

1
00:00:00,000 --> 00:00:09,089
[Music]

2
00:00:06,000 --> 00:00:11,839
welcome to the skeptic zone the podcast

3
00:00:09,089 --> 00:00:13,919
from Australia for science and reason

4
00:00:11,839 --> 00:00:16,850
[Music]

5
00:00:13,919 --> 00:00:23,259
[Applause]

6
00:00:16,850 --> 00:00:25,880
[Music]

7
00:00:23,259 --> 00:00:30,489
yes it's the skeptic zone podcast

8
00:00:25,879 --> 00:00:32,899
episode number 495 for the 15th of April

9
00:00:30,489 --> 00:00:34,009
2018 which had Saunders here with you

10
00:00:32,899 --> 00:00:37,670
from Sydney Australia

11
00:00:34,009 --> 00:00:40,189
bushfires fires around Sydney I can see

12
00:00:37,670 --> 00:00:42,050
the smoke out of the sceptic zone window

13
00:00:40,189 --> 00:00:44,209
it's a bushfire emergency right now

14
00:00:42,049 --> 00:00:46,819
we've had record-breaking temperatures

15
00:00:44,210 --> 00:00:50,268
this April today's a bit cooler

16
00:00:46,820 --> 00:00:53,570
ironically enough but there are worrying

17
00:00:50,268 --> 00:00:55,338
bushfires about but apart from the bush

18
00:00:53,570 --> 00:00:57,198
fires what's coming up on this week's

19
00:00:55,338 --> 00:01:00,079
show we're gonna start with Maynard

20
00:00:57,198 --> 00:01:02,210
spooky action Maynard was being

21
00:01:00,079 --> 00:01:04,879
particularly spooky yesterday in Sydney

22
00:01:02,210 --> 00:01:08,509
where he joined the March for science

23
00:01:04,879 --> 00:01:11,180
together with a gaggle of sceptics and a

24
00:01:08,509 --> 00:01:14,930
modest crowd I must admit this year

25
00:01:11,180 --> 00:01:16,579
anyway very interesting speakers and we

26
00:01:14,930 --> 00:01:18,770
marched through the streets of Sydney

27
00:01:16,578 --> 00:01:22,129
into Hyde Park marching for science

28
00:01:18,769 --> 00:01:24,319
interviews and some highlights from some

29

00:01:22,129 --> 00:01:27,310
of the talks and little snippets coming

30
00:01:24,319 --> 00:01:30,158
up with Maenads spooky action then a

31
00:01:27,310 --> 00:01:33,049
very nice and short message from the

32
00:01:30,159 --> 00:01:37,430
squaring the strange podcast Thank You

33
00:01:33,049 --> 00:01:40,370
Celestia for organizing that and they're

34
00:01:37,430 --> 00:01:44,960
celebrating one year of podcasting hey

35
00:01:40,370 --> 00:01:47,390
Ben and Pasquale only and Silesia only

36
00:01:44,959 --> 00:01:51,109
nine more years to go and you'll catch

37
00:01:47,390 --> 00:01:55,069
up to the sceptic zone good luck then we

38
00:01:51,109 --> 00:01:58,219
have something which is unusual for the

39
00:01:55,069 --> 00:02:00,949
skeptics own different I guess it's hard

40
00:01:58,219 --> 00:02:02,658
to say last week you will recall we

41
00:02:00,950 --> 00:02:04,159
brought you the story of the naturopath

42
00:02:02,659 --> 00:02:07,969
who's been sent to prison for at least

43
00:02:04,159 --> 00:02:15,230

seven months for her part in advising a

44

00:02:07,969 --> 00:02:19,219

mother to go on a raw diet which gravely

45

00:02:15,229 --> 00:02:20,628

affected her her son now the mother was

46

00:02:19,219 --> 00:02:23,719

breastfeeding at the time the son was

47

00:02:20,628 --> 00:02:25,909

very young a baby and this had very bad

48

00:02:23,719 --> 00:02:28,848

effects on the baby who lost a lot of

49

00:02:25,909 --> 00:02:30,859

weight and was only days away from death

50

00:02:28,848 --> 00:02:34,099

when his mother finally

51

00:02:30,860 --> 00:02:39,140

took the son to a GP and we told you

52

00:02:34,099 --> 00:02:41,599

that the naturopath Maryland bottner as

53

00:02:39,139 --> 00:02:45,319

we speak is already into her first week

54

00:02:41,599 --> 00:02:48,710

of her sentence at prison time well I'm

55

00:02:45,319 --> 00:02:50,900

going to read out the judges remarks in

56

00:02:48,710 --> 00:02:52,250

sentencing now these remarks are of

57

00:02:50,900 --> 00:02:53,750

public record of course and it was

58
00:02:52,250 --> 00:02:56,719
brought to my attention by our reporter

59
00:02:53,750 --> 00:02:59,539
Haley Robinson from the North Northern

60
00:02:56,719 --> 00:03:02,750
Rivers vaccination supporters and I read

61
00:02:59,539 --> 00:03:04,519
this determination or their remarks from

62
00:03:02,750 --> 00:03:06,889
the judge and I thought it was so

63
00:03:04,520 --> 00:03:08,989
interesting and so insightful that I'm

64
00:03:06,889 --> 00:03:12,649
reading it out to you today later on in

65
00:03:08,989 --> 00:03:14,330
the show you can see some of the the

66
00:03:12,650 --> 00:03:17,689
facts behind this case some of the

67
00:03:14,330 --> 00:03:19,870
thinking the judge would have had to or

68
00:03:17,689 --> 00:03:22,939
his thoughts and considering the the

69
00:03:19,870 --> 00:03:25,430
sentence that he ultimately imposed and

70
00:03:22,939 --> 00:03:27,199
again as I said last week this is a

71
00:03:25,430 --> 00:03:30,110
strong hopefully a strong message of

72
00:03:27,199 --> 00:03:32,060
warning to so-called natural therapists

73
00:03:30,110 --> 00:03:35,239
out there and apart from anything else I

74
00:03:32,060 --> 00:03:39,560
hope it gives you a window a look inside

75
00:03:35,239 --> 00:03:40,939
the New South Wales justice system well

76
00:03:39,560 --> 00:03:42,409
that's enough for me right now a short

77
00:03:40,939 --> 00:03:44,539
introduction this week I'm gonna run

78
00:03:42,409 --> 00:03:46,519
downstairs and have a peanut butter and

79
00:03:44,539 --> 00:03:49,250
honey sandwich peanut butter and honey

80
00:03:46,519 --> 00:03:50,599
sandwich I shouldn't eat so many peanut

81
00:03:49,250 --> 00:03:54,860
butter and honey sandwiches folks ah

82
00:03:50,599 --> 00:03:57,400
that they're so good will I do that I

83
00:03:54,860 --> 00:04:08,529
hope you enjoy the skeptic zone

84
00:03:57,400 --> 00:04:08,528
[Music]

85
00:04:08,919 --> 00:04:15,839
his main art spooky action at a distance

86

00:04:17,139 --> 00:04:21,459
hiya main out here it's the mass for

87
00:04:19,209 --> 00:04:23,800
science 2018 this is where we go and

88
00:04:21,459 --> 00:04:25,598
look at science we go wow what's that

89
00:04:23,800 --> 00:04:28,210
what's happening there who's that

90
00:04:25,598 --> 00:04:30,998
why is that and we'll be examining that

91
00:04:28,209 --> 00:04:34,109
Hall here in Martin Place in the Sydney

92
00:04:30,999 --> 00:04:34,110
master science

93
00:04:34,220 --> 00:04:38,090
well I'm just gonna have a wander around

94
00:04:36,350 --> 00:04:39,230
here to see what's going on okay here we

95
00:04:38,089 --> 00:04:42,289
go running running running running

96
00:04:39,230 --> 00:04:44,090
running honey another thing there is a

97
00:04:42,290 --> 00:04:46,819
person with a hat guy with a P hat

98
00:04:44,089 --> 00:04:49,310
person who's got a degree and a whole

99
00:04:46,819 --> 00:04:51,290
bunch of people here look there's people

100
00:04:49,310 --> 00:04:53,899

here have a rainbow thing going on

101

00:04:51,290 --> 00:04:57,319

waving now I have no credibility because

102

00:04:53,899 --> 00:05:00,199

obviously I didn't go university and I

103

00:04:57,319 --> 00:05:03,170

go back here and there's people thinking

104

00:05:00,199 --> 00:05:05,180

with coffee and he's a monument which

105

00:05:03,170 --> 00:05:07,759

actually represents the Barry Manilow

106

00:05:05,180 --> 00:05:09,889

release of I can't smile without you

107

00:05:07,759 --> 00:05:14,149

it's fantastic and I'm walking around

108

00:05:09,889 --> 00:05:15,919

here over here look science has solution

109

00:05:14,149 --> 00:05:19,039

is what's going on there there's a hat

110

00:05:15,920 --> 00:05:22,490

hat hat shorts a few things here so

111

00:05:19,040 --> 00:05:24,890

normally I could maybe sit here but

112

00:05:22,490 --> 00:05:27,920

unfortunately I never went to university

113

00:05:24,889 --> 00:05:29,899

you have to get up and one around

114

00:05:27,920 --> 00:05:33,530

excuse me may not hear from the sceptic

115
00:05:29,899 --> 00:05:34,939
zone I know some yeah okay I'm standing

116
00:05:33,529 --> 00:05:37,219
next to someone who actually knows what

117
00:05:34,939 --> 00:05:38,750
the table of elements means what are you

118
00:05:37,220 --> 00:05:41,510
studying at the moment occupational

119
00:05:38,750 --> 00:05:44,360
therapy okay now what's your favorite

120
00:05:41,509 --> 00:05:45,789
element my element is surprise what's

121
00:05:44,360 --> 00:05:49,310
yours

122
00:05:45,790 --> 00:05:51,800
gallium on one of the wacky ones exists

123
00:05:49,310 --> 00:05:54,980
for about three seconds in a NASA good

124
00:05:51,800 --> 00:06:04,040
carbon carbon she's a carbon fan thank

125
00:05:54,980 --> 00:06:05,390
you very much stand up move in towards

126
00:06:04,040 --> 00:06:09,319
the middle here because we are about to

127
00:06:05,389 --> 00:06:12,529
commence our proceedings for the day can

128
00:06:09,319 --> 00:06:21,529
I welcome you one and all on yet another

129

00:06:12,529 --> 00:06:24,049

record breaking Sydney for the 2018 my

130

00:06:21,529 --> 00:06:25,939

name is Adam Spencer on throat - Bering

131

00:06:24,050 --> 00:06:27,379

Sea here today let's start with a

132

00:06:25,939 --> 00:06:28,639

massive round of applause for me because

133

00:06:27,379 --> 00:06:33,920

I'm pretty awesome just to warm you up

134

00:06:28,639 --> 00:06:35,360

yes there you go we've got a few

135

00:06:33,920 --> 00:06:37,490

speeches before we will walk through

136

00:06:35,360 --> 00:06:38,990

this beautiful city of ours but first of

137

00:06:37,490 --> 00:06:41,569

all to welcome us all to country please

138

00:06:38,990 --> 00:06:46,670

welcome to the stage the wonderful uncle

139

00:06:41,569 --> 00:06:49,459

Alan Madden thank you once again my name

140

00:06:46,670 --> 00:06:50,180

is our moment catechol elder for my

141

00:06:49,459 --> 00:06:52,829

first song

142

00:06:50,180 --> 00:06:56,069

[Music]

