

1
00:00:05,969 --> 00:00:13,699
welcome to the skeptic zone the podcast

2
00:00:09,119 --> 00:00:13,699
from Australia for science and reason

3
00:00:22,809 --> 00:00:26,029
people are rushing people are hashing

4
00:00:24,739 --> 00:00:27,529
people all over the street are pushing

5
00:00:26,030 --> 00:00:29,000
each other the ground and going my god

6
00:00:27,530 --> 00:00:31,580
it's time for the skipping zone and it

7
00:00:29,000 --> 00:00:32,689
is and here's Richard Saunders the man

8
00:00:31,579 --> 00:00:34,640
with the answers of the questions you

9
00:00:32,689 --> 00:00:36,769
don't know I don't even know the

10
00:00:34,640 --> 00:00:38,480
questions may not hmm how big is a

11
00:00:36,770 --> 00:00:41,450
chicken and will it fit in my recycling

12
00:00:38,479 --> 00:00:43,579
bin there we go that's again what do we

13
00:00:41,450 --> 00:00:45,739
got today but man it's a big number it's

14
00:00:43,579 --> 00:00:48,829
a big number for a big show it is this

15
00:00:45,738 --> 00:00:51,439
is the skeptic zone episode number 350 I

16
00:00:48,829 --> 00:00:52,838
think I need a rest hmm I think you need

17
00:00:51,439 --> 00:00:54,738
the race downstairs and get something

18
00:00:52,838 --> 00:00:56,808
I've got it I've got it right here

19
00:00:54,738 --> 00:00:58,669
exhale where it skeptics in the pub

20
00:00:56,808 --> 00:01:02,000
we're recording this intro at skeptics

21
00:00:58,670 --> 00:01:05,180
in the pub yes this is show 350 can't

22
00:01:02,000 --> 00:01:07,370
believe it for the fifth of July 2015

23
00:01:05,180 --> 00:01:08,780
it's Richard Saunders here with me night

24
00:01:07,370 --> 00:01:10,820
at skeptics in the pub waiting for the

25
00:01:08,780 --> 00:01:12,439
crowds to come in before the crowds come

26
00:01:10,819 --> 00:01:14,539
in we'll let you know what's coming up

27
00:01:12,439 --> 00:01:16,789
on this week's show I'm going to be

28
00:01:14,540 --> 00:01:19,010
speaking to Jax Kellen from Victoria

29

00:01:16,790 --> 00:01:22,070
he's involved with a new scientific

30
00:01:19,010 --> 00:01:24,350
outreach program very exciting always a

31
00:01:22,069 --> 00:01:25,908
fan of scientific outreach and we're

32
00:01:24,349 --> 00:01:28,788
going to be hearing an interview you did

33
00:01:25,909 --> 00:01:30,530
with Nicole Rogerson yes from autism

34
00:01:28,789 --> 00:01:32,180
awareness she's got some things to

35
00:01:30,530 --> 00:01:34,489
mention about her personal experiences

36
00:01:32,180 --> 00:01:36,020
with an autistic child and with the

37
00:01:34,489 --> 00:01:37,938
organization and the kind of people who

38
00:01:36,019 --> 00:01:40,429
suggest things to her that shall we say

39
00:01:37,938 --> 00:01:41,839
not evidence-based really really

40
00:01:40,430 --> 00:01:44,090
interesting interview I was there today

41
00:01:41,840 --> 00:01:47,240
while you're doing that interview the

42
00:01:44,090 --> 00:01:50,299
woo around autism may not that's scarier

43
00:01:47,239 --> 00:01:51,679

than well I imagine because there aren't

44

00:01:50,299 --> 00:01:53,118

as many answers as people would like

45

00:01:51,679 --> 00:01:56,179

that's where people try and fill the

46

00:01:53,118 --> 00:01:58,879

gaps absolutely and it's a classic case

47

00:01:56,179 --> 00:02:00,379

of magical thinking coming in and

48

00:01:58,879 --> 00:02:01,839

wishful thinking because it's a pretty

49

00:02:00,379 --> 00:02:04,310

traumatic thing for some parents I think

50

00:02:01,840 --> 00:02:05,719

also on this week's show we have a week

51

00:02:04,310 --> 00:02:07,490

in science as ever we have a week in

52

00:02:05,718 --> 00:02:10,219

science and some other things coming up

53

00:02:07,489 --> 00:02:12,289

I don't even know of yet because well I

54

00:02:10,219 --> 00:02:13,430

haven't recorded them okay well we're

55

00:02:12,289 --> 00:02:15,319

gonna have a big night here it's going

56

00:02:13,430 --> 00:02:17,810

to go bit crazy we've got the bar tab

57

00:02:15,319 --> 00:02:19,849

running and who knows what can go on the

58
00:02:17,810 --> 00:02:22,460
bar tab yea though I didn't know about

59
00:02:19,849 --> 00:02:24,139
this bar tab Maynard what's is bad you

60
00:02:22,460 --> 00:02:25,189
notice that you are life one credit card

61
00:02:24,139 --> 00:02:26,989
it's going to be a hell of a night

62
00:02:25,189 --> 00:02:28,819
people the drinks are on me I think it's

63
00:02:26,990 --> 00:02:30,379
time to run downstairs put as much as

64
00:02:28,819 --> 00:02:32,568
possible on Richards credit card and

65
00:02:30,379 --> 00:02:34,669
then leg it yes

66
00:02:32,568 --> 00:02:37,899
may not while your legging it I'm going

67
00:02:34,669 --> 00:02:37,899
to enjoy the skeptic zone

68
00:02:51,770 --> 00:02:58,750
here's Maynard spooky action at a

69
00:02:56,210 --> 00:02:58,750
distance

70
00:02:59,979 --> 00:03:05,449
it's a beautiful sunny morning here at

71
00:03:02,900 --> 00:03:08,480
the lizard Center in lancovit with

72
00:03:05,449 --> 00:03:10,129
Nicole Rogerson good morning men on you

73
00:03:08,479 --> 00:03:12,229
recently addressed the whole bunch of

74
00:03:10,129 --> 00:03:13,879
Australian skeptics in Sydney at a

75
00:03:12,229 --> 00:03:15,439
dinner there and gave them and talk that

76
00:03:13,879 --> 00:03:17,419
I believe the review was you wowed them

77
00:03:15,439 --> 00:03:18,739
well I hope I did because I assume that

78
00:03:17,419 --> 00:03:21,229
was skeptical about whether i would or

79
00:03:18,739 --> 00:03:23,390
not um there's people that going why

80
00:03:21,229 --> 00:03:24,768
would I boo no I'll hold up hold off the

81
00:03:23,389 --> 00:03:27,679
booing what was the topic what are you

82
00:03:24,769 --> 00:03:30,519
on about well my only topic is talking

83
00:03:27,680 --> 00:03:35,000
about autism so i think i was invited

84
00:03:30,519 --> 00:03:38,629
because of the amount of skepticism i

85
00:03:35,000 --> 00:03:40,549
guess around autism as a condition and

86

00:03:38,629 --> 00:03:42,829
the treatments for it and and some of

87
00:03:40,549 --> 00:03:44,750
the bigger issues let's back up a bit

88
00:03:42,830 --> 00:03:47,870
and of course you're the mother of

89
00:03:44,750 --> 00:03:50,060
naughty boy I am I have a 19 year old

90
00:03:47,870 --> 00:03:52,730
son on the autism spectrum and how's it

91
