40:50,780

your what doctors no is that your one it

1086

00:40:55,060 --> 00:40:52,850

was someone is wrong on the internet

1087

00:40:56,530 --> 00:40:55,070

okay now we've talked about this about

1088

00:40:58,420 --> 00:40:56,540

the whole troll things that kind of

1089

00:40:59,380 --> 00:40:58,430

stuff how did it go first time on the

1090

00:41:01,390 --> 00:40:59,390

panel there did you get any good

1091

00:41:02,590 --> 00:41:01,400

questions a few people said people

1092

00:41:04,090 --> 00:41:02,600

weren't talking to the Michael on that

1093

00:41:05,410 --> 00:41:04,100

panel but they didn't say who was it

1094

00:41:07,060 --> 00:41:05,420

with occasionally people were turning

1095

00:41:09,370 --> 00:41:07,070

away from the mic that wasn't you was it

1096

00:41:11,650 --> 00:41:09,380

yeah probably no okay I mean experience

1097

00:41:13,030 --> 00:41:11,660

so we're getting people up pointing at

1098

00:41:14,530 --> 00:41:13,040

you and telling you wrong did you get

1099

00:41:16,060 --> 00:41:14,540

any stuff going on like that no cause

1100

00:41:18,250 --> 00:41:16,070

we're amongst friends obviously it has

1101
00:41:20,980 --> 00:41:18,260
acceptance but it was more about other

1102
00:41:24,190 --> 00:41:20,990
people and propagating myths and

1103
00:41:26,080 --> 00:41:24,200
nonsense I always think ignoring trolls

1104
00:41:28,120 --> 00:41:26,090
seems to be great ideas from talking to

1105
00:41:29,590 --> 00:41:28,130
the side babe and stuff in that but you

1106
00:41:30,880 --> 00:41:29,600
would agree with that but picking which

1107
00:41:33,160 --> 00:41:30,890
one's the trolls and which one just

1108
00:41:34,720 --> 00:41:33,170
asking dumb questions can be hardly well

1109
00:41:37,510 --> 00:41:34,730
also the idea is necessarily don't

1110
00:41:39,070 --> 00:41:37,520
confront the troll but that troll might

1111
00:41:41,710 --> 00:41:39,080
have an audience which you'll want to

1112
00:41:43,360 --> 00:41:41,720
address so you don't want to necessarily

1113
00:41:44,650 --> 00:41:43,370

tell them that they're wrong but you

1114

00:41:46,570 --> 00:41:44,660

want to tell anyone that might be

1115

00:41:47,980 --> 00:41:46,580

reading what they're writing that they

1116

00:41:50,560 --> 00:41:47,990

are wrong because the last thing you

1117

00:41:52,870 --> 00:41:50,570

want is for someone to be informing

1118

00:41:55,000 --> 00:41:52,880

people incorrectly okay what about in

1119

00:41:56,560 --> 00:41:55,010

person I spoke to dr. Karl earlier who

1120

00:41:58,540 --> 00:41:56,570

said the best way to deal that applied

1121

00:42:00,250 --> 00:41:58,550

and I had a dinner parties just to go

1122

00:42:02,680 --> 00:42:00,260

your scientifically incorrect and change

1123

00:42:04,480 --> 00:42:02,690

the subject would you had that strength

1124

00:42:05,730 --> 00:42:04,490

of character to do that and just leave

1125

00:42:08,790 --> 00:42:05,740

it or would you have to go for

1126
00:42:10,710 --> 00:42:08,800
gulia um it depends on the person that

1127
00:42:12,359 --> 00:42:10,720
you're arguing with if you think they

1128
00:42:13,560 --> 00:42:12,369
might actually change their mind that'd

1129
00:42:16,380 --> 00:42:13,570
be worth it otherwise all you're doing

1130
00:42:17,460 --> 00:42:16,390
is picking a fight so I'm very much when

1131
00:42:19,109 --> 00:42:17,470
it comes to these kind of things I'm

1132
00:42:21,000 --> 00:42:19,119
very much done confrontational yeah

1133
00:42:22,410 --> 00:42:21,010
that's a way to go there so the rest of

1134
00:42:26,130 --> 00:42:22,420
the weekend non confrontational for you

1135
00:42:27,930 --> 00:42:26,140
hmm well you know early days yet early

1136
00:42:29,460 --> 00:42:27,940
days yeah look there's a magician at the

1137
00:42:30,900 --> 00:42:29,470
whole dinner tonight with job hosting so

1138
00:42:32,760 --> 00:42:30,910

don't make a scene don't get up and

1139

00:42:34,380 --> 00:42:32,770

point that's not real magic that's just

1140

00:42:48,440 --> 00:42:34,390

a trick don't do that okay I want to

1141

00:42:53,940 --> 00:42:50,510

[Music]