143

00:06:52,829 --> 00:06:58,229
how he can run the be short time today's

144
00:06:56,069 --> 00:06:59,909
short this week and to the point

145
00:06:58,230 --> 00:07:03,530
it's always an honor and pleasure to

146
00:06:59,910 --> 00:07:08,220
lock one nor one and all the country

147
00:07:03,529 --> 00:07:09,449
where we are today is gadigal first of

148
00:07:08,220 --> 00:07:12,540
all I'd like to acknowledge our

149
00:07:09,449 --> 00:07:15,870
Aboriginal elders or elders past and

150
00:07:12,540 --> 00:07:17,610
present and pay our respects to all our

151
00:07:15,870 --> 00:07:20,490
Aboriginal and Torres Strait Islander

152
00:07:17,610 --> 00:07:22,800
brothers and sisters from whatever

153
00:07:20,490 --> 00:07:26,639
Aboriginal island nation you may have

154
00:07:22,800 --> 00:07:28,829
come from welcome to get eagle at all

155
00:07:26,639 --> 00:07:31,649
them non-indigenous brothers and sisters

156
00:07:28,829 --> 00:07:34,919
either day are very warm and sincere

157
00:07:31,649 --> 00:07:37,529

welcome to you at the gadigal no matter

158

00:07:34,920 --> 00:07:39,840

where you've come from so I went and

159

00:07:37,529 --> 00:07:40,709

with this story if any of you bid

160

00:07:39,839 --> 00:07:44,099

Cinderella

161

00:07:40,709 --> 00:07:46,109

it is a heart-wrenching story but

162

00:07:44,100 --> 00:07:48,810

there's lots we can learn about it and I

163

00:07:46,110 --> 00:07:52,560

think in some ways science is the new

164

00:07:48,810 --> 00:07:54,990

Cinderella did you know Cinderella was

165

00:07:52,560 --> 00:07:59,540

called Cinderella because she slept in

166

00:07:54,990 --> 00:08:03,990

the ashes in the cinders and she was

167

00:07:59,540 --> 00:08:07,800

living in the coal powered fireplace do

168

00:08:03,990 --> 00:08:11,129

you worry that our country Australia is

169

00:08:07,800 --> 00:08:14,139

covered in ashes and that we should be

170

00:08:11,129 --> 00:08:21,728

cleaning it out and closing down

171

00:08:14,139 --> 00:08:24,158

vision : fire stations and over Adri

172
00:08:21,728 --> 00:08:26,589
background in my search I learned that

173
00:08:24,158 --> 00:08:29,050
there's a great celestial aim you called

174
00:08:26,589 --> 00:08:31,089
you command in our entry language that

175
00:08:29,050 --> 00:08:33,700
indicates when a new eggs are available

176
00:08:31,089 --> 00:08:36,728
and ready to go collect there are also

177
00:08:33,700 --> 00:08:37,959
stars that show seasonal change as well

178
00:08:36,729 --> 00:08:40,599
as that and one of the most amazing

179
00:08:37,958 --> 00:08:41,679
things that I found was starved songs or

180
00:08:40,599 --> 00:08:43,899
was sold I'm sorry

181
00:08:41,679 --> 00:08:45,939
pods in the sky that show you the way on

182
00:08:43,899 --> 00:08:48,820
the ground that are now used in the New

183
00:08:45,940 --> 00:08:50,709
South Wales highway system now people

184
00:08:48,820 --> 00:08:52,899
often think that Aboriginal astronomy is

185
00:08:50,708 --> 00:08:55,569
just a bunch of star stories almost like

186
00:08:52,899 --> 00:08:58,419
astrology but that is a very common

187
00:08:55,570 --> 00:09:00,129
misconception thinly veiled within these

188
00:08:58,419 --> 00:09:02,379
stories are many lessons about

189
00:09:00,129 --> 00:09:05,439
Aboriginal law how to find food and

190
00:09:02,379 --> 00:09:07,240
astronomical concepts there is a deep a

191
00:09:05,440 --> 00:09:08,290
struggle for knowledge of the world

192
00:09:07,240 --> 00:09:11,079
around us

193
00:09:08,289 --> 00:09:14,009
based on evidence this involves

194
00:09:11,078 --> 00:09:16,379
observations pattern recognition logic

195
00:09:14,009 --> 00:09:18,970
prediction and skepticism

196
00:09:16,379 --> 00:09:21,850
however indigenous science is holistic

197
00:09:18,970 --> 00:09:24,160
and often seeks localized explanations

198
00:09:21,850 --> 00:09:27,360
these could be used to help mitigate the

199
00:09:24,159 --> 00:09:27,360
impacts of climate change

200

00:09:29,009 --> 00:09:32,948
fantastic in particular those of you

201
00:09:31,990 --> 00:09:34,570
who've been to the trouble of bringing

202
00:09:32,948 --> 00:09:37,990
along some banners there's some great

203
00:09:34,570 --> 00:09:40,839
banners here I see basic science not BS

204
00:09:37,990 --> 00:09:43,299
I'll see you I'm a FEMINIST I see up and

205
00:09:40,839 --> 00:09:45,070
Adam liked it on a couple of us time to

206
00:09:43,299 --> 00:09:46,958
react here got your little beak of it

207
00:09:45,070 --> 00:09:48,010
the one that I like the very most hell

208
00:09:46,958 --> 00:09:50,129
we were just over there can you hold

209
00:09:48,009 --> 00:09:53,230
that one up alternative facts are

210
00:09:50,129 --> 00:09:55,720
alternative facts are square root of -1

211
00:09:53,230 --> 00:09:58,449
yeah yeah you don't mean complex do you

212
00:09:55,720 --> 00:10:01,620
no no imaginary get it and that the

213
00:09:58,448 --> 00:10:04,979
Argan died tough crowd today

214
00:10:01,620 --> 00:10:07,019

I also got to give a big round of

215

00:10:04,980 --> 00:10:08,789

applause but we will do it in the Auslan

216

00:10:07,019 --> 00:10:10,350

way for the wonderful Danny who's been

217

00:10:08,789 --> 00:10:12,209

Auslan interpreting today if you don't

218

00:10:10,350 --> 00:10:15,720

know the Auslan round of applauds hands

219

00:10:12,210 --> 00:10:17,730

above your head like that well I mean

220

00:10:15,720 --> 00:10:18,180

with a few people here with Jessica how

221

00:10:17,730 --> 00:10:19,920

are you

222

00:10:18,179 --> 00:10:21,179

I'm extremely well thank you you know

223

00:10:19,919 --> 00:10:23,370

what'd you think was the beef what was

224

00:10:21,179 --> 00:10:26,519

the big moment for Masterson's

225

00:10:23,370 --> 00:10:29,399

this wee year the big moment ah the

226

00:10:26,519 --> 00:10:33,269

point about not having a science

227

00:10:29,399 --> 00:10:35,669

Minister which means that we're pretty

228

00:10:33,269 --> 00:10:38,460

much directionless in terms of good

229

00:10:35,669 --> 00:10:40,649

science policy in government I thought

230

00:10:38,460 --> 00:10:47,250

John Singleton was out science Minister

231

00:10:40,649 --> 00:10:48,389

I've got the wrong guy okay if we could

232

00:10:47,250 --> 00:10:51,210

have a science minister who would be the

233

00:10:48,389 --> 00:10:52,980

best person you think oh that's a big

234

00:10:51,210 --> 00:10:55,110

one

235

00:10:52,980 --> 00:10:56,159

Jeffrey Robbins I reckon be kind of cool

236

00:10:55,110 --> 00:10:58,169

he's a cool guy

237

00:10:56,159 --> 00:10:59,639

yep he's a cool guy now the March is

238

00:10:58,169 --> 00:11:01,860

gonna come down here and people are

239

00:10:59,639 --> 00:11:03,809

gonna go bang bang bang science they're

240

00:11:01,860 --> 00:11:05,820

gonna do some waveforms they're gonna do

241

00:11:03,809 --> 00:11:07,469

some very serious stuff and they will

242

00:11:05,820 --> 00:11:11,129

pass us by and I'll be looking confused

243
00:11:07,470 --> 00:11:13,470
so look out for that people here we see

244
00:11:11,129 --> 00:11:15,389
the 2018 march for science

245
00:11:13,470 --> 00:11:16,740
what are they marching for well a whole

246
00:11:15,389 --> 00:11:18,600
bunch of stuff that you go to you need

247
00:11:16,740 --> 00:11:21,509
to learn like gallium and by the way I'm

248
00:11:18,600 --> 00:11:23,670
wearing the elements here what is my

249
00:11:21,509 --> 00:11:26,250
favorite element the element of surprise

250
00:11:23,669 --> 00:11:28,469
see love that cuz I didn't do it arts

251
00:11:26,250 --> 00:11:35,519
and that's a bit okay here we go here we

252
00:11:28,470 --> 00:11:37,379
go I'm gonna walk in here I'm walking

253
00:11:35,519 --> 00:11:39,689
along as if I went to Newcastle

254
00:11:37,379 --> 00:11:42,179
University for longer than the day these

255
00:11:39,690 --> 00:11:46,560
people spent three years there some of

256
00:11:42,179 --> 00:11:47,819
them even longer yes it's the maths for

257

00:11:46,559 --> 00:11:51,059
science because science has just been

258
00:11:47,820 --> 00:11:52,920
put in the gutter tramped on made like a

259
00:11:51,059 --> 00:11:55,919
paper airplane and flown into the corner

260
00:11:52,919 --> 00:11:57,120
of the room and beaten up but this is a

261
00:11:55,919 --> 00:11:57,479
very important thing look at these

262
00:11:57,120 --> 00:12:01,230
people

263
00:11:57,480 --> 00:12:02,930
look magic the science these people are

264
00:12:01,230 --> 00:12:07,830
a lot smarter than me let me tell you

265
00:12:02,929 --> 00:12:12,169
every single one goose nan goose not to

266
00:12:07,830 --> 00:12:12,170
be confused with Mongoose nan goose

267
00:12:24,279 --> 00:12:29,659
[Applause]

