

1
00:00:06,009 --> 00:00:13,949
welcome to the skeptic zone the podcast

2
00:00:09,130 --> 00:00:13,950
from Australia for science and reason

3
00:00:17,149 --> 00:00:23,439
[Music]

4
00:00:26,280 --> 00:00:29,449
[Music]

5
00:00:30,230 --> 00:00:36,140
oh and welcome to the skeptic zone

6
00:00:32,689 --> 00:00:37,969
podcast episode number 531 for the 23rd

7
00:00:36,140 --> 00:00:40,820
of December 2018

8
00:00:37,969 --> 00:00:43,128
richardsaunders here with you coming to

9
00:00:40,820 --> 00:00:46,308
you today from downtown San Francisco

10
00:00:43,128 --> 00:00:51,320
I'm right on Market Street not far from

11
00:00:46,308 --> 00:00:54,169
Macy's lots of people buzzing about down

12
00:00:51,320 --> 00:00:56,530
here last-minute Christmas shopping I

13
00:00:54,170 --> 00:00:56,530
guess

14
00:00:57,770 --> 00:01:02,060
coming up on this week's show we're

15
00:01:00,439 --> 00:01:03,589
going to start off with the raw skeptic

16
00:01:02,060 --> 00:01:06,500
Heidi Robertson from the Northern Rivers

17
00:01:03,590 --> 00:01:09,590
vaccination supporters she's going to

18
00:01:06,500 --> 00:01:11,659
report on the 7:30 report the 7:30

19
00:01:09,590 --> 00:01:14,900
reporters and news information program

20
00:01:11,659 --> 00:01:18,500
on the national broadcaster in Australia

21
00:01:14,900 --> 00:01:20,750
and recently they did a story focused on

22
00:01:18,500 --> 00:01:24,680
the Northern Rivers area about the no

23
00:01:20,750 --> 00:01:28,370
jab no play Lourdes and its

24
00:01:24,680 --> 00:01:31,100
ramifications on children not being now

25
00:01:28,370 --> 00:01:32,990
admitted to preschools a very

26
00:01:31,099 --> 00:01:35,959
interesting report indeed from Heidi

27
00:01:32,989 --> 00:01:38,750
Robinson following that it's an update

28
00:01:35,959 --> 00:01:41,118
from our friend Britt amis Britt you'll

29

00:01:38,750 --> 00:01:44,239
will remember was a former naturopath

30
00:01:41,118 --> 00:01:48,769
who well I guess sort of saw the light

31
00:01:44,239 --> 00:01:51,560
and has written about the real ins and

32
00:01:48,769 --> 00:01:54,679
outs of naturopathy the pseudoscience

33
00:01:51,560 --> 00:01:57,890
and the bunk involved with that and she

34
00:01:54,680 --> 00:01:59,950
gives an update on her legal case being

35
00:01:57,890 --> 00:02:02,929
a conducted in Germany at the moment

36
00:01:59,950 --> 00:02:05,750
then we have Maynard skeptics in the pub

37
00:02:02,929 --> 00:02:07,700
may not spoke to Tom Gordon who is one

38
00:02:05,750 --> 00:02:12,199
of the presenters at skip Dickinson pub

39
00:02:07,700 --> 00:02:13,960
a couple of months ago Tom is involved

40
00:02:12,199 --> 00:02:17,869
at the City University where he's a

41
00:02:13,960 --> 00:02:19,820
senior science communicator Tom gave a

42
00:02:17,870 --> 00:02:21,319
fascinating talk and used a theremin

43
00:02:19,819 --> 00:02:24,109

when you hear the theremin in the

44

00:02:21,319 --> 00:02:28,090

background he's gonna be talking about

45

00:02:24,110 --> 00:02:31,490

the quality in physics quantum computers

46

00:02:28,090 --> 00:02:35,509

climate change how to make a hit song

47

00:02:31,490 --> 00:02:38,270

and pulsars is a wide-ranging interview

48

00:02:35,509 --> 00:02:40,179

with Tom Gordon Maynard spooky action

49

00:02:38,270 --> 00:02:42,380

coming up a bit later on in the show

50

00:02:40,180 --> 00:02:44,230

then to round off the show we have the

51

00:02:42,379 --> 00:02:48,680

Australian Medical Association's

52

00:02:44,229 --> 00:02:51,049

commentary on alternative medicine and

53

00:02:48,680 --> 00:02:54,530

complementary medicines their position

54

00:02:51,050 --> 00:02:56,950

statement and it's a warning supporting

55

00:02:54,530 --> 00:02:56,949

to us all

56

00:02:57,229 --> 00:03:02,378

well what groovy sounds they're coming

57

00:02:59,180 --> 00:03:02,379

off Market Street today

58
00:03:03,340 --> 00:03:08,530
okay hang out here maybe grab a hot dog

59
00:03:06,550 --> 00:03:12,330
from a vendor just down the street why

60
00:03:08,530 --> 00:03:12,330
you enjoy the skeptic sir

61
00:03:14,259 --> 00:03:24,598
[Music]

62
00:03:21,550 --> 00:03:24,599
[Applause]

63
00:03:25,900 --> 00:03:29,069
[Music]

64
00:03:31,289 --> 00:03:44,439
it's the raw skeptic report with Heidi

65
00:03:35,259 --> 00:03:46,169
Robertson hello everyone this is Heidi

66
00:03:44,439 --> 00:03:50,500
Robertson from the Northern Rivers

67
00:03:46,169 --> 00:03:52,869
vaccinations supporters a couple of

68
00:03:50,500 --> 00:03:55,810
weeks ago I've got a phone call from a

69
00:03:52,870 --> 00:03:59,680
Peter McCutcheon a journalist with

70
00:03:55,810 --> 00:04:03,759
Australian TVs seven-thirty report which

71
00:03:59,680 --> 00:04:06,300
is an ABC news program Peter have

72
00:04:03,759 --> 00:04:10,929
interviewed me about three years ago

73
00:04:06,300 --> 00:04:13,689
about the policy of no job no play which

74
00:04:10,930 --> 00:04:16,360
along with no job no pay places

75
00:04:13,689 --> 00:04:19,089
restrictions on parents who do not have

76
00:04:16,360 --> 00:04:21,210
their children immunized in terms of

77
00:04:19,089 --> 00:04:23,859
sending them to preschool facilities and

78
00:04:21,209 --> 00:04:29,289
receiving government benefits associated

79
00:04:23,860 --> 00:04:32,110
with child care and immunisation the

80
00:04:29,290 --> 00:04:36,700
7:30 report wanted to do a follow-up

81
00:04:32,110 --> 00:04:38,620
story about no job no play this time

82
00:04:36,699 --> 00:04:41,529
with the angle of looking at how the

83
00:04:38,620 --> 00:04:44,800
policy is seen by some as disadvantaging

84
00:04:41,529 --> 00:04:48,309
children by restricting their access to

85
00:04:44,800 --> 00:04:50,259
early childhood education at the

86

00:04:48,310 --> 00:04:52,780
Northern Rivers vaccination supporters

87
00:04:50,259 --> 00:04:56,469
we have taken the stance that yes these

88
00:04:52,779 --> 00:04:59,609
kids are disadvantaged but it is their

89
00:04:56,470 --> 00:05:03,550
own parents who are disadvantaging them

90
00:04:59,610 --> 00:05:05,470
many of these parents as we know have

91
00:05:03,550 --> 00:05:08,759
been swayed by the anti-vaccination

92
00:05:05,470 --> 00:05:12,940
movement which is based on lies and

93
00:05:08,759 --> 00:05:15,009
scaremongering tactics and as we know

94
00:05:12,939 --> 00:05:19,870
once you've been scared it is very

95
00:05:15,009 --> 00:05:22,930
difficult to become unscared Katerina

96
00:05:19,870 --> 00:05:26,019
Gorka who lives at UK recently found out

97
00:05:22,930 --> 00:05:28,389
her son Manu can't join his sister Meir

98
00:05:26,019 --> 00:05:32,049
at preschool

99
00:05:28,389 --> 00:05:35,229
I don't think it's fair to be honest it

100
00:05:32,050 --> 00:05:38,829

makes me feel like we're but secluded

101

00:05:35,230 --> 00:05:41,230

from society yeah did you ever think

102

00:05:38,829 --> 00:05:43,689

I'll get my son vaccinated so I get

103

00:05:41,230 --> 00:05:46,680

around this preschool problem no I don't

104

00:05:43,689 --> 00:05:48,850

know I never thought about them why not

105

00:05:46,680 --> 00:05:50,500

because I have a set opinion on

106

00:05:48,850 --> 00:05:54,520

vaccinations and that's not going to

107

00:05:50,500 --> 00:05:56,920

change these kids do not deserve to be

108

00:05:54,519 --> 00:06:00,189

denied this opportunity to miss out on

109

00:05:56,920 --> 00:06:02,350

preschool neither do they deserve to be

110

00:06:00,189 --> 00:06:04,769

left an immune eyes in an area with

111

00:06:02,350 --> 00:06:07,750

dangerously low vaccination rates and

112

00:06:04,769 --> 00:06:09,879

neither do the immune compromised kids

113

00:06:07,750 --> 00:06:12,550

and the babies too young to be

114

00:06:09,879 --> 00:06:15,909

vaccinated deserve to be in an

115
00:06:12,550 --> 00:06:19,120
environment with 50% or more of kids

116
00:06:15,910 --> 00:06:21,580
being unvaccinated and that is the

117
00:06:19,120 --> 00:06:24,129
current case at the Mount Warning

118
00:06:21,579 --> 00:06:26,379
community preschool which was featured

119
00:06:24,129 --> 00:06:27,589
in the 7:30 report

120
00:06:26,379 --> 00:06:30,168
[Music]

121
00:06:27,589 --> 00:06:32,000
the Mount Warning community preschool

122
00:06:30,168 --> 00:06:35,569
near Byron Bay in northern New South

123
00:06:32,000 --> 00:06:38,480
Wales is shrinking from 60 enrollments

124
00:06:35,569 --> 00:06:41,659
now to 40 next year and probably even

125
00:06:38,480 --> 00:06:44,629
fewer from 2020 in an area that is

126
00:06:41,660 --> 00:06:49,790
growing you'll be able to continue here

127
00:06:44,629 --> 00:06:53,300
do you think we plan to so what we'll

128
00:06:49,790 --> 00:06:54,950
see yeah it's hard to tell the problem

129
00:06:53,300 --> 00:06:57,918
is that half the children here are

130
00:06:54,949 --> 00:07:00,469
unvaccinated under new state government

131
00:06:57,918 --> 00:07:02,329
rules they're allowed to stay here but

132
00:07:00,470 --> 00:07:04,490
they're unvaccinated younger brothers

133
00:07:02,329 --> 00:07:06,829
and sisters are banned from enrolling in

134
00:07:04,490 --> 00:07:10,879
the future as part of a policy known as

135
00:07:06,829 --> 00:07:12,949
no jab no play the filming for this

136
00:07:10,879 --> 00:07:16,370
interview was done along with an

137
00:07:12,949 --> 00:07:19,819
interview with Tony McCaffrey and took

138
00:07:16,370 --> 00:07:23,689
about three hours it was aired last

139
00:07:19,819 --> 00:07:26,810
night the 18th of December 2018 of

140
00:07:23,689 --> 00:07:29,439
course all that filming of three hours

141
00:07:26,810 --> 00:07:32,360
had to be heavily edited down and

142
00:07:29,439 --> 00:07:36,379
resulted in a couple of sentences from

143

00:07:32,360 --> 00:07:39,500
me but more importantly ed Tony's story

144
00:07:36,379 --> 00:07:44,240
about her daughter Dana's death in 2009

145
00:07:39,500 --> 00:07:47,418
as a result of whooping cough my four

146
00:07:44,240 --> 00:07:48,710
week old baby coughed and coughed and

147
00:07:47,418 --> 00:07:50,418
coughed and coughed and coughed which

148
00:07:48,709 --> 00:07:52,489
seemed like four minutes and went blue

149
00:07:50,418 --> 00:07:57,490
stopped breathing and passed out in my

150
00:07:52,490 --> 00:08:00,139
arms and the hospital staff very calmly

151
00:07:57,490 --> 00:08:04,780
took her from me and put oxygen on her

152
00:08:00,139 --> 00:08:09,019
face and said yep classic whooping cough

153
00:08:04,779 --> 00:08:10,159
baby Dana McCaffrey died in 2009 at

154
00:08:09,019 --> 00:08:11,729
Lismore Hospital

155
00:08:10,160 --> 00:08:14,830
[Music]