00:03:50,060 --> 00:03:54,199
going and and what was a what Bob way

92
00:03:52,729 --> 00:03:55,639
through your thoughts and how did you

93
00:03:54,199 --> 00:03:57,530
find out he was autistic in the first

94
00:03:55,639 --> 00:03:59,419
place as someone who has no kids knows

95
00:03:57,530 --> 00:04:02,719
very little about this area school me

96
00:03:59,419 --> 00:04:04,608
Nicole school me well I can't say it's a

97
00:04:02,719 --> 00:04:06,439
terribly proud story about diagnosis for

98
00:04:04,609 --> 00:04:09,530
Jack because I think it would have been

99
00:04:06,439 --> 00:04:12,799
obvious from the age of 2 that he wasn't

100
00:04:09,530 --> 00:04:14,840

developing like his peers were but to

101

00:04:12,799 --> 00:04:17,629

Ian and I my husband and I we were quite

102

00:04:14,840 --> 00:04:18,978

stupid and didn't say it didn't see the

103

00:04:17,629 --> 00:04:20,120

early warning signs so that's kind of

104

00:04:18,978 --> 00:04:22,189

one of the issues i'm a little bit

105

00:04:20,120 --> 00:04:23,780

passionate about showing parents what

106

00:04:22,189 --> 00:04:25,250

autism can look like because it's the

107

00:04:23,779 --> 00:04:27,500

early in early intervention that makes

108

00:04:25,250 --> 00:04:28,970

such a huge difference i imagine parents

109

00:04:27,500 --> 00:04:30,709

can be so paranoid about the health of

110

00:04:28,970 --> 00:04:32,240

their children they can imagine there's

111

00:04:30,709 --> 00:04:34,459

things there that aren't a lot the time

112

00:04:32,240 --> 00:04:35,900

as well I think it goes both ways I

113

00:04:34,459 --> 00:04:37,430

think you tend to have parents who

114

00:04:35,899 --> 00:04:38,929

minimize it and say no no I'm sure it's

115
00:04:37,430 --> 00:04:40,759
fine it's fine it's fine and then

116
00:04:38,930 --> 00:04:42,470
likewise other parents who who are

117
00:04:40,759 --> 00:04:44,149
looking at every developmental milestone

118
00:04:42,470 --> 00:04:45,800
and being very concerned if their

119
00:04:44,149 --> 00:04:48,799
children don't meet it I think our

120
00:04:45,800 --> 00:04:50,720
message is no one should panic what we

121
00:04:48,800 --> 00:04:53,418
should do is is look at a child around

122
00:04:50,720 --> 00:04:55,280
18 months to years of age if they're not

123
00:04:53,418 --> 00:04:56,870
reaching the developmental milestones we

124
00:04:55,279 --> 00:04:58,549
would be expecting that doesn't

125
00:04:56,870 --> 00:04:59,959
necessarily mean it's autism but it does

126
00:04:58,550 --> 00:05:03,410
mean we have to keep a bit of a close

127
00:04:59,959 --> 00:05:05,089
eye and pass the age of two we're going

128
00:05:03,410 --> 00:05:06,860
to start referring to other people and

129
00:05:05,089 --> 00:05:09,109
bring some specialists in to see what

130
00:05:06,860 --> 00:05:10,379
exactly we're looking at I remember when

131
00:05:09,110 --> 00:05:13,170
you named it jack

132
00:05:10,379 --> 00:05:14,909
that is a fantastic name that is that

133
00:05:13,170 --> 00:05:17,850
that's someone who puts that oil-rig

134
00:05:14,910 --> 00:05:19,680
fires and it is quick get Jack Rogerson

135
00:05:17,850 --> 00:05:21,270
do you know what he was named after Jack

136
00:05:19,680 --> 00:05:22,500
Ryan I'm sure the grandparents thought

137
00:05:21,269 --> 00:05:24,029
it was there but it wasn't it was named

138
00:05:22,500 --> 00:05:25,230
after jack ryan when that harrison ford

139
00:05:24,029 --> 00:05:28,199
movie yeah totally i but he's going to

140
00:05:25,230 --> 00:05:30,210
be President uh he might be he's done

141
00:05:28,199 --> 00:05:33,180
really well and when you discover that

142
00:05:30,209 --> 00:05:34,979
you have a child is on the spectrum at

143

00:05:33,180 --> 00:05:37,290
what point does the parent blame or the

144
00:05:34,980 --> 00:05:38,700
mother blame come into it and is that

145
00:05:37,290 --> 00:05:39,900
something that you usually put upon

146
00:05:38,699 --> 00:05:42,329
yourself or is that something that

147
00:05:39,899 --> 00:05:44,879
society or you think yeah where does

148
00:05:42,329 --> 00:05:46,469
that happen I think not to get too Oprah

149
00:05:44,879 --> 00:05:48,360
about it but I don't know we don't want

150
00:05:46,470 --> 00:05:50,400
that we don't want it no I what I do

151
00:05:48,360 --> 00:05:51,810
think happens and I've seen it not

152
00:05:50,399 --> 00:05:53,069
obviously just in myself but in the

153
00:05:51,810 --> 00:05:54,720
thousands of parents I've known with

154
00:05:53,069 --> 00:05:56,189
children on the spectrum is there really

155
00:05:54,720 --> 00:05:58,800
are the stages of grief it's almost

156
00:05:56,189 --> 00:06:00,899
textbook of you know your denial stage

157
00:05:58,800 --> 00:06:03,150

of your acceptance stage of your you

158

00:06:00,899 --> 00:06:05,699

know whatever I remember one day

159

00:06:03,149 --> 00:06:08,129

distinctly begging God I won't swear

160

00:06:05,699 --> 00:06:09,779

anymore if you take this away and then

161

00:06:08,129 --> 00:06:12,420

at once each other oh my goodness bad

162

00:06:09,779 --> 00:06:14,699

time to be an atheist better what the

163

00:06:12,420 --> 00:06:17,189

hell it can't hurt to ask so look I

164

00:06:14,699 --> 00:06:19,620

think I can joke about it now obviously

165

00:06:17,189 --> 00:06:21,540

it's many years later after my child was

166

00:06:19,620 --> 00:06:24,240

diagnosed I appreciate for parents who

167

00:06:21,540 --> 00:06:26,010

are newer to this it can be a lot more

168

00:06:24,240 --> 00:06:28,259

distressing because it's the fear of the

169

00:06:26,009 --> 00:06:30,149

unknown it's not that you know what

170

00:06:28,259 --> 00:06:31,639

autism is you just you're fearful

171

00:06:30,149 --> 00:06:34,829

because you've read of what it might be

172
00:06:31,639 --> 00:06:36,449
and there's not really a lot of point in

173
00:06:34,829 --> 00:06:38,430
spending a lot of time in that headspace

174
00:06:36,449 --> 00:06:41,129
and what we try and do with parents has

175
00:06:38,430 --> 00:06:42,420
say an autism diagnosis is challenging

176
00:06:41,129 --> 00:06:44,129
but it's not the end of the world this

177
00:06:42,420 --> 00:06:45,840
is not the biggest tragedy that's going

178
00:06:44,129 --> 00:06:47,850
to happen but we need to get that little