268
00:12:26,230 --> 00:12:31,850
yep it goes like what do you want proof

269
00:12:29,659 --> 00:12:34,669
of the Heisenberg principle because it's

270
00:12:31,850 --> 00:12:39,920
difficult not a great chat but it works

271
00:12:34,669 --> 00:12:43,719

for me and here comes the that's the

272

00:12:39,919 --> 00:12:46,219

Heisenberg principle congratulations

273

00:12:43,720 --> 00:12:49,879

yes system skeptic see who we got here

274

00:12:46,220 --> 00:12:51,200

it's Ian price and Nick Andrew look now

275

00:12:49,879 --> 00:12:53,629

both you are marching for science

276

00:12:51,200 --> 00:12:56,750

I've been marching for the the

277

00:12:53,629 --> 00:12:57,679

Heisenberg uncertainty principle and we

278

00:12:56,750 --> 00:12:59,720

doesn't worked out for me

279

00:12:57,679 --> 00:13:02,809

I'm pretty sure you've been because no

280

00:12:59,720 --> 00:13:04,250

one knows where I am yes actually what's

281

00:13:02,809 --> 00:13:07,219

your favorite moment of science because

282

00:13:04,250 --> 00:13:09,379

you a physics guy what's your theme okay

283

00:13:07,220 --> 00:13:12,500

well I like general relativity that's

284

00:13:09,379 --> 00:13:15,019

what I lecture in at the moment colleges

285

00:13:12,500 --> 00:13:16,879

so the warping of space-time is my

286
00:13:15,019 --> 00:13:18,439
favorite I use a banana to illustrate

287
00:13:16,879 --> 00:13:21,320
the effect of black holes creating

288
00:13:18,440 --> 00:13:23,030
gravitation Newtonian is fine because as

289
00:13:21,320 --> 00:13:24,530
we look around the Newtonian stuff just

290
00:13:23,029 --> 00:13:28,970
fine you and your bloody Einstein stuff

291
00:13:24,529 --> 00:13:31,039
at so eighteen hundreds in 1600 that's

292
00:13:28,970 --> 00:13:33,139
true and what's your motive hi Angela

293
00:13:31,039 --> 00:13:34,610
well I haven't mastered general

294
00:13:33,139 --> 00:13:36,949
relativity yet but I think I'm pretty

295
00:13:34,610 --> 00:13:38,779
cool with special theory of relativity I

296
00:13:36,950 --> 00:13:39,430
think I've got that under wraps what's

297
00:13:38,779 --> 00:13:43,669
the difference

298
00:13:39,429 --> 00:13:46,039
special theory is much more special okay

299
00:13:43,669 --> 00:13:48,909
so either you had a bit of a chat with a

300
00:13:46,039 --> 00:13:52,009
flat earther conspiracy person at all

301
00:13:48,909 --> 00:13:55,100
one of my Twitter friends Andrews cake

302
00:13:52,009 --> 00:13:58,519
is currently engaged in fighting the

303
00:13:55,100 --> 00:14:00,889
Flat Earth and he I'm not sure if he's

304
00:13:58,519 --> 00:14:04,129
convinced anybody about the earth being

305
00:14:00,889 --> 00:14:06,049
actually an oblate spheroid union but

306
00:14:04,129 --> 00:14:06,970
it's just a sad reflection on society

307
00:14:06,049 --> 00:14:09,909
and

308
00:14:06,970 --> 00:14:11,110
today that there is a bunch of people

309
00:14:09,909 --> 00:14:13,509
out there who actually believe this

310
00:14:11,110 --> 00:14:15,550
nonsense and what your favorite science

311
00:14:13,509 --> 00:14:17,019
busting you like to do science busting

312
00:14:15,549 --> 00:14:18,909
yeah what do you like to you hey that's

313
00:14:17,019 --> 00:14:20,620
wrong oh god I people who say you can't

314

00:14:18,909 --> 00:14:23,289
prove there isn't a god will I say well

315
00:14:20,620 --> 00:14:24,940
I do in my lectures pretty well look

316
00:14:23,289 --> 00:14:27,370
it's currently proven negative so you're

317
00:14:24,940 --> 00:14:29,620
out there doing and indeed and yeah

318
00:14:27,370 --> 00:14:31,060
yes the real book of physics but don't

319
00:14:29,620 --> 00:14:32,549
you have to cover everything if you're

320
00:14:31,059 --> 00:14:35,019
gonna like prove a negative

321
00:14:32,549 --> 00:14:37,449
science has mega science has covered

322
00:14:35,019 --> 00:14:38,980
everything pretty well in the here and

323
00:14:37,450 --> 00:14:42,550
now in this everything since the Big

324
00:14:38,980 --> 00:14:43,960
Bang has been explained pretty well by

325
00:14:42,549 --> 00:14:46,269
science and there are no gaps through

326
00:14:43,960 --> 00:14:48,519
which a God could intervene any God on

327
00:14:46,269 --> 00:14:50,710
this here and now and on planet Earth so

328
00:14:48,519 --> 00:14:52,720

let that can be backed up in an hour or

329

00:14:50,710 --> 00:14:53,980

so of are you saying the love of Jesus

330

00:14:52,720 --> 00:14:58,360

Christ in your heart that you think goes

331

00:14:53,980 --> 00:15:00,789

before it's just a weed feeling well

332

00:14:58,360 --> 00:15:02,169

there are so many different gods so and

333

00:15:00,789 --> 00:15:04,299

they will hate each other so how can

334

00:15:02,169 --> 00:15:05,559

they all be right so as much safer to be

335

00:15:04,299 --> 00:15:06,549

a secularist that's why I'm in the

336

00:15:05,559 --> 00:15:09,849

secular party

337

00:15:06,549 --> 00:15:11,620

what's the female goddess that does the

338

00:15:09,850 --> 00:15:14,470

battlefield stuff free it Freya Freya

339

00:15:11,620 --> 00:15:17,289

Freya that's Mike yeah Freya she's cool

340

00:15:14,470 --> 00:15:18,370

yeah France the Germanic yeah the speed

341

00:15:17,289 --> 00:15:22,360

of light after the Big Bang

342

00:15:18,370 --> 00:15:23,980

no it's not going but did you take the

343
00:15:22,360 --> 00:15:25,419
measurement you'll get the results in

344
00:15:23,980 --> 00:15:27,220
the speed

345
00:15:25,419 --> 00:15:29,559
theoretically the far parts of the

346
00:15:27,220 --> 00:15:31,570
universe are going faster than the speed

347
00:15:29,559 --> 00:15:33,729
of light but if you take a measurement

348
00:15:31,570 --> 00:15:35,410
they'll be the smallest so I'm wondering

349
00:15:33,730 --> 00:15:38,440
long with Ian he's telling me some

350
00:15:35,409 --> 00:15:39,610
physics stuff so here's the thing when

351
00:15:38,440 --> 00:15:41,709
you're walking along with someone who

352
00:15:39,610 --> 00:15:43,839
knows quantum physics what you do is you

353
00:15:41,708 --> 00:15:46,059
just nod quietly and pretend you

354
00:15:43,839 --> 00:15:48,820
understand what's being said and you say

355
00:15:46,059 --> 00:15:52,419
stuff like oh Planck time and like oh

356
00:15:48,820 --> 00:15:53,950
look at that isn't that a nice car Wow I

357
00:15:52,419 --> 00:15:57,309
wouldn't have thought he's doing that

358
00:15:53,950 --> 00:16:00,129
and then you go look at well here we are

359
00:15:57,309 --> 00:16:02,649
the people have gathered in the park

360
00:16:00,129 --> 00:16:03,659
it's all gone just a bit sciency there's

361
00:16:02,649 --> 00:16:07,659
a whole bunch of people hanging around

362
00:16:03,659 --> 00:16:09,480
talking saying stuff and over here

363
00:16:07,659 --> 00:16:11,740
there's a few of the rigorous skeptics

364
00:16:09,480 --> 00:16:13,028
hello may not hear like what do you

365
00:16:11,740 --> 00:16:15,879
think of this year's at march for

366
00:16:13,028 --> 00:16:17,679
science all right you know there's

367
00:16:15,879 --> 00:16:18,250
people here it's modest there we go it's

368
00:16:17,679 --> 00:16:20,699
modest

369
00:16:18,250 --> 00:16:22,720
mmm ok so what was your favorite moment

370
00:16:20,700 --> 00:16:24,310
well the speeches were pretty good at

371

00:16:22,720 --> 00:16:25,899
the beginning we had heard some from

372
00:16:24,309 --> 00:16:26,889
some excellent speakers I think some

373
00:16:25,899 --> 00:16:28,870
people are very very passionate about

374
00:16:26,889 --> 00:16:31,389
science it was good hearing from Kristin

375
00:16:28,870 --> 00:16:33,970
banks again pharmacology gets missed out

376
00:16:31,389 --> 00:16:35,919
not one mention of MDMA not a mention of

377
00:16:33,970 --> 00:16:37,930
that at all no mission objective fit

378
00:16:35,919 --> 00:16:40,599
Amin nothing but it's still objectively

379
00:16:37,929 --> 00:16:43,509
early on a Saturday so people are still

380
00:16:40,600 --> 00:16:46,180
recovering now when you look around you

381
00:16:43,509 --> 00:16:47,350
actually know scientists so what the

382
00:16:46,179 --> 00:16:50,889
heart of science do you think these

383
00:16:47,350 --> 00:16:52,690
people will be working on are they know

384
00:16:50,889 --> 00:16:54,458
anything and everything I reckon we've

385
00:16:52,690 --> 00:16:56,199

definitely got physicists we've got

386

00:16:54,458 --> 00:16:57,849

astrophysicists we've got climate

387

00:16:56,198 --> 00:16:59,679

scientists you definitely got some

388

00:16:57,850 --> 00:17:01,060