156
00:08:11,730 --> 00:08:16,810
her mother Tony is now part of a group

157
00:08:14,829 --> 00:08:19,689

that helps to promote inform debate

158

00:08:16,810 --> 00:08:22,449

about immunization Heidi Robertson is

159

00:08:19,689 --> 00:08:24,759

the group's coordinator vaccination

160

00:08:22,449 --> 00:08:28,329

rates have increased and they've

161

00:08:24,759 --> 00:08:31,389

increased slowly but they continue to go

162

00:08:28,329 --> 00:08:34,509

up every time new data comes out what

163

00:08:31,389 --> 00:08:37,000

was not aired was Tony explaining that

164

00:08:34,509 --> 00:08:40,299

Dana had likely picked up whooping cough

165

00:08:37,000 --> 00:08:42,389

in a preschool facility where Tony had

166

00:08:40,299 --> 00:08:46,349

been dropping off her elder daughter

167

00:08:42,389 --> 00:08:49,259

carrying newborn Dana in with her

168

00:08:46,350 --> 00:08:52,360

Tony's husband had returned to work and

169

00:08:49,259 --> 00:08:55,899

Tony had no choice like many other

170

00:08:52,360 --> 00:08:58,240

parents but to take her baby with her to

171

00:08:55,899 --> 00:09:02,470

do the daily chores and this included

172
00:08:58,240 --> 00:09:05,889
going into that preschool unbeknownst to

173
00:09:02,470 --> 00:09:08,860
her but confirmed later whooping cough

174
00:09:05,889 --> 00:09:11,799
was rife in the preschool facility at

175
00:09:08,860 --> 00:09:14,440
that stage and there was a current

176
00:09:11,799 --> 00:09:19,689
epidemic of whooping cough in the entire

177
00:09:14,440 --> 00:09:22,950
region at that time Dana did not get a

178
00:09:19,690 --> 00:09:25,480
chance for an early childhood education

179
00:09:22,950 --> 00:09:28,210
nor have the other babies that have died

180
00:09:25,480 --> 00:09:32,039
or become permanently disabled as a

181
00:09:28,210 --> 00:09:34,930
result of a vaccine preventable disease

182
00:09:32,039 --> 00:09:37,329
the baby here in this region that now

183
00:09:34,929 --> 00:09:39,849
has a permanent brain injury as a result

184
00:09:37,330 --> 00:09:42,190
of hypoxia or lack of oxygen from

185
00:09:39,850 --> 00:09:45,190
whooping cough will not get the

186
00:09:42,190 --> 00:09:47,110
opportunity for preschool neither will

187
00:09:45,190 --> 00:09:50,680
the baby in this region that was denied

188
00:09:47,110 --> 00:09:53,470
a vitamin K shot at birth and now has a

189
00:09:50,679 --> 00:09:56,500
permanent brain injury as a result of a

190
00:09:53,470 --> 00:09:59,350
massive brain bleed the kid in this

191
00:09:56,500 --> 00:10:01,659
region who had chemotherapy and was

192
00:09:59,350 --> 00:10:05,440
exposed to a vaccine preventable disease

193
00:10:01,659 --> 00:10:08,529
missed out on much of preschool instead

194
00:10:05,440 --> 00:10:10,480
spending days quarantined with the

195
00:10:08,529 --> 00:10:12,490
anxious parents waiting to hear if

196
00:10:10,480 --> 00:10:16,840
they've contracted the potentially fatal

197
00:10:12,490 --> 00:10:19,360
disease a mum here lost her child to

198
00:10:16,840 --> 00:10:21,370
complications of measles and that child

199
00:10:19,360 --> 00:10:23,438
did get to go to preschool but missed

200

00:10:21,370 --> 00:10:26,600
out on high school

201
00:10:23,438 --> 00:10:29,419
these are just a handful of the many

202
00:10:26,600 --> 00:10:33,319
stories that our group hears all the

203
00:10:29,419 --> 00:10:36,259
time the public will never know of the

204
00:10:33,318 --> 00:10:40,248
multitude of other babies and children

205
00:10:36,259 --> 00:10:43,399
who have died or suffered as it is the

206
00:10:40,249 --> 00:10:48,499
parents choice to go public and not many

207
00:10:43,399 --> 00:10:51,409
do which is very understandable so like

208
00:10:48,499 --> 00:10:54,379
a very eloquent cath who's said to me

209
00:10:51,409 --> 00:10:58,428
you remember Kath who also lost her son

210
00:10:54,379 --> 00:11:01,308
Riley to whooping cough she said quote

211
00:10:58,428 --> 00:11:04,698
until such time as the experts figure

212
00:11:01,308 --> 00:11:07,730
out a way to change minds these policies

213
00:11:04,698 --> 00:11:09,549
are working to change behaviors end

214
00:11:07,730 --> 00:11:12,170

quote

215

00:11:09,549 --> 00:11:15,399
there has been media coverage today

216

00:11:12,169 --> 00:11:17,808
since this report went to air last night

217

00:11:15,399 --> 00:11:20,629
overwhelmingly in support of the

218

00:11:17,808 --> 00:11:23,299
policies and critical of the viewpoint

219

00:11:20,629 --> 00:11:25,688
that preschool education Trump's the

220

00:11:23,299 --> 00:11:28,368
health and well-being of children a

221

00:11:25,688 --> 00:11:30,889
parent with first-hand experience of

222

00:11:28,369 --> 00:11:34,850
childhood disease says health should

223

00:11:30,889 --> 00:11:38,389
always come first I know it sounds like

224

00:11:34,850 --> 00:11:45,170
tough love however

225

00:11:38,389 --> 00:11:48,819
these diseases can and do kill and what

226

00:11:45,169 --> 00:11:51,829
this policy is all about is keeping

227

00:11:48,820 --> 00:11:54,320
child care and preschool safer to

228

00:11:51,830 --> 00:11:56,180
protect our most vulnerable I'll leave

229
00:11:54,320 --> 00:12:00,050
it to Richard to link to some of that

230
00:11:56,179 --> 00:12:02,089
media in the show notes thanks for

231
00:12:00,049 --> 00:12:04,699
listening and until next time this has

232
00:12:02,090 --> 00:12:08,290
been highly Robertson of the Northern

233
00:12:04,700 --> 00:12:08,290
Rivers vaccinations

234
00:12:08,419 --> 00:12:15,048
[Music]

235
00:12:16,000 --> 00:12:20,629
hey max fun listeners have you been

236
00:12:18,950 --> 00:12:22,430
listening to max fun for a while and

237
00:12:20,629 --> 00:12:24,439
you've just been wondering where's the

238
00:12:22,429 --> 00:12:26,239
new Flat Earth podcast to keep hearing

239
00:12:24,440 --> 00:12:29,420
about well here it is we give you all

240
00:12:26,240 --> 00:12:34,159
the facts on NASA's lies and how we know

241
00:12:29,419 --> 00:12:37,339
that the earth is actually flat this is

242
00:12:34,159 --> 00:12:39,289
oh no Ross and Carrie and we join fringe

243
00:12:37,340 --> 00:12:41,389
religious groups we undergo alternative

244
00:12:39,289 --> 00:12:43,339
medical treatments and we hang out with

245
00:12:41,389 --> 00:12:44,840
people like 9/11 truthers flat earthers

246
00:12:43,340 --> 00:12:47,389
we find out why do people believe

247
00:12:44,840 --> 00:12:49,100
strange things we join them and we tell

248
00:12:47,389 --> 00:12:50,779
you all about it we have a lot of fun we

249
00:12:49,100 --> 00:12:52,509
make a lot of friends yeah we do we

250
00:12:50,779 --> 00:12:55,100
joined the Mormons we joined the

251
00:12:52,509 --> 00:12:57,350
Scientologists we got acupuncture we got

252
00:12:55,100 --> 00:12:58,909
fire cups we got ear candled we've done

253
00:12:57,350 --> 00:13:00,740
it all and we're gonna keep doing it all

254
00:12:58,909 --> 00:13:04,179
why don't you check out oh no Ross and

255
00:13:00,740 --> 00:13:04,180
Carrie and maximum fun org

256
00:13:07,379 --> 00:13:14,808
[Music]