179
00:06:45,839 --> 00:06:50,129
person busy in order to give them the

180
00:06:47,850 --> 00:06:53,040
best chance of an independent life and a

181
00:06:50,129 --> 00:06:55,769
good outcome and within your work with

182
00:06:53,040 --> 00:06:57,330
children and as a mother of jack when

183
00:06:55,769 --> 00:06:59,849
was the first time someone came to you

184
00:06:57,329 --> 00:07:03,060
with their personal theory or a general

185
00:06:59,850 --> 00:07:05,160
theory of why this was happening um i

186
00:07:03,060 --> 00:07:06,870
guess i happen to be the first

187
00:07:05,160 --> 00:07:09,630
generation that wasn't necessarily

188
00:07:06,870 --> 00:07:11,610
pointing the finger at the mum that that

189
00:07:09,629 --> 00:07:14,009
certainly was in the 60s and 70s and 80s

190
00:07:11,610 --> 00:07:15,840
very much the idea that the children had

191
00:07:14,009 --> 00:07:17,099
autism as a result of their mother being

192
00:07:15,839 --> 00:07:18,810
very Mother's being very cold

193
00:07:17,100 --> 00:07:20,280
refrigerator mother's as what they used

194
00:07:18,810 --> 00:07:23,189
to call it I guess I was pretty

195
00:07:20,279 --> 00:07:24,419
confident that that wasn't at play in my

196
00:07:23,189 --> 00:07:26,160
case because

197
00:07:24,420 --> 00:07:28,830
there couldn't be anything on the planet

198
00:07:26,160 --> 00:07:32,340
I loved more than Jack Rogerson so I

199
00:07:28,829 --> 00:07:33,539
knew that it wasn't a lack of love but

200

00:07:32,339 --> 00:07:36,389
you but you still think of everything

201
00:07:33,540 --> 00:07:38,010
what about the drink I had or so that

202
00:07:36,389 --> 00:07:40,979
was the standard theory up to a certain

203
00:07:38,009 --> 00:07:44,339
point like during the 40s 50s 60s that

204
00:07:40,980 --> 00:07:46,020
the mother had not been yet touchy carry

205
00:07:44,339 --> 00:07:48,149
enough absolutely they just it wasn't

206
00:07:46,019 --> 00:07:49,049
that bonding and and as such the child

207
00:07:48,149 --> 00:07:50,429
was living in a world on their own

208
00:07:49,050 --> 00:07:51,720
because they just simply weren't getting

209
00:07:50,430 --> 00:07:54,780
any love I mean it's almost laughable

210
00:07:51,720 --> 00:07:56,400
now but you know this was popular

211
00:07:54,779 --> 00:07:59,159
psychology around the issue at the time

212
00:07:56,399 --> 00:08:00,449
okay and and then what was thrown in

213
00:07:59,160 --> 00:08:02,160
your face is all about have been this

214
00:08:00,449 --> 00:08:04,019

you did this this happened this

215

00:08:02,160 --> 00:08:05,460

environmental thing happened I don't

216

00:08:04,019 --> 00:08:07,649

think anyone did it to me I think I did

217

00:08:05,459 --> 00:08:09,089

it to myself and I think parents do do

218

00:08:07,649 --> 00:08:11,159

it themselves even if you know it's

219

00:08:09,089 --> 00:08:13,319

silly you know I like to say I'm a

220

00:08:11,160 --> 00:08:15,060

sensible evidence-based you know clever

221

00:08:13,319 --> 00:08:16,439

woman with a tertiary education but

222

00:08:15,060 --> 00:08:18,660

guess what I did some pretty stupid

223

00:08:16,439 --> 00:08:20,759

things and and had some silly thoughts

224

00:08:18,660 --> 00:08:22,290

you know you're like off today today was

225

00:08:20,759 --> 00:08:24,029

it the glass of red wine i had the week

226

00:08:22,290 --> 00:08:26,550

before I found out I was pregnant was it

227

00:08:24,029 --> 00:08:28,679

you know I don't know something I did

228

00:08:26,550 --> 00:08:30,240

when I was at University you know

229
00:08:28,680 --> 00:08:33,149
there's a million things that you think

230
00:08:30,240 --> 00:08:34,919
what did I do to cause this when in

231
00:08:33,149 --> 00:08:37,679
actual fact you know it we didn't do

232
00:08:34,919 --> 00:08:40,439
anything and of course that goes on to

233
00:08:37,679 --> 00:08:42,750
the the crackpot scale there too so what

234
00:08:40,440 --> 00:08:44,490
have been some of the theories people

235
00:08:42,750 --> 00:08:46,950
who advanced you with very little or

236
00:08:44,490 --> 00:08:49,830
zero evidence oh there's so many it's

237
00:08:46,950 --> 00:08:51,690
wonderful and you know what I love now

238
00:08:49,830 --> 00:08:53,879
I've been in this industry for lack of a

239
00:08:51,690 --> 00:08:55,620
better word for 16 years I love the ones

240
00:08:53,879 --> 00:08:57,840
that were around 16 years ago and they

241
00:08:55,620 --> 00:09:01,169
come around again for a second a second

242
00:08:57,840 --> 00:09:03,269
wall at the second go look obviously

243

00:09:01,169 --> 00:09:07,620

there's there's really silly silly

244

00:09:03,269 --> 00:09:10,919

people who promote things like the

245

00:09:07,620 --> 00:09:16,830

toxins in the air the vaccination one is

246

00:09:10,919 --> 00:09:19,610

a huge one they tend to be those kind of

247

00:09:16,830 --> 00:09:23,090

more crackpot theories tend to come from

248

00:09:19,610 --> 00:09:25,519

people in the quote-unquote wellness

249

00:09:23,090 --> 00:09:28,580

organizations the idea around

250

00:09:25,519 --> 00:09:30,960

alternative medicine and clean living

251

00:09:28,580 --> 00:09:33,720

all of that kind of thing that the

252

00:09:30,960 --> 00:09:35,580

environment has somehow caused or a

253

00:09:33,720 --> 00:09:36,700

vaccination has somehow causes child's

254

00:09:35,580 --> 00:09:38,620

autism

255

00:09:36,700 --> 00:09:39,910

it is a possibility that it could be

256

00:09:38,620 --> 00:09:41,500

something like that but these people

257

00:09:39,909 --> 00:09:43,659
don't bring anything that could be even

258
00:09:41,500 --> 00:09:45,879
vaguely evidence today no there's not

259
00:09:43,659 --> 00:09:47,769
and we know fundamentally an

260
00:09:45,879 --> 00:09:49,720
environmental trigger might be there but

261
00:09:47,769 --> 00:09:51,789
the one thing we do know is that there

262
00:09:49,720 --> 00:09:53,320
there is definitely a genetic basis to

263
00:09:51,789 --> 00:09:56,649
this now that doesn't explain everything

264
00:09:53,320 --> 00:09:58,750
either but it does show us and point us

265
00:09:56,649 --> 00:10:01,449
into the direction that there has been a

266
00:09:58,750 --> 00:10:05,289
mutation that has occurred something has

267
00:10:01,450 --> 00:10:07,450