biologists I think we've got a pretty

389

00:16:59,679 --> 00:17:04,710

decent spectrum there's even

390

00:17:01,059 --> 00:17:06,899

mathematicians but is it as I am

391

00:17:04,710 --> 00:17:08,250

now behind me is someone who's a lot

392

00:17:06,900 --> 00:17:10,110

smarter than me he's named out of

393

00:17:08,250 --> 00:17:12,000

Spencer I was spoken to before I am hi

394

00:17:10,109 --> 00:17:13,849

yeah that's me that's you how are you

395

00:17:12,000 --> 00:17:17,329

buddy oh pretty good be a periodic

396

00:17:13,849 --> 00:17:19,379

what's your favorite element gallium

397

00:17:17,329 --> 00:17:20,759

ammonium one of the ones only lasts

398

00:17:19,380 --> 00:17:23,430

about three seconds

399

00:17:20,759 --> 00:17:25,140

carbon goes pretty good carpet he's a

400
00:17:23,430 --> 00:17:27,240
carbon guy why is that well because

401
00:17:25,140 --> 00:17:28,860
obviously smell it in the barbecue have

402
00:17:27,240 --> 00:17:30,480
ins got a bit of a bad rap at the moment

403
00:17:28,859 --> 00:17:32,189
with its involvement in co2 carbon is

404
00:17:30,480 --> 00:17:33,960
the basis of life it's all there in

405
00:17:32,190 --> 00:17:36,420
these magical little map here you know

406
00:17:33,960 --> 00:17:38,880
that the the incredible amount of human

407
00:17:36,420 --> 00:17:40,830
thought that that table represents that

408
00:17:38,880 --> 00:17:43,920
you can build a basic table that

409
00:17:40,829 --> 00:17:46,259
explains the structure of almost all the

410
00:17:43,920 --> 00:17:47,700
stuff in the universe that's true and

411
00:17:46,259 --> 00:17:49,379
there's nitrous oxide to it which is

412
00:17:47,700 --> 00:17:50,819
fantastic Zakia can't complain about the

413
00:17:49,380 --> 00:17:51,840
old nitrous oxide my friend here and

414
00:17:50,819 --> 00:17:53,279
what did you feel when you were actually

415
00:17:51,839 --> 00:17:54,990
chatting to the people at the mass for

416
00:17:53,279 --> 00:17:56,129
science at about the crowd and they're

417
00:17:54,990 --> 00:17:57,720
looking at you why how are you feeling

418
00:17:56,130 --> 00:17:59,940
there was it like while what was going

419
00:17:57,720 --> 00:18:02,039
on it's just right to be in a group who

420
00:17:59,940 --> 00:18:04,320
are united by a common belief in the

421
00:18:02,039 --> 00:18:06,599
power of the human mind to think

422
00:18:04,319 --> 00:18:07,980
rationally approach our problems to get

423
00:18:06,599 --> 00:18:09,419
a greater understanding of the universe

424
00:18:07,980 --> 00:18:11,460
and what we should do what's your

425
00:18:09,420 --> 00:18:13,410
favorite discipline in science what is

426
00:18:11,460 --> 00:18:15,690
it come a the Mattocks the more pure the

427
00:18:13,410 --> 00:18:17,460
mathematics the less application to the

428

00:18:15,690 --> 00:18:19,230
real world the better as far as I'm

429
00:18:17,460 --> 00:18:20,370
concerned that means he likes physics

430
00:18:19,230 --> 00:18:22,410
and that's when that's when I

431
00:18:20,369 --> 00:18:25,019
disconnected with science because I got

432
00:18:22,410 --> 00:18:26,070
to like equations and physics and it

433
00:18:25,019 --> 00:18:28,410
scared me I'll tell you something

434
00:18:26,069 --> 00:18:31,139
incredible about physics okay 1932 a guy

435
00:18:28,410 --> 00:18:33,240
called chadwick discovers the neutron so

436
00:18:31,140 --> 00:18:35,100
it's in 1932 that we get that model of

437
00:18:33,240 --> 00:18:36,539
the atom that we all saw remember the

438
00:18:35,099 --> 00:18:38,939
protons and the neutrons and then on the

439
00:18:36,539 --> 00:18:41,190
electrons if we like that in 1932 so

440
00:18:38,940 --> 00:18:43,140
from the beginning of humans whatever

441
00:18:41,190 --> 00:18:44,789
you want to call human thinking whatever

442
00:18:43,140 --> 00:18:46,259

you want to call thinking whether that's

443

00:18:44,789 --> 00:18:48,329

two hundred thousand years or two meters

444

00:18:46,259 --> 00:18:50,129

or whatever asking the most fundamental

445

00:18:48,329 --> 00:18:52,169

question what is stuff it takes us all

446

00:18:50,130 --> 00:18:55,230

of that time up to 1932 to get the three

447

00:18:52,170 --> 00:18:58,140

fundamental particles today one lifetime

448

00:18:55,230 --> 00:19:01,789

onwards from 32 to 2018 we've gone from

449

00:18:58,140 --> 00:19:04,710

three fundamental particles to 61

450

00:19:01,789 --> 00:19:07,289

fundamental particles this is the age of

451

00:19:04,710 --> 00:19:08,579

physics this is this explosion in

452

00:19:07,289 --> 00:19:10,440

knowledge of the cutting edge that sort

453

00:19:08,579 --> 00:19:13,799

of stuff that yet we've jumped forward

454

00:19:10,440 --> 00:19:17,190

20 times as far as we had in all human

455

00:19:13,799 --> 00:19:18,450

history in the last lifetime I know got

456

00:19:17,190 --> 00:19:20,249

a lot of people to meet and shake

457
00:19:18,450 --> 00:19:22,558
for science net but how do you go with

458
00:19:20,249 --> 00:19:24,509
quantum physics cuz you have a big brain

459
00:19:22,558 --> 00:19:26,128
for maths and that is just like out of

460
00:19:24,509 --> 00:19:28,200
the park how do you go with that the

461
00:19:26,128 --> 00:19:29,759
idea that we know since no and that's

462
00:19:28,200 --> 00:19:31,798
the beautiful thing about it it makes no

463
00:19:29,759 --> 00:19:34,739
sense to our limited brains but we know

464
00:19:31,798 --> 00:19:36,690
at least some of it must be right so the

465
00:19:34,739 --> 00:19:37,889
challenge then becomes for us to throw

466
00:19:36,690 --> 00:19:39,179
our brains at the topic and get better

467
00:19:37,888 --> 00:19:40,709
at it but the fact that our minds can

468
00:19:39,179 --> 00:19:42,960
even perceive the fact that there's a

469
00:19:40,710 --> 00:19:44,850
quantum size of things in a quantum

470
00:19:42,960 --> 00:19:46,440
world in which it appears as though

471
00:19:44,849 --> 00:19:48,058
particles can be in two places at one

472
00:19:46,440 --> 00:19:50,249
time or things can talk to each other

473
00:19:48,058 --> 00:19:51,480
not really quickly but instantly and we

474
00:19:50,249 --> 00:19:53,759
don't know how the information transfers

475
00:19:51,480 --> 00:19:55,470
mind blowing but at the same time how

476
00:19:53,759 --> 00:19:57,298
blessed are we to be the only life form

477
00:19:55,470 --> 00:19:59,460
on this planet that can even conceive of

478
00:19:57,298 --> 00:20:00,960
it and for people out there like from

479
00:19:59,460 --> 00:20:02,159
Birmingham Gardens in Newcastle and

480
00:20:00,960 --> 00:20:03,720
going what's this bloody science thing

481
00:20:02,159 --> 00:20:05,249
what's the best way in one sentence you

482
00:20:03,720 --> 00:20:08,460
can explain why science is important to

483
00:20:05,249 --> 00:20:10,259
them the essence of being human is to

484
00:20:08,460 --> 00:20:13,259
look at the universe and understand what

485

00:20:10,259 --> 00:20:15,389
or wonder what's going on of all the

486
00:20:13,259 --> 00:20:18,269
different tools we have in the toolkit

487
00:20:15,388 --> 00:20:20,368
science is profoundly the best way to

488
00:20:18,269 --> 00:20:20,788
understand the questions we all want the

489
00:20:20,368 --> 00:20:22,349
answers to

490
00:20:20,788 --> 00:20:23,638
sure I've embarrassed that I don't know

491
00:20:22,349 --> 00:20:25,709
much about it because I'm having got a

492
00:20:23,638 --> 00:20:28,678
great brain you'd want one you do have

493
00:20:25,710 --> 00:20:30,389
an amazing brain secondly not math but

494
00:20:28,679 --> 00:20:32,788
man I tell you I'm never too late to

495
00:20:30,388 --> 00:20:35,849
start my friend remember that thank you

496
00:20:32,788 --> 00:20:38,009
Adam well that's it for the match for

497
00:20:35,849 --> 00:20:39,928
science zombie up zombie down zombie out

498
00:20:38,009 --> 00:20:42,239
of town I'm just hiding up the rude bit

499
00:20:39,929 --> 00:20:44,249

which is that science that basically oh

500

00:20:42,239 --> 00:20:46,169

look that's enough there it's a bit like

501

00:20:44,249 --> 00:20:48,149

can't stop the music but if the Village

502

00:20:46,169 --> 00:20:50,549

People were a fountain that would be it

503

00:20:48,148 --> 00:20:52,138

if we were at a master science this is

504

00:20:50,548 --> 00:20:53,878

it I'm just going to go and learn some

505

00:20:52,138 --> 00:20:59,689

stuff and hopefully I can pretend I was

506

00:20:53,878 --> 00:20:59,689

at university for more than the day okay

507

00:21:04,069 --> 00:21:07,159

[Music]