257

00:13:19,240 --> 00:13:23,600
now here's an update that comes to us

258
00:13:21,710 --> 00:13:26,389
from the Australian skeptics website at

259
00:13:23,600 --> 00:13:29,060
skeptics comdatais you read Hermes

260
00:13:26,389 --> 00:13:31,759
campaign an update on the defamation

261
00:13:29,059 --> 00:13:40,519
case this is by Tim Mendham published on

262
00:13:31,759 --> 00:13:43,129
the 18th of December 2018 Britt Burmese

263
00:13:40,519 --> 00:13:45,710
is an American former naturopath and

264
00:13:43,129 --> 00:13:47,480
noted skeptical campaigner who has spent

265
00:13:45,710 --> 00:13:49,340
much time and effort lately in

266
00:13:47,480 --> 00:13:52,659
campaigning against naturopathic

267
00:13:49,340 --> 00:13:56,389
practices she is the author of the blog

268
00:13:52,659 --> 00:13:57,949
naturopathic Diaries here she provides

269
00:13:56,389 --> 00:14:00,559
an update on the status of her

270
00:13:57,950 --> 00:14:04,460
defamation suit over naturopathy

271
00:14:00,559 --> 00:14:10,309

and the skeptics campaign to cover her

272

00:14:04,460 --> 00:14:14,360

legal expense britt hermes writes dear

273

00:14:10,309 --> 00:14:17,629

friends in October 2017 I was served

274

00:14:14,360 --> 00:14:20,720

with a German lawsuit from an American

275

00:14:17,629 --> 00:14:23,509

naturopath named Colleen Huber who

276

00:14:20,720 --> 00:14:26,450

alleges that I committed defamation

277

00:14:23,509 --> 00:14:28,730

against her when I criticized her cancer

278

00:14:26,450 --> 00:14:31,520

treatments and claims of extraordinary

279

00:14:28,730 --> 00:14:34,039

results to help support my defense

280

00:14:31,519 --> 00:14:37,759

against this legal threat Australian

281

00:14:34,039 --> 00:14:41,419

skeptics Inc asi spearheaded a fund

282

00:14:37,759 --> 00:14:44,360

raising campaign to which you generously

283

00:14:41,419 --> 00:14:47,360

contributed the success of this effort

284

00:14:44,360 --> 00:14:50,659

was astonishing we reached our goal of

285

00:14:47,360 --> 00:14:53,480

raising at least 50,000 euros or about

286
00:14:50,659 --> 00:14:57,039
80,000 Australian dollars in less than

287
00:14:53,480 --> 00:14:59,509
nine days as of this week more than

288
00:14:57,039 --> 00:15:04,579
\$100,000 Australian has been raised over

289
00:14:59,509 --> 00:15:08,179
the last year about \$33,000 or 20,000

290
00:15:04,580 --> 00:15:11,470
euros has been put towards my legal fees

291
00:15:08,179 --> 00:15:14,299
so far these funds have been

292
00:15:11,470 --> 00:15:16,550
indispensable to my case and without

293
00:15:14,299 --> 00:15:19,250
them I would not be able to defend

294
00:15:16,549 --> 00:15:20,569
myself I want to share with you an

295
00:15:19,250 --> 00:15:24,649
update from

296
00:15:20,570 --> 00:15:27,560
case in April 2018 my judge heard the

297
00:15:24,649 --> 00:15:30,110
case in Kiel the judge reviewed the

298
00:15:27,559 --> 00:15:31,339
points of the case with my lawyer and

299
00:15:30,110 --> 00:15:34,669
who burrs lawyer

300
00:15:31,340 --> 00:15:37,160
hooba did not appear at the hearing nor

301
00:15:34,669 --> 00:15:40,219
was she required to do so the judge

302
00:15:37,159 --> 00:15:42,379
offered no ruling and informed us he

303
00:15:40,220 --> 00:15:44,560
would continue to review the legal

304
00:15:42,379 --> 00:15:48,230
briefs submitted by both sides and

305
00:15:44,559 --> 00:15:50,859
relevant case law we were expecting to

306
00:15:48,230 --> 00:15:53,240
have another hearing by late summer 2018

307
00:15:50,860 --> 00:15:55,789
several months later we learned that the

308
00:15:53,240 --> 00:15:58,639
judge who had heard the case suddenly

309
00:15:55,789 --> 00:16:01,490
moved to another chamber so our case was

310
00:15:58,639 --> 00:16:03,529
reassigned to a new judge now we are

311
00:16:01,490 --> 00:16:06,889
told there will be a hearing in front of

312
00:16:03,529 --> 00:16:10,069
this judge in early 2019 but the date

313
00:16:06,889 --> 00:16:11,750
has yet to be scheduled I have been

314

00:16:10,070 --> 00:16:15,260
happy with this slow pages of the German

315
00:16:11,750 --> 00:16:17,750
Court as it has given me respite from

316
00:16:15,259 --> 00:16:20,120
the stress of the case most importantly

317
00:16:17,750 --> 00:16:23,480
I am lucky to be able to focus on my

318
00:16:20,120 --> 00:16:25,810
baby on the same day I found out I was

319
00:16:23,480 --> 00:16:28,399
being sued I found out I was pregnant

320
00:16:25,809 --> 00:16:31,819
your generous support and the strong

321
00:16:28,399 --> 00:16:34,720
effort of ASI to organize the fundraiser

322
00:16:31,820 --> 00:16:37,010
allowed me to keep my stress low I

323
00:16:34,720 --> 00:16:39,710
intended to keep up with my blogging

324
00:16:37,009 --> 00:16:41,960
public speaking and PhD program during

325
00:16:39,710 --> 00:16:44,330
my pregnancy but severe and prolonged

326
00:16:41,960 --> 00:16:47,150
morning sickness made this impossible

327
00:16:44,330 --> 00:16:50,450
those who heard my skype talk at skeptic

328
00:16:47,149 --> 00:16:52,639

on 2017 conference may be amused to

329

00:16:50,450 --> 00:16:55,970

learn that I had a bucket at my feet

330

00:16:52,639 --> 00:16:58,399

just in case dr. Karl Cruz will miss key

331

00:16:55,970 --> 00:17:00,860

Australian science communicator assured

332

00:16:58,399 --> 00:17:03,199

me that all my intense morning sickness

333

00:17:00,860 --> 00:17:05,449

meant that my baby was healthy and

334

00:17:03,200 --> 00:17:08,799

robust sure enough I delivered a healthy

335

00:17:05,449 --> 00:17:11,720

and very strong baby girl in June 2018

336

00:17:08,799 --> 00:17:14,180

mum life has been wonderful but I am

337

00:17:11,720 --> 00:17:17,328

still struggling to balance PhD work

338

00:17:14,180 --> 00:17:19,250

home life and writing projects to

339

00:17:17,328 --> 00:17:21,889

outsiders it may appear as though the

340

00:17:19,250 --> 00:17:24,709

legal cases deferred me from writing

341

00:17:21,890 --> 00:17:26,720

rest assured it is just a new member of

342

00:17:24,709 --> 00:17:28,870

the skeptical community that keeps me

343
00:17:26,720 --> 00:17:32,000
away from the computer and not any

344
00:17:28,869 --> 00:17:33,939
specific legal concern in other exciting

345
00:17:32,000 --> 00:17:36,099
news last month I was awarded

346
00:17:33,940 --> 00:17:38,440
John Maddox priors for standing up for

347
00:17:36,099 --> 00:17:41,259
science in the face of hostility and

348
00:17:38,440 --> 00:17:43,509
difficulty Australian marine biologist

349
00:17:41,259 --> 00:17:46,089
Terry Hughes was also awarded the prize

350
00:17:43,509 --> 00:17:48,399
for his research on coral bleaching due

351
00:17:46,089 --> 00:17:51,069
to climate change and opposition he

352
00:17:48,398 --> 00:17:53,288
faced in doing so I was nominated for

353
00:17:51,069 --> 00:17:56,048
the prize by Professor Chris French and

354
00:17:53,288 --> 00:17:58,148
dr. Chris Peters I am deeply honored to

355
00:17:56,048 --> 00:18:00,819
be awarded the John Maddox prize and to

356
00:17:58,148 --> 00:18:03,819
stand alongside others who champion

357
00:18:00,819 --> 00:18:05,408
science against adversity for me this

358
00:18:03,819 --> 00:18:07,538
award means that the scientific

359
00:18:05,409 --> 00:18:11,320
community does not define you by

360
00:18:07,538 --> 00:18:14,019
mistakes rather by responses to them

361
00:18:11,319 --> 00:18:16,269
I expect 2019 to be another

362
00:18:14,019 --> 00:18:19,628
action-packed year I will return

363
00:18:16,269 --> 00:18:21,569
full-time to my PhD program in which I

364
00:18:19,628 --> 00:18:24,189
research the genetic interplay between

365
00:18:21,569 --> 00:18:26,648
microbiota and their mammalian hosts I

366
00:18:24,190 --> 00:18:29,379
will also start writing regularly again

367
00:18:26,648 --> 00:18:31,989
about naturopathy I feel it is my

368
00:18:29,378 --> 00:18:34,209
ethical duty to speak out and provide

369
00:18:31,990 --> 00:18:36,759
fact-based information about this

370
00:18:34,210 --> 00:18:40,298
elusive community that remains in the

371

00:18:36,759 --> 00:18:42,339
deep end of pseudoscience naturopaths

372
00:18:40,298 --> 00:18:44,980
simply make up alternative facts about

373
00:18:42,339 --> 00:18:47,678
medicine to profit at the expense of

374
00:18:44,980 --> 00:18:49,990
people's health and safety I fully

375
00:18:47,679 --> 00:18:53,909
expect my right of freedom of expression

376
00:18:49,990 --> 00:18:57,009
to be upheld in the German court of law

377
00:18:53,909 --> 00:19:02,830
thank you for supporting me yours

378
00:18:57,009 --> 00:19:05,038
Brent Murray Hermes and that comes to us

379
00:19:02,829 --> 00:19:09,519
from the Australian skeptics website

380
00:19:05,038 --> 00:19:11,740
wwlp.com.au published on the 18th of

381
00:19:09,519 --> 00:19:12,370
December with a link in this week's show

382
00:19:11,740 --> 00:19:38,109
notes

383
00:19:12,369 --> 00:19:42,199
[Music]

384
00:19:38,109 --> 00:19:45,229
dr. Harriet Hall MD no into thousands as

385
00:19:42,200 --> 00:19:48,350

the skeptic a retired family physician

386

00:19:45,230 --> 00:19:50,420

and former Air Force flight surgeon she

387

00:19:48,349 --> 00:19:52,119

writes about medicine so-called

388

00:19:50,420 --> 00:19:55,990

complementary and alternative medicine

389

00:19:52,119 --> 00:19:59,089

science hackery and critical thinking

390

00:19:55,990 --> 00:20:01,339

Harriet now has a free course a series

391

00:19:59,089 --> 00:20:04,699

of 10 video lectures on science-based

392

00:20:01,339 --> 00:20:06,709

medicine and alternative medicine the

393

00:20:04,700 --> 00:20:08,840

videos and an accompanying course guide

394

00:20:06,710 --> 00:20:13,670

can be found by following the link at

395

00:20:08,839 --> 00:20:18,279

skeptic info or by visiting web Randi's

396

00:20:13,670 --> 00:20:22,029

org slash educational - modules dot

397

00:20:18,279 --> 00:20:24,289

html' topics covered in the series are

398

00:20:22,029 --> 00:20:25,579

science-based medicine vs.

399

00:20:24,289 --> 00:20:29,289

evidence-based medicine

400
00:20:25,579 --> 00:20:32,569
what is camp chiropractic acupuncture

401
00:20:29,289 --> 00:20:35,359
homeopathy naturopathy and herbal

402
00:20:32,569 --> 00:20:38,089
medicine energy medicine miscellaneous

403
00:20:35,359 --> 00:20:41,089
alternatives pitfalls in research and

404
00:20:38,089 --> 00:20:44,839
science based medicine in the media and

405
00:20:41,089 --> 00:20:47,419
politics Harriette covers each topic in

406
00:20:44,839 --> 00:20:50,689
a matter-of-fact no-nonsense way that

407
00:20:47,420 --> 00:20:53,860
sure to educate and entertain skeptic

408
00:20:50,690 --> 00:20:53,860
dot info

409
00:20:54,269 --> 00:21:04,598
[Music]

