

Show 495

THE
**SKEPTIC
ZONE**
PODCAST

www.skepticzone.tv

15 April 2018



Sydney March For Science

Adam Spencer & Maynard

Maynard's Spook Action

March for Science 2018

Maynard interviews Adam Spencer.

Naturopath jailed. The sentencing

EXTREME diet naturopath has been sent to prison for her role in the baby starvation case.

1
00:00:09,080 --> 00:00:05,990

[Music]

2
00:00:11,830 --> 00:00:09,090

welcome to the skeptic zone the podcast

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

from Australia for science and reason

4
00:00:16,840 --> 00:00:13,920

[Music]

5
00:00:23,249 --> 00:00:16,850

[Applause]

6
00:00:25,870 --> 00:00:23,259

[Music]

7
00:00:30,479 --> 00:00:25,880

yes it's the skeptic zone podcast

8
00:00:32,889 --> 00:00:30,489

episode number 495 for the 15th of April

9
00:00:34,000 --> 00:00:32,899

2018 which had Saunders here with you

10
00:00:37,660 --> 00:00:34,010

from Sydney Australia

11
00:00:40,180 --> 00:00:37,670

bushfires fires around Sydney I can see

12
00:00:42,040 --> 00:00:40,190

the smoke out of the sceptic zone window

13
00:00:44,200 --> 00:00:42,050

it's a bushfire emergency right now

14

00:00:46,810 --> 00:00:44,210

we've had record-breaking temperatures

15

00:00:50,259 --> 00:00:46,820

this April today's a bit cooler

16

00:00:53,560 --> 00:00:50,269

ironically enough but there are worrying

17

00:00:55,329 --> 00:00:53,570

bushfires about but apart from the bush

18

00:00:57,189 --> 00:00:55,339

fires what's coming up on this week's

19

00:01:00,070 --> 00:00:57,199

show we're gonna start with Maynard

20

00:01:02,200 --> 00:01:00,080

spooky action Maynard was being

21

00:01:04,869 --> 00:01:02,210

particularly spooky yesterday in Sydney

22

00:01:08,499 --> 00:01:04,879

where he joined the March for science

23

00:01:11,170 --> 00:01:08,509

together with a gaggle of sceptics and a

24

00:01:14,920 --> 00:01:11,180

modest crowd I must admit this year

25

00:01:16,569 --> 00:01:14,930

anyway very interesting speakers and we

26
00:01:18,760 --> 00:01:16,579
marched through the streets of Sydney

27
00:01:22,120 --> 00:01:18,770
into Hyde Park marching for science

28
00:01:24,310 --> 00:01:22,130
interviews and some highlights from some

29
00:01:27,300 --> 00:01:24,320
of the talks and little snippets coming

30
00:01:30,149 --> 00:01:27,310
up with Maenads spooky action then a

31
00:01:33,040 --> 00:01:30,159
very nice and short message from the

32
00:01:37,420 --> 00:01:33,050
squaring the strange podcast Thank You

33
00:01:40,360 --> 00:01:37,430
Celestia for organizing that and they're

34
00:01:44,950 --> 00:01:40,370
celebrating one year of podcasting hey

35
00:01:47,380 --> 00:01:44,960
Ben and Pasquale only and Silesia only

36
00:01:51,100 --> 00:01:47,390
nine more years to go and you'll catch

37
00:01:55,060 --> 00:01:51,110
up to the sceptic zone good luck then we

38
00:01:58,210 --> 00:01:55,070

have something which is unusual for the

39

00:02:00,940 --> 00:01:58,220

skeptics own different I guess it's hard

40

00:02:02,649 --> 00:02:00,950

to say last week you will recall we

41

00:02:04,149 --> 00:02:02,659

brought you the story of the naturopath

42

00:02:07,960 --> 00:02:04,159

who's been sent to prison for at least

43

00:02:15,220 --> 00:02:07,970

seven months for her part in advising a

44

00:02:19,210 --> 00:02:15,230

mother to go on a raw diet which gravely

45

00:02:20,619 --> 00:02:19,220

affected her her son now the mother was

46

00:02:23,710 --> 00:02:20,629

breastfeeding at the time the son was

47

00:02:25,900 --> 00:02:23,720

very young a baby and this had very bad

48

00:02:28,839 --> 00:02:25,910

effects on the baby who lost a lot of

49

00:02:30,850 --> 00:02:28,849

weight and was only days away from death

50

00:02:34,090 --> 00:02:30,860

when his mother finally

51
00:02:39,130 --> 00:02:34,100
took the son to a GP and we told you

52
00:02:41,590 --> 00:02:39,140
that the naturopath Maryland bottner as

53
00:02:45,310 --> 00:02:41,600
we speak is already into her first week

54
00:02:48,700 --> 00:02:45,320
of her sentence at prison time well I'm

55
00:02:50,890 --> 00:02:48,710
going to read out the judges remarks in

56
00:02:52,240 --> 00:02:50,900
sentencing now these remarks are of

57
00:02:53,740 --> 00:02:52,250
public record of course and it was

58
00:02:56,710 --> 00:02:53,750
brought to my attention by our reporter

59
00:02:59,530 --> 00:02:56,720
Haley Robinson from the North Northern

60
00:03:02,740 --> 00:02:59,540
Rivers vaccination supporters and I read

61
00:03:04,510 --> 00:03:02,750
this determination or their remarks from

62
00:03:06,880 --> 00:03:04,520
the judge and I thought it was so

63
00:03:08,979 --> 00:03:06,890

interesting and so insightful that I'm

64

00:03:12,640 --> 00:03:08,989

reading it out to you today later on in

65

00:03:14,320 --> 00:03:12,650

the show you can see some of the the

66

00:03:17,680 --> 00:03:14,330

facts behind this case some of the

67

00:03:19,860 --> 00:03:17,690

thinking the judge would have had to or

68

00:03:22,930 --> 00:03:19,870

his thoughts and considering the the

69

00:03:25,420 --> 00:03:22,940

sentence that he ultimately imposed and

70

00:03:27,190 --> 00:03:25,430

again as I said last week this is a

71

00:03:30,100 --> 00:03:27,200

strong hopefully a strong message of

72

00:03:32,050 --> 00:03:30,110

warning to so-called natural therapists

73

00:03:35,229 --> 00:03:32,060

out there and apart from anything else I

74

00:03:39,550 --> 00:03:35,239

hope it gives you a window a look inside

75

00:03:40,930 --> 00:03:39,560

the New South Wales justice system well

76

00:03:42,400 --> 00:03:40,940

that's enough for me right now a short

77

00:03:44,530 --> 00:03:42,410

introduction this week I'm gonna run

78

00:03:46,509 --> 00:03:44,540

downstairs and have a peanut butter and

79

00:03:49,240 --> 00:03:46,519

honey sandwich peanut butter and honey

80

00:03:50,590 --> 00:03:49,250

sandwich I shouldn't eat so many peanut

81

00:03:54,850 --> 00:03:50,600

butter and honey sandwiches folks ah

82

00:03:57,390 --> 00:03:54,860

that they're so good will I do that I

83

00:04:08,910 --> 00:03:57,400

hope you enjoy the skeptic zone

84

00:04:08,920 --> 00:04:17,129

his main art spooky action at a distance

85

00:04:21,449 --> 00:04:19,199

hiya main out here it's the mass for

86

00:04:23,790 --> 00:04:21,459

science 2018 this is where we go and

87

00:04:25,589 --> 00:04:23,800

look at science we go wow what's that

88

00:04:28,200 --> 00:04:25,599

what's happening there who's that

89

00:04:30,989 --> 00:04:28,210

why is that and we'll be examining that

90

00:04:34,210 --> 00:04:30,999

Hall here in Martin Place in the Sydney

91

00:04:38,080 --> 00:04:36,340

well I'm just gonna have a wander around

92

00:04:39,220 --> 00:04:38,090

here to see what's going on okay here we

93

00:04:42,280 --> 00:04:39,230

go running running running running

94

00:04:44,080 --> 00:04:42,290

running honey another thing there is a

95

00:04:46,810 --> 00:04:44,090

person with a hat guy with a P hat

96

00:04:49,300 --> 00:04:46,820

person who's got a degree and a whole

97

00:04:51,280 --> 00:04:49,310

bunch of people here look there's people

98

00:04:53,890 --> 00:04:51,290

here have a rainbow thing going on

99

00:04:57,310 --> 00:04:53,900

waving now I have no credibility because

100

00:05:00,190 --> 00:04:57,320

obviously I didn't go university and I

101
00:05:03,160 --> 00:05:00,200
go back here and there's people thinking

102
00:05:05,170 --> 00:05:03,170
with coffee and he's a monument which

103
00:05:07,750 --> 00:05:05,180
actually represents the Barry Manilow

104
00:05:09,880 --> 00:05:07,760
release of I can't smile without you

105
00:05:14,140 --> 00:05:09,890
it's fantastic and I'm walking around

106
00:05:15,910 --> 00:05:14,150
here over here look science has solution

107
00:05:19,030 --> 00:05:15,920
is what's going on there there's a hat

108
00:05:22,480 --> 00:05:19,040
hat hat shorts a few things here so

109
00:05:24,880 --> 00:05:22,490
normally I could maybe sit here but

110
00:05:27,910 --> 00:05:24,890
unfortunately I never went to university

111
00:05:29,890 --> 00:05:27,920
you have to get up and one around

112
00:05:33,520 --> 00:05:29,900
excuse me may not hear from the sceptic

113
00:05:34,930 --> 00:05:33,530

zone I know some yeah okay I'm standing

114

00:05:37,210 --> 00:05:34,940

next to someone who actually knows what

115

00:05:38,740 --> 00:05:37,220

the table of elements means what are you

116

00:05:41,500 --> 00:05:38,750

studying at the moment occupational

117

00:05:44,350 --> 00:05:41,510

therapy okay now what's your favorite

118

00:05:45,780 --> 00:05:44,360

element my element is surprise what's

119

00:05:49,300 --> 00:05:45,790

yours

120

00:05:51,790 --> 00:05:49,310

gallium on one of the wacky ones exists

121

00:05:54,970 --> 00:05:51,800

for about three seconds in a NASA good

122

00:06:04,030 --> 00:05:54,980

carbon carbon she's a carbon fan thank

123

00:06:05,380 --> 00:06:04,040

you very much stand up move in towards

124

00:06:09,310 --> 00:06:05,390

the middle here because we are about to

125

00:06:12,520 --> 00:06:09,320

commence our proceedings for the day can

126

00:06:21,520 --> 00:06:12,530

I welcome you one and all on yet another

127

00:06:24,040 --> 00:06:21,530

record breaking Sydney for the 2018 my

128

00:06:25,930 --> 00:06:24,050

name is Adam Spencer on throat - Bering

129

00:06:27,370 --> 00:06:25,940

Sea here today let's start with a

130

00:06:28,630 --> 00:06:27,380

massive round of applause for me because

131

00:06:33,910 --> 00:06:28,640

I'm pretty awesome just to warm you up

132

00:06:35,350 --> 00:06:33,920

yes there you go we've got a few

133

00:06:37,480 --> 00:06:35,360

speeches before we will walk through

134

00:06:38,980 --> 00:06:37,490

this beautiful city of ours but first of

135

00:06:41,560 --> 00:06:38,990

all to welcome us all to country please

136

00:06:46,660 --> 00:06:41,570

welcome to the stage the wonderful uncle

137

00:06:49,450 --> 00:06:46,670

Alan Madden thank you once again my name

138

00:06:50,170 --> 00:06:49,460

is our moment catechol elder for my

139

00:06:52,820 --> 00:06:50,180

first song

140

00:06:56,060 --> 00:06:52,830

[Music]