1142

00:42:56,790 --> 00:42:53,950

hi this is dr. Pamela gay from astronomy

1143

00:42:58,680 --> 00:42:56,800

cast each week Fraser Cain and I take

1144

00:43:00,900 --> 00:42:58,690

our listeners on a fact-based journey

1145

00:43:03,630 --> 00:43:00,910

through the cosmos with our weekly

1146

00:43:06,420 --> 00:43:03,640

podcast we explain not just what we know

1147

00:43:09,300 --> 00:43:06,430

but how we know what we know about this

1148

00:43:11,760 --> 00:43:09,310

universe that we share check us out at

1149

00:43:14,160 --> 00:43:11,770

astronomy cast calm and look for us in

1150

00:43:17,960 --> 00:43:14,170

itunes google play and wherever you

1151

00:43:32,020 --> 00:43:17,970

download podcasts see online

1152

00:43:36,530 --> 00:43:34,460

thank you for listening to the skeptic

1153

00:43:38,390 --> 00:43:36,540

zone coming up on next week's show part

1154

00:43:41,450 --> 00:43:38,400

two of Maenads interview with the Yvette

1155

00:43:43,670 --> 00:43:41,460

Don Ramon and next week event we'll be

1156

00:43:46,970 --> 00:43:43,680

talking about supplements and what it's

1157

00:43:49,370 --> 00:43:46,980

like being in Trump's America also we

1158

00:43:52,400 --> 00:43:49,380

hope to bring you some insights and

1159

00:43:55,190 --> 00:43:52,410

reports and comments from skeptics in

1160

00:43:58,070 --> 00:43:55,200

the pub with David Rosenberg who is the

1161

00:44:00,380 --> 00:43:58,080

guest will be the guest when the next

1162

00:44:02,660 --> 00:44:00,390

show goes out plus a lot more interviews

1163

00:44:06,080 --> 00:44:02,670

from skeptic on without the speakers and

1164

00:44:08,480 --> 00:44:06,090

attendees another thank you from me to

1165

00:44:12,040 --> 00:44:08,490

the skeptic zone supporters a couple of

1166

00:44:15,230 --> 00:44:12,050

weeks ago I bought myself the zoom h6

1167

00:44:17,330 --> 00:44:15,240

microphone and mixer and I'll be using

1168

00:44:18,860 --> 00:44:17,340

that to conduct interviews and mixed

1169

00:44:23,360 --> 00:44:18,870

reports and things like that's and very

1170

00:44:25,550 --> 00:44:23,370

very nice piece of gear and I hope it

1171

00:44:29,030 --> 00:44:25,560

means that I'll be able to bring you

1172

00:44:30,230 --> 00:44:29,040

better sounding or more interesting now

1173

00:44:32,570 --> 00:44:30,240

that's not the right way to say it's

1174

00:44:35,120 --> 00:44:32,580

better sounding isn't it I hope it's

1175

00:44:37,670 --> 00:44:35,130

always interesting regardless I mean I

1176

00:44:40,640 --> 00:44:37,680

could even record all this on a cheap a

1177

00:44:42,590 --> 00:44:40,650

how old-fashioned real for real I had as

1178

00:44:44,000 --> 00:44:42,600

a kid as long as the content is

1179

00:44:45,860 --> 00:44:44,010

interesting but I do want to make it

1180

00:44:47,540 --> 00:44:45,870

sound good but anyway thank you very

1181

00:44:50,450 --> 00:44:47,550

much for all those people who contribute

1182

00:44:52,760 --> 00:44:50,460

to the show financially and the best way

1183

00:44:56,900 --> 00:44:52,770

to do that is to head to skeptic zone TV

1184

00:44:58,790 --> 00:44:56,910

and click the patreon link and your five

1185

00:45:00,650 --> 00:44:58,800

dollars for example a month goes a very

1186

00:45:05,540 --> 00:45:00,660

long way here at the skeptic zone and

1187

00:45:08,840 --> 00:45:05,550

some people even contribute more \$10 or

1188

00:45:11,570 --> 00:45:08,850

\$20 there's various packages available

1189

00:45:13,670 --> 00:45:11,580

if you're a for example are \$10 a month

1190

00:45:17,920 --> 00:45:13,680

contributor I send you out a little

1191

00:45:21,230 --> 00:45:17,930

parcel of Gries and and so on but anyway

1192

00:45:23,570 --> 00:45:21,240

if you've never contributed to the

1193

00:45:25,460 --> 00:45:23,580

skeptic zone before chipped in please

1194

00:45:28,430 --> 00:45:25,470

consider doing that it helps keep the

1195

00:45:30,320 --> 00:45:28,440

show going oh and by the way yes the

1196

00:45:32,120 --> 00:45:30,330

skeptic zone cats really did like the

1197

00:45:35,090 --> 00:45:32,130

editor after all I wonder if they want

1198

00:45:37,400 --> 00:45:35,100

some more but for this week this is

1199

00:45:41,519 --> 00:45:37,410

Richard Saunders signing off from Sydney

1200

00:45:47,519 --> 00:45:44,019

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00:45:53,620 --> 00:45:47,529
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1210
00:46:18,609 --> 00:46:16,249
production the views and opinions

1211
00:46:20,769 --> 00:46:18,619
expressed on the skeptic zone are not

1212
00:46:23,690 --> 00:46:20,779
necessarily those of Australian skeptics

1213
00:46:34,640 --> 00:46:23,700

or any other skeptical organization

1214

00:46:40,560 --> 00:46:38,310

now this is the normal evening routine

1215

00:46:42,450 --> 00:46:40,570

here at skeptic Zone headquarters what

1216

00:46:46,430 --> 00:46:42,460

do you want hmm

1217

00:46:52,920 --> 00:46:46,440

you want some dinner you had dinner

1218

00:46:53,280 --> 00:46:52,930

no really you have she doesn't believe