410
00:21:06,160 --> 00:21:13,390
years may not spooky action at a

411
00:21:11,119 --> 00:21:13,389
distance

412
00:21:19,440 --> 00:21:24,549
look we've just been listening to Tom

413
00:21:21,490 --> 00:21:26,319
here and Tom I know now were you once a

414
00:21:24,549 --> 00:21:27,700
junior science educator before you were

415
00:21:26,319 --> 00:21:29,710
a senior science educator how's that

416
00:21:27,700 --> 00:21:31,360
work now as the science communicator and

417
00:21:29,710 --> 00:21:33,009
then they upgraded me to senior science

418
00:21:31,359 --> 00:21:34,899
communicator so there's no junior ones

419
00:21:33,009 --> 00:21:36,609
says no jr. sighs give me a game that's

420
00:21:34,900 --> 00:21:38,470
a bit of a pity oh look and you were

421
00:21:36,609 --> 00:21:41,979
talking there earlier about a guy who

422
00:21:38,470 --> 00:21:44,380
got his uh his Nobel Prize because maybe

423
00:21:41,980 --> 00:21:45,940
he made a flashy video to do things like

424
00:21:44,380 --> 00:21:47,740
that actually influence the committee I

425
00:21:45,940 --> 00:21:49,960
don't think they do influence the

426
00:21:47,740 --> 00:21:52,240
committee but to me that's a thing that

427
00:21:49,960 --> 00:21:55,120
maybe should because this fleshie video

428

00:21:52,240 --> 00:21:57,460
said some as a negative thing it said

429
00:21:55,119 --> 00:21:59,409
some things about the the person who did

430
00:21:57,460 --> 00:22:00,970
the research research aside I'm sure the

431
00:21:59,410 --> 00:22:03,279
research is wonderful but the thing that

432
00:22:00,970 --> 00:22:07,630
the video was showing was something that

433
00:22:03,279 --> 00:22:10,680
was a bit odd and it would be if it was

434
00:22:07,630 --> 00:22:13,330
up to me and it's not the Nobel Prize

435
00:22:10,680 --> 00:22:15,370
maybe it could take that into

436
00:22:13,329 --> 00:22:16,750
consideration yeah that'd be a tough one

437
00:22:15,369 --> 00:22:18,399
it would be like if it was a tie between

438
00:22:16,750 --> 00:22:19,660
that person and someone else and someone

439
00:22:18,400 --> 00:22:21,580
had done something in the public arena

440
00:22:19,660 --> 00:22:23,470
that brings baps physics in to

441
00:22:21,579 --> 00:22:25,149
distribute for example but then that

442
00:22:23,470 --> 00:22:27,190

gets very subjective quickly about -

443

00:22:25,150 --> 00:22:29,410

doesn't matter yeah it does get very

444

00:22:27,190 --> 00:22:32,049

subjective but what that what the the

445

00:22:29,410 --> 00:22:34,090

message is there is physics is a place

446

00:22:32,049 --> 00:22:36,309

for people and you are not one of those

447

00:22:34,089 --> 00:22:38,769

people right to a certain group of

448

00:22:36,309 --> 00:22:40,929

people in physics it really does say you

449

00:22:38,769 --> 00:22:43,359

are not you are not welcome here and

450

00:22:40,930 --> 00:22:45,310

that's a big big problem for me that's

451

00:22:43,359 --> 00:22:47,619

right yeah because video is kind of

452

00:22:45,309 --> 00:22:50,289

making things a less pleasant place for

453

00:22:47,619 --> 00:22:52,839

women to be correct if I read that video

454

00:22:50,289 --> 00:22:55,149

right and I'm pretty sure I did yeah it

455

00:22:52,839 --> 00:22:58,449

was it was definitely women have a place

456

00:22:55,150 --> 00:23:00,820

but it's not in a lab disagree with oh

457
00:22:58,450 --> 00:23:03,069
yeah I mean is this your part that maybe

458
00:23:00,819 --> 00:23:05,079
some women would maybe don't want to do

459
00:23:03,069 --> 00:23:06,730
engineering or don't want to do physics

460
00:23:05,079 --> 00:23:08,649
is that a legitimate thing if they don't

461
00:23:06,730 --> 00:23:11,410
want to do it - of course of course it

462
00:23:08,650 --> 00:23:12,910
is just like some men don't want to I

463
00:23:11,410 --> 00:23:14,590
really don't wanna do physics and being

464
00:23:12,910 --> 00:23:18,440
with engineers is not my idea of not a

465
00:23:14,589 --> 00:23:21,059
good time so ed engineers there

466
00:23:18,440 --> 00:23:22,320
so absolutely of course there is there

467
00:23:21,059 --> 00:23:24,990
is an argument to say if you don't want

468
00:23:22,319 --> 00:23:27,240
to do it you don't do it but from my

469
00:23:24,990 --> 00:23:30,569
perspective you must make the place that

470
00:23:27,240 --> 00:23:33,210
you are that you work accessible to

471
00:23:30,569 --> 00:23:34,589
everybody if they want to yeah and look

472
00:23:33,210 --> 00:23:36,120
I couldn't agree more with you and it's

473
00:23:34,589 --> 00:23:38,099
a pity that your story you did on that

474
00:23:36,119 --> 00:23:39,689
for the ABC site the conversation I

475
00:23:38,099 --> 00:23:41,730
think it's a bit I got pushed off the

476
00:23:39,690 --> 00:23:44,190
front page by a Liberal Party action led

477
00:23:41,730 --> 00:23:46,620
by some politics yeah it was it was a

478
00:23:44,190 --> 00:23:48,390
the the irony was not lost on me yeah

479
00:23:46,619 --> 00:23:50,639
they told me that this will get traction

480
00:23:48,390 --> 00:23:52,890
and then it didn't because of literally

481
00:23:50,640 --> 00:23:54,840
the same thing in the Liberal Party yeah

482
00:23:52,890 --> 00:23:56,490
and how I think has it has the mood in

483
00:23:54,839 --> 00:23:58,259
church education at the moment under

484
00:23:56,490 --> 00:24:00,299
this sort of a slight leaves right

485

00:23:58,259 --> 00:24:02,160
skewing government we've got now it has

486
00:24:00,299 --> 00:24:04,019
funding for Sydney for example can you

487
00:24:02,160 --> 00:24:05,430
even talk about that oh I don't know too

488
00:24:04,019 --> 00:24:09,210
much about it I'm not I'm not involved

489
00:24:05,430 --> 00:24:11,279
in too much of the grants and Sydney Uni

490
00:24:09,210 --> 00:24:13,650
is it's a pretty successful University

491
00:24:11,279 --> 00:24:16,649
we got a lot of international students

492
00:24:13,650 --> 00:24:18,870
we get a lot of research funding you

493
00:24:16,650 --> 00:24:20,009
know I don't I don't think we can we we

494
00:24:18,869 --> 00:24:22,229
don't see much of a difference between

495
00:24:20,009 --> 00:24:23,490
the different governments and you said

496
00:24:22,230 --> 00:24:24,960
you go around you talk to the various

497
00:24:23,490 --> 00:24:26,190
faculties about what they're doing so

498
00:24:24,960 --> 00:24:27,779
you can communicate that to people

499
00:24:26,190 --> 00:24:29,610

what's the one that's the most difficult

500

00:24:27,779 --> 00:24:30,990

to get across the work they've got not

501

00:24:29,609 --> 00:24:32,490

because it's difficult to understand but

502

00:24:30,990 --> 00:24:33,240

people might not understand why they're

503

00:24:32,490 --> 00:24:35,099

doing it

504

00:24:33,240 --> 00:24:36,930

that's a great question as to I'll give

505

00:24:35,099 --> 00:24:38,789

you one because it's very difficult

506

00:24:36,930 --> 00:24:40,710

which is quantum computing and where

507

00:24:38,789 --> 00:24:42,180

we've it we're right in that there's an

508

00:24:40,710 --> 00:24:43,740

international race on at the moment to

509

00:24:42,180 --> 00:24:45,990

see who can make the world's first

510

00:24:43,740 --> 00:24:47,970

useful good quantum computer and

511

00:24:45,990 --> 00:24:50,309

Sydney's in it Sydney New South Wales

512

00:24:47,970 --> 00:24:52,769

Australia is in that race well and truly

513

00:24:50,309 --> 00:24:55,139

we have a couple of labs at Sydney Uni

514
00:24:52,769 --> 00:24:56,670
that work on that also a lab at UNSW run

515
00:24:55,140 --> 00:24:59,070
by Professor Michele Simmons who's

516
00:24:56,670 --> 00:25:00,960
Australian of the Year she we work with

517
00:24:59,069 --> 00:25:02,579
her they work with us to try and make

518
00:25:00,960 --> 00:25:04,259
quantum computing that it was a problem

519
00:25:02,579 --> 00:25:07,049
someone opens a box and looks at the

520
00:25:04,259 --> 00:25:08,730
computer that stops work it's it's not

521
00:25:07,049 --> 00:25:10,049
too far off that you've got to make an

522
00:25:08,730 --> 00:25:11,220
electron do something but you can't look

523
00:25:10,049 --> 00:25:13,168
at it

524
00:25:11,220 --> 00:25:14,850
yeah so that's incredibly difficult -

525
00:25:13,169 --> 00:25:16,320
very hard to understand it's incredibly

526
00:25:14,849 --> 00:25:18,209
difficult to get that kind of concept

527
00:25:16,319 --> 00:25:20,668
across so how you gonna change the

528
00:25:18,210 --> 00:25:22,470
battery yeah exactly exactly

529
00:25:20,669 --> 00:25:25,409
the other one that's really complicated

530
00:25:22,470 --> 00:25:27,808
and even for researchers is this idea of

531
00:25:25,409 --> 00:25:30,720
climate change like we've got a group at

532
00:25:27,808 --> 00:25:32,308
Sydney units called the integrated

533
00:25:30,720 --> 00:25:33,779
sustainability analysis that's what they

534
00:25:32,308 --> 00:25:36,089
call and they literally go to

535
00:25:33,779 --> 00:25:37,678
conferences telling you that you should

536
00:25:36,089 --> 00:25:38,879
not be at a conference because to get to

537
00:25:37,679 --> 00:25:40,650
that conference you had to fly on a

538
00:25:38,880 --> 00:25:42,240
plane and now you're a tourist and

539
00:25:40,650 --> 00:25:44,100
that's a huge impact that's like a

540
00:25:42,240 --> 00:25:45,779
bigger impact than all of the cars

541
00:25:44,099 --> 00:25:47,969
combined in your country or something

542