508

00:21:16,660 --> 00:21:21,740

this is Ben Radford and Celestia Ward

509

00:21:19,460 --> 00:21:24,410

and Pasqual Romero from the podcast

510

00:21:21,740 --> 00:21:27,079

squaring the strange we talk monsters

511

00:21:24,410 --> 00:21:29,570

mysteries fallacies and the latest in

512

00:21:27,079 --> 00:21:31,308

whoo we also do deep dives into topics

513

00:21:29,569 --> 00:21:33,168

that might not appear to be a skeptical

514
00:21:31,308 --> 00:21:35,149
subject on the surface yep

515
00:21:33,169 --> 00:21:37,759
topics like fairy tales psychology

516
00:21:35,150 --> 00:21:41,298
treasure hunting trolls and even heavy

517
00:21:37,759 --> 00:21:44,000
metal we celebrated our one-year on the

518
00:21:41,298 --> 00:21:45,470
air with over 55,000 downloads from

519
00:21:44,000 --> 00:21:47,869
listeners all over the world to

520
00:21:45,470 --> 00:21:50,298
celebrate been gave us flying metal pig

521
00:21:47,869 --> 00:21:52,009
sculptures not as cool as origami ones

522
00:21:50,298 --> 00:21:55,129
but still pretty neat I named mine

523
00:21:52,009 --> 00:21:57,079
Francis Bacon anyway we've also done a

524
00:21:55,130 --> 00:21:59,030
lot of upgrading over the last year we

525
00:21:57,079 --> 00:22:01,369
record through the latest in studio gear

526
00:21:59,029 --> 00:22:03,500
including a brand-new rackmount

527
00:22:01,369 --> 00:22:05,239
compressor gate with auto dynamic attack

528
00:22:03,500 --> 00:22:08,450
and release controls true rms power

529
00:22:05,240 --> 00:22:10,429
summing XLR and TRS inputs and outputs

530
00:22:08,450 --> 00:22:11,990
top of the line gate timing algorithm

531
00:22:10,429 --> 00:22:13,669
ask well what does any of that even mean

532
00:22:11,990 --> 00:22:15,589
I don't know but the lights are pretty

533
00:22:13,669 --> 00:22:17,330
they are they're blinking and everything

534
00:22:15,589 --> 00:22:19,399
it's awesome it's like lives in ghost

535
00:22:17,329 --> 00:22:21,470
hunting gear and of course Lester is now

536
00:22:19,400 --> 00:22:23,450
a co-host on top of doing editing

537
00:22:21,470 --> 00:22:25,190
producing and sending out skeptic rates

538
00:22:23,450 --> 00:22:26,870
I'm also a cat herder

539
00:22:25,190 --> 00:22:28,340
thank you Richard for being so

540
00:22:26,869 --> 00:22:29,869
supportive of the show and helping us

541
00:22:28,339 --> 00:22:32,178
grow beyond anything we could have done

542

00:22:29,869 --> 00:22:34,069
ourselves you and the skeptic zone are

543
00:22:32,179 --> 00:22:36,048
an inspiration and we wouldn't have made

544
00:22:34,069 --> 00:22:38,918
it this far without you thank you thanks

545
00:22:36,048 --> 00:22:38,918
Richard thank you

546
00:22:40,900 --> 00:22:54,290
[Music]

547
00:22:51,819 --> 00:22:55,879
here's a follow-up to the story we

548
00:22:54,289 --> 00:22:58,250
brought you last week about the

549
00:22:55,880 --> 00:23:00,590
naturopath Maryland mod nur being

550
00:22:58,250 --> 00:23:02,990
sentenced to 14 months imprisonment with

551
00:23:00,589 --> 00:23:06,369
a seven-month non-role period

552
00:23:02,990 --> 00:23:09,019
I thought I would read you the judgment

553
00:23:06,369 --> 00:23:11,239
handed down and this comes to us from

554
00:23:09,019 --> 00:23:15,109
the district court of New South Wales

555
00:23:11,240 --> 00:23:19,359
and this was handed down by judge Berman

556
00:23:15,109 --> 00:23:22,459

[Music]