141

00:06:58,220 --> 00:06:56,070

how he can run the be short time today's

142

00:06:59,900 --> 00:06:58,230

short this week and to the point

143

00:07:03,520 --> 00:06:59,910

it's always an honor and pleasure to

144

00:07:08,210 --> 00:07:03,530

lock one nor one and all the country

145

00:07:09,440 --> 00:07:08,220

where we are today is gadigal first of

146

00:07:12,530 --> 00:07:09,450

all I'd like to acknowledge our

147

00:07:15,860 --> 00:07:12,540

Aboriginal elders or elders past and

148

00:07:17,600 --> 00:07:15,870

present and pay our respects to all our

149

00:07:20,480 --> 00:07:17,610

Aboriginal and Torres Strait Islander

150

00:07:22,790 --> 00:07:20,490

brothers and sisters from whatever

151
00:07:26,630 --> 00:07:22,800
Aboriginal island nation you may have

152
00:07:28,820 --> 00:07:26,640
come from welcome to get eagle at all

153
00:07:31,640 --> 00:07:28,830
them non-indigenous brothers and sisters

154
00:07:34,910 --> 00:07:31,650
either day are very warm and sincere

155
00:07:37,520 --> 00:07:34,920
welcome to you at the gadigal no matter

156
00:07:39,830 --> 00:07:37,530
where you've come from so I went and

157
00:07:40,700 --> 00:07:39,840
with this story if any of you bid

158
00:07:44,090 --> 00:07:40,710
Cinderella

159
00:07:46,100 --> 00:07:44,100
it is a heart-wrenching story but

160
00:07:48,800 --> 00:07:46,110
there's lots we can learn about it and I

161
00:07:52,550 --> 00:07:48,810
think in some ways science is the new

162
00:07:54,980 --> 00:07:52,560
Cinderella did you know Cinderella was

163
00:07:59,530 --> 00:07:54,990

called Cinderella because she slept in

164

00:08:03,980 --> 00:07:59,540

the ashes in the cinders and she was

165

00:08:07,790 --> 00:08:03,990

living in the coal powered fireplace do

166

00:08:11,120 --> 00:08:07,800

you worry that our country Australia is

167

00:08:14,129 --> 00:08:11,130

covered in ashes and that we should be

168

00:08:21,719 --> 00:08:14,139

cleaning it out and closing down

169

00:08:24,149 --> 00:08:21,729

vision : fire stations and over Adri

170

00:08:26,580 --> 00:08:24,159

background in my search I learned that

171

00:08:29,040 --> 00:08:26,590

there's a great celestial aim you called

172

00:08:31,080 --> 00:08:29,050

you command in our entry language that

173

00:08:33,690 --> 00:08:31,090

indicates when a new eggs are available

174

00:08:36,719 --> 00:08:33,700

and ready to go collect there are also

175

00:08:37,949 --> 00:08:36,729

stars that show seasonal change as well

176
00:08:40,589 --> 00:08:37,959
as that and one of the most amazing

177
00:08:41,670 --> 00:08:40,599
things that I found was starved songs or

178
00:08:43,889 --> 00:08:41,680
was sold I'm sorry

179
00:08:45,930 --> 00:08:43,899
pods in the sky that show you the way on

180
00:08:48,810 --> 00:08:45,940
the ground that are now used in the New

181
00:08:50,699 --> 00:08:48,820
South Wales highway system now people

182
00:08:52,889 --> 00:08:50,709
often think that Aboriginal astronomy is

183
00:08:55,560 --> 00:08:52,899
just a bunch of star stories almost like

184
00:08:58,410 --> 00:08:55,570
astrology but that is a very common

185
00:09:00,120 --> 00:08:58,420
misconception thinly veiled within these

186
00:09:02,370 --> 00:09:00,130
stories are many lessons about

187
00:09:05,430 --> 00:09:02,380
Aboriginal law how to find food and

188
00:09:07,230 --> 00:09:05,440

astronomical concepts there is a deep a

189

00:09:08,280 --> 00:09:07,240

struggle for knowledge of the world

190

00:09:11,069 --> 00:09:08,290

around us

191

00:09:14,000 --> 00:09:11,079

based on evidence this involves

192

00:09:16,370 --> 00:09:14,010

observations pattern recognition logic

193

00:09:18,960 --> 00:09:16,380

prediction and skepticism

194

00:09:21,840 --> 00:09:18,970

however indigenous science is holistic

195

00:09:24,150 --> 00:09:21,850

and often seeks localized explanations

196

00:09:29,000 --> 00:09:24,160

these could be used to help mitigate the

197

00:09:32,939 --> 00:09:31,980

fantastic in particular those of you

198

00:09:34,560 --> 00:09:32,949

who've been to the trouble of bringing

199

00:09:37,980 --> 00:09:34,570

along some banners there's some great

200

00:09:40,829 --> 00:09:37,990

banners here I see basic science not BS

201
00:09:43,290 --> 00:09:40,839
I'll see you I'm a FEMINIST I see up and

202
00:09:45,060 --> 00:09:43,300
Adam liked it on a couple of us time to

203
00:09:46,949 --> 00:09:45,070
react here got your little beak of it

204
00:09:48,000 --> 00:09:46,959
the one that I like the very most hell

205
00:09:50,120 --> 00:09:48,010
we were just over there can you hold

206
00:09:53,220 --> 00:09:50,130
that one up alternative facts are

207
00:09:55,710 --> 00:09:53,230
alternative facts are square root of -1

208
00:09:58,439 --> 00:09:55,720
yeah yeah you don't mean complex do you

209
00:10:01,610 --> 00:09:58,449
no no imaginary get it and that the

210
00:10:04,970 --> 00:10:01,620
Argan died tough crowd today

211
00:10:07,010 --> 00:10:04,980
I also got to give a big round of

212
00:10:08,780 --> 00:10:07,020
applause but we will do it in the Auslan

213
00:10:10,340 --> 00:10:08,790

way for the wonderful Danny who's been

214

00:10:12,200 --> 00:10:10,350

Auslan interpreting today if you don't

215

00:10:15,710 --> 00:10:12,210

know the Auslan round of applauses hands

216

00:10:17,720 --> 00:10:15,720

above your head like that well I mean

217

00:10:18,170 --> 00:10:17,730

with a few people here with Jessica how

218

00:10:19,910 --> 00:10:18,180

are you

219

00:10:21,170 --> 00:10:19,920

I'm extremely well thank you you know

220

00:10:23,360 --> 00:10:21,180

what'd you think was the beef what was

221

00:10:26,510 --> 00:10:23,370

the big moment for Masterson's

222

00:10:29,390 --> 00:10:26,520

this wee year the big moment ah the

223

00:10:33,260 --> 00:10:29,400

point about not having a science

224

00:10:35,660 --> 00:10:33,270

Minister which means that we're pretty

225

00:10:38,450 --> 00:10:35,670

much directionless in terms of good

226

00:10:40,640 --> 00:10:38,460

science policy in government I thought

227

00:10:47,240 --> 00:10:40,650

John Singleton was out science Minister

228

00:10:48,380 --> 00:10:47,250

I've got the wrong guy okay if we could

229

00:10:51,200 --> 00:10:48,390

have a science minister who would be the

230

00:10:52,970 --> 00:10:51,210

best person you think oh that's a big

231

00:10:55,100 --> 00:10:52,980

one

232

00:10:56,150 --> 00:10:55,110

Jeffrey Robbins I reckon be kind of cool

233

00:10:59,630 --> 00:10:56,160

he's a cool guy

234

00:11:01,850 --> 00:10:59,640

gonna come down here and people are

235

00:11:03,800 --> 00:11:01,860

gonna go bang bang bang science they're

236

00:11:05,810 --> 00:11:03,810

gonna do some waveforms they're gonna do

237

00:11:07,460 --> 00:11:05,820

some very serious stuff and they will

238

00:11:11,120 --> 00:11:07,470

pass us by and I'll be looking confused

239

00:11:13,460 --> 00:11:11,130

so look out for that people here we see

240

00:11:15,380 --> 00:11:13,470

the 2018 march for science

241

00:11:16,730 --> 00:11:15,390

what are they marching for well a whole

242

00:11:18,590 --> 00:11:16,740

bunch of stuff that you go to you need

243

00:11:21,500 --> 00:11:18,600

to learn like gallium and by the way I'm

244

00:11:23,660 --> 00:11:21,510

wearing the elements here what is my

245

00:11:26,240 --> 00:11:23,670

favorite element the element of surprise

246

00:11:28,460 --> 00:11:26,250

see love that cuz I didn't do it arts

247

00:11:35,510 --> 00:11:28,470

and that's a bit okay here we go here we

248

00:11:37,370 --> 00:11:35,520

go I'm gonna walk in here I'm walking

249

00:11:39,680 --> 00:11:37,380

along as if I went to Newcastle

250

00:11:42,170 --> 00:11:39,690

University for longer than the day these

251
00:11:46,550 --> 00:11:42,180
people spent three years there some of

252
00:11:47,810 --> 00:11:46,560
them even longer yes it's the maths for

253
00:11:51,050 --> 00:11:47,820
science because science has just been

254
00:11:52,910 --> 00:11:51,060
put in the gutter tramped on made like a

255
00:11:55,910 --> 00:11:52,920
paper airplane and flown into the corner

256
00:11:57,110 --> 00:11:55,920
of the room and beaten up but this is a

257
00:11:57,470 --> 00:11:57,120
very important thing look at these

258
00:12:02,920 --> 00:11:57,480
people

259
00:12:07,820 --> 00:12:02,930
a lot smarter than me let me tell you

260
00:12:24,270 --> 00:12:07,830
every single one goose nan goose not to

261
00:12:29,650 --> 00:12:26,220
[Applause]