00:25:45,779 --> 00:25:50,668
well yes if the numbers are out there

543
00:25:47,970 --> 00:25:53,279
it's it's certainly true but yeah

544
00:25:50,669 --> 00:25:55,650
practically yeah yeah it's it's it's

545
00:25:53,279 --> 00:25:57,928
funny to go to a conference to say we're

546
00:25:55,650 --> 00:25:59,580
all making it worse but they're not

547
00:25:57,929 --> 00:26:01,019
because they're researching it right and

548
00:25:59,579 --> 00:26:03,389
this is a tough argument to make to

549
00:26:01,019 --> 00:26:05,849
people to say we gotta change the way we

550
00:26:03,390 --> 00:26:07,890
live if you and I were to live the way

551
00:26:05,849 --> 00:26:09,569
that everyone on the planet was to live

552
00:26:07,890 --> 00:26:11,580
the way that you and I do well we would

553
00:26:09,569 --> 00:26:14,460
get rid of half of us yes we would need

554
00:26:11,579 --> 00:26:16,710
to have about 30 planets yeah to live

555
00:26:14,460 --> 00:26:18,538
the way that we do right and we don't

556
00:26:16,710 --> 00:26:20,490

have that we've got one and that's a

557

00:26:18,538 --> 00:26:23,940

really tough sell it's enough sell to

558

00:26:20,490 --> 00:26:26,370

say we're using good science to make you

559

00:26:23,940 --> 00:26:28,230

know decisions that hurt us right yeah

560

00:26:26,369 --> 00:26:29,908

we've got to change look this also flows

561

00:26:28,230 --> 00:26:31,259

on to debates like immigration as well

562

00:26:29,909 --> 00:26:33,450

people could abuse that so we look a

563

00:26:31,259 --> 00:26:36,359

strategy is technically full yeah

564

00:26:33,450 --> 00:26:38,038

exactly and in this economic argument

565

00:26:36,359 --> 00:26:39,538

which I'm not even going to get into but

566

00:26:38,038 --> 00:26:40,829

yes so this is things you're grappling

567

00:26:39,538 --> 00:26:42,900

with everyday work you must have a

568

00:26:40,829 --> 00:26:44,609

fascinating job it's it's a pretty good

569

00:26:42,900 --> 00:26:46,500

job and we get a lot of questions from

570

00:26:44,609 --> 00:26:47,908

students because a year you're 11 and 12

571
00:26:46,500 --> 00:26:49,769
students they're they're not afraid to

572
00:26:47,909 --> 00:26:51,270
ask these questions so I've got to be a

573
00:26:49,769 --> 00:26:52,650
cross I've got to know what I'm what I'm

574
00:26:51,269 --> 00:26:54,329
talking about with respect to some of

575
00:26:52,650 --> 00:26:56,669
the questions they're gonna ask and you

576
00:26:54,329 --> 00:26:57,779
give them both sides of what's going on

577
00:26:56,669 --> 00:27:00,179
so they can have a bit of think about

578
00:26:57,779 --> 00:27:03,750
themselves correct it's difficult to

579
00:27:00,179 --> 00:27:06,059
keep opinions out of it sometimes we

580
00:27:03,750 --> 00:27:08,159
talk about the science process a lot

581
00:27:06,058 --> 00:27:10,200
right so predictably explain for example

582
00:27:08,159 --> 00:27:11,970
it's really easy to spot when someone's

583
00:27:10,200 --> 00:27:14,220
not doing science right if they're not

584
00:27:11,970 --> 00:27:15,139
doing predict observe explained then not

585
00:27:14,220 --> 00:27:17,269
doing

586
00:27:15,138 --> 00:27:19,308
certain leaders of the you know of you

587
00:27:17,269 --> 00:27:21,288
know in the world for example ColdFusion

588
00:27:19,308 --> 00:27:23,720
ripping ripping themselves out of the

589
00:27:21,288 --> 00:27:25,519
Paris agreement is not a predictable of

590
00:27:23,720 --> 00:27:27,108
explain discussion exactly it's an

591
00:27:25,519 --> 00:27:28,970
opinion right hmm

592
00:27:27,108 --> 00:27:30,558
but that's that's a but we need to talk

593
00:27:28,970 --> 00:27:32,720
about that because this is affecting us

594
00:27:30,558 --> 00:27:34,038
and we have evidence and we have backing

595
00:27:32,720 --> 00:27:36,499
and we have all of this kind of

596
00:27:34,038 --> 00:27:38,898
conversation about climate conversation

597
00:27:36,499 --> 00:27:40,819
about quantum computing that we need to

598
00:27:38,898 --> 00:27:42,738
be on top of to tell students about it

599

00:27:40,819 --> 00:27:45,138
so they can make the decisions in result

600
00:27:42,739 --> 00:27:46,308
Oh Tom I'm not done not done at all but

601
00:27:45,138 --> 00:27:48,319
you've been talking to us tonight about

602
00:27:46,308 --> 00:27:50,210
music and everything I have been asking

603
00:27:48,319 --> 00:27:52,278
people do you think there's a formula to

604
00:27:50,210 --> 00:27:53,899
popular music that's easy to access to

605
00:27:52,278 --> 00:27:56,628
get a hit song or something like that do

606
00:27:53,898 --> 00:27:58,579
you feel that the scientific formula

607
00:27:56,628 --> 00:28:01,548
that can be applied that go right I've

608
00:27:58,579 --> 00:28:04,158
got a hit song I think Harry is I think

609
00:28:01,548 --> 00:28:07,069
there probably is some songs are

610
00:28:04,159 --> 00:28:08,690
definitely formulaic does anyone come to

611
00:28:07,069 --> 00:28:10,788
mind is their favorite song of yours you

612
00:28:08,690 --> 00:28:13,429
go that's why I like that there's a

613
00:28:10,788 --> 00:28:16,069

great song from the 90s by a band called

614

00:28:13,429 --> 00:28:18,409

custard oh yeah yeah and they had a song

615

00:28:16,069 --> 00:28:20,210

called hit song and they just basically

616

00:28:18,409 --> 00:28:22,190

they're the lyrics where I'm gonna make

617

00:28:20,210 --> 00:28:23,629

me a hit song and I think even the film

618

00:28:22,190 --> 00:28:24,950

clip they've got better-looking people

619

00:28:23,628 --> 00:28:28,908

to be in the film clip for them if I

620

00:28:24,950 --> 00:28:30,409

remember it yeah yeah there are even

621

00:28:28,909 --> 00:28:32,179

songs that call out what's happening

622

00:28:30,409 --> 00:28:35,869

like okay now this is the chorus and the

623

00:28:32,179 --> 00:28:37,879

beat and a drop down and the you know we

624

00:28:35,868 --> 00:28:39,858

have to go for a ride said Fred it would

625

00:28:37,878 --> 00:28:41,839

be a great example anything by the Pet

626

00:28:39,858 --> 00:28:43,699

Shop Boys also another example of stuff

627

00:28:41,839 --> 00:28:45,348

by the numbers yeah but but if you wanna

628
00:28:43,700 --> 00:28:47,869
if you want to you know give people

629
00:28:45,348 --> 00:28:50,960
escape which is what arts is right so

630
00:28:47,868 --> 00:28:52,788
music is escapism in a way you give them

631
00:28:50,960 --> 00:28:55,340
something that they expect so it's it's

632
00:28:52,788 --> 00:28:57,108
verse chorus verse breeds verse chorus

633
00:28:55,339 --> 00:28:59,148
repeat repeat repeat right that's

634
00:28:57,108 --> 00:29:01,158
definitely a formula there do you think

635
00:28:59,148 --> 00:29:03,258
songs that start with the chorus have an

636
00:29:01,159 --> 00:29:04,909
advantage such as dancing queen or

637
00:29:03,259 --> 00:29:06,710
there's no aphrodisiac like loneliness

638
00:29:04,909 --> 00:29:09,049
there's two examples of songs to start

639
00:29:06,710 --> 00:29:14,690
with the chorus that is a great song no

640
00:29:09,048 --> 00:29:15,888
dancing queen oh and the other one I'm

641
00:29:14,690 --> 00:29:17,840
suspecting that maybe that's got

642
00:29:15,888 --> 00:29:19,548
something cuz it bangs in your head from

643
00:29:17,839 --> 00:29:21,678
the get-go what your chorus is well well

644
00:29:19,548 --> 00:29:23,239
maybe it's it's a it's a it's an

645
00:29:21,679 --> 00:29:24,490
adjustment to the theme but the theme is

646
00:29:23,239 --> 00:29:26,470
still there right

647
00:29:24,490 --> 00:29:28,420
so what if you remove all of that you

648
00:29:26,470 --> 00:29:29,380
just end up with this rubbish that you

649
00:29:28,420 --> 00:29:31,539
can hear behind you

650
00:29:29,380 --> 00:29:33,640
or Japanese Noise music which is

651
00:29:31,539 --> 00:29:36,819
literally just noise yeah and that's

652
00:29:33,640 --> 00:29:39,490
removing all of those rules and funnily

653
00:29:36,819 --> 00:29:40,899
enough that's not on the chance that is

654
00:29:39,490 --> 00:29:42,759
fair enough then I played the therm and

655
00:29:40,900 --> 00:29:43,390
tonight for the first time and I really

656

00:29:42,759 --> 00:29:45,369
enjoyed it

657
00:29:43,390 --> 00:29:47,170
Tom won the great things about kids is

658
00:29:45,369 --> 00:29:50,049
they don't know what questions not to

659
00:29:47,170 --> 00:29:53,830
ask exactly so you must get flawed every

660
00:29:50,049 --> 00:29:55,960
day by questions you go yeah I'd tell

661
00:29:53,829 --> 00:29:57,669
kids all the time I tell students too I

662
00:29:55,960 --> 00:29:59,799
love playing a game called confuse a

663
00:29:57,670 --> 00:30:01,509
physicist right you can ask them

664
00:29:59,799 --> 00:30:03,549
fundamental questions and the students

665
00:30:01,509 --> 00:30:06,549
get it but but adults don't right so if

666
00:30:03,549 --> 00:30:07,990
you ask any physicist what is mass right

667
00:30:06,549 --> 00:30:10,240
and the students are like yeah what is

668
00:30:07,990 --> 00:30:12,609
mass you know as adults we know not to

669
00:30:10,240 --> 00:30:16,240
ask that question because I don't know

670
00:30:12,609 --> 00:30:17,649

reason but the students don't so I would

671

00:30:16,240 --> 00:30:19,210

encourage anyone to go and ask a

672

00:30:17,650 --> 00:30:21,430

scientist may decide to say all right

673

00:30:19,210 --> 00:30:24,220

what's mass and the best you'll get is