occurred during pregnancy that is

268
00:10:05,289 --> 00:10:09,250
ultimately going to end with a child

269
00:10:07,450 --> 00:10:11,920
being on the autism spectrum but here is

270
00:10:09,250 --> 00:10:13,870
the problem that I see is that we start

271
00:10:11,919 --> 00:10:16,209

noticing a child might be autistic

272

00:10:13,870 --> 00:10:18,220
around the age of 18 months which is

273

00:10:16,210 --> 00:10:20,110
also coincidentally the time that

274

00:10:18,220 --> 00:10:23,110
children have most of their vaccinations

275

00:10:20,110 --> 00:10:26,039
more commonly the MMR which is obviously

276

00:10:23,110 --> 00:10:28,480
where that the scandal arose so I have

277

00:10:26,039 --> 00:10:30,669
despite the fact the science has time

278

00:10:28,480 --> 00:10:34,029
and time again talked about the safety

279

00:10:30,669 --> 00:10:36,189
of vaccinations I still meet otherwise

280

00:10:34,029 --> 00:10:37,959
intelligent parents who will say to me

281

00:10:36,190 --> 00:10:40,120
Nicole there's nothing you can say I

282

00:10:37,960 --> 00:10:42,490
know vaccinations cause my child's

283

00:10:40,120 --> 00:10:44,409
autism because of a cause and effect

284

00:10:42,490 --> 00:10:45,730
they had vaccinations and within like a

285

00:10:44,409 --> 00:10:47,049
month or two they were noticed know it

286
00:10:45,730 --> 00:10:49,200
oh that must have been that yeah

287
00:10:47,049 --> 00:10:52,269
absolutely and and I think that also

288
00:10:49,200 --> 00:10:54,310
maybe plays into a little bit of the

289
00:10:52,269 --> 00:10:55,840
narrative here is you have to understand

290
00:10:54,309 --> 00:10:59,439
if your child is born with a disability

291
00:10:55,840 --> 00:11:01,000
you know that usually on day one or you

292
00:10:59,440 --> 00:11:02,770
might even not before they're born in

293
00:11:01,000 --> 00:11:04,990
the case of parents of children on the

294
00:11:02,769 --> 00:11:08,019
spectrum all was looking pretty good you

295
00:11:04,990 --> 00:11:09,399
know you can't see autism so little

296
00:11:08,019 --> 00:11:11,919
babies look like they've got five

297
00:11:09,399 --> 00:11:13,870
fingers and on each hand and ten toes

298
00:11:11,919 --> 00:11:15,549
and it was all looking healthy so all of

299
00:11:13,870 --> 00:11:17,639
a sudden to have what some people

300
00:11:15,549 --> 00:11:20,829
consider this catastrophic diagnosis at

301
00:11:17,639 --> 00:11:24,100
the toddler age tends to make parents

302
00:11:20,830 --> 00:11:26,139
put them in a heightened state a really

303
00:11:24,100 --> 00:11:27,610
heightened emotional state and how do

304
00:11:26,139 --> 00:11:29,439
you handle that because it's a very

305
00:11:27,610 --> 00:11:30,940
emotional argument and it's a very

306
00:11:29,440 --> 00:11:32,920
passionate argument that people feel

307
00:11:30,940 --> 00:11:34,660
about this how do you navigate that that

308
00:11:32,919 --> 00:11:37,689
that's that's a it's a faux pas

309
00:11:34,659 --> 00:11:40,899
minefield it really is and I think what

310
00:11:37,690 --> 00:11:42,610
we have chosen to do is there's no point

311
00:11:40,899 --> 00:11:45,789
arguing with a parent about it you know

312
00:11:42,610 --> 00:11:50,110
the reason a parent feels that way tends

313
00:11:45,789 --> 00:11:52,838
to be a belief it's not obviously

314

00:11:50,110 --> 00:11:54,250
a scientific one it's a belief that they

315
00:11:52,839 --> 00:11:56,230
feel that this is what's occurred I

316
00:11:54,250 --> 00:11:58,600
personally don't see any point in having

317
00:11:56,230 --> 00:11:59,800
that argument I think the most important

318
00:11:58,600 --> 00:12:01,659
work that we can do at autism awareness

319
00:11:59,799 --> 00:12:04,719
Australia is to put forward

320
00:12:01,659 --> 00:12:06,490
evidence-based credible information so

321
00:12:04,720 --> 00:12:08,139
that at least we're pointing parents in

322
00:12:06,490 --> 00:12:09,879
the direction of the of captain sensible

323
00:12:08,139 --> 00:12:11,799
and there's always going to be people

324
00:12:09,879 --> 00:12:14,289
for emotional reasons who just can't go

325
00:12:11,799 --> 00:12:16,479
there but I think the more education we

326
00:12:14,289 --> 00:12:18,278
do of the entire community I was

327
00:12:16,480 --> 00:12:19,690
recently saw a study that alarmed the

328
00:12:18,278 --> 00:12:21,610

hell out of me I think came out of

329

00:12:19,690 --> 00:12:23,230

Canada that said something like twenty

330

00:12:21,610 --> 00:12:26,649

percent of young people between the ages

331

00:12:23,230 --> 00:12:28,870

of 18 and 24 believed that vaccinations

332

00:12:26,649 --> 00:12:30,039

caused autism my thought at the time was

333

00:12:28,870 --> 00:12:31,179

before I couldn't us all these people

334

00:12:30,039 --> 00:12:33,458

going to be parents in the next ten

335

00:12:31,179 --> 00:12:34,778

years you know we've got work to do and

336

00:12:33,458 --> 00:12:36,009

it's not just within the autism

337

00:12:34,778 --> 00:12:39,179

community it's within the wider

338

00:12:36,009 --> 00:12:41,708

community to make sure people you know

339

00:12:39,179 --> 00:12:44,620

almost break the link between what is

340

00:12:41,708 --> 00:12:46,119

seen as vaccinations and autism what's

341

00:12:44,620 --> 00:12:48,909

interesting for me and my day-to-day

342

00:12:46,120 --> 00:12:51,220

work in the clinic is it's a private

343
00:12:48,909 --> 00:12:54,069
clinic where a predominantly a large

344
00:12:51,220 --> 00:12:57,370
portion of our families are again

345
00:12:54,070 --> 00:12:59,920
tertiary educated it otherwise you know

346
00:12:57,370 --> 00:13:00,970
bright people the amount of children

347
00:12:59,919 --> 00:13:02,649
that we have here in the clinic who

348
00:13:00,970 --> 00:13:05,139
haven't been vaccinated is almost

349
00:13:02,649 --> 00:13:06,549
ironical because they fit into the

350
00:13:05,139 --> 00:13:08,259
category of parents who chose not to

351
00:13:06,549 --> 00:13:10,689
vaccinate but guess what your child

352
00:13:08,259 --> 00:13:13,059
still has autism what do you say to

353
00:13:10,690 --> 00:13:16,180
people that claim to have it cured the

354
00:13:13,059 --> 00:13:19,689
autism well it's obviously a nonsense

355
00:13:16,179 --> 00:13:21,759
but but herein lies the problem is it

356