262
00:12:31,840 --> 00:12:29,660
yep it goes like what do you want proof

263
00:12:34,660 --> 00:12:31,850

of the Heisenberg principle because it's

264

00:12:39,910 --> 00:12:34,670

difficult not a great chat but it works

265

00:12:43,710 --> 00:12:39,920

for me and here comes the that's the

266

00:12:46,210 --> 00:12:43,720

Heisenberg principle congratulations

267

00:12:49,870 --> 00:12:46,220

yes system skeptic see who we got here

268

00:12:51,190 --> 00:12:49,880

it's Ian price and Nick Andrew look now

269

00:12:53,620 --> 00:12:51,200

both you are marching for science

270

00:12:56,740 --> 00:12:53,630

I've been marching for the the

271

00:12:57,670 --> 00:12:56,750

Heisenberg uncertainty principle and we

272

00:12:59,710 --> 00:12:57,680

doesn't worked out for me

273

00:13:02,800 --> 00:12:59,720

I'm pretty sure you've been because no

274

00:13:04,240 --> 00:13:02,810

one knows where I am yes actually what's

275

00:13:07,210 --> 00:13:04,250

your favorite moment of science because

276

00:13:09,370 --> 00:13:07,220

you a physics guy what's your theme okay

277

00:13:12,490 --> 00:13:09,380

well I like general relativity that's

278

00:13:15,010 --> 00:13:12,500

what I lecture in at the moment colleges

279

00:13:16,870 --> 00:13:15,020

so the warping of space-time is my

280

00:13:18,430 --> 00:13:16,880

favorite I use a banana to illustrate

281

00:13:21,310 --> 00:13:18,440

the effect of black holes creating

282

00:13:23,020 --> 00:13:21,320

gravitation Newtonian is fine because as

283

00:13:24,520 --> 00:13:23,030

we look around the Newtonian stuff just

284

00:13:28,960 --> 00:13:24,530

fine you and your bloody Einstein stuff

285

00:13:31,030 --> 00:13:28,970

at so eighteen hundreds in 1600 that's

286

00:13:33,130 --> 00:13:31,040

true and what's your motive hi Angela

287

00:13:34,600 --> 00:13:33,140

well I haven't mastered general

288

00:13:36,940 --> 00:13:34,610

relativity yet but I think I'm pretty

289

00:13:38,770 --> 00:13:36,950

cool with special theory of relativity I

290

00:13:39,420 --> 00:13:38,780

think I've got that under wraps what's

291

00:13:43,660 --> 00:13:39,430

the difference

292

00:13:46,030 --> 00:13:43,670

special theory is much more special okay

293

00:13:48,900 --> 00:13:46,040

so either you had a bit of a chat with a

294

00:13:52,000 --> 00:13:48,910

flat earther conspiracy person at all

295

00:13:55,090 --> 00:13:52,010

one of my Twitter friends Andrews cake

296

00:13:58,510 --> 00:13:55,100

is currently engaged in fighting the

297

00:14:00,880 --> 00:13:58,520

Flat Earth and he I'm not sure if he's

298

00:14:04,120 --> 00:14:00,890

convinced anybody about the earth being

299

00:14:06,040 --> 00:14:04,130

actually an oblate spheroid union but

300

00:14:06,960 --> 00:14:06,050

it's just a sad reflection on society

301
00:14:09,900 --> 00:14:06,970
and

302
00:14:11,100 --> 00:14:09,910
today that there is a bunch of people

303
00:14:13,500 --> 00:14:11,110
out there who actually believe this

304
00:14:15,540 --> 00:14:13,510
nonsense and what your favorite science

305
00:14:17,010 --> 00:14:15,550
busting you like to do science busting

306
00:14:18,900 --> 00:14:17,020
yeah what do you like to you hey that's

307
00:14:20,610 --> 00:14:18,910
wrong oh god I people who say you can't

308
00:14:23,280 --> 00:14:20,620
prove there isn't a god will I say well

309
00:14:24,930 --> 00:14:23,290
I do in my lectures pretty well look

310
00:14:27,360 --> 00:14:24,940
it's currently proven negative so you're

311
00:14:29,610 --> 00:14:27,370
out there doing and indeed and yeah

312
00:14:31,050 --> 00:14:29,620
yes the real book of physics but don't

313
00:14:32,540 --> 00:14:31,060

you have to cover everything if you're

314

00:14:35,010 --> 00:14:32,550

gonna like prove a negative

315

00:14:37,440 --> 00:14:35,020

science has mega science has covered

316

00:14:38,970 --> 00:14:37,450

everything pretty well in the here and

317

00:14:42,540 --> 00:14:38,980

now in this everything since the Big

318

00:14:43,950 --> 00:14:42,550

Bang has been explained pretty well by

319

00:14:46,260 --> 00:14:43,960

science and there are no gaps through

320

00:14:48,510 --> 00:14:46,270

which a God could intervene any God on

321

00:14:50,700 --> 00:14:48,520

this here and now and on planet Earth so

322

00:14:52,710 --> 00:14:50,710

let that can be backed up in an hour or

323

00:14:53,970 --> 00:14:52,720

so of are you saying the love of Jesus

324

00:14:58,350 --> 00:14:53,980

Christ in your heart that you think goes

325

00:15:00,780 --> 00:14:58,360

before it's just a weed feeling well

326

00:15:02,160 --> 00:15:00,790

there are so many different gods so and

327

00:15:04,290 --> 00:15:02,170

they will hate each other so how can

328

00:15:05,550 --> 00:15:04,300

they all be right so as much safer to be

329

00:15:06,540 --> 00:15:05,560

a secularist that's why I'm in the

330

00:15:09,840 --> 00:15:06,550

secular party

331

00:15:11,610 --> 00:15:09,850

what's the female goddess that does the

332

00:15:14,460 --> 00:15:11,620

battlefield stuff free it Freya Freya

333

00:15:17,280 --> 00:15:14,470

Freya that's Mike yeah Freya she's cool

334

00:15:18,360 --> 00:15:17,290

yeah France the Germanic yeah the speed

335

00:15:22,350 --> 00:15:18,370

of light after the Big Bang

336

00:15:23,970 --> 00:15:22,360

no it's not going but did you take the

337

00:15:25,410 --> 00:15:23,980

measurement you'll get the results in

338

00:15:27,210 --> 00:15:25,420

the speed

339

00:15:29,550 --> 00:15:27,220

theoretically the far parts of the

340

00:15:31,560 --> 00:15:29,560

universe are going faster than the speed

341

00:15:33,720 --> 00:15:31,570

of light but if you take a measurement

342

00:15:35,400 --> 00:15:33,730

they'll be the smallest so I'm wondering

343

00:15:38,430 --> 00:15:35,410

long with Ian he's telling me some

344

00:15:39,600 --> 00:15:38,440

physics stuff so here's the thing when

345

00:15:41,699 --> 00:15:39,610

you're walking along with someone who

346

00:15:43,829 --> 00:15:41,709

knows quantum physics what you do is you

347

00:15:46,050 --> 00:15:43,839

just nod quietly and pretend you

348

00:15:48,810 --> 00:15:46,060

understand what's being said and you say

349

00:15:52,410 --> 00:15:48,820

stuff like oh Planck time and like oh

350

00:15:53,940 --> 00:15:52,420

look at that isn't that a nice car Wow I

351

00:15:57,300 --> 00:15:53,950

wouldn't have thought he's doing that

352

00:16:00,120 --> 00:15:57,310

and then you go look at well here we are

353

00:16:02,639 --> 00:16:00,130

the people have gathered in the park

354

00:16:03,650 --> 00:16:02,649

it's all gone just a bit sciency there's

355

00:16:07,650 --> 00:16:03,660

a whole bunch of people hanging around

356

00:16:09,470 --> 00:16:07,660

talking saying stuff and over here

357

00:16:11,730 --> 00:16:09,480

there's a few of the rigorous skeptics

358

00:16:13,019 --> 00:16:11,740

hello may not hear like what do you

359

00:16:15,870 --> 00:16:13,029

think of this year's at march for

360

00:16:17,670 --> 00:16:15,880

science all right you know there's

361

00:16:18,240 --> 00:16:17,680

people here it's modest there we go it's

362

00:16:20,690 --> 00:16:18,250

modest

363

00:16:22,710 --> 00:16:20,700

mmm ok so what was your favorite moment

364

00:16:24,300 --> 00:16:22,720

well the speeches were pretty good at

365

00:16:25,889 --> 00:16:24,310

the beginning we had heard some from

366

00:16:26,880 --> 00:16:25,899

some excellent speakers I think some

367

00:16:28,860 --> 00:16:26,890

people are very very passionate about

368

00:16:31,380 --> 00:16:28,870

science it was good hearing from Kristin

369

00:16:33,960 --> 00:16:31,390

banks again pharmacology gets missed out

370

00:16:35,910 --> 00:16:33,970

not one mention of MDMA not a mention of

371

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

that at all no mission objective fit

372

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

Amin nothing but it's still objectively

373

00:16:43,500 --> 00:16:40,600

early on a Saturday so people are still

374

00:16:46,170 --> 00:16:43,510

recovering now when you look around you

375

00:16:47,340 --> 00:16:46,180

actually know scientists so what the

376

00:16:50,880 --> 00:16:47,350

heart of science do you think these

377

00:16:52,680 --> 00:16:50,890

people will be working on are they know

378

00:16:54,449 --> 00:16:52,690

anything and everything I reckon we've

379

00:16:56,189 --> 00:16:54,459

definitely got physicists we've got

380

00:16:57,840 --> 00:16:56,199

astrophysicists we've got climate

381

00:16:59,670 --> 00:16:57,850

scientists you definitely got some