557

00:23:19,359 --> 00:23:24,729
sentence one many people in the

558

00:23:22,460 --> 00:23:27,200
community shun conventional medicine

559

00:23:24,730 --> 00:23:29,839
others regard alternative medical

560

00:23:27,200 --> 00:23:32,750
treatment as being complementary to

561

00:23:29,839 --> 00:23:35,209
conventional medicine the criminal law

562

00:23:32,750 --> 00:23:37,640
does not often get involved in the

563

00:23:35,210 --> 00:23:40,309
choice of a person to give or accept

564

00:23:37,640 --> 00:23:41,870
advice based on alternatives to

565

00:23:40,309 --> 00:23:44,359
conventional medicine

566

00:23:41,869 --> 00:23:46,969
thus people are perfectly entitled to

567

00:23:44,359 --> 00:23:48,919
portray themselves as being able to cure

568

00:23:46,970 --> 00:23:51,769
illnesses through the placement of

569

00:23:48,920 --> 00:23:54,500
crystals on the body the use of highly

570

00:23:51,769 --> 00:23:58,160
diluted solutions and the eating of

571
00:23:54,500 --> 00:24:00,890
activated Hartman's - but the criminal

572
00:23:58,160 --> 00:24:03,710
law does get involved when harm results

573
00:24:00,890 --> 00:24:06,230
from dangerous advice and where gross

574
00:24:03,710 --> 00:24:09,200
recklessness in the giving of such

575
00:24:06,230 --> 00:24:12,470
advice leads to a significant risk of

576
00:24:09,200 --> 00:24:14,900
death those who purport to be qualified

577
00:24:12,470 --> 00:24:17,150
to give medical advice where the doctors

578
00:24:14,900 --> 00:24:20,840
are not have an obligation to provide

579
00:24:17,150 --> 00:24:24,080
advice which is based on proved results

580
00:24:20,839 --> 00:24:27,409
not merely fake science and faith and

581
00:24:24,079 --> 00:24:29,480
those who give advice with the potential

582
00:24:27,410 --> 00:24:32,990
to harm others have an obligation to

583
00:24:29,480 --> 00:24:35,930
ensure that continued acceptance of that

584
00:24:32,990 --> 00:24:38,779
advice does not lead as in this case to

585
00:24:35,930 --> 00:24:41,570
a real possibility that the well-meaning

586
00:24:38,779 --> 00:24:44,839
but seriously misguided advice causes

587
00:24:41,569 --> 00:24:47,480
the risk of death of an innocent child 3

588
00:24:44,839 --> 00:24:50,750
in this case the advice given by the

589
00:24:47,480 --> 00:24:53,420
offender Marilyn Bodnar to the mother of

590
00:24:50,750 --> 00:24:53,960
a child with eczema almost led to that

591
00:24:53,420 --> 00:24:56,240
child's

592
00:24:53,960 --> 00:24:59,149
death the advice should probably never

593
00:24:56,240 --> 00:25:01,308
been given in the first place but the

594
00:24:59,148 --> 00:25:03,229
fact that ms Bodnar continued to give

595
00:25:01,308 --> 00:25:06,769
that advice in the face of evidence of

596
00:25:03,230 --> 00:25:09,110
the harm that was being caused and in

597
00:25:06,769 --> 00:25:11,359
the absence of ms Bodnar's monitoring of

598
00:25:09,109 --> 00:25:14,269
the condition of the child meant that it

599

00:25:11,359 --> 00:25:18,199
was seriously criminal behavior to

600
00:25:14,269 --> 00:25:21,440
continue giving such flawed advice for

601
00:25:18,200 --> 00:25:23,179
the protection of children from harm is

602
00:25:21,440 --> 00:25:25,788
one of the most important aspects of the

603
00:25:23,179 --> 00:25:27,950
criminal law and where offenses are

604
00:25:25,788 --> 00:25:30,528
committed against children principles of

605
00:25:27,950 --> 00:25:33,169
general deterrence usually of

606
00:25:30,528 --> 00:25:34,819
considerable importance that principle

607
00:25:33,169 --> 00:25:38,210
is one to which full weight should be

608
00:25:34,819 --> 00:25:40,308
given in this sentencing exercise and it

609
00:25:38,210 --> 00:25:43,308
explains the sentence I will ultimately

610
00:25:40,308 --> 00:25:45,408
impose on the offender five before

611
00:25:43,308 --> 00:25:47,629
proceeding I will remind those present

612
00:25:45,409 --> 00:25:50,240
that there is to be no publication of

613
00:25:47,630 --> 00:25:53,270

any evidence which will identify or tend

614

00:25:50,240 --> 00:25:55,099
to identify the name of the child for

615

00:25:53,269 --> 00:25:59,000
the purposes of this judgment I will

616

00:25:55,099 --> 00:26:02,148
give him the pseudonym Tony six he was

617

00:25:59,000 --> 00:26:03,798
born in early October 2014 when he was

618

00:26:02,148 --> 00:26:05,569
four months old he was found to be

619

00:26:03,798 --> 00:26:08,418
developing at a normal pace but

620

00:26:05,569 --> 00:26:10,939
diagnosed with eczema a specialist saw

621

00:26:08,419 --> 00:26:13,190
him on the 23rd of February 2015 the

622

00:26:10,940 --> 00:26:16,669
specialist explained that the eczema

623

00:26:13,190 --> 00:26:18,350
could not be cured only treated the

624

00:26:16,669 --> 00:26:21,559
specialist provided appropriate advice

625

00:26:18,349 --> 00:26:24,879
to Tony's mother and booked him in for a

626

00:26:21,558 --> 00:26:27,168
skin prick test to test for allergens an

627

00:26:24,880 --> 00:26:29,000
appointment was made to discuss the

628
00:26:27,169 --> 00:26:30,799
results with this test but that

629
00:26:29,000 --> 00:26:33,769
appointment was cancelled by Tony's

630
00:26:30,798 --> 00:26:35,808
mother seven it was around this time

631
00:26:33,769 --> 00:26:39,379
that Tony's mother was introduced to ms

632
00:26:35,808 --> 00:26:42,829
Bodnar the offender ms Bodnar must have

633
00:26:39,380 --> 00:26:45,230
seemed as something of a godsend to her

634
00:26:42,829 --> 00:26:48,859
because miss bonnet told her that she

635
00:26:45,230 --> 00:26:51,740
could cure Tony's eczema something which

636
00:26:48,859 --> 00:26:53,990
the specialist said could not be done no

637
00:26:51,740 --> 00:26:56,630
evidence in these proceedings was

638
00:26:53,990 --> 00:26:59,179
tendered in any attempt to prove the

639
00:26:56,630 --> 00:27:01,039
accuracy of the offender's claim to have

640
00:26:59,179 --> 00:27:05,720
the ability to do what the specialist

641
00:27:01,038 --> 00:27:08,269
could not namely cure Tony's eczema 8 ms

642
00:27:05,720 --> 00:27:10,250
modernist explanation for Tony's

643
00:27:08,269 --> 00:27:13,900
was that it could have been caused by

644
00:27:10,250 --> 00:27:17,029
the mother's diet and toxins in her body

645
00:27:13,900 --> 00:27:19,400
accordingly miss Buckner advised and the

646
00:27:17,029 --> 00:27:24,079
mother accepted that she should go on a

647
00:27:19,400 --> 00:27:26,960
quote raw only in quote diet 9 from

648
00:27:24,079 --> 00:27:29,059
around the 10th of April 2015 the mother

649
00:27:26,960 --> 00:27:31,519
began to follow MS Bodnar's advice

650
00:27:29,059 --> 00:27:34,220
ceased conventional medical treatment

651
00:27:31,519 --> 00:27:38,389
for her son's eczema and took up a raw

652
00:27:34,220 --> 00:27:40,460
food diet 10 this treatment contributed

653
00:27:38,390 --> 00:27:43,310
to the serious harm later suffered by

654
00:27:40,460 --> 00:27:45,230
Tony not surprisingly the mother lost

655
00:27:43,309 --> 00:27:48,169
weight and given that she was

656

00:27:45,230 --> 00:27:51,460
breastfeeding Tony exclusively so did he

657
00:27:48,170 --> 00:27:55,430
the mother lost 11 kilos and

658
00:27:51,460 --> 00:27:58,970
incidentally that's about 24 pounds and

659
00:27:55,430 --> 00:28:02,570
Tony who was only around 6 months of age

660
00:27:58,970 --> 00:28:04,220
at the time lost 1.4 kilos miss Bodnar

661
00:28:02,569 --> 00:28:06,439
was aware of this weight loss but

662
00:28:04,220 --> 00:28:09,289
assured the mother that this was normal

663
00:28:06,440 --> 00:28:13,250
and that Tony was fat and needed to lose

664
00:28:09,289 --> 00:28:13,759
weight 11 in early to mid-may things got

665
00:28:13,250 --> 00:28:15,740
worse

666
00:28:13,759 --> 00:28:18,230
Tony began having higher temperatures

667
00:28:15,740 --> 00:28:22,549
remarkably miss Banda advised the mother

668
00:28:18,230 --> 00:28:25,519
to fast and to go on a water only diet I

669
00:28:22,549 --> 00:28:29,269
repeat Tony was being exclusively

670
00:28:25,519 --> 00:28:31,369

breastfed at the time 12 the situation

671

00:28:29,269 --> 00:28:34,309

reached a critical stage on or around

672

00:28:31,369 --> 00:28:37,099

the 21st of May 2015 when Tony was

673

00:28:34,309 --> 00:28:40,069

unsettled his mother believed he needed

674

00:28:37,099 --> 00:28:42,829

more food miss Bodnar suggested that she

675

00:28:40,069 --> 00:28:45,379

could give him some goat's milk

676

00:28:42,829 --> 00:28:48,589

but when the mother tried this Tony

677

00:28:45,380 --> 00:28:50,390

vomited it up miss Banda suggested that

678

00:28:48,589 --> 00:28:53,599

the mother tried to dilute the goat's

679

00:28:50,390 --> 00:28:57,920

milk with water and try again but Tony

680

00:28:53,599 --> 00:29:00,079

vomited that also 13 eventually and

681

00:28:57,920 --> 00:29:02,720

thankfully the mother took Tony to her