00:13:19,690 --> 00:13:23,680
autism and disability largely in

357

00:13:21,759 --> 00:13:26,259

Australia is an incredibly unregulated

358

00:13:23,679 --> 00:13:28,989

area frightening Lee so I do hope that

359

00:13:26,259 --> 00:13:31,179

changes when the NDIS comes so obviously

360

00:13:28,990 --> 00:13:33,129

there are they're charlatans of all

361

00:13:31,179 --> 00:13:35,259

types and sometimes there will many

362

00:13:33,129 --> 00:13:38,649

charlatans which is even worse so

363

00:13:35,259 --> 00:13:39,879

everything silly from homeopathy right

364

00:13:38,649 --> 00:13:42,360

through to just downright dangerous

365

00:13:39,879 --> 00:13:45,578

which is things like collation

366

00:13:42,360 --> 00:13:47,620

hyperbaric chambers you know I'd love to

367

00:13:45,578 --> 00:13:49,899

really arrogantly stand here and say I

368

00:13:47,620 --> 00:13:52,120

have never you know been tempted by

369

00:13:49,899 --> 00:13:54,220

those kinds of things I absolutely have

370

00:13:52,120 --> 00:13:56,049

and I've done them with Jack and that's

371

00:13:54,220 --> 00:13:58,389
because parents are very vulnerable and

372
00:13:56,049 --> 00:13:59,528
you read a website that says a classic

373
00:13:58,389 --> 00:14:01,958
one for me it was something called

374
00:13:59,528 --> 00:14:02,980
auditory integration training it's so

375
00:14:01,958 --> 00:14:03,789
silly when I tell you you're going to

376
00:14:02,980 --> 00:14:07,000
laugh but

377
00:14:03,789 --> 00:14:09,490
involves Jack going to a room for half

378
00:14:07,000 --> 00:14:11,830
an hour every day and listening to music

379
00:14:09,490 --> 00:14:15,399
at a certain frequency how did I

380
00:14:11,830 --> 00:14:17,680
actually think this was going to in any

381
00:14:15,399 --> 00:14:20,049
way shape or form help some of the

382
00:14:17,679 --> 00:14:21,849
aspects that he was fine and difficult

383
00:14:20,049 --> 00:14:24,490
at the time namely communication and

384
00:14:21,850 --> 00:14:26,680
behavior so it costs four thousand

385
00:14:24,490 --> 00:14:28,480

dollars half an hour of this music

386

00:14:26,679 --> 00:14:29,559

ironically enough I found that one day

387

00:14:28,480 --> 00:14:30,759

he was listening to elton john and i

388

00:14:29,559 --> 00:14:34,089

thought that might make the condition

389

00:14:30,759 --> 00:14:35,529

worse but that's a by the by i read on a

390

00:14:34,090 --> 00:14:38,440

website that it doesn't work if you do

391

00:14:35,529 --> 00:14:40,029

it once you have to do it twice so who

392

00:14:38,440 --> 00:14:42,970

spends eight thousand dollars on a silly

393

00:14:40,029 --> 00:14:44,709

therapy you know and I guess I look back

394

00:14:42,970 --> 00:14:46,840

at it now and say I was just desperate

395

00:14:44,710 --> 00:14:48,580

and I didn't care what was

396

00:14:46,840 --> 00:14:50,560

scientifically evidence based on what

397

00:14:48,580 --> 00:14:51,850

wasn't I just said I don't care who's

398

00:14:50,559 --> 00:14:54,519

right and wrong I just want you to fix

399

00:14:51,850 --> 00:14:57,700

my kid I want my kid to get more support

400
00:14:54,519 --> 00:15:00,460
and so now as an old woman I can look

401
00:14:57,700 --> 00:15:03,400
back and say to parents you know come on

402
00:15:00,460 --> 00:15:06,639
guys be sensible be savvy consumers you

403
00:15:03,399 --> 00:15:09,159
know things that are on websites i saw

404
00:15:06,639 --> 00:15:13,029
one recently pediatrician formulated it

405
00:15:09,159 --> 00:15:14,409
says and their tablets that 4995 and the

406
00:15:13,029 --> 00:15:18,339
child takes the tablets and then

407
00:15:14,409 --> 00:15:20,769
magically their brain resets itself and

408
00:15:18,340 --> 00:15:22,750
the child can talk just things like that

409
00:15:20,769 --> 00:15:24,460
but it's just really sad that you can

410
00:15:22,750 --> 00:15:27,789
see vulnerable parents clicking on that

411
00:15:24,460 --> 00:15:29,769
and buying the 4995 tablets that will

412
00:15:27,789 --> 00:15:31,000
make this better so I've got listeners

413
00:15:29,769 --> 00:15:32,769
out there that wouldn't mind doing that

414
00:15:31,000 --> 00:15:35,039
have the activism in this area or what

415
00:15:32,769 --> 00:15:38,100
can I do about it to help changes oh

416
00:15:35,039 --> 00:15:39,939
goodness me come on down pick up a pen

417
00:15:38,100 --> 00:15:41,950
what look I think it's just really

418
00:15:39,940 --> 00:15:43,750
important to make sure we all share and

419
00:15:41,950 --> 00:15:46,870
disseminate really good quality

420
00:15:43,750 --> 00:15:48,759
information and it no time in history

421
00:15:46,870 --> 00:15:50,799
can I remember it being as easy as it is

422
00:15:48,759 --> 00:15:53,379
now with things like Facebook and

423
00:15:50,799 --> 00:15:56,139
Twitter you know share amongst your

424
00:15:53,379 --> 00:15:58,419
social networks the really good quality

425
00:15:56,139 --> 00:16:00,399
information so that parents everywhere

426
00:15:58,419 --> 00:16:03,579
no matter at what stage there are are

427
00:16:00,399 --> 00:16:05,529
being you know shown what is sensible

428

00:16:03,580 --> 00:16:07,330
science and what the good sensible

429
00:16:05,529 --> 00:16:09,879
people are saying and doing because

430
00:16:07,330 --> 00:16:11,410
otherwise you've got to fight back to

431
00:16:09,879 --> 00:16:14,350
the crazies and the problem is the

432
00:16:11,409 --> 00:16:16,000
biggest crazies in this area have tended

433
00:16:14,350 --> 00:16:18,190
to come out of hollywood

434
00:16:16,000 --> 00:16:20,200
just this week we've had Jim Carrey far

435
00:16:18,190 --> 00:16:22,240
enough about the mirasol yeah look Jim

436
00:16:20,200 --> 00:16:25,600
carrion and Jenny McCarthy have just

437
00:16:22,240 --> 00:16:28,299
been absolutely complicit in in making

438
00:16:25,600 --> 00:16:30,009
our jobs so much harder I mean you know

439
00:16:28,299 --> 00:16:31,089
I don't mind people obviously coming out

440
00:16:30,009 --> 00:16:34,120
and talking about their personal

441
00:16:31,090 --> 00:16:37,330
experience with their child with autism

442
00:16:34,120 --> 00:16:40,389

of done that myself but to actively be

443

00:16:37,330 --> 00:16:42,129

peddling pseudoscience and and muddying

444

00:16:40,389 --> 00:16:44,110

the waters they they've absolutely