382

00:17:01,050 --> 00:16:59,680

biologists I think we've got a pretty

383

00:17:04,700 --> 00:17:01,060

decent spectrum there's even

384

00:17:06,890 --> 00:17:04,710

mathematicians but is it as I am

385

00:17:08,240 --> 00:17:06,900

now behind me is someone who's a lot

386

00:17:10,100 --> 00:17:08,250

smarter than me he's named out of

387

00:17:11,990 --> 00:17:10,110

Spencer I was spoken to before I am hi

388

00:17:13,840 --> 00:17:12,000

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

389

00:17:17,320 --> 00:17:13,850

buddy oh pretty good be a periodic

390

00:17:19,370 --> 00:17:17,330

what's your favorite element gallium

391

00:17:20,750 --> 00:17:19,380

ammonium one of the ones only lasts

392

00:17:23,420 --> 00:17:20,760

about three seconds

393

00:17:25,130 --> 00:17:23,430

carbon goes pretty good carpet he's a

394

00:17:27,230 --> 00:17:25,140

carbon guy why is that well because

395

00:17:28,850 --> 00:17:27,240

obviously smell it in the barbecue have

396

00:17:30,470 --> 00:17:28,860

ins got a bit of a bad rap at the moment

397

00:17:32,180 --> 00:17:30,480

with its involvement in CO_2 carbon is

398

00:17:33,950 --> 00:17:32,190

the basis of life it's all there in

399

00:17:36,410 --> 00:17:33,960

these magical little map here you know

400

00:17:38,870 --> 00:17:36,420

that the the incredible amount of human

401
00:17:40,820 --> 00:17:38,880
thought that that table represents that

402
00:17:43,910 --> 00:17:40,830
you can build a basic table that

403
00:17:46,250 --> 00:17:43,920
explains the structure of almost all the

404
00:17:47,690 --> 00:17:46,260
stuff in the universe that's true and

405
00:17:49,370 --> 00:17:47,700
there's nitrous oxide to it which is

406
00:17:50,810 --> 00:17:49,380
fantastic Zakia can't complain about the

407
00:17:51,830 --> 00:17:50,820
old nitrous oxide my friend here and

408
00:17:53,270 --> 00:17:51,840
what did you feel when you were actually

409
00:17:54,980 --> 00:17:53,280
chatting to the people at the mass for

410
00:17:56,120 --> 00:17:54,990
science at about the crowd and they're

411
00:17:57,710 --> 00:17:56,130
looking at you why how are you feeling

412
00:17:59,930 --> 00:17:57,720
there was it like while what was going

413
00:18:02,030 --> 00:17:59,940

on it's just right to be in a group who

414

00:18:04,310 --> 00:18:02,040

are united by a common belief in the

415

00:18:06,590 --> 00:18:04,320

power of the human mind to think

416

00:18:07,970 --> 00:18:06,600

rationally approach our problems to get

417

00:18:09,410 --> 00:18:07,980

a greater understanding of the universe

418

00:18:11,450 --> 00:18:09,420

and what we should do what's your

419

00:18:13,400 --> 00:18:11,460

favorite discipline in science what is

420

00:18:15,680 --> 00:18:13,410

it come a the Mattocks the more pure the

421

00:18:17,450 --> 00:18:15,690

mathematics the less application to the

422

00:18:19,220 --> 00:18:17,460

real world the better as far as I'm

423

00:18:20,360 --> 00:18:19,230

concerned that means he likes physics

424

00:18:22,400 --> 00:18:20,370

and that's when that's when I

425

00:18:25,010 --> 00:18:22,410

disconnected with science because I got

426

00:18:26,060 --> 00:18:25,020

to like equations and physics and it

427

00:18:28,400 --> 00:18:26,070

scared me I'll tell you something

428

00:18:31,130 --> 00:18:28,410

incredible about physics okay 1932 a guy

429

00:18:33,230 --> 00:18:31,140

called chadwick discovers the neutron so

430

00:18:35,090 --> 00:18:33,240

it's in 1932 that we get that model of

431

00:18:36,530 --> 00:18:35,100

the atom that we all saw remember the

432

00:18:38,930 --> 00:18:36,540

protons and the neutrons and then on the

433

00:18:41,180 --> 00:18:38,940

electrons if we like that in 1932 so

434

00:18:43,130 --> 00:18:41,190

from the beginning of humans whatever

435

00:18:44,780 --> 00:18:43,140

you want to call human thinking whatever

436

00:18:46,250 --> 00:18:44,790

you want to call thinking whether that's

437

00:18:48,320 --> 00:18:46,260

two hundred thousand years or two meters

438

00:18:50,120 --> 00:18:48,330

or whatever asking the most fundamental

439

00:18:52,160 --> 00:18:50,130

question what is stuff it takes us all

440

00:18:55,220 --> 00:18:52,170

of that time up to 1932 to get the three

441

00:18:58,130 --> 00:18:55,230

fundamental particles today one lifetime

442

00:19:01,780 --> 00:18:58,140

onwards from 32 to 2018 we've gone from

443

00:19:04,700 --> 00:19:01,790

three fundamental particles to 61

444

00:19:07,280 --> 00:19:04,710

fundamental particles this is the age of

445

00:19:08,570 --> 00:19:07,290

physics this is this explosion in

446

00:19:10,430 --> 00:19:08,580

knowledge of the cutting edge that sort

447

00:19:13,790 --> 00:19:10,440

of stuff that yet we've jumped forward

448

00:19:17,180 --> 00:19:13,800

20 times as far as we had in all human

449

00:19:18,440 --> 00:19:17,190

history in the last lifetime I know got

450

00:19:20,239 --> 00:19:18,450

a lot of people to meet and shake

451

00:19:22,549 --> 00:19:20,249

for science net but how do you go with

452

00:19:24,499 --> 00:19:22,559

quantum physics cuz you have a big brain

453

00:19:26,119 --> 00:19:24,509

for maths and that is just like out of

454

00:19:28,190 --> 00:19:26,129

the park how do you go with that the

455

00:19:29,749 --> 00:19:28,200

idea that we know since no and that's

456

00:19:31,789 --> 00:19:29,759

the beautiful thing about it it makes no

457

00:19:34,729 --> 00:19:31,799

sense to our limited brains but we know

458

00:19:36,680 --> 00:19:34,739

at least some of it must be right so the

459

00:19:37,879 --> 00:19:36,690

challenge then becomes for us to throw

460

00:19:39,169 --> 00:19:37,889

our brains at the topic and get better

461

00:19:40,700 --> 00:19:39,179

at it but the fact that our minds can

462

00:19:42,950 --> 00:19:40,710

even perceive the fact that there's a

463

00:19:44,840 --> 00:19:42,960

quantum size of things in a quantum

464

00:19:46,430 --> 00:19:44,850

world in which it appears as though

465

00:19:48,049 --> 00:19:46,440

particles can be in two places at one

466

00:19:50,239 --> 00:19:48,059

time or things can talk to each other

467

00:19:51,470 --> 00:19:50,249

not really quickly but instantly and we

468

00:19:53,749 --> 00:19:51,480

don't know how the information transfers

469

00:19:55,460 --> 00:19:53,759

mind blowing but at the same time how

470

00:19:57,289 --> 00:19:55,470

blessed are we to be the only life form

471

00:19:59,450 --> 00:19:57,299

on this planet that can even conceive of

472

00:20:00,950 --> 00:19:59,460

it and for people out there like from

473

00:20:02,149 --> 00:20:00,960

Birmingham Gardens in Newcastle and

474

00:20:03,710 --> 00:20:02,159

going what's this bloody science thing

475

00:20:05,239 --> 00:20:03,720

what's the best way in one sentence you

476
00:20:08,450 --> 00:20:05,249
can explain why science is important to

477
00:20:10,249 --> 00:20:08,460
them the essence of being human is to

478
00:20:13,249 --> 00:20:10,259
look at the universe and understand what

479
00:20:15,379 --> 00:20:13,259
or wonder what's going on of all the

480
00:20:18,259 --> 00:20:15,389
different tools we have in the toolkit

481
00:20:20,359 --> 00:20:18,269
science is profoundly the best way to

482
00:20:20,779 --> 00:20:20,369
understand the questions we all want the

483
00:20:22,340 --> 00:20:20,789
answers to

484
00:20:23,629 --> 00:20:22,350
sure I've embarrassed that I don't know

485
00:20:25,700 --> 00:20:23,639
much about it because I'm having got a

486
00:20:28,669 --> 00:20:25,710
great brain you'd want one you do have

487
00:20:30,379 --> 00:20:28,679
an amazing brain secondly not math but

488
00:20:32,779 --> 00:20:30,389

man I tell you I'm never too late to

489

00:20:35,840 --> 00:20:32,789

start my friend remember that thank you

490

00:20:37,999 --> 00:20:35,850

Adam well that's it for the match for

491

00:20:39,919 --> 00:20:38,009

science zombie up zombie down zombie out

492

00:20:42,229 --> 00:20:39,929

of town I'm just hiding up the rude bit

493

00:20:44,239 --> 00:20:42,239

which is that science that basically oh

494

00:20:46,159 --> 00:20:44,249

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

495

00:20:48,139 --> 00:20:46,169

can't stop the music but if the Village

496

00:20:50,539 --> 00:20:48,149

People were a fountain that would be it

497

00:20:52,129 --> 00:20:50,549

if we were at a master science this is

498

00:20:53,869 --> 00:20:52,139

it I'm just going to go and learn some

499

00:21:04,060 --> 00:20:53,879

stuff and hopefully I can pretend I was

500

00:21:04,070 --> 00:21:16,650

[Music]