674

00:30:21,430 --> 00:30:25,660

some hand wavy explanation Wow well it's

675

00:30:24,220 --> 00:30:29,019

this stuff that mess these things are

676

00:30:25,660 --> 00:30:30,700

made of okay what's that we don't know

677

00:30:29,019 --> 00:30:32,980

we don't worry that's what mass is okay

678

00:30:30,700 --> 00:30:36,880

what about what's 95% of the universe

679

00:30:32,980 --> 00:30:38,440

made of hand wavy again we don't know we

680

00:30:36,880 --> 00:30:40,390

literally don't know okay so what about

681

00:30:38,440 --> 00:30:43,390

those you started up with the pulsars

682

00:30:40,390 --> 00:30:44,680

yeah they seem to me like there's some

683

00:30:43,390 --> 00:30:47,640

sort of lighthouses have been put there

684

00:30:44,680 --> 00:30:50,110

by someone for some reason they there's

685
00:30:47,640 --> 00:30:51,850
fixed in space and they're spinning in

686
00:30:50,109 --> 00:30:54,969
space and they don't slow down or speed

687
00:30:51,849 --> 00:30:56,949
up they're very very precise timing

688
00:30:54,970 --> 00:30:58,750
devices and we use them for that right

689
00:30:56,950 --> 00:31:00,279
so we use them to figure out where they

690
00:30:58,750 --> 00:31:02,470
are so that we can then figure out where

691
00:31:00,279 --> 00:31:04,509
other stars are in relation to that well

692
00:31:02,470 --> 00:31:06,039
so really other rate racers might use

693
00:31:04,509 --> 00:31:07,170
them for as well do maybe even put them

694
00:31:06,039 --> 00:31:09,549
there in the first place I would not

695
00:31:07,170 --> 00:31:11,110
just throwing it out there I would not

696
00:31:09,549 --> 00:31:12,879
doubt it if there are other people or

697
00:31:11,109 --> 00:31:15,759
other things around that they would also

698
00:31:12,880 --> 00:31:17,710
use pulsars for that and we use pulses

699
00:31:15,759 --> 00:31:20,519
as timing devices to calibrate our other

700
00:31:17,710 --> 00:31:23,500
timing devices like cesium clocks

701
00:31:20,519 --> 00:31:25,059
and who's your favorite female scientist

702
00:31:23,500 --> 00:31:26,799
again - who you started by talking about

703
00:31:25,059 --> 00:31:28,839
some that have missed out on a gong that

704
00:31:26,799 --> 00:31:30,759
you serve one who's one that would my

705
00:31:28,839 --> 00:31:34,029
favorite is Jocelyn Bell Burnell so she

706
00:31:30,759 --> 00:31:35,379
was the one that discovered pulsars she

707
00:31:34,029 --> 00:31:37,149
didn't get recognized because she was

708
00:31:35,380 --> 00:31:38,530
married to someone at the Union was that

709
00:31:37,150 --> 00:31:40,390
what was the story why didn't she get

710
00:31:38,529 --> 00:31:41,859
hurt so the story is that she wasn't

711
00:31:40,390 --> 00:31:43,990
recognized with the Nobel Prize because

712
00:31:41,859 --> 00:31:47,319
she was a PhD student and PhD students

713

00:31:43,990 --> 00:31:50,559
generally don't get a Nobel Prize now

714
00:31:47,319 --> 00:31:52,960
the research that she did that found the

715
00:31:50,559 --> 00:31:55,419
Pulsar was an appendix to her PhD thesis

716
00:31:52,960 --> 00:31:57,759
so it wasn't even her PhD thesis that

717
00:31:55,420 --> 00:31:59,380
she discovered a pulsar it was something

718
00:31:57,759 --> 00:32:01,869
else and that was the reason given oh

719
00:31:59,380 --> 00:32:04,630
and if your joy division fan the front

720
00:32:01,869 --> 00:32:06,429
cover of the first runners I can't

721
00:32:04,630 --> 00:32:07,810
remember the name of the album Joy

722
00:32:06,430 --> 00:32:09,310
Division I think it's called yes and yep

723
00:32:07,809 --> 00:32:11,710
and it's it bets that's a drawing a

724
00:32:09,309 --> 00:32:12,490
pulsar signals I have I have met Jocelyn

725
00:32:11,710 --> 00:32:14,860
Bell Burnell

726
00:32:12,490 --> 00:32:17,500
recently and she was fascinating to talk

727
00:32:14,859 --> 00:32:19,119

to and she was saying she's not worried

728

00:32:17,500 --> 00:32:20,950

about the Nobel Prize thing because

729

00:32:19,119 --> 00:32:24,189

she's won every other award that's

730

00:32:20,950 --> 00:32:25,569

available so she's kind of got got a lot

731

00:32:24,190 --> 00:32:27,100

of out of not winning the Nobel Prize

732

00:32:25,569 --> 00:32:29,259

because she's won everything else she

733

00:32:27,099 --> 00:32:31,179

recently won a breakthrough science

734

00:32:29,259 --> 00:32:33,430

prize for three million dollars and

735

00:32:31,180 --> 00:32:36,370

donated the entire three million dollars

736

00:32:33,430 --> 00:32:38,230

to increasing diversity in stem which is

737

00:32:36,369 --> 00:32:40,299

fantastic she's a phenomenal human

738

00:32:38,230 --> 00:32:43,269

that's she could have spent a lot of

739

00:32:40,299 --> 00:32:45,669

money on a crappy video done that other

740

00:32:43,269 --> 00:32:48,339

guys you could have to manpower guys out

741

00:32:45,670 --> 00:32:49,900

there and everything did indeed that's a

742
00:32:48,339 --> 00:32:51,519
cool okay now where can we find out more

743
00:32:49,900 --> 00:32:53,380
about what you do what Sydney Uni does

744
00:32:51,519 --> 00:32:55,960
from the website you might be at yes so

745
00:32:53,380 --> 00:32:57,640
I'm on a few places so at Sydney Uni on

746
00:32:55,960 --> 00:32:59,200
the the science communicator I get a lot

747
00:32:57,640 --> 00:33:03,110
of calls about you know

748
00:32:59,200 --> 00:33:04,880
science and physics and stuff and I pop

749
00:33:03,109 --> 00:33:06,619
up around the place in science week I'm

750
00:33:04,880 --> 00:33:08,360
generally you know around it finds you a

751
00:33:06,619 --> 00:33:09,859
fellow podcaster tell us about that

752
00:33:08,359 --> 00:33:12,678
where can we find that correct correct

753
00:33:09,859 --> 00:33:14,750
so I my podcast is called stem Punk it's

754
00:33:12,679 --> 00:33:16,038
me and a couple of other science

755
00:33:14,750 --> 00:33:20,298
communicators we sit down we chat about

756
00:33:16,038 --> 00:33:22,609
science and stem hence my stem t-shirt

757
00:33:20,298 --> 00:33:24,168
and we have trivia nights and live

758
00:33:22,609 --> 00:33:25,908
events and all that sort of stuff

759
00:33:24,169 --> 00:33:27,110
we interview lots of people one of my

760
00:33:25,909 --> 00:33:28,820
favorite people have interviewed is

761
00:33:27,109 --> 00:33:31,908
Brian Schmidt Nobel Prize laureate

762
00:33:28,819 --> 00:33:34,129
Frenchman was my old lecturer also a

763
00:33:31,909 --> 00:33:36,530
Margret Wertheim who is a Sydney Morning

764
00:33:34,130 --> 00:33:38,900
Herald journalist in science she wrote a

765
00:33:36,529 --> 00:33:42,558
book called my thakura's trousers all

766
00:33:38,900 --> 00:33:44,150
about women in science yeah so yeah that

767
00:33:42,558 --> 00:33:45,048
that's that's what I do I'm also on

768
00:33:44,150 --> 00:33:48,950
Twitter

769
00:33:45,048 --> 00:33:50,658
Gordo's is my twitter GOI de a you said

770

00:33:48,950 --> 00:33:51,769
rightlook thank you guys for coming and

771
00:33:50,659 --> 00:33:53,240
talking to us today and it's great and

772
00:33:51,769 --> 00:33:54,619
which people are still making BP crazy

773
00:33:53,240 --> 00:33:55,970
noises I'll just put a few of them on

774
00:33:54,619 --> 00:33:58,928
the tape and it's great meeting it up

775
00:33:55,970 --> 00:33:58,929
thank you so much man

776
00:34:23,809 --> 00:34:29,309
hey fellow skeptics in Medford here with

777
00:34:27,179 --> 00:34:31,260
Celeste reward your friendly host of

778
00:34:29,309 --> 00:34:33,210
starting the strange a podcast that

779
00:34:31,260 --> 00:34:36,450
looks at topics ranging from legends

780
00:34:33,210 --> 00:34:38,398
panics and cryptids 3d myths psychology

781
00:34:36,449 --> 00:34:40,500
and folklore breaking things down and

782
00:34:38,398 --> 00:34:42,690
picking things apart as we skeptics do

783
00:34:40,500 --> 00:34:45,269
we bring a few different perspectives on

784
00:34:42,690 --> 00:34:47,369

things flusher for example is a witty

785

00:34:45,269 --> 00:34:49,769

cartoonist and Ben is a brilliant writer

786

00:34:47,369 --> 00:34:51,449

and longtime skeptical investigator we

787

00:34:49,769 --> 00:34:53,969

don't always agree but we have fun

788

00:34:51,449 --> 00:34:56,219

trying and we learn new things join us

789

00:34:53,969 --> 00:34:58,559

for new topics every week or two or

790

00:34:56,219 --> 00:35:01,230

browse our backlog of evergreen episodes

791

00:34:58,559 --> 00:35:03,599

available on iTunes and all your

792

00:35:01,230 --> 00:35:25,429

podcasts feeding troughs squaring the

793

00:35:03,599 --> 00:35:28,319

strange take care strangers yet another

794

00:35:25,429 --> 00:35:29,969

web page that's been brought to my

795

00:35:28,320 --> 00:35:31,800

attention by highly Robertson from the

796

00:35:29,969 --> 00:35:34,199

Northern Rivers vaccination supporters

797

00:35:31,800 --> 00:35:38,160

this comes from the Australian Medical

798

00:35:34,199 --> 00:35:43,069

Association and it's their position

799
00:35:38,159 --> 00:35:43,069
statement on complimentary medicine 2018

800
00:35:46,280 --> 00:35:53,460
published on the 20th of November 2018

801
00:35:49,400 --> 00:35:55,650
complementary medicine revised 2018 this

802
00:35:53,460 --> 00:35:57,980
document outlines the Australian of

803
00:35:55,650 --> 00:36:01,110
Medical Association's position on

804
00:35:57,980 --> 00:36:02,969
complementary medicine

805
00:36:01,110 --> 00:36:05,920
[Music]