445

00:16:42,129 --> 00:16:46,389

guilty of doing that and it's really

446

00:16:44,110 --> 00:16:48,250

unhelpful but guess what Jenny McCarthy

447

00:16:46,389 --> 00:16:51,039

and Jim Carrey tend to get an hour on

448

00:16:48,250 --> 00:16:54,129

CNN they get an hour on Oprah they they

449

00:16:51,039 --> 00:16:55,779

own the space so it's really hard to

450

00:16:54,129 --> 00:16:58,000

fight back against that because by the

451

00:16:55,779 --> 00:17:01,089

way our message isn't as sexy our

452

00:16:58,000 --> 00:17:02,350

message is Wow vaccinations are sensible

453

00:17:01,090 --> 00:17:04,299

and we don't know what caused your

454

00:17:02,350 --> 00:17:06,220

child's autism you know it's not going

455

00:17:04,299 --> 00:17:09,099

to sell a lot of books you know where is

456

00:17:06,220 --> 00:17:10,809

the immediate go to conspiracy big

457
00:17:09,099 --> 00:17:13,899
farmer you know all of that kind of

458
00:17:10,809 --> 00:17:16,059
stuff is so much more of a sexy sell so

459
00:17:13,900 --> 00:17:18,370
yeah that's what sensible bright people

460
00:17:16,059 --> 00:17:20,198
have to do is make sure that you call

461
00:17:18,369 --> 00:17:22,479
out nonsense whenever you see it and you

462
00:17:20,199 --> 00:17:24,640
share good quality information whenever

463
00:17:22,480 --> 00:17:25,779
you can get it and I've been look at you

464
00:17:24,640 --> 00:17:27,459
are sharing some good quality

465
00:17:25,779 --> 00:17:29,230
information on Facebook here and you've

466
00:17:27,459 --> 00:17:30,580
got some surprising results I won't name

467
00:17:29,230 --> 00:17:32,440
names there but people are saying you

468
00:17:30,579 --> 00:17:33,789
are supporting oppression in the US and

469
00:17:32,440 --> 00:17:35,500
that sort of thing it and then people

470
00:17:33,789 --> 00:17:38,500
are questioning that you getting some

471
00:17:35,500 --> 00:17:41,319
money from Big Pharma which is the cases

472
00:17:38,500 --> 00:17:44,440
are you are you sure the Big Pharma yeah

473
00:17:41,319 --> 00:17:45,849
totally and I I'd love their money no

474
00:17:44,440 --> 00:17:49,000
they don't know we don't get funding

475
00:17:45,849 --> 00:17:53,259
from anybody not even a pen or a pad not

476
00:17:49,000 --> 00:17:54,690
even a pen or a pad sad sad no

477
00:17:53,259 --> 00:17:58,089
apparently we're not worthy of bribing

478
00:17:54,690 --> 00:17:59,680
look the reality is we're a completely

479
00:17:58,089 --> 00:18:02,109
independent organization I could give

480
00:17:59,680 --> 00:18:05,769
two hoots to be honest who thinks

481
00:18:02,109 --> 00:18:07,719
otherwise where the number one thing our

482
00:18:05,769 --> 00:18:09,430
organization wants to do is make sure we

483
00:18:07,720 --> 00:18:11,140
disseminate to our very large group

484
00:18:09,430 --> 00:18:13,120
online really good quality information

485

00:18:11,140 --> 00:18:15,190
every time you put something up that's

486
00:18:13,119 --> 00:18:17,169
captain sensible there will be someone

487
00:18:15,190 --> 00:18:18,880
on the fringe that will say oh that's

488
00:18:17,170 --> 00:18:21,160
absolute nonsense and I just say don't

489
00:18:18,880 --> 00:18:23,080
follow organizations like us if we're

490
00:18:21,160 --> 00:18:25,120
not helping you if this message isn't

491
00:18:23,079 --> 00:18:26,559
for you and go and join the crazy

492
00:18:25,119 --> 00:18:28,339
persons Facebook page it's absolutely

493
00:18:26,559 --> 00:18:30,619
fine there's plenty of them and

494
00:18:28,339 --> 00:18:32,629
don't follow a house but and I guess we

495
00:18:30,619 --> 00:18:35,479
we've got some lines and some rules

496
00:18:32,630 --> 00:18:37,220
around our our social media which is we

497
00:18:35,480 --> 00:18:38,929
don't mind you can you can send us a

498
00:18:37,220 --> 00:18:40,850
mean message saying that we're funded by

499
00:18:38,929 --> 00:18:42,590

big farmer and that's cool I can live

500

00:18:40,849 --> 00:18:46,399

with that we're grownups we don't engage

501

00:18:42,589 --> 00:18:47,569

in silly nonsense we just we tend to let

502

00:18:46,400 --> 00:18:48,860

the audience fight it out amongst

503

00:18:47,569 --> 00:18:51,889

themselves and we've got far more

504

00:18:48,859 --> 00:18:54,619

sensible supporters than silly ones best

505

00:18:51,890 --> 00:18:58,190

movie involving someone on the autism

506

00:18:54,619 --> 00:18:59,689

spectrum what a question yeah um well

507

00:18:58,190 --> 00:19:01,278

you're not allowed to say Rain Man my

508

00:18:59,690 --> 00:19:02,960

god I was it's very important that

509

00:19:01,278 --> 00:19:05,720

everybody knows Rain Man is you know

510

00:19:02,960 --> 00:19:07,159

just a depiction of autism that is it

511

00:19:05,720 --> 00:19:09,019

does not depict autism in the vast

512

00:19:07,159 --> 00:19:10,760

majority of people who have it I'm not

513

00:19:09,019 --> 00:19:13,220

just wanting it is there any any movie

514
00:19:10,759 --> 00:19:15,589
that even comes close to any reality if

515
00:19:13,220 --> 00:19:16,850
that's even possible I don't know if

516
00:19:15,589 --> 00:19:18,769
it's possible I want to say some of the

517
00:19:16,849 --> 00:19:20,599
best work done which was not a movie but

518
00:19:18,769 --> 00:19:21,918
their work done by Louie throw did a

519
00:19:20,599 --> 00:19:23,389
great piece on autism and that i can

520
00:19:21,919 --> 00:19:26,690
recommend people having a look at

521
00:19:23,390 --> 00:19:28,549
because it just shows the wonderful you

522
00:19:26,690 --> 00:19:30,380
know spectrum that is autism spectrum

523
00:19:28,548 --> 00:19:33,648
disorder it's it's very hard to talk

524
00:19:30,380 --> 00:19:35,690
about and because it's it's so wide and

525
00:19:33,648 --> 00:19:37,908
if people want to get involved or visit

526
00:19:35,690 --> 00:19:40,308
or join what you're doing what's the

527
00:19:37,909 --> 00:19:42,860
best website to go to look it really is

528
00:19:40,308 --> 00:19:44,990
better to join us online come and see

529
00:19:42,859 --> 00:19:46,879
our autism awareness facebook page and

530
00:19:44,990 --> 00:19:48,470
join the group it's it's fascinating i'm

531
00:19:46,880 --> 00:19:50,870
doing a little bit of data analysis

532
00:19:48,470 --> 00:19:53,360