501
00:21:21,730 --> 00:21:19,450
this is Ben Radford and Celestia Ward

502
00:21:24,400 --> 00:21:21,740
and Pasqual Romero from the podcast

503
00:21:27,070 --> 00:21:24,410
squaring the strange we talk monsters

504
00:21:29,560 --> 00:21:27,080
mysteries fallacies and the latest in

505
00:21:31,299 --> 00:21:29,570
whoo we also do deep dives into topics

506
00:21:33,159 --> 00:21:31,309
that might not appear to be a skeptical

507
00:21:35,140 --> 00:21:33,169
subject on the surface yep

508
00:21:37,750 --> 00:21:35,150
topics like fairy tales psychology

509
00:21:41,289 --> 00:21:37,760
treasure hunting trolls and even heavy

510
00:21:43,990 --> 00:21:41,299
metal we celebrated our one-year on the

511
00:21:45,460 --> 00:21:44,000
air with over 55,000 downloads from

512
00:21:47,860 --> 00:21:45,470
listeners all over the world to

513
00:21:50,289 --> 00:21:47,870

celebrate been gave us flying metal pig

514

00:21:52,000 --> 00:21:50,299

sculptures not as cool as origami ones

515

00:21:55,120 --> 00:21:52,010

but still pretty neat I named mine

516

00:21:57,070 --> 00:21:55,130

Francis Bacon anyway we've also done a

517

00:21:59,020 --> 00:21:57,080

lot of upgrading over the last year we

518

00:22:01,360 --> 00:21:59,030

record through the latest in studio gear

519

00:22:03,490 --> 00:22:01,370

including a brand-new rackmount

520

00:22:05,230 --> 00:22:03,500

compressor gate with auto dynamic attack

521

00:22:08,440 --> 00:22:05,240

and release controls true rms power

522

00:22:10,419 --> 00:22:08,450

summing XLR and TRS inputs and outputs

523

00:22:11,980 --> 00:22:10,429

top of the line gate timing algorithm

524

00:22:13,659 --> 00:22:11,990

ask well what does any of that even mean

525

00:22:15,580 --> 00:22:13,669

I don't know but the lights are pretty

526

00:22:17,320 --> 00:22:15,590

they are they're blinking and everything

527

00:22:19,390 --> 00:22:17,330

it's awesome it's like lives in ghost

528

00:22:21,460 --> 00:22:19,400

hunting gear and of course Lester is now

529

00:22:23,440 --> 00:22:21,470

a co-host on top of doing editing

530

00:22:25,180 --> 00:22:23,450

producing and sending out skeptic rates

531

00:22:26,860 --> 00:22:25,190

I'm also a cat herder

532

00:22:28,330 --> 00:22:26,870

thank you Richard for being so

533

00:22:29,860 --> 00:22:28,340

supportive of the show and helping us

534

00:22:32,169 --> 00:22:29,870

grow beyond anything we could have done

535

00:22:34,060 --> 00:22:32,179

ourselves you and the skeptic zone are

536

00:22:36,039 --> 00:22:34,070

an inspiration and we wouldn't have made

537

00:22:40,890 --> 00:22:36,049

it this far without you thank you thanks

538

00:22:54,280 --> 00:22:51,810

[Music]

539

00:22:55,870 --> 00:22:54,290

here's a follow-up to the story we

540

00:22:58,240 --> 00:22:55,880

brought you last week about the

541

00:23:00,580 --> 00:22:58,250

naturopath Maryland mod nur being

542

00:23:02,980 --> 00:23:00,590

sentenced to 14 months imprisonment with

543

00:23:06,360 --> 00:23:02,990

a seven-month non-role period

544

00:23:09,010 --> 00:23:06,370

I thought I would read you the judgment

545

00:23:11,230 --> 00:23:09,020

handed down and this comes to us from

546

00:23:15,100 --> 00:23:11,240

the district court of New South Wales

547

00:23:19,350 --> 00:23:15,110

and this was handed down by judge Berman

548

00:23:22,450 --> 00:23:19,360

[Music]