806
00:36:02,969 --> 00:36:08,289
the introduction complimentary medicine

807
00:36:05,920 --> 00:36:10,780
includes a wide range of products and

808
00:36:08,289 --> 00:36:13,029
treatments with therapeutic claims that

809
00:36:10,780 --> 00:36:16,660
are not presently considered to be part

810
00:36:13,030 --> 00:36:19,120
of conventional medicine complementary

811
00:36:16,659 --> 00:36:22,149
medicines include herbal medicines some

812
00:36:19,119 --> 00:36:24,900
vitamin and mineral supplements other

813
00:36:22,150 --> 00:36:27,460
nutritional supplements homeopathic

814
00:36:24,900 --> 00:36:30,039
formulations and traditional medicines

815
00:36:27,460 --> 00:36:32,159
such as Ayurvedic medicines and

816
00:36:30,039 --> 00:36:34,179
traditional Chinese medicines

817
00:36:32,159 --> 00:36:36,670
complementary therapies include

818
00:36:34,179 --> 00:36:40,389
acupuncture chiropractic Osteopathy

819
00:36:36,670 --> 00:36:42,119
naturopathy and meditation in this

820
00:36:40,389 --> 00:36:44,650
position statement the term

821
00:36:42,119 --> 00:36:47,250
complementary medicine refers to both

822
00:36:44,650 --> 00:36:50,110
complementary medicines and therapies

823
00:36:47,250 --> 00:36:52,989
the use of complementary medicine in

824
00:36:50,110 --> 00:36:54,900
Australia is considerable and increasing

825
00:36:52,989 --> 00:36:57,909
the Australian Medical Association

826
00:36:54,900 --> 00:37:00,670
recognizes that evidence-based aspects

827

00:36:57,909 --> 00:37:02,980
of complementary medicine can be part of

828
00:37:00,670 --> 00:37:05,619
patient care by a medical practitioner

829
00:37:02,980 --> 00:37:07,960
there is limited efficacy evidence

830
00:37:05,619 --> 00:37:10,630
regarding most complementary medicine

831
00:37:07,960 --> 00:37:13,360
and some have the potential to cause

832
00:37:10,630 --> 00:37:15,820
adverse reactions or interact with

833
00:37:13,360 --> 00:37:18,340
conventional medicine unproven

834
00:37:15,820 --> 00:37:20,680
complementary medicines and therapies

835
00:37:18,340 --> 00:37:23,610
can also pose a risk to patient health

836
00:37:20,679 --> 00:37:26,949
either directly through misuse or

837
00:37:23,610 --> 00:37:29,650
indirectly if a patient defers seeking

838
00:37:26,949 --> 00:37:31,719
medical advice as an aside that is

839
00:37:29,650 --> 00:37:36,579
certainly the case with something like

840
00:37:31,719 --> 00:37:40,299
homeopathy where the potion itself poses

841
00:37:36,579 --> 00:37:43,269

very little risk but taking it instead

842

00:37:40,300 --> 00:37:46,800

of seeking proper advice does pose risk

843

00:37:43,269 --> 00:37:49,539

we read on consumer investment in

844

00:37:46,800 --> 00:37:52,210

unproven medicines and therapies also

845

00:37:49,539 --> 00:37:55,659

risks patients being unable to afford

846

00:37:52,210 --> 00:37:58,990

necessary evidence-based treatment when

847

00:37:55,659 --> 00:38:01,599

there are out-of-pocket costs children

848

00:37:58,989 --> 00:38:04,179

are a vulnerable population group due to

849

00:38:01,599 --> 00:38:07,059

the complexities of diagnosing and

850

00:38:04,179 --> 00:38:09,730

treating illness in children a medical

851

00:38:07,059 --> 00:38:12,099

practitioner should inform any diagnosis

852

00:38:09,730 --> 00:38:14,039

and ongoing treatment plan including the

853

00:38:12,099 --> 00:38:18,039

use of complementary medicine

854

00:38:14,039 --> 00:38:19,690

research there is a substantial gap

855

00:38:18,039 --> 00:38:22,300

between the use of complementary

856
00:38:19,690 --> 00:38:25,480
medicine and the evidence to support

857
00:38:22,300 --> 00:38:27,519
that use evidence-based scientific

858
00:38:25,480 --> 00:38:30,250
research in the form of randomized

859
00:38:27,519 --> 00:38:32,139
controlled trials is required to

860
00:38:30,250 --> 00:38:34,809
validate complementary medicines and

861
00:38:32,139 --> 00:38:37,750
therapies for efficacy safety quality

862
00:38:34,809 --> 00:38:40,449
and cost effectiveness so that

863
00:38:37,750 --> 00:38:43,510
practitioners and consumers can evaluate

864
00:38:40,449 --> 00:38:46,899
the potential benefits and any adverse

865
00:38:43,510 --> 00:38:48,580
effects funding third party funding

866
00:38:46,900 --> 00:38:50,889
should only provide benefits for

867
00:38:48,579 --> 00:38:53,079
complementary therapies if they are

868
00:38:50,889 --> 00:38:56,829
supported by good quality scientific

869
00:38:53,079 --> 00:38:59,619
evidence of safety and efficacy medical

870
00:38:56,829 --> 00:39:02,079
practitioners medical practitioners

871
00:38:59,619 --> 00:39:03,849
should have access to education about

872
00:39:02,079 --> 00:39:06,549
complementary medicine in their

873
00:39:03,849 --> 00:39:09,329
undergraduate vocational and further

874
00:39:06,550 --> 00:39:12,190
education to provide advice to patients

875
00:39:09,329 --> 00:39:14,079
they should be informed of the level of

876
00:39:12,190 --> 00:39:16,630
scientific evidence for both benefits

877
00:39:14,079 --> 00:39:18,489
and adverse reactions including

878
00:39:16,630 --> 00:39:20,140
potential interactions with other

879
00:39:18,489 --> 00:39:22,659
medicines the Australian Medical

880
00:39:20,139 --> 00:39:24,400
Association recognizes that some medical

881
00:39:22,659 --> 00:39:25,960
practitioners choose to undertake

882
00:39:24,400 --> 00:39:29,019
additional training in complementary

883
00:39:25,960 --> 00:39:30,579
medicines and therapies and include them

884

00:39:29,019 --> 00:39:32,639
as part of their everyday practice

885
00:39:30,579 --> 00:39:35,319
medical practitioners should

886
00:39:32,639 --> 00:39:37,420
specifically ask patients whether they

887
00:39:35,320 --> 00:39:39,610
are using complementary medicines or

888
00:39:37,420 --> 00:39:42,400
therapies in order to appropriately

889
00:39:39,610 --> 00:39:44,829
manage their medical treatment medical

890
00:39:42,400 --> 00:39:46,780
practitioners should be able to explain

891
00:39:44,829 --> 00:39:48,969
the level of evidence for all medicines

892
00:39:46,780 --> 00:39:52,590
and therapies they utilize to help

893
00:39:48,969 --> 00:39:54,579
patients make an informed choice it is

894
00:39:52,590 --> 00:39:57,809
acknowledged that some medical

895
00:39:54,579 --> 00:40:00,909
treatments have a low level of evidence

896
00:39:57,809 --> 00:40:02,710
consumers consumers should have access

897
00:40:00,909 --> 00:40:04,599
to accurate information and and

898
00:40:02,710 --> 00:40:06,400

education about the level of evidence

899

00:40:04,599 --> 00:40:08,309

for complementary medicines and

900

00:40:06,400 --> 00:40:11,470

therapies in order to make well-informed

901

00:40:08,309 --> 00:40:14,409

choices this should include the risks

902

00:40:11,469 --> 00:40:17,349

and costs of delaying conventional

903

00:40:14,409 --> 00:40:19,599

treatment consumers should also be made

904

00:40:17,349 --> 00:40:22,089

aware of the potential financial impact

905

00:40:19,599 --> 00:40:24,519

of diverting their income from

906

00:40:22,090 --> 00:40:26,329

evidence-based treatment in favor of

907

00:40:24,519 --> 00:40:29,719

unproven alternative med

908

00:40:26,329 --> 00:40:32,119

and therapies consumer information and

909

00:40:29,719 --> 00:40:34,969

education should stress the importance

910

00:40:32,119 --> 00:40:37,250

of continuing to consult medical

911

00:40:34,969 --> 00:40:40,009

practitioners in relation to medical

912

00:40:37,250 --> 00:40:42,230

conditions and health concerns it is

913
00:40:40,010 --> 00:40:43,760
important that patients inform their

914
00:40:42,230 --> 00:40:45,860
medical practitioner about any

915
00:40:43,760 --> 00:40:50,920
complementary medicines or therapies

916
00:40:45,860 --> 00:40:53,630
they are using regulation of medicines

917
00:40:50,920 --> 00:40:56,300
the majority of complementary medicines

918
00:40:53,630 --> 00:40:58,640
do not meet the same standard of safety

919
00:40:56,300 --> 00:41:01,730
quality and efficacy as mainstream

920
00:40:58,639 --> 00:41:04,219
medicines as they are not rigorously

921
00:41:01,730 --> 00:41:06,500
tested information about the level of

922
00:41:04,219 --> 00:41:08,319
testing and evidence should be easily

923
00:41:06,500 --> 00:41:11,000
accessible by medical practitioners

924
00:41:08,320 --> 00:41:13,039
consumers and complementary medicine

925
00:41:11,000 --> 00:41:16,309
practitioners in the absence of

926
00:41:13,039 --> 00:41:18,920
sufficient efficacy data it is essential

927
00:41:16,309 --> 00:41:21,440
that there be clear and true statements

928
00:41:18,920 --> 00:41:23,809
regarding the efficacy and standards of

929
00:41:21,440 --> 00:41:26,659
evidence relied on including accurate

930
00:41:23,809 --> 00:41:30,039
labeling government agencies such as the

931
00:41:26,659 --> 00:41:32,480
Therapeutic Goods Administration TGA and

932
00:41:30,039 --> 00:41:34,550
educational bodies such as the National

933
00:41:32,480 --> 00:41:37,400
prescribing service should ensure

934
00:41:34,550 --> 00:41:39,890
information on safety quality efficacy

935
00:41:37,400 --> 00:41:42,110
and cost-effectiveness of complementary

936
00:41:39,889 --> 00:41:44,769
medicines is readily available to

937
00:41:42,110 --> 00:41:47,090
consumers and health practitioners

938
00:41:44,769 --> 00:41:50,210
consumers and health practitioners

939
00:41:47,090 --> 00:41:53,210
should ensure they promptly report any

940
00:41:50,210 --> 00:41:57,679
adverse events they suspect are caused

941

00:41:53,210 --> 00:42:00,170
by complementary medicine to the TGA the

942
00:41:57,679 --> 00:42:03,919
Australian Medical Association supports

943
00:42:00,170 --> 00:42:08,180
the TGA x' public database of medicine

944
00:42:03,920 --> 00:42:10,700
adverse events notifications regulation

945
00:42:08,179 --> 00:42:13,009
of practitioners there should be

946
00:42:10,699 --> 00:42:14,629
appropriate regulation of complementary

947
00:42:13,010 --> 00:42:17,500
medicine practitioners and their

948
00:42:14,630 --> 00:42:19,730
activities regulations should ensure

949
00:42:17,500 --> 00:42:22,820
complementary medicine practitioners

950
00:42:19,730 --> 00:42:25,969
cannot claim expertise beyond their

951
00:42:22,820 --> 00:42:28,370
scope of practice complementary medicine

952
00:42:25,969 --> 00:42:31,279
practitioners should not claim to be

953
00:42:28,369 --> 00:42:34,099
able to make a diagnosis of illness for

954
00:42:31,280 --> 00:42:36,710
people that the medical profession does

955
00:42:34,099 --> 00:42:41,170

not believe are suffering from a medical

956

00:42:36,710 --> 00:42:43,099
condition registered health

957

00:42:41,170 --> 00:42:45,110
registration of health disciplines

958

00:42:43,099 --> 00:42:47,360
through the process of state or

959

00:42:45,110 --> 00:42:51,320
territory registration should be

960

00:42:47,360 --> 00:42:53,570
dependent on a the discipline being

961

00:42:51,320 --> 00:42:57,610
supported by accepted scientific

962

00:42:53,570 --> 00:43:00,110
evidence or safety and efficacy and B

963

00:42:57,610 --> 00:43:03,099
registrants completing an approved

964

00:43:00,110 --> 00:43:06,950
course of training at an accredited

965

00:43:03,099 --> 00:43:09,259
institution registered health

966

00:43:06,949 --> 00:43:11,269
practitioners must not depart from the

967

00:43:09,260 --> 00:43:14,390
scope of practice regulated by the

968

00:43:11,269 --> 00:43:16,400
relevant registration board non

969

00:43:14,389 --> 00:43:19,159
registered health and complementary

970
00:43:16,400 --> 00:43:21,500
medicine practitioners there must be

971
00:43:19,159 --> 00:43:24,139
effective regulation of health and

972
00:43:21,500 --> 00:43:25,670
complementary medicine practitioners for

973
00:43:24,139 --> 00:43:28,579
whom there is no state-based

974