myself on the popularity of things that

533
00:19:50,869 --> 00:19:56,000
we post and i like posting information

534
00:19:53,359 --> 00:19:57,769
about either good quality research or

535
00:19:56,000 --> 00:20:00,169
providing parents information about the

536
00:19:57,769 --> 00:20:02,329
ndas coming but it still happens to be

537
00:20:00,169 --> 00:20:04,429
the fluffy dog story that comes from the

538
00:20:02,329 --> 00:20:08,869
mighty website that gets the most hits

539
00:20:04,429 --> 00:20:11,028
so we've got a temper our everyone be

540
00:20:08,869 --> 00:20:13,579
sensible message with also some just

541
00:20:11,028 --> 00:20:15,769
good human stories that make people feel

542

00:20:13,579 --> 00:20:18,349
connected to the community and connected

543
00:20:15,769 --> 00:20:21,230
as parents and i can say the one benefit

544
00:20:18,349 --> 00:20:22,668
for autism for me in you know it's

545
00:20:21,230 --> 00:20:25,190
obviously joining a mother's group you

546
00:20:22,669 --> 00:20:26,929
didn't intend in joining but i can say

547
00:20:25,190 --> 00:20:28,880
the one benefit that's given to me over

548
00:20:26,929 --> 00:20:31,399
the years is the great camaraderie that

549
00:20:28,880 --> 00:20:33,710
exists between parents of children on

550
00:20:31,398 --> 00:20:34,908
the spectrum in the you know too cheesy

551
00:20:33,710 --> 00:20:37,250
but in though we're all in this together

552
00:20:34,909 --> 00:20:39,320
kind of category there's been some

553
00:20:37,250 --> 00:20:40,140
pretty nice human moments over those 15

554
00:20:39,319 --> 00:20:42,869
years so I'm not

555
00:20:40,140 --> 00:20:44,190
I'm not regretting any of it and being a

556
00:20:42,869 --> 00:20:46,739

political junkie what are you going to

557

00:20:44,190 --> 00:20:49,769

call it Trump versus Clinton in the US

558

00:20:46,740 --> 00:20:51,960

election look I just want Trump for

559

00:20:49,769 --> 00:20:54,240

comedic reasons and I think everybody

560

00:20:51,960 --> 00:20:57,150

does i mean i want michelle bachman back

561

00:20:54,240 --> 00:20:59,099

i want Ted Cruz to keep going I mean

562

00:20:57,150 --> 00:21:01,980

this is just you know it's it's fueling

563

00:20:59,099 --> 00:21:03,629

Saturday Night Live and giving my kids

564

00:21:01,980 --> 00:21:06,059

and I a fantastic amount of

565

00:21:03,630 --> 00:21:09,480

entertainment so I'm just hoping nobody

566

00:21:06,059 --> 00:21:10,649

sensible enters the race and the website

567

00:21:09,480 --> 00:21:12,480

once again which is different from the

568

00:21:10,650 --> 00:21:14,940

center you here at new you this day a

569

00:21:12,480 --> 00:21:16,110

charity is a a non-profit being a

570

00:21:14,940 --> 00:21:19,019

non-for-profit is called autism

571
00:21:16,109 --> 00:21:20,969
awareness calm today you and or autism

572
00:21:19,019 --> 00:21:23,369
awareness Australia on facebook and

573
00:21:20,970 --> 00:21:24,960
twitter and and join us in and by all

574
00:21:23,369 --> 00:21:26,669
means this is what we also love is

575
00:21:24,960 --> 00:21:28,230
people sharing really good quality

576
00:21:26,670 --> 00:21:30,300
information if you come across something

577
00:21:28,230 --> 00:21:32,130
that's good and smart and you can get

578
00:21:30,299 --> 00:21:33,480
exposure evidence-based and you think it

579
00:21:32,130 --> 00:21:36,740
needs an audience give it to us because

580
00:21:33,480 --> 00:21:36,740
we love sharing that kind of stuff

581
00:21:52,910 --> 00:21:59,250
save discovery help save bindi goes

582
00:21:56,849 --> 00:22:01,980
beloved discovery center so they can

583
00:21:59,250 --> 00:22:04,140
continue providing inspiration hands-on

584
00:22:01,980 --> 00:22:06,750
science learning experiences that are

585
00:22:04,140 --> 00:22:08,910
fun for everyone for 20 years discovery

586
00:22:06,750 --> 00:22:10,799
has been providing fun hands-on science

587
00:22:08,910 --> 00:22:13,080
experiences for students teachers

588
00:22:10,799 --> 00:22:14,819
visitors the community of Bendigo and

589
00:22:13,079 --> 00:22:17,009
beyond whether it's learning about

590
00:22:14,819 --> 00:22:19,139
gravity and the body's fear response by

591
00:22:17,009 --> 00:22:21,359
plummeting down the vertical slide or

592
00:22:19,140 --> 00:22:23,730
flying through the solar system in a

593
00:22:21,359 --> 00:22:26,369
planetarium a visit to discovery

594
00:22:23,730 --> 00:22:28,710
involves unforgettable experiences that

595
00:22:26,369 --> 00:22:31,169
open up a world of wonder for visitors

596
00:22:28,710 --> 00:22:33,180
of all ages they know how important it

597
00:22:31,170 --> 00:22:35,630
is to engage young people in learning

598
00:22:33,180 --> 00:22:38,310
from preschool to year 12 and beyond

599

00:22:35,630 --> 00:22:40,680
that's what they do it Discovery they

600
00:22:38,309 --> 00:22:42,990
run specialized groups like curious kids

601
00:22:40,680 --> 00:22:44,610
where preschool children learn about the

602
00:22:42,990 --> 00:22:46,410
science behind their favorite story

603
00:22:44,609 --> 00:22:48,929
books they run curriculum-based

604
00:22:46,410 --> 00:22:51,269
workshops for schools in their specially

605
00:22:48,930 --> 00:22:53,310
designed lab and special events like

606
00:22:51,269 --> 00:22:54,809
adults evenings where you can learn

607
00:22:53,309 --> 00:22:57,329
about the science of chocolate while

608
00:22:54,809 --> 00:22:58,980
nibbling on canapes and sipping on a

609
00:22:57,329 --> 00:23:00,569
glass of wine they are now trying to

610
00:22:58,980 --> 00:23:03,720
raise thirty thousand dollars by the

611
00:23:00,569 --> 00:23:05,730
31st of July so they can keep their

612
00:23:03,720 --> 00:23:08,069
doors open why they get back on their

613
00:23:05,730 --> 00:23:10,230

feet unfortunately discovery is in

614

00:23:08,069 --> 00:23:12,000

crisis at the moment they are facing an

615

00:23:10,230 --> 00:23:14,490

uncertain future due to lack of

616

00:23:12,000 --> 00:23:16,410

operational funding like every other

617

00:23:14,490 --> 00:23:18,420

science center and museum and art

618

00:23:16,410 --> 00:23:20,759

gallery in the world they don't make

619

00:23:18,420 --> 00:23:23,880

enough money through admissions to fund

620

00:23:20,759 --> 00:23:27,599

their everyday operations so folks what

621