549

00:23:24,720 --> 00:23:22,460

sentence one many people in the

550

00:23:27,190 --> 00:23:24,730

community shun conventional medicine

551
00:23:29,830 --> 00:23:27,200
others regard alternative medical

552
00:23:32,740 --> 00:23:29,840
treatment as being complementary to

553
00:23:35,200 --> 00:23:32,750
conventional medicine the criminal law

554
00:23:37,630 --> 00:23:35,210
does not often get involved in the

555
00:23:40,300 --> 00:23:37,640
choice of a person to give or accept

556
00:23:41,860 --> 00:23:40,310
advice based on alternatives to

557
00:23:44,350 --> 00:23:41,870
conventional medicine

558
00:23:46,960 --> 00:23:44,360
thus people are perfectly entitled to

559
00:23:48,910 --> 00:23:46,970
portray themselves as being able to cure

560
00:23:51,760 --> 00:23:48,920
illnesses through the placement of

561
00:23:54,490 --> 00:23:51,770
crystals on the body the use of highly

562
00:23:58,150 --> 00:23:54,500
diluted solutions and the eating of

563
00:24:00,880 --> 00:23:58,160

activated Hartman's - but the criminal

564

00:24:03,700 --> 00:24:00,890

law does get involved when harm results

565

00:24:06,220 --> 00:24:03,710

from dangerous advice and where gross

566

00:24:09,190 --> 00:24:06,230

recklessness in the giving of such

567

00:24:12,460 --> 00:24:09,200

advice leads to a significant risk of

568

00:24:14,890 --> 00:24:12,470

death those who purport to be qualified

569

00:24:17,140 --> 00:24:14,900

to give medical advice where the doctors

570

00:24:20,830 --> 00:24:17,150

are not have an obligation to provide

571

00:24:24,070 --> 00:24:20,840

advice which is based on proved results

572

00:24:27,400 --> 00:24:24,080

not merely fake science and faith and

573

00:24:29,470 --> 00:24:27,410

those who give advice with the potential

574

00:24:32,980 --> 00:24:29,480

to harm others have an obligation to

575

00:24:35,920 --> 00:24:32,990

ensure that continued acceptance of that

576

00:24:38,770 --> 00:24:35,930

advice does not lead as in this case to

577

00:24:41,560 --> 00:24:38,780

a real possibility that the well-meaning

578

00:24:44,830 --> 00:24:41,570

but seriously misguided advice causes

579

00:24:47,470 --> 00:24:44,840

the risk of death of an innocent child 3

580

00:24:50,740 --> 00:24:47,480

in this case the advice given by the

581

00:24:53,410 --> 00:24:50,750

offender Marilyn Bodnar to the mother of

582

00:24:53,950 --> 00:24:53,420

a child with eczema almost led to that

583

00:24:56,230 --> 00:24:53,960

child's

584

00:24:59,139 --> 00:24:56,240

death the advice should probably never

585

00:25:01,299 --> 00:24:59,149

been given in the first place but the

586

00:25:03,220 --> 00:25:01,309

fact that ms Bodnar continued to give

587

00:25:06,760 --> 00:25:03,230

that advice in the face of evidence of

588

00:25:09,100 --> 00:25:06,770

the harm that was being caused and in

589

00:25:11,350 --> 00:25:09,110

the absence of ms Bodnar's monitoring of

590

00:25:14,260 --> 00:25:11,360

the condition of the child meant that it

591

00:25:18,190 --> 00:25:14,270

was seriously criminal behavior to

592

00:25:21,430 --> 00:25:18,200

continue giving such flawed advice for

593

00:25:23,169 --> 00:25:21,440

the protection of children from harm is

594

00:25:25,779 --> 00:25:23,179

one of the most important aspects of the

595

00:25:27,940 --> 00:25:25,789

criminal law and where offenses are

596

00:25:30,519 --> 00:25:27,950

committed against children principles of

597

00:25:33,159 --> 00:25:30,529

general deterrence usually of

598

00:25:34,810 --> 00:25:33,169

considerable importance that principle

599

00:25:38,200 --> 00:25:34,820

is one to which full weight should be

600

00:25:40,299 --> 00:25:38,210

given in this sentencing exercise and it

601
00:25:43,299 --> 00:25:40,309
explains the sentence I will ultimately

602
00:25:45,399 --> 00:25:43,309
impose on the offender five before

603
00:25:47,620 --> 00:25:45,409
proceeding I will remind those present

604
00:25:50,230 --> 00:25:47,630
that there is to be no publication of

605
00:25:53,260 --> 00:25:50,240
any evidence which will identify or tend

606
00:25:55,090 --> 00:25:53,270
to identify the name of the child for

607
00:25:58,990 --> 00:25:55,100
the purposes of this judgment I will

608
00:26:02,139 --> 00:25:59,000
give him the pseudonym Tony six he was

609
00:26:03,789 --> 00:26:02,149
born in early October 2014 when he was

610
00:26:05,560 --> 00:26:03,799
four months old he was found to be

611
00:26:08,409 --> 00:26:05,570
developing at a normal pace but

612
00:26:10,930 --> 00:26:08,419
diagnosed with eczema a specialist saw

613
00:26:13,180 --> 00:26:10,940

him on the 23rd of February 2015 the

614

00:26:16,659 --> 00:26:13,190

specialist explained that the eczema

615

00:26:18,340 --> 00:26:16,669

could not be cured only treated the

616

00:26:21,549 --> 00:26:18,350

specialist provided appropriate advice

617

00:26:24,870 --> 00:26:21,559

to Tony's mother and booked him in for a

618

00:26:27,159 --> 00:26:24,880

skin prick test to test for allergens an

619

00:26:28,990 --> 00:26:27,169

appointment was made to discuss the

620

00:26:30,789 --> 00:26:29,000

results with this test but that

621

00:26:33,760 --> 00:26:30,799

appointment was cancelled by Tony's

622

00:26:35,799 --> 00:26:33,770

mother seven it was around this time

623

00:26:39,370 --> 00:26:35,809

that Tony's mother was introduced to ms

624

00:26:42,820 --> 00:26:39,380

Bodnar the offender ms Bodnar must have

625

00:26:45,220 --> 00:26:42,830

seemed as something of a godsend to her

626

00:26:48,850 --> 00:26:45,230

because miss bonnet told her that she

627

00:26:51,730 --> 00:26:48,860

could cure Tony's eczema something which

628

00:26:53,980 --> 00:26:51,740

the specialist said could not be done no

629

00:26:56,620 --> 00:26:53,990

evidence in these proceedings was

630

00:26:59,169 --> 00:26:56,630

tendered in any attempt to prove the

631

00:27:01,029 --> 00:26:59,179

accuracy of the offender's claim to have

632

00:27:05,710 --> 00:27:01,039

the ability to do what the specialist

633

00:27:08,260 --> 00:27:05,720

could not namely cure Tony's eczema 8 ms

634

00:27:10,240 --> 00:27:08,270

modernist explanation for Tony's

635

00:27:13,890 --> 00:27:10,250

was that it could have been caused by

636

00:27:17,020 --> 00:27:13,900

the mother's diet and toxins in her body

637

00:27:19,390 --> 00:27:17,030

accordingly miss Buckner advised and the

638

00:27:24,070 --> 00:27:19,400

mother accepted that she should go on a

639

00:27:26,950 --> 00:27:24,080

quote raw only in quote diet 9 from

640

00:27:29,050 --> 00:27:26,960

around the 10th of April 2015 the mother

641

00:27:31,510 --> 00:27:29,060

began to follow MS Bodnar's advice

642

00:27:34,210 --> 00:27:31,520

ceased conventional medical treatment

643

00:27:38,380 --> 00:27:34,220

for her son's eczema and took up a raw

644

00:27:40,450 --> 00:27:38,390

food diet 10 this treatment contributed

645

00:27:43,300 --> 00:27:40,460

to the serious harm later suffered by

646

00:27:45,220 --> 00:27:43,310

Tony not surprisingly the mother lost

647

00:27:48,160 --> 00:27:45,230

weight and given that she was

648

00:27:51,450 --> 00:27:48,170

breastfeeding Tony exclusively so did he

649

00:27:55,420 --> 00:27:51,460

the mother lost 11 kilos and

650

00:27:58,960 --> 00:27:55,430

incidentally that's about 24 pounds and

651
00:28:02,560 --> 00:27:58,970
Tony who was only around 6 months of age

652
00:28:04,210 --> 00:28:02,570
at the time lost 1.4 kilos miss Bodnar

653
00:28:06,430 --> 00:28:04,220
was aware of this weight loss but

654
00:28:09,280 --> 00:28:06,440
assured the mother that this was normal

655
00:28:13,240 --> 00:28:09,290
and that Tony was fat and needed to lose

656
00:28:13,750 --> 00:28:13,250
weight 11 in early to mid-may things got

657
00:28:15,730 --> 00:28:13,760
worse

658
00:28:18,220 --> 00:28:15,740
Tony began having higher temperatures

659
00:28:22,540 --> 00:28:18,230
remarkably miss Banda advised the mother

660
00:28:25,510 --> 00:28:22,550
to fast and to go on a water only diet I

661
00:28:29,260 --> 00:28:25,520
repeat Tony was being exclusively

662
00:28:31,360 --> 00:28:29,270
breastfed at the time 12 the situation

663
00:28:34,300 --> 00:28:31,370

reached a critical stage on or around

664

00:28:37,090 --> 00:28:34,310

the 21st of May 2015 when Tony was

665

00:28:40,060 --> 00:28:37,100

unsettled his mother believed he needed

666

00:28:42,820 --> 00:28:40,070

more food miss Bodnar suggested that she

667

00:28:45,370 --> 00:28:42,830

could give him some goat's milk

668

00:28:48,580 --> 00:28:45,380

but when the mother tried this Tony

669

00:28:50,380 --> 00:28:48,590

vomited it up miss Banda suggested that

670

00:28:53,590 --> 00:28:50,390

the mother tried to dilute the goat's

671

00:28:57,910 --> 00:28:53,600

milk with water and try again but Tony

672

00:29:00,070 --> 00:28:57,920

vomited that also 13 eventually and

673

00:29:02,710 --> 00:29:00,080

thankfully the mother took Tony to her