00:43:25,670 --> 00:43:30,289
registration arrangement the Australian

975
00:43:28,579 --> 00:43:32,900
Medical Association supports the

976
00:43:30,289 --> 00:43:35,269
National Code of Conduct for health care

977
00:43:32,900 --> 00:43:37,639
workers provided by the Council of

978
00:43:35,269 --> 00:43:40,130
Australian governments and enacted in

979
00:43:37,639 --> 00:43:42,230
law in each state and territory the

980
00:43:40,130 --> 00:43:43,730
national code requires non registered

981
00:43:42,230 --> 00:43:45,469
health and complementary medicine

982
00:43:43,730 --> 00:43:48,230
practitioners to observe a code of

983
00:43:45,469 --> 00:43:50,839
practice including that they must not

984
00:43:48,230 --> 00:43:53,750
provide care that is outside their

985
00:43:50,840 --> 00:43:56,480
experience or training it provides a

986
00:43:53,750 --> 00:43:58,789
mechanism to apply sanctions for

987
00:43:56,480 --> 00:44:01,250
breaching the code including a ban on

988
00:43:58,789 --> 00:44:04,360
practice as well as mutual recognition

989
00:44:01,250 --> 00:44:07,099
of prohibition orders across Australia

990
00:44:04,360 --> 00:44:09,289
the Australian Medical Association also

991
00:44:07,099 --> 00:44:12,110
supports the establishment of a national

992
00:44:09,289 --> 00:44:14,360
public register of non registered health

993
00:44:12,110 --> 00:44:17,360
and complementary medicine practitioners

994
00:44:14,360 --> 00:44:19,370
who are subject of a banning order in

995
00:44:17,360 --> 00:44:21,260
their state or territory to assist

996
00:44:19,369 --> 00:44:24,289
employers and the general public

997
00:44:21,260 --> 00:44:28,150
identify unethical and incompetent

998

00:44:24,289 --> 00:44:30,259
practitioners misleading use of titles

999
00:44:28,150 --> 00:44:33,680
non-medical health and complementary

1000
00:44:30,260 --> 00:44:38,420
medicine practitioners should not use

1001
00:44:33,679 --> 00:44:42,529
the title doctor or dr unless such

1002
00:44:38,420 --> 00:44:45,139
persons a possess a doctorate recognised

1003
00:44:42,530 --> 00:44:46,970
by the appropriate registration board in

1004
00:44:45,139 --> 00:44:51,619
the state or territory in which they

1005
00:44:46,969 --> 00:44:53,809
practice and be ensure that their use of

1006
00:44:51,619 --> 00:44:56,329
the title is always accompanied

1007
00:44:53,809 --> 00:45:00,170
by information confirming that they are

1008
00:44:56,329 --> 00:45:02,929
not medical practitioners non-medical

1009
00:45:00,170 --> 00:45:07,340
health practitioners should not use the

1010
00:45:02,929 --> 00:45:09,889
titles surgeon or physician unless they

1011
00:45:07,340 --> 00:45:12,500
are a registered of the Medical Board of

1012
00:45:09,889 --> 00:45:14,389

Australia use of these titles by

1013

00:45:12,500 --> 00:45:17,030

non-medical healthcare practitioners

1014

00:45:14,389 --> 00:45:18,529

carries significant risk that members of

1015

00:45:17,030 --> 00:45:21,560

the public will believe they are

1016

00:45:18,530 --> 00:45:24,320

consulting a medical practitioner when

1017

00:45:21,559 --> 00:45:27,349

they are not and as an aside I've

1018

00:45:24,320 --> 00:45:29,990

certainly seen cases along these lines

1019

00:45:27,349 --> 00:45:33,909

where people are under the impression

1020

00:45:29,989 --> 00:45:36,889

they are consulting real health

1021

00:45:33,909 --> 00:45:39,799

practitioners real medically trained

1022

00:45:36,889 --> 00:45:42,879

health practitioners when they're not we

1023

00:45:39,800 --> 00:45:45,530

read on regulation of advertising

1024

00:45:42,880 --> 00:45:47,720

advertising of services by complementary

1025

00:45:45,530 --> 00:45:50,140

medicine practitioners must not claim

1026

00:45:47,719 --> 00:45:52,909

expertise in medical diagnosis and

1027
00:45:50,139 --> 00:45:55,400
treatment nor should they attempt to

1028
00:45:52,909 --> 00:45:58,429
dissuade patients from seeking the

1029
00:45:55,400 --> 00:46:00,590
advice of medical practitioners well I

1030
00:45:58,429 --> 00:46:03,969
keep interrupting myself but there have

1031
00:46:00,590 --> 00:46:07,400
been cases where these complementary

1032
00:46:03,969 --> 00:46:10,099
medicine practitioners will dissuade

1033
00:46:07,400 --> 00:46:12,740
people from seeking real advice from

1034
00:46:10,099 --> 00:46:15,259
doctors because they implant the idea

1035
00:46:12,739 --> 00:46:18,079
that doctors are part of the global

1036
00:46:15,260 --> 00:46:20,600
conspiracy or they're only in it for the

1037
00:46:18,079 --> 00:46:21,699
money your doctors make you ill and on

1038
00:46:20,599 --> 00:46:25,309
it goes

1039
00:46:21,699 --> 00:46:29,629
direct to consumer advertising must not

1040
00:46:25,309 --> 00:46:31,579
a exploit patients vulnerability or lack

1041
00:46:29,630 --> 00:46:35,660
of medical or health related knowledge

1042
00:46:31,579 --> 00:46:38,299
be attempt to induce unjustified fear or

1043
00:46:35,659 --> 00:46:40,579
concern in patients consumers regarding

1044
00:46:38,300 --> 00:46:43,610
their own health in order to increase

1045
00:46:40,579 --> 00:46:46,849
demand for the advertisers products or

1046
00:46:43,610 --> 00:46:49,700
services see encourage inappropriate

1047
00:46:46,849 --> 00:46:52,429
self diagnosis or treatment or in any

1048
00:46:49,699 --> 00:46:55,219
way discourage patients from seeking the

1049
00:46:52,429 --> 00:46:57,859
advice from their medical practitioner d

1050
00:46:55,219 --> 00:47:00,559
attempted to promote an unreasonable

1051
00:46:57,860 --> 00:47:03,079
expectation as to the applicability or

1052
00:47:00,559 --> 00:47:05,900
efficacy of the advertised product or

1053
00:47:03,079 --> 00:47:07,469
service e create inappropriate use of

1054
00:47:05,900 --> 00:47:12,599
goods or services

1055

00:47:07,469 --> 00:47:16,679
F make unsubstantiated claims or G be

1056
00:47:12,599 --> 00:47:19,110
false misleading or deceptive a sponsor

1057
00:47:16,679 --> 00:47:22,019
making a therapeutic claim about food

1058
00:47:19,110 --> 00:47:25,160
should also be required to seek the same

1059
00:47:22,019 --> 00:47:28,559
advertising approval as for other

1060
00:47:25,159 --> 00:47:29,909
therapeutic products mechanisms for

1061
00:47:28,559 --> 00:47:35,360
making complaints about advertising

1062
00:47:29,909 --> 00:47:35,359
should be robust and penalties enforced

1063
00:47:37,460 --> 00:47:42,929
and that was the Australian Medical

1064
00:47:40,829 --> 00:47:47,190
Association's position statement on

1065
00:47:42,929 --> 00:47:49,169
complementary medicine 2018 and as ever

1066
00:47:47,190 --> 00:47:51,590
there will be a link in this week's show

1067
00:47:49,170 --> 00:47:51,590
notes

1068
00:47:53,079 --> 00:48:14,789
[Music]

1069
00:48:11,769 --> 00:48:16,679

[Applause]

1070

00:48:14,789 --> 00:48:18,389

thank you for listening to the skeptics

1071

00:48:16,679 --> 00:48:21,149

and I'm still hanging out here on Market

1072

00:48:18,389 --> 00:48:22,469

Street enjoying the passing parade of

1073

00:48:21,150 --> 00:48:26,660

people doing their Christmas shopping

1074

00:48:22,469 --> 00:48:26,659

and enjoying some Street entertainment

1075

00:48:27,869 --> 00:48:32,730

thank you to everybody who's stuck with

1076

00:48:30,389 --> 00:48:35,159

the skeptic son now for 10 years if

1077

00:48:32,730 --> 00:48:37,079

you're new thank you for listening thank

1078

00:48:35,159 --> 00:48:39,269

you a big thank you to those people who

1079

00:48:37,079 --> 00:48:42,929

subscribed by patreon or PayPal at

1080

00:48:39,269 --> 00:48:46,110

skeptics and TV and long-term listeners

1081

00:48:42,929 --> 00:48:48,059

will know without those contributions

1082

00:48:46,110 --> 00:48:50,640

without contributions from people like

1083

00:48:48,059 --> 00:48:51,449

you five dollars a month ten dollars a

1084
00:48:50,639 --> 00:48:53,699
month or whatever

1085
00:48:51,449 --> 00:48:56,339
there simply would be no skeptics own

1086
00:48:53,699 --> 00:48:58,710
and thank you to the people who go over

1087
00:48:56,340 --> 00:49:00,750
to Mina comdataís you to listen the

1088
00:48:58,710 --> 00:49:05,130
Maenads podcasts bunga bunga and other

1089
00:49:00,750 --> 00:49:07,769
podcasts and a reminder the free the

1090
00:49:05,130 --> 00:49:11,070
free 20 19 may not calendar is available

1091
00:49:07,769 --> 00:49:14,960
Maina comdataís you thank you to all the

1092
00:49:11,070 --> 00:49:14,960
people who support both our podcasts

1093
00:49:15,369 --> 00:49:21,579
and this is almost the last show for

1094
00:49:17,500 --> 00:49:23,980
2018 one water sneak in before 2019

1095
00:49:21,579 --> 00:49:25,900
comes around and next week I'll be

1096
00:49:23,980 --> 00:49:27,789
having a commentary about predictions

1097
00:49:25,900 --> 00:49:28,650
and the future and new age and all that

1098
00:49:27,789 --> 00:49:32,980
sort of stuff

1099
00:49:28,650 --> 00:49:35,440
but for this week from a very nice

1100
00:49:32,980 --> 00:49:38,579
wintry San Francisco this is Richard

1101
00:49:35,440 --> 00:49:38,579
Saunders signing off

1102
00:49:42,190 --> 00:49:47,619
you've been listening to the skeptic

1103
00:49:44,719 --> 00:49:54,319
zone podcast please visit our website at

1104
00:49:47,619 --> 00:49:57,820
wwlp.com tax and to access the bat

1105
00:49:54,320 --> 00:50:00,470
catalog of episodes going back to 2008

1106
00:49:57,820 --> 00:50:03,769
you can follow the skeptic zone podcast

1107
00:50:00,469 --> 00:50:06,049
on twitter at skeptic zone visit our

1108
00:50:03,769 --> 00:50:09,409
facebook page or leave a review on

1109
00:50:06,050 --> 00:50:12,769
itunes you can also support the skeptic

1110
00:50:09,409 --> 00:50:15,139
zone via patreon or PayPal the skeptic

1111
00:50:12,769 --> 00:50:17,090
zone podcast is an independent

1112

00:50:15,139 --> 00:50:19,279
production reviews and opinions

1113
00:50:17,090 --> 00:50:21,440
expressed on the skeptic zone are not

1114
00:50:19,280 --> 00:50:24,370
necessarily those of Australian skeptics

1115
00:50:21,440 --> 00:50:30,659
or any other skeptical organisation

1116
00:50:24,369 --> 00:50:30,659
[Music]

1117
00:50:37,980 --> 00:50:45,818
I'm here to San Francisco's famous pier

1118
00:50:41,380 --> 00:50:49,358
39 and there are about 4 200 sea lines

1119
00:50:45,818 --> 00:50:50,920
basking out here on pontoons and for the

1120
00:50:49,358 --> 00:50:55,328
first time in a long time there are more

1121
00:50:50,920 --> 00:50:57,369
sea lines here than tourists I'm sitting

1122
00:50:55,329 --> 00:51:00,280
on a sort of large wooden viewing

1123
00:50:57,369 --> 00:51:02,769
platform and I couldn't think of a

1124
00:51:00,280 --> 00:51:06,609
better place to play this week's dice

1125
00:51:02,769 --> 00:51:08,259
game we have a 10 sided down with me I'm

1126
00:51:06,608 --> 00:51:10,150

gonna roll it three times and I'm gonna

1127

00:51:08,260 --> 00:51:14,880

see if skeptics earnestness come use

1128

00:51:10,150 --> 00:51:18,389

their psychic predicting power so

1129

00:51:14,880 --> 00:51:23,039

everybody think of a number from

1130

00:51:18,389 --> 00:51:26,150

1 to 10 thinking maybe the sea lions are

1131

00:51:23,039 --> 00:51:26,150

- here we go first roll

1132

00:51:27,300 --> 00:51:31,010

first number seven

1133

00:51:31,389 --> 00:51:35,409

we can give another number or the same

1134

00:51:33,519 --> 00:51:37,650

number if you wish here we go rolling it

1135

00:51:35,409 --> 00:51:37,649

again

1136

00:51:39,389 --> 00:51:45,369

scum up six so seven and six

1137

00:51:43,210 --> 00:51:51,730

use your predicting power one more time

1138

00:51:45,369 --> 00:51:56,589

here we go nearly nearly fell off the

1139

00:51:51,730 --> 00:52:02,230

platform it's a nine seven six and nine

1140

00:51:56,590 --> 00:52:05,250

as I go back to looking at the the see

1141

00:52:02,230 --> 00:52:05,250

lines in there chorus