682

00:29:00,079 --> 00:29:04,099

general practitioner she told the GP

683

00:29:02,720 --> 00:29:06,319

that she had been advised by a

684

00:29:04,099 --> 00:29:08,509

naturopath to have an exclusion diet for

685
00:29:06,319 --> 00:29:10,460
herself and to avoid introducing any

686
00:29:08,509 --> 00:29:11,960
solids to the baby in an attempt to

687
00:29:10,460 --> 00:29:14,120
control the eczema

688
00:29:11,960 --> 00:29:16,970
the doctor found that Tony was in a

689
00:29:14,119 --> 00:29:20,959
shrunken state with loss of body fat and

690
00:29:16,970 --> 00:29:21,420
muscles he appeared to be dehydrated the

691
00:29:20,960 --> 00:29:23,759
doctor

692
00:29:21,420 --> 00:29:26,310
referred Tony to the Children's Hospital

693
00:29:23,759 --> 00:29:28,470
where he was found to be in a critical

694
00:29:26,309 --> 00:29:31,259
condition the doctors forming the

695
00:29:28,470 --> 00:29:33,569
opinion that had he not presented to the

696
00:29:31,259 --> 00:29:37,379
hospital he could have died within a

697
00:29:33,569 --> 00:29:39,809
number of days 14 he had lost a lot of

698
00:29:37,380 --> 00:29:42,330
weight at six months of age he weighed

699
00:29:39,809 --> 00:29:45,450
eight kilograms but on admission at

700
00:29:42,329 --> 00:29:47,970
seven and a half months weighed only six

701
00:29:45,450 --> 00:29:50,160
point four kilograms there was evidence

702
00:29:47,970 --> 00:29:52,589
of a developmental delay which

703
00:29:50,160 --> 00:29:55,740
correlated with the mother taking miss

704
00:29:52,589 --> 00:29:57,809
Bolton his advice his development at

705
00:29:55,740 --> 00:30:00,240
eight months was assessed as being

706
00:29:57,809 --> 00:30:02,819
equivalent to that of a three-month-old

707
00:30:00,240 --> 00:30:05,190
he remained in hospital for more than a

708
00:30:02,819 --> 00:30:07,230
month he still needs to be assessed by

709
00:30:05,190 --> 00:30:10,529
medical experts over the next few years

710
00:30:07,230 --> 00:30:12,900
in order to ascertain whether or not he

711
00:30:10,529 --> 00:30:15,180
will suffer any long-term developmental

712
00:30:12,900 --> 00:30:19,320
delays as a result of what has happened

713

00:30:15,180 --> 00:30:21,750
to him 15 as a result of what I have

714
00:30:19,319 --> 00:30:25,500
described the offender has pleaded

715
00:30:21,750 --> 00:30:28,200
guilty to having aided abetted counseled

716
00:30:25,500 --> 00:30:31,440
or procured the commission of an offense

717
00:30:28,200 --> 00:30:33,480
by the child's mother that being an

718
00:30:31,440 --> 00:30:36,090
offense of being a person having

719
00:30:33,480 --> 00:30:39,029
parental responsibilities recklessly and

720
00:30:36,089 --> 00:30:41,159
without reasonable excuse failing to

721
00:30:39,029 --> 00:30:44,309
provide Tony with the necessities of

722
00:30:41,160 --> 00:30:47,190
life the result of that failure causing

723
00:30:44,309 --> 00:30:49,169
a danger of death to Tony this is an

724
00:30:47,190 --> 00:30:52,830
offense which carries a maximum penalty

725
00:30:49,170 --> 00:30:55,529
of five years imprisonment sixteen this

726
00:30:52,829 --> 00:30:57,629
is an objectively serious example of

727
00:30:55,529 --> 00:31:00,029

crimes of this type particularly

728

00:30:57,630 --> 00:31:02,730

important in making that assessment are

729

00:31:00,029 --> 00:31:05,339

the length of time over which the

730

00:31:02,730 --> 00:31:09,299

offense occurred the 22nd of February

731

00:31:05,339 --> 00:31:11,939

2015 - the 22nd of May 2015 the gross

732

00:31:09,299 --> 00:31:14,460

recklessness of the offender in firstly

733

00:31:11,940 --> 00:31:16,380

providing such advice to the mother but

734

00:31:14,460 --> 00:31:18,480

perhaps more importantly failing to

735

00:31:16,380 --> 00:31:22,320

observe or perhaps ignoring the effect

736

00:31:18,480 --> 00:31:24,299

of that advice upon Tony and of course

737

00:31:22,319 --> 00:31:26,460

the age of Tony is a matter of some

738

00:31:24,299 --> 00:31:29,970

importance as well it's not as though

739

00:31:26,460 --> 00:31:31,259

Tony was able to feed himself 17 the

740

00:31:29,970 --> 00:31:34,350

offender pleaded guilty of this charge

741

00:31:31,259 --> 00:31:35,430

not at the earliest opportunity but not

742
00:31:34,349 --> 00:31:38,579
at the latest opportune

743
00:31:35,430 --> 00:31:40,769
either the procedural history is

744
00:31:38,579 --> 00:31:42,929
somewhat complicated but it has agreed

745
00:31:40,769 --> 00:31:45,539
between the parties that the sentence I

746
00:31:42,930 --> 00:31:48,390
impose upon the offender should be about

747
00:31:45,539 --> 00:31:51,809
15% less then it would otherwise have

748
00:31:48,390 --> 00:31:54,870
been 18 the offender is a mature woman

749
00:31:51,809 --> 00:31:56,700
of 62 years of age she has a close

750
00:31:54,869 --> 00:31:58,979
healthy relationship with her two

751
00:31:56,700 --> 00:32:00,420
children and her husband after finishing

752
00:31:58,980 --> 00:32:02,640
high school she qualified as a

753
00:32:00,420 --> 00:32:05,430
registered nurse continuing her training

754
00:32:02,640 --> 00:32:07,770
so that she qualified in emergency post

755
00:32:05,430 --> 00:32:12,060
procedure procedures and then as a

756
00:32:07,769 --> 00:32:13,889
midwife in 1978 nineteen in that year at

757
00:32:12,059 --> 00:32:17,220
age 22 she was diagnosed with breast

758
00:32:13,890 --> 00:32:19,320
cancer this proved benign but the

759
00:32:17,220 --> 00:32:22,440
undoubted crisis in her life that arose

760
00:32:19,319 --> 00:32:24,629
at this time led to her developing an

761
00:32:22,440 --> 00:32:28,380
interest in good diet and alternative

762
00:32:24,630 --> 00:32:30,960
therapies 20 she studied naturopathy

763
00:32:28,380 --> 00:32:33,690
before in 1983 establishing her own

764
00:32:30,960 --> 00:32:36,000
business she offered massage services

765
00:32:33,690 --> 00:32:37,680
gave diet advice and rank cooking

766
00:32:36,000 --> 00:32:39,960
classes treating children as well as

767
00:32:37,680 --> 00:32:42,660
adults there is no evidence to suggest

768
00:32:39,960 --> 00:32:45,569
anyone else has been harmed by the

769
00:32:42,660 --> 00:32:47,910
treatments she offered now if I could

770

00:32:45,569 --> 00:32:50,789
make a quick comment here as I told you

771
00:32:47,910 --> 00:32:54,240
last week Marilyn Bonner was actually

772
00:32:50,789 --> 00:32:58,230
sent to trial in the 80s over the death

773
00:32:54,240 --> 00:33:00,690
of her a friend or a client however she

774
00:32:58,230 --> 00:33:02,339
was acquitted or found not guilty so

775
00:33:00,690 --> 00:33:05,700
with my limited legal knowledge I

776
00:33:02,339 --> 00:33:07,709
imagine that when this judge says there

777
00:33:05,700 --> 00:33:10,319
is no evidence to suggest anyone else

778
00:33:07,710 --> 00:33:13,380
has been harmed by the treatments she

779
00:33:10,319 --> 00:33:14,970
offered he must have taken in

780
00:33:13,380 --> 00:33:17,490
consideration that she was found not

781
00:33:14,970 --> 00:33:21,000
guilty so in the eyes of the law she was

782
00:33:17,490 --> 00:33:24,210
not guilty of any previous offenses we

783
00:33:21,000 --> 00:33:25,859
read on 21 the offender has provided a

784
00:33:24,210 --> 00:33:29,759

letter of apology to the court and

785

00:33:25,859 --> 00:33:32,519

expressed remorse she says that she

786

00:33:29,759 --> 00:33:35,789

never intended her suggestions to cause

787

00:33:32,519 --> 00:33:38,009

any harm to Tony or the mother this is

788

00:33:35,789 --> 00:33:39,899

easily accepted miss Bonner is not

789

00:33:38,009 --> 00:33:42,779

charged with being an accessory to any

790

00:33:39,900 --> 00:33:46,800

offense involving intentional harm to

791

00:33:42,779 --> 00:33:48,720

Tony 22 MS Bonner has no relevant legal

792

00:33:46,799 --> 00:33:49,289

convictions the only offenses in her

793

00:33:48,720 --> 00:33:54,150

criminal

794

00:33:49,289 --> 00:33:57,329

being driving offenses committed in 2008

795

00:33:54,150 --> 00:33:59,100

and 2013 there is no doubt that she is a

796

00:33:57,329 --> 00:34:01,439

caring and well-meaning individual and

797

00:33:59,099 --> 00:34:03,419

that her intentions to provide advice to

798

00:34:01,440 --> 00:34:05,549

Tony's mother were based on what she

799

00:34:03,420 --> 00:34:08,730
believed to be some connection between

800

00:34:05,549 --> 00:34:11,550
Tony's ex MA and the mother's diet but

801

00:34:08,730 --> 00:34:13,889
once it became clearly apparent that

802

00:34:11,550 --> 00:34:16,260
there was a risk of harm to Tony through

803

00:34:13,889 --> 00:34:19,380
the mother following her advice it was a

804

00:34:16,260 --> 00:34:21,990
seriously criminal thing to do to ignore

805

00:34:19,380 --> 00:34:25,860
the effect of her advice on Tony's

806

00:34:21,989 --> 00:34:27,629
well-being 23 in submissions from mr.