674

00:29:04,090 --> 00:29:02,720

general practitioner she told the GP

675

00:29:06,310 --> 00:29:04,100

that she had been advised by a

676
00:29:08,500 --> 00:29:06,320
naturopath to have an exclusion diet for

677
00:29:10,450 --> 00:29:08,510
herself and to avoid introducing any

678
00:29:11,950 --> 00:29:10,460
solids to the baby in an attempt to

679
00:29:14,110 --> 00:29:11,960
control the eczema

680
00:29:16,960 --> 00:29:14,120
the doctor found that Tony was in a

681
00:29:20,950 --> 00:29:16,970
shrunken state with loss of body fat and

682
00:29:21,410 --> 00:29:20,960
muscles he appeared to be dehydrated the

683
00:29:23,750 --> 00:29:21,420
doctor

684
00:29:26,300 --> 00:29:23,760
referred Tony to the Children's Hospital

685
00:29:28,460 --> 00:29:26,310
where he was found to be in a critical

686
00:29:31,250 --> 00:29:28,470
condition the doctors forming the

687
00:29:33,560 --> 00:29:31,260
opinion that had he not presented to the

688
00:29:37,370 --> 00:29:33,570

hospital he could have died within a

689

00:29:39,800 --> 00:29:37,380

number of days 14 he had lost a lot of

690

00:29:42,320 --> 00:29:39,810

weight at six months of age he weighed

691

00:29:45,440 --> 00:29:42,330

eight kilograms but on admission at

692

00:29:47,960 --> 00:29:45,450

seven and a half months weighed only six

693

00:29:50,150 --> 00:29:47,970

point four kilograms there was evidence

694

00:29:52,580 --> 00:29:50,160

of a developmental delay which

695

00:29:55,730 --> 00:29:52,590

correlated with the mother taking miss

696

00:29:57,800 --> 00:29:55,740

Bolton his advice his development at

697

00:30:00,230 --> 00:29:57,810

eight months was assessed as being

698

00:30:02,810 --> 00:30:00,240

equivalent to that of a three-month-old

699

00:30:05,180 --> 00:30:02,820

he remained in hospital for more than a

700

00:30:07,220 --> 00:30:05,190

month he still needs to be assessed by

701
00:30:10,520 --> 00:30:07,230
medical experts over the next few years

702
00:30:12,890 --> 00:30:10,530
in order to ascertain whether or not he

703
00:30:15,170 --> 00:30:12,900
will suffer any long-term developmental

704
00:30:19,310 --> 00:30:15,180
delays as a result of what has happened

705
00:30:21,740 --> 00:30:19,320
to him 15 as a result of what I have

706
00:30:25,490 --> 00:30:21,750
described the offender has pleaded

707
00:30:28,190 --> 00:30:25,500
guilty to having aided abetted counseled

708
00:30:31,430 --> 00:30:28,200
or procured the commission of an offense

709
00:30:33,470 --> 00:30:31,440
by the child's mother that being an

710
00:30:36,080 --> 00:30:33,480
offense of being a person having

711
00:30:39,020 --> 00:30:36,090
parental responsibilities recklessly and

712
00:30:41,150 --> 00:30:39,030
without reasonable excuse failing to

713
00:30:44,300 --> 00:30:41,160

provide Tony with the necessities of

714

00:30:47,180 --> 00:30:44,310

life the result of that failure causing

715

00:30:49,160 --> 00:30:47,190

a danger of death to Tony this is an

716

00:30:52,820 --> 00:30:49,170

offense which carries a maximum penalty

717

00:30:55,520 --> 00:30:52,830

of five years imprisonment sixteen this

718

00:30:57,620 --> 00:30:55,530

is an objectively serious example of

719

00:31:00,020 --> 00:30:57,630

crimes of this type particularly

720

00:31:02,720 --> 00:31:00,030

important in making that assessment are

721

00:31:05,330 --> 00:31:02,730

the length of time over which the

722

00:31:09,290 --> 00:31:05,340

offense occurred the 22nd of February

723

00:31:11,930 --> 00:31:09,300

2015 - the 22nd of May 2015 the gross

724

00:31:14,450 --> 00:31:11,940

recklessness of the offender in firstly

725

00:31:16,370 --> 00:31:14,460

providing such advice to the mother but

726

00:31:18,470 --> 00:31:16,380

perhaps more importantly failing to

727

00:31:22,310 --> 00:31:18,480

observe or perhaps ignoring the effect

728

00:31:24,290 --> 00:31:22,320

of that advice upon Tony and of course

729

00:31:26,450 --> 00:31:24,300

the age of Tony is a matter of some

730

00:31:29,960 --> 00:31:26,460

importance as well it's not as though

731

00:31:31,250 --> 00:31:29,970

Tony was able to feed himself 17 the

732

00:31:34,340 --> 00:31:31,260

offender pleaded guilty of this charge

733

00:31:35,420 --> 00:31:34,350

not at the earliest opportunity but not

734

00:31:38,570 --> 00:31:35,430

at the latest opportune

735

00:31:40,760 --> 00:31:38,580

either the procedural history is

736

00:31:42,920 --> 00:31:40,770

somewhat complicated but it has agreed

737

00:31:45,530 --> 00:31:42,930

between the parties that the sentence I

738

00:31:48,380 --> 00:31:45,540

impose upon the offender should be about

739

00:31:51,800 --> 00:31:48,390

15% less than it would otherwise have

740

00:31:54,860 --> 00:31:51,810

been 18 the offender is a mature woman

741

00:31:56,690 --> 00:31:54,870

of 62 years of age she has a close

742

00:31:58,970 --> 00:31:56,700

healthy relationship with her two

743

00:32:00,410 --> 00:31:58,980

children and her husband after finishing

744

00:32:02,630 --> 00:32:00,420

high school she qualified as a

745

00:32:05,420 --> 00:32:02,640

registered nurse continuing her training

746

00:32:07,760 --> 00:32:05,430

so that she qualified in emergency post

747

00:32:12,050 --> 00:32:07,770

procedure procedures and then as a

748

00:32:13,880 --> 00:32:12,060

midwife in 1978 nineteen in that year at

749

00:32:17,210 --> 00:32:13,890

age 22 she was diagnosed with breast

750

00:32:19,310 --> 00:32:17,220

cancer this proved benign but the

751
00:32:22,430 --> 00:32:19,320
undoubted crisis in her life that arose

752
00:32:24,620 --> 00:32:22,440
at this time led to her developing an

753
00:32:28,370 --> 00:32:24,630
interest in good diet and alternative

754
00:32:30,950 --> 00:32:28,380
therapies 20 she studied naturopathy

755
00:32:33,680 --> 00:32:30,960
before in 1983 establishing her own

756
00:32:35,990 --> 00:32:33,690
business she offered massage services

757
00:32:37,670 --> 00:32:36,000
gave diet advice and rank cooking

758
00:32:39,950 --> 00:32:37,680
classes treating children as well as

759
00:32:42,650 --> 00:32:39,960
adults there is no evidence to suggest

760
00:32:45,560 --> 00:32:42,660
anyone else has been harmed by the

761
00:32:47,900 --> 00:32:45,570
treatments she offered now if I could

762
00:32:50,780 --> 00:32:47,910
make a quick comment here as I told you

763
00:32:54,230 --> 00:32:50,790

last week Marilyn Bonner was actually

764

00:32:58,220 --> 00:32:54,240

sent to trial in the 80s over the death

765

00:33:00,680 --> 00:32:58,230

of her a friend or a client however she

766

00:33:02,330 --> 00:33:00,690

was acquitted or found not guilty so

767

00:33:05,690 --> 00:33:02,340

with my limited legal knowledge I

768

00:33:07,700 --> 00:33:05,700

imagine that when this judge says there

769

00:33:10,310 --> 00:33:07,710

is no evidence to suggest anyone else

770

00:33:13,370 --> 00:33:10,320

has been harmed by the treatments she

771

00:33:14,960 --> 00:33:13,380

offered he must have taken in

772

00:33:17,480 --> 00:33:14,970

consideration that she was found not

773

00:33:20,990 --> 00:33:17,490

guilty so in the eyes of the law she was

774

00:33:24,200 --> 00:33:21,000

not guilty of any previous offenses we

775

00:33:25,850 --> 00:33:24,210

read on 21 the offender has provided a

776

00:33:29,750 --> 00:33:25,860

letter of apology to the court and

777

00:33:32,510 --> 00:33:29,760

expressed remorse she says that she

778

00:33:35,780 --> 00:33:32,520

never intended her suggestions to cause

779

00:33:38,000 --> 00:33:35,790

any harm to Tony or the mother this is

780

00:33:39,890 --> 00:33:38,010

easily accepted miss Bonner is not

781

00:33:42,770 --> 00:33:39,900

charged with being an accessory to any

782

00:33:46,790 --> 00:33:42,780

offense involving intentional harm to

783

00:33:48,710 --> 00:33:46,800

Tony 22 MS Bonner has no relevant legal

784

00:33:49,280 --> 00:33:48,720

convictions the only offenses in her

785

00:33:54,140 --> 00:33:49,290

criminal

786

00:33:57,320 --> 00:33:54,150

being driving offenses committed in 2008

787

00:33:59,090 --> 00:33:57,330

and 2013 there is no doubt that she is a

788

00:34:01,430 --> 00:33:59,100

caring and well-meaning individual and

789

00:34:03,410 --> 00:34:01,440

that her intentions to provide advice to

790

00:34:05,540 --> 00:34:03,420

Tony's mother were based on what she

791

00:34:08,720 --> 00:34:05,550

believed to be some connection between

792

00:34:11,540 --> 00:34:08,730

Tony's ex MA and the mother's diet but

793

00:34:13,879 --> 00:34:11,550

once it became clearly apparent that

794

00:34:16,250 --> 00:34:13,889

there was a risk of harm to Tony through

795

00:34:19,370 --> 00:34:16,260

the mother following her advice it was a

796

00:34:21,980 --> 00:34:19,380

seriously criminal thing to do to ignore

797

00:34:25,850 --> 00:34:21,990

the effect of her advice on Tony's

798

00:34:27,620 --> 00:34:25,860

well-being 23 in submissions from mr.