807

00:34:25,860 --> 00:34:30,389
Mitra who appeared for the offender

808

00:34:27,630 --> 00:34:32,700
today the offender sought to gain

809

00:34:30,389 --> 00:34:34,590
comfort from the fact that she never saw

810

00:34:32,699 --> 00:34:37,109
Tony in the state revealed by

811

00:34:34,590 --> 00:34:39,090
photographs tended to the crown but this

812

00:34:37,110 --> 00:34:41,370
is part of the criminality of the

813
00:34:39,090 --> 00:34:42,990
offender in continuing to advise a

814
00:34:41,369 --> 00:34:45,569
restricted diet for Tony's mother

815
00:34:42,989 --> 00:34:49,138
without seeing Tony and without seeing

816
00:34:45,570 --> 00:34:51,530
just how obviously ill he was 24 I

817
00:34:49,139 --> 00:34:54,269
accept that Miss Bodnar has suffered

818
00:34:51,530 --> 00:34:56,760
significantly since the matters came to

819
00:34:54,269 --> 00:34:59,400
light her business has suffered she has

820
00:34:56,760 --> 00:35:01,590
been subject to ongoing restrictions

821
00:34:59,400 --> 00:35:03,930
imposed by the healthcare Complaints

822
00:35:01,590 --> 00:35:06,360
Commission she has been the subject of

823
00:35:03,929 --> 00:35:08,460
abuse on social media she has been

824
00:35:06,360 --> 00:35:11,130
extremely stressed over a number of

825
00:35:08,460 --> 00:35:13,679
years such stress resulting in symptoms

826
00:35:11,130 --> 00:35:16,829
of anxiety and depression and being

827

00:35:13,679 --> 00:35:18,960
displaced 25 I should at this stage

828
00:35:16,829 --> 00:35:21,929
speak about the sentence imposed upon

829
00:35:18,960 --> 00:35:24,119
Tony's mother the principles of parody

830
00:35:21,929 --> 00:35:26,159
clearly applied for that reason I was

831
00:35:24,119 --> 00:35:28,380
provided with materials tended to the

832
00:35:26,159 --> 00:35:30,989
magistrate who sentenced Tony's mother

833
00:35:28,380 --> 00:35:33,180
as well as his honors remarks on the

834
00:35:30,989 --> 00:35:35,369
sentence the magistrate imposed a

835
00:35:33,179 --> 00:35:38,609
sentence of imprisonment of fourteen

836
00:35:35,369 --> 00:35:42,449
months but suspended its execution and

837
00:35:38,610 --> 00:35:45,690
as 12 of the crimes sentencing Procedure

838
00:35:42,449 --> 00:35:47,909
Act 26 it is to be noted that the

839
00:35:45,690 --> 00:35:49,289
magistrate clearly identified the reason

840
00:35:47,909 --> 00:35:51,839
that a sentence of full time

841
00:35:49,289 --> 00:35:55,019

imprisonment was not imposed he said

842

00:35:51,840 --> 00:35:57,510

quote in my view but for the offer and

843

00:35:55,019 --> 00:35:59,579

willingness on the part of the defendant

844

00:35:57,510 --> 00:36:01,410

to agree to give evidence against the co

845

00:35:59,579 --> 00:36:02,489

accused a period of full-time

846

00:36:01,409 --> 00:36:05,059

imprisonment would

847

00:36:02,489 --> 00:36:08,250

have been otherwise appropriate in quote

848

00:36:05,059 --> 00:36:11,400

27 this offender who does not get the

849

00:36:08,250 --> 00:36:14,579

benefit of a discount under s 23 of the

850

00:36:11,400 --> 00:36:16,139

crimes sentencing Procedure Act cannot

851

00:36:14,579 --> 00:36:17,880

really complain

852

00:36:16,139 --> 00:36:20,089

therefore if a sentence of full-time

853

00:36:17,880 --> 00:36:22,470

imprisonment is imposed upon her

854

00:36:20,090 --> 00:36:25,289

especially given that mr. matauri

855

00:36:22,469 --> 00:36:28,859

accepts that the criminality of Tony's

856
00:36:25,289 --> 00:36:30,750
mother and his client is similar now of

857
00:36:28,860 --> 00:36:33,329
course the Crown can't rely on the

858
00:36:30,750 --> 00:36:35,670
principles of parody but in my view the

859
00:36:33,329 --> 00:36:39,269
offender would not have a justifiable

860
00:36:35,670 --> 00:36:40,800
sense of grievance where I to ultimately

861
00:36:39,269 --> 00:36:44,880
impose a sentence of full-time

862
00:36:40,800 --> 00:36:46,800
imprisonment upon her 28 I will take

863
00:36:44,880 --> 00:36:49,260
into account that this is a matter that

864
00:36:46,800 --> 00:36:52,260
could have been dealt with in a local

865
00:36:49,260 --> 00:36:54,960
court as it turns out the sentence I

866
00:36:52,260 --> 00:36:58,610
impose upon Miss Bodnar does not exceed

867
00:36:54,960 --> 00:36:59,849
the jurisdictional limit of that court

868
00:36:58,610 --> 00:37:02,550
29

869
00:36:59,849 --> 00:37:05,730
I accept that the principles of specific

870
00:37:02,550 --> 00:37:07,410
deterrence have little part to play the

871
00:37:05,730 --> 00:37:09,358
evidence would suggest that Miss Bodnar

872
00:37:07,409 --> 00:37:12,059
is unlikely to commit a similar offense

873
00:37:09,358 --> 00:37:14,789
in the future even if she were to be in

874
00:37:12,059 --> 00:37:17,039
a position to do so but as I began those

875
00:37:14,789 --> 00:37:20,608
remarks on sentence general deterrence

876
00:37:17,039 --> 00:37:22,199
is of great significance children such

877
00:37:20,608 --> 00:37:24,059
as the child in this matter are

878
00:37:22,199 --> 00:37:26,759
defenseless and vulnerable particularly

879
00:37:24,059 --> 00:37:29,389
so when they are entirely dependent upon

880
00:37:26,760 --> 00:37:32,820
others for their nutrition and welfare

881
00:37:29,389 --> 00:37:35,789
30 well intentioned but seriously

882
00:37:32,820 --> 00:37:38,130
misguided advice is as the facts of this

883
00:37:35,789 --> 00:37:41,309
case demonstrate capable of causing

884

00:37:38,130 --> 00:37:44,039
great harm and even death to vulnerable

885
00:37:41,309 --> 00:37:46,529
children those giving such advice need

886
00:37:44,039 --> 00:37:48,960
to have it made clear to them that if

887
00:37:46,530 --> 00:37:51,330
they give such advice they need to make

888
00:37:48,960 --> 00:37:53,429
sure that it is not going to do harm and

889
00:37:51,329 --> 00:37:56,309
if they continue to give such advice

890
00:37:53,429 --> 00:38:00,569
they need to continue to ensure that no

891
00:37:56,309 --> 00:38:04,049
harm is being caused 31 it is a serious

892
00:38:00,570 --> 00:38:06,180
matter but not necessarily a crime to

893
00:38:04,050 --> 00:38:09,150
tell a breast-feeding mother to restrict

894
00:38:06,179 --> 00:38:12,029
her diet it is even more serious when

895
00:38:09,150 --> 00:38:14,309
such advice continues after being told

896
00:38:12,030 --> 00:38:16,769
that both the mother and the child have

897
00:38:14,309 --> 00:38:18,869
lost weight and it is serious in

898
00:38:16,769 --> 00:38:22,110

and highly criminal for such advice to

899

00:38:18,869 --> 00:38:24,420

continue to the state where a child was

900

00:38:22,110 --> 00:38:26,579

at risk of death within a few days in

901

00:38:24,420 --> 00:38:28,769

circumstances where the person giving me

902

00:38:26,579 --> 00:38:32,099

advice hadn't even seen the state the

903

00:38:28,769 --> 00:38:35,909

child was in as a result of his or her

904

00:38:32,099 --> 00:38:39,000

advice being followed 32 as part of his

905

00:38:35,909 --> 00:38:42,029

submissions mr. MIT Ray relied on a

906

00:38:39,000 --> 00:38:44,400

decision of a judge of this court when

907

00:38:42,030 --> 00:38:46,680

sentencing an offender for a charge of

908

00:38:44,400 --> 00:38:48,660

failure of a person with parental

909

00:38:46,679 --> 00:38:49,469

responsibility to provide appropriate

910

00:38:48,659 --> 00:38:52,710

care

911

00:38:49,469 --> 00:38:55,259

this is an unusual matter and I mean no

912

00:38:52,710 --> 00:38:58,170

criticism of mr. matray at all when I

913
00:38:55,260 --> 00:39:01,020
say that he was relying on a single case

914
00:38:58,170 --> 00:39:03,480
I am sure that it is the only case he

915
00:39:01,019 --> 00:39:05,969
could find but it remains the case that

916
00:39:03,480 --> 00:39:08,190
a single decision by another judge of

917
00:39:05,969 --> 00:39:09,929
this Court says very little indeed if

918
00:39:08,190 --> 00:39:14,460
anything about the sentence I should

919
00:39:09,929 --> 00:39:16,609
impose in the present case 33 I except

920
00:39:14,460 --> 00:39:21,210
of course that sentences of imprisonment

921
00:39:16,610 --> 00:39:24,570
very much sentences of last resort it is

922
00:39:21,210 --> 00:39:27,000
a serious thing to do to send a 62 year

923
00:39:24,570 --> 00:39:29,070
old woman with no criminal history to

924
00:39:27,000 --> 00:39:31,289
jail for the first time but I am

925
00:39:29,070 --> 00:39:33,240
satisfied that no other form of sentence

926
00:39:31,289 --> 00:39:36,449
would reflect the object gravity of her

927
00:39:33,239 --> 00:39:39,059
conduct and the need to deter others who

928
00:39:36,449 --> 00:39:42,929
may also give well-meaning but misguided

929
00:39:39,059 --> 00:39:44,940
advice of a medical nature which has the

930
00:39:42,929 --> 00:39:48,750
potential to cause great harm and even

931
00:39:44,940 --> 00:39:51,300
death 34 there are special circumstances

932
00:39:48,750 --> 00:39:53,159
in this case relating not only to this

933
00:39:51,300 --> 00:39:56,220
being the offender's first time in

934
00:39:53,159 --> 00:39:58,799
custody but also her age and the fact

935
00:39:56,219 --> 00:40:02,339
that she is displaying symptoms of

936
00:39:58,800 --> 00:40:05,550
anxiety and depression 35 i impose

937
00:40:02,340 --> 00:40:07,769
sentence as follows I said a non-parole

938
00:40:05,550 --> 00:40:10,980
period of seven months and a head

939
00:40:07,769 --> 00:40:13,650
sentence of 14 months to date from today

940
00:40:10,980 --> 00:40:18,409
5th of April 2018 the non-parole period

941

00:40:13,650 --> 00:40:22,030
will expire on the 4th of November 2018

942
00:40:18,409 --> 00:40:22,029
[Music]

943
00:40:22,969 --> 00:40:28,349
now I will link to that judgment in this

944
00:40:26,489 --> 00:40:30,269
week's show notes so you can peruse

945
00:40:28,349 --> 00:40:33,779
those for yourself but I found that

946
00:40:30,269 --> 00:40:36,000
absolutely fascinating to read that out

947
00:40:33,780 --> 00:40:39,090
and in fact I was learning a lot as I

948
00:40:36,000 --> 00:40:42,510
was reading it to you and I think it is

949
00:40:39,090 --> 00:40:45,960
a very important judgment to have I

950
00:40:42,510 --> 00:40:49,050
think we shall be referring to this in

951
00:40:45,960 --> 00:40:50,970
the future and as I said last week it

952
00:40:49,050 --> 00:40:53,940
sends a strong message to natural

953
00:40:50,969 --> 00:40:55,769
therapists that they are responsible

954
00:40:53,940 --> 00:40:57,710
legally responsible for the care of

955
00:40:55,769 --> 00:41:00,840

their patients or their clients a

956

00:40:57,710 --> 00:41:03,599

fascinating insight into the workings of

957

00:41:00,840 --> 00:41:05,490

our legal system here in Australia and a

958

00:41:03,599 --> 00:41:07,639

very important case for science and

959

00:41:05,489 --> 00:41:07,639

reason

960

00:41:09,440 --> 00:41:20,590

[Music]

961

00:41:28,159 --> 00:41:32,159

thank you for listening to the skeptic

962

00:41:30,748 --> 00:41:34,618

zone and thank you to those people who

963

00:41:32,159 --> 00:41:36,148

came along for the march for Sciences

964

00:41:34,619 --> 00:41:38,009

always good to march from the city

965

00:41:36,148 --> 00:41:40,889

streets especially with Maynard in tow

966

00:41:38,009 --> 00:41:42,539

and especially marching for science and

967

00:41:40,889 --> 00:41:45,568

thank you Adam Spencer for taking time

968

00:41:42,539 --> 00:41:47,969

out to talk to Maynard coming up on next

969

00:41:45,568 --> 00:41:50,909

week's show dr. Pauley returns with her

970
00:41:47,969 --> 00:41:53,039
random rant and she's going to be

971
00:41:50,909 --> 00:41:55,499
interviewing somebody about climate

972
00:41:53,039 --> 00:41:57,929
change and climate change arguments an

973
00:41:55,498 --> 00:42:01,048
interesting perspective a skeptical

974
00:41:57,929 --> 00:42:03,509
perspective that is to say not a climate

975
00:42:01,048 --> 00:42:06,329
change skeptic but somebody who has

976
00:42:03,509 --> 00:42:09,719
looked at all the arguments and figured

977
00:42:06,329 --> 00:42:12,028
out some good rebuttals also next week

978
00:42:09,719 --> 00:42:14,759
we're going to be bringing you news of a

979
00:42:12,028 --> 00:42:17,818
vaccination clinic coming up which may

980
00:42:14,759 --> 00:42:19,798
interest people in Sydney and soon on

981
00:42:17,818 --> 00:42:21,469
the skeptic zone we're going to be

982
00:42:19,798 --> 00:42:25,048
starting a series of interviews with

983
00:42:21,469 --> 00:42:26,849
speakers who are going to appear at the

984
00:42:25,048 --> 00:42:29,458
upcoming Australian skeptics National

985
00:42:26,849 --> 00:42:33,389
Convention later this year in October I

986
00:42:29,458 --> 00:42:36,838
think and bit-by-bit will be bringing

987
00:42:33,389 --> 00:42:39,630
you those interviews and we look forward

988
00:42:36,838 --> 00:42:42,358
to meeting all these people in person of

989
00:42:39,630 --> 00:42:45,269
course later on in the year for the

990
00:42:42,358 --> 00:42:47,668
skeptics convention more details over

991
00:42:45,268 --> 00:42:50,968
the coming months now as I look outside

992
00:42:47,668 --> 00:42:52,798
the window yeah it's still a bit of

993
00:42:50,969 --> 00:42:55,349
smoke out there it's strange you know

994
00:42:52,798 --> 00:42:57,559
you get these smoky you can smell it in

995
00:42:55,349 --> 00:43:02,579
the air too from fires that are burning

996
00:42:57,559 --> 00:43:05,219
on the outskirts of Sydney mmm I hope

997
00:43:02,579 --> 00:43:08,459
that doesn't get more serious is that

998

00:43:05,219 --> 00:43:15,028
climate change this hot this late in the

999
00:43:08,458 --> 00:43:17,489
year probably on that unsettling note

1000
00:43:15,028 --> 00:43:20,838
this is Richard Saunders signing off

1001
00:43:17,489 --> 00:43:20,838
from Sydney Australia

1002
00:43:22,320 --> 00:43:27,750
you've been listening to the skeptic

1003
00:43:24,849 --> 00:43:34,449
zone podcast please visit our website at

1004
00:43:27,750 --> 00:43:37,920
wwlp.com tax and to access the bat

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00:43:34,449 --> 00:43:40,599
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1011
00:43:52,900 --> 00:43:57,220
zone podcast is an independent

1012
00:43:55,269 --> 00:43:59,380

production reviews and opinions

1013

00:43:57,219 --> 00:44:01,569

expressed on the skeptic zone and not

1014

00:43:59,380 --> 00:44:04,539

necessarily those of Australian skeptics

1015

00:44:01,570 --> 00:44:10,989

or any other skeptical organization

1016

00:44:04,539 --> 00:44:10,989

[Music]