799

00:34:30,379 --> 00:34:27,630

Mitra who appeared for the offender

800

00:34:32,690 --> 00:34:30,389

today the offender sought to gain

801
00:34:34,580 --> 00:34:32,700
comfort from the fact that she never saw

802
00:34:37,100 --> 00:34:34,590
Tony in the state revealed by

803
00:34:39,080 --> 00:34:37,110
photographs tended to the crown but this

804
00:34:41,360 --> 00:34:39,090
is part of the criminality of the

805
00:34:42,980 --> 00:34:41,370
offender in continuing to advise a

806
00:34:45,560 --> 00:34:42,990
restricted diet for Tony's mother

807
00:34:49,129 --> 00:34:45,570
without seeing Tony and without seeing

808
00:34:51,520 --> 00:34:49,139
just how obviously ill he was 24 I

809
00:34:54,260 --> 00:34:51,530
accept that Miss Bodnar has suffered

810
00:34:56,750 --> 00:34:54,270
significantly since the matters came to

811
00:34:59,390 --> 00:34:56,760
light her business has suffered she has

812
00:35:01,580 --> 00:34:59,400
been subject to ongoing restrictions

813
00:35:03,920 --> 00:35:01,590

imposed by the healthcare Complaints

814

00:35:06,350 --> 00:35:03,930

Commission she has been the subject of

815

00:35:08,450 --> 00:35:06,360

abuse on social media she has been

816

00:35:11,120 --> 00:35:08,460

extremely stressed over a number of

817

00:35:13,670 --> 00:35:11,130

years such stress resulting in symptoms

818

00:35:16,820 --> 00:35:13,680

of anxiety and depression and being

819

00:35:18,950 --> 00:35:16,830

displaced 25 I should at this stage

820

00:35:21,920 --> 00:35:18,960

speak about the sentence imposed upon

821

00:35:24,110 --> 00:35:21,930

Tony's mother the principles of parody

822

00:35:26,150 --> 00:35:24,120

clearly applied for that reason I was

823

00:35:28,370 --> 00:35:26,160

provided with materials tended to the

824

00:35:30,980 --> 00:35:28,380

magistrate who sentenced Tony's mother

825

00:35:33,170 --> 00:35:30,990

as well as his honors remarks on the

826

00:35:35,360 --> 00:35:33,180

sentence the magistrate imposed a

827

00:35:38,600 --> 00:35:35,370

sentence of imprisonment of fourteen

828

00:35:42,440 --> 00:35:38,610

months but suspended its execution and

829

00:35:45,680 --> 00:35:42,450

as 12 of the crimes sentencing Procedure

830

00:35:47,900 --> 00:35:45,690

Act 26 it is to be noted that the

831

00:35:49,280 --> 00:35:47,910

magistrate clearly identified the reason

832

00:35:51,830 --> 00:35:49,290

that a sentence of full time

833

00:35:55,010 --> 00:35:51,840

imprisonment was not imposed he said

834

00:35:57,500 --> 00:35:55,020

quote in my view but for the offer and

835

00:35:59,570 --> 00:35:57,510

willingness on the part of the defendant

836

00:36:01,400 --> 00:35:59,580

to agree to give evidence against the co

837

00:36:02,480 --> 00:36:01,410

accused a period of full-time

838

00:36:05,050 --> 00:36:02,490

imprisonment would

839

00:36:08,240 --> 00:36:05,060

have been otherwise appropriate in quote

840

00:36:11,390 --> 00:36:08,250

27 this offender who does not get the

841

00:36:14,570 --> 00:36:11,400

benefit of a discount under s 23 of the

842

00:36:16,130 --> 00:36:14,580

crimes sentencing Procedure Act cannot

843

00:36:17,870 --> 00:36:16,140

really complain

844

00:36:20,080 --> 00:36:17,880

therefore if a sentence of full-time

845

00:36:22,460 --> 00:36:20,090

imprisonment is imposed upon her

846

00:36:25,280 --> 00:36:22,470

especially given that mr. matauri

847

00:36:28,850 --> 00:36:25,290

accepts that the criminality of Tony's

848

00:36:30,740 --> 00:36:28,860

mother and his client is similar now of

849

00:36:33,320 --> 00:36:30,750

course the Crown can't rely on the

850

00:36:35,660 --> 00:36:33,330

principles of parody but in my view the

851

00:36:39,260 --> 00:36:35,670

offender would not have a justifiable

852

00:36:40,790 --> 00:36:39,270

sense of grievance where I to ultimately

853

00:36:44,870 --> 00:36:40,800

impose a sentence of full-time

854

00:36:46,790 --> 00:36:44,880

imprisonment upon her 28 I will take

855

00:36:49,250 --> 00:36:46,800

into account that this is a matter that

856

00:36:52,250 --> 00:36:49,260

could have been dealt with in a local

857

00:36:54,950 --> 00:36:52,260

court as it turns out the sentence I

858

00:36:58,600 --> 00:36:54,960

impose upon Miss Bodnar does not exceed

859

00:36:59,840 --> 00:36:58,610

the jurisdictional limit of that court

860

00:37:02,540 --> 00:36:59,850

29

861

00:37:05,720 --> 00:37:02,550

I accept that the principles of specific

862

00:37:07,400 --> 00:37:05,730

deterrence have little part to play the

863

00:37:09,349 --> 00:37:07,410

evidence would suggest that Miss Bodnar

864

00:37:12,050 --> 00:37:09,359

is unlikely to commit a similar offense

865

00:37:14,780 --> 00:37:12,060

in the future even if she were to be in

866

00:37:17,030 --> 00:37:14,790

a position to do so but as I began those

867

00:37:20,599 --> 00:37:17,040

remarks on sentence general deterrence

868

00:37:22,190 --> 00:37:20,609

is of great significance children such

869

00:37:24,050 --> 00:37:22,200

as the child in this matter are

870

00:37:26,750 --> 00:37:24,060

defenseless and vulnerable particularly

871

00:37:29,380 --> 00:37:26,760

so when they are entirely dependent upon

872

00:37:32,810 --> 00:37:29,390

others for their nutrition and welfare

873

00:37:35,780 --> 00:37:32,820

30 well intentioned but seriously

874

00:37:38,120 --> 00:37:35,790

misguided advice is as the facts of this

875

00:37:41,300 --> 00:37:38,130

case demonstrate capable of causing

876

00:37:44,030 --> 00:37:41,310

great harm and even death to vulnerable

877

00:37:46,520 --> 00:37:44,040

children those giving such advice need

878

00:37:48,950 --> 00:37:46,530

to have it made clear to them that if

879

00:37:51,320 --> 00:37:48,960

they give such advice they need to make

880

00:37:53,420 --> 00:37:51,330

sure that it is not going to do harm and

881

00:37:56,300 --> 00:37:53,430

if they continue to give such advice

882

00:38:00,560 --> 00:37:56,310

they need to continue to ensure that no

883

00:38:04,040 --> 00:38:00,570

harm is being caused 31 it is a serious

884

00:38:06,170 --> 00:38:04,050

matter but not necessarily a crime to

885

00:38:09,140 --> 00:38:06,180

tell a breast-feeding mother to restrict

886

00:38:12,020 --> 00:38:09,150

her diet it is even more serious when

887

00:38:14,300 --> 00:38:12,030

such advice continues after being told

888

00:38:16,760 --> 00:38:14,310

that both the mother and the child have

889

00:38:18,859 --> 00:38:16,770

lost weight and it is serious in

890

00:38:22,100 --> 00:38:18,869

and highly criminal for such advice to

891

00:38:24,410 --> 00:38:22,110

continue to the state where a child was

892

00:38:26,570 --> 00:38:24,420

at risk of death within a few days in

893

00:38:28,760 --> 00:38:26,580

circumstances where the person giving me

894

00:38:32,090 --> 00:38:28,770

advice hadn't even seen the state the

895

00:38:35,900 --> 00:38:32,100

child was in as a result of his or her

896

00:38:38,990 --> 00:38:35,910

advice being followed 32 as part of his

897

00:38:42,020 --> 00:38:39,000

submissions mr. MIT Ray relied on a

898

00:38:44,390 --> 00:38:42,030

decision of a judge of this court when

899

00:38:46,670 --> 00:38:44,400

sentencing an offender for a charge of

900

00:38:48,650 --> 00:38:46,680

failure of a person with parental

901
00:38:49,460 --> 00:38:48,660
responsibility to provide appropriate

902
00:38:52,700 --> 00:38:49,470
care

903
00:38:55,250 --> 00:38:52,710
this is an unusual matter and I mean no

904
00:38:58,160 --> 00:38:55,260
criticism of mr. matray at all when I

905
00:39:01,010 --> 00:38:58,170
say that he was relying on a single case

906
00:39:03,470 --> 00:39:01,020
I am sure that it is the only case he

907
00:39:05,960 --> 00:39:03,480
could find but it remains the case that

908
00:39:08,180 --> 00:39:05,970
a single decision by another judge of

909
00:39:09,920 --> 00:39:08,190
this Court says very little indeed if

910
00:39:14,450 --> 00:39:09,930
anything about the sentence I should

911
00:39:16,600 --> 00:39:14,460
impose in the present case 33 I except

912
00:39:21,200 --> 00:39:16,610
of course that sentences of imprisonment

913
00:39:24,560 --> 00:39:21,210

very much sentences of last resort it is

914

00:39:26,990 --> 00:39:24,570

a serious thing to do to send a 62 year

915

00:39:29,060 --> 00:39:27,000

old woman with no criminal history to

916

00:39:31,280 --> 00:39:29,070

jail for the first time but I am

917

00:39:33,230 --> 00:39:31,290

satisfied that no other form of sentence

918

00:39:36,440 --> 00:39:33,240

would reflect the object gravity of her

919

00:39:39,050 --> 00:39:36,450

conduct and the need to deter others who

920

00:39:42,920 --> 00:39:39,060

may also give well-meaning but misguided

921

00:39:44,930 --> 00:39:42,930

advice of a medical nature which has the

922

00:39:48,740 --> 00:39:44,940

potential to cause great harm and even

923

00:39:51,290 --> 00:39:48,750

death 34 there are special circumstances

924

00:39:53,150 --> 00:39:51,300

in this case relating not only to this

925

00:39:56,210 --> 00:39:53,160

being the offender's first time in

926

00:39:58,790 --> 00:39:56,220

custody but also her age and the fact

927

00:40:02,330 --> 00:39:58,800

that she is displaying symptoms of

928

00:40:05,540 --> 00:40:02,340

anxiety and depression 35 i impose

929

00:40:07,760 --> 00:40:05,550

sentence as follows I said a non-parole

930

00:40:10,970 --> 00:40:07,770

period of seven months and a head

931

00:40:13,640 --> 00:40:10,980

sentence of 14 months to date from today

932

00:40:18,400 --> 00:40:13,650

5th of April 2018 the non-parole period

933

00:40:22,960 --> 00:40:18,410

will expire on the 4th of November 2018

934

00:40:28,340 --> 00:40:26,480

now I will link to that judgment in this

935

00:40:30,260 --> 00:40:28,350

week's show notes so you can peruse

936

00:40:33,770 --> 00:40:30,270

those for yourself but I found that

937

00:40:35,990 --> 00:40:33,780

absolutely fascinating to read that out

938

00:40:39,080 --> 00:40:36,000

and in fact I was learning a lot as I

939

00:40:42,500 --> 00:40:39,090

was reading it to you and I think it is

940

00:40:45,950 --> 00:40:42,510

a very important judgment to have I

941

00:40:49,040 --> 00:40:45,960

think we shall be referring to this in

942

00:40:50,960 --> 00:40:49,050

the future and as I said last week it

943

00:40:53,930 --> 00:40:50,970

sends a strong message to natural

944

00:40:55,760 --> 00:40:53,940

therapists that they are responsible

945

00:40:57,700 --> 00:40:55,770

legally responsible for the care of

946

00:41:00,830 --> 00:40:57,710

their patients or their clients a

947

00:41:03,590 --> 00:41:00,840

fascinating insight into the workings of

948

00:41:05,480 --> 00:41:03,600

our legal system here in Australia and a

949

00:41:09,430 --> 00:41:05,490

very important case for science and

950

00:41:09,440 --> 00:41:28,149

[Music]

951

00:41:32,149 --> 00:41:30,739

thank you for listening to the skeptic

952

00:41:34,609 --> 00:41:32,159

zone and thank you to those people who

953

00:41:36,139 --> 00:41:34,619

came along for the march for Sciences

954

00:41:37,999 --> 00:41:36,149

always good to march from the city

955

00:41:40,880 --> 00:41:38,009

streets especially with Maynard in tow

956

00:41:42,529 --> 00:41:40,890

and especially marching for science and

957

00:41:45,559 --> 00:41:42,539

thank you Adam Spencer for taking time

958

00:41:47,959 --> 00:41:45,569

out to talk to Maynard coming up on next

959

00:41:50,899 --> 00:41:47,969

week's show dr. Pauley returns with her

960

00:41:53,029 --> 00:41:50,909

random rant and she's going to be

961

00:41:55,489 --> 00:41:53,039

interviewing somebody about climate

962

00:41:57,919 --> 00:41:55,499

change and climate change arguments an

963

00:42:01,039 --> 00:41:57,929

interesting perspective a skeptical

964

00:42:03,499 --> 00:42:01,049

perspective that is to say not a climate

965

00:42:06,319 --> 00:42:03,509

change skeptic but somebody who has

966

00:42:09,709 --> 00:42:06,329

looked at all the arguments and figured

967

00:42:12,019 --> 00:42:09,719

out some good rebuttals also next week

968

00:42:14,749 --> 00:42:12,029

we're going to be bringing you news of a

969

00:42:17,809 --> 00:42:14,759

vaccination clinic coming up which may

970

00:42:19,789 --> 00:42:17,819

interest people in Sydney and soon on

971

00:42:21,459 --> 00:42:19,799

the skeptic zone we're going to be

972

00:42:25,039 --> 00:42:21,469

starting a series of interviews with

973

00:42:26,839 --> 00:42:25,049

speakers who are going to appear at the

974

00:42:29,449 --> 00:42:26,849

upcoming Australian skeptics National

975

00:42:33,379 --> 00:42:29,459

Convention later this year in October I

976

00:42:36,829 --> 00:42:33,389

think and bit-by-bit will be bringing

977

00:42:39,620 --> 00:42:36,839

you those interviews and we look forward

978

00:42:42,349 --> 00:42:39,630

to meeting all these people in person of

979

00:42:45,259 --> 00:42:42,359

course later on in the year for the

980

00:42:47,659 --> 00:42:45,269

skeptics convention more details over

981

00:42:50,959 --> 00:42:47,669

the coming months now as I look outside

982

00:42:52,789 --> 00:42:50,969

the window yeah it's still a bit of

983

00:42:55,339 --> 00:42:52,799

smoke out there it's strange you know

984

00:42:57,549 --> 00:42:55,349

you get these smoky you can smell it in

985

00:43:02,569 --> 00:42:57,559

the air too from fires that are burning

986

00:43:05,209 --> 00:43:02,579

on the outskirts of Sydney mmm I hope

987

00:43:08,449 --> 00:43:05,219

that doesn't get more serious is that

988

00:43:15,019 --> 00:43:08,459

climate change this hot this late in the

989

00:43:17,479 --> 00:43:15,029

year probably on that unsettling note

990

00:43:22,310 --> 00:43:17,489

this is Richard Saunders signing off

991

00:43:27,740 --> 00:43:24,840

you've been listening to the skeptic

992

00:43:34,440 --> 00:43:27,750

zone podcast please visit our website at

993

00:43:37,910 --> 00:43:34,450

wwlp.com tax and to access the bat

994

00:43:40,590 --> 00:43:37,920

catalog of episodes going back to 2008

995

00:43:43,890 --> 00:43:40,600

you can follow the skeptic zone podcast

996

00:43:46,170 --> 00:43:43,900

on twitter at skeptic zone visit our

997

00:43:49,530 --> 00:43:46,180

facebook page or leave a review on

998

00:43:52,890 --> 00:43:49,540

itunes you can also support the skeptic

999

00:43:55,260 --> 00:43:52,900

zone via patreon or paypal the skeptic

1000

00:43:57,210 --> 00:43:55,270

zone podcast is an independent

1001

00:43:59,370 --> 00:43:57,220

production reviews and opinions

1002

00:44:01,560 --> 00:43:59,380

expressed on the skeptic zone and not

1003

00:44:04,530 --> 00:44:01,570

necessarily those of Australian skeptics