00:23:23,880 --> 00:23:29,100

can I say if you like to support science

622

00:23:27,599 --> 00:23:30,779

and by listening to the skeptic zone I

623

00:23:29,099 --> 00:23:32,730

know you like to do that especially

624

00:23:30,779 --> 00:23:34,470

science outreach to the younger

625

00:23:32,730 --> 00:23:39,960

generations and that's a very important

626

00:23:34,470 --> 00:23:44,250

interest of mine why not visit WWF org

627

00:23:39,960 --> 00:23:46,140

slash project / save hyphen discovery I

628
00:23:44,250 --> 00:23:49,140
shall put a link to that in the show

629
00:23:46,140 --> 00:23:51,420
notes or just google Discovery Science

630
00:23:49,140 --> 00:23:54,290
and Technology Center or save discovery

631
00:23:51,420 --> 00:23:57,298
but don't listen to me don't believe me

632
00:23:54,289 --> 00:24:01,499
here's the a direct plea from discover

633
00:23:57,298 --> 00:24:04,859
themselves discovery is the best place

634
00:24:01,499 --> 00:24:07,139
in the world hi I'm Kate I'm the manager

635
00:24:04,859 --> 00:24:09,178
here at the Discovery Center discovery

636
00:24:07,138 --> 00:24:10,949
is in crisis at the moment but we've

637
00:24:09,179 --> 00:24:13,950
been overwhelmed by the incredible

638
00:24:10,950 --> 00:24:16,470
support from bendigo and beyond to save

639
00:24:13,950 --> 00:24:19,139
this invaluable community asset my

640
00:24:16,470 --> 00:24:22,980
favorite thing at Discovery Center is

641
00:24:19,138 --> 00:24:25,288
the planetarium I'm Tony I'm a father of

642
00:24:22,980 --> 00:24:27,690
two daughters and we love the Discovery

643
00:24:25,288 --> 00:24:29,759
Center retains on experimental learning

644
00:24:27,690 --> 00:24:33,149
and the way that it can make science fun

645
00:24:29,759 --> 00:24:35,128
for all kids we know how important it is

646
00:24:33,148 --> 00:24:37,949
to engage kids with science from

647
00:24:35,128 --> 00:24:40,558
preschool to year 12 and beyond that's

648
00:24:37,950 --> 00:24:42,419
what we do here at Discovery there's

649
00:24:40,558 --> 00:24:45,868
heaps of stuff you can play them really

650
00:24:42,419 --> 00:24:48,690
fun you've learned that gravity on the

651
00:24:45,868 --> 00:24:51,269
vertical side oh I'm bit sketchy over

652
00:24:48,690 --> 00:24:53,970
there can fly through space in the

653
00:24:51,269 --> 00:24:56,190
planetarium we support teachers to

654
00:24:53,970 --> 00:24:59,429
provide engaging curriculum based

655
00:24:56,190 --> 00:25:01,470
activities and experiences we support

656

00:24:59,429 --> 00:25:03,778
parents to encourage their children's

657
00:25:01,470 --> 00:25:06,118
learning and we provide a great space

658
00:25:03,778 --> 00:25:09,269
for people of all ages to have fun with

659
00:25:06,118 --> 00:25:11,990
science one of my favorite things is the

660
00:25:09,269 --> 00:25:14,569
Seaway pull yourself up with road

661
00:25:11,990 --> 00:25:18,620
my favorite thing in surrounding rage

662
00:25:14,569 --> 00:25:20,119
the vertical slide is heaps of fun we're

663
00:25:18,619 --> 00:25:22,849
getting together a new management team

664
00:25:20,119 --> 00:25:26,239
with great skills in education business

665
00:25:22,849 --> 00:25:28,730
finance and marketing we already had key

666
00:25:26,240 --> 00:25:30,558
stakeholder support we've got heaps of

667
00:25:28,730 --> 00:25:33,110
great ideas about what we're going to do

668
00:25:30,558 --> 00:25:35,119
with discovery moving into the future we

669
00:25:33,109 --> 00:25:37,459
just need community and business backing

670
00:25:35,119 --> 00:25:40,279

to get us over the line for the next six

671

00:25:37,460 --> 00:25:42,980

months with your support we can ensure

672

00:25:40,279 --> 00:25:45,799

that the Discovery Center survives and

673

00:25:42,980 --> 00:25:48,259

thrives into the future engaging kids

674

00:25:45,799 --> 00:25:51,289

all across Victoria and further afield

675

00:25:48,259 --> 00:25:55,220

than that I really want discovery to

676

00:25:51,289 --> 00:25:56,869

stay open we're rebooting discovery come

677

00:25:55,220 --> 00:25:59,779

on this exciting journey with us and

678

00:25:56,869 --> 00:26:02,289

thank you so much for your support we

679

00:25:59,779 --> 00:26:08,599

need your help to save discovery

680

00:26:02,289 --> 00:26:10,879

discovery the best place in the world so

681

00:26:08,599 --> 00:26:13,099

there you are folks why not help this

682

00:26:10,880 --> 00:26:25,120

worthwhile project in Bendigo and

683

00:26:13,099 --> 00:26:29,230

Victoria and help save discovery on

684

00:26:25,119 --> 00:26:29,229

Manor com au

685
00:26:34,298 --> 00:26:38,210
you know everybody may know it wasn't

686
00:26:36,888 --> 00:26:40,129
because AI was playing anything good

687
00:26:38,210 --> 00:26:42,380
that sort of self-deprecation and

688
00:26:40,130 --> 00:26:43,669
humility is why everybody likes hanging

689
00:26:42,380 --> 00:26:45,049
around you do you think I should take

690
00:26:43,669 --> 00:26:47,538
that attitude that people should be

691
00:26:45,048 --> 00:26:50,240
consider it lucky that I'm here exactly

692
00:26:47,538 --> 00:26:52,369
i do how do you do that you have that

693
00:26:50,240 --> 00:26:55,159
you're lucky that I'm here hello

694
00:26:52,369 --> 00:26:58,250
everyone well because they are and we

695
00:26:55,159 --> 00:27:01,009
touched Morrissey's actual slave you

696
00:26:58,250 --> 00:27:03,138
touched Morrissey's leave how that smell

697
00:27:01,009 --> 00:27:04,700
it didn't actually smell as sweaty as I

698
00:27:03,138 --> 00:27:06,079
thought but then again it was his sleeve

699
00:27:04,700 --> 00:27:15,850
and it had been waived around for a

700
00:27:06,079 --> 00:27:15,849
while on Maynard condo you hey you

701
00:27:21,490 --> 00:27:26,179
welcome to weaken science from our oz

702
00:27:24,200 --> 00:27:29,000
bringing you the science you need to

703
00:27:26,179 --> 00:27:31,429
know bungee jumping tall buildings or

704
00:27:29,000 --> 00:27:38,869
crossing bridges why some people afraid

705
00:27:31,429 --> 00:27:40,399
of heights and ours aren't a fear of

706
00:27:38,869 --> 00:27:42,528
heights could actually be a good thing

707
00:27:40,398 --> 00:27:44,928
it's a sign we've adapted to the world

708
00:27:42,528 --> 00:27:46,609
around us a novel fear of heights is

709
00:27:44,929 --> 00:27:48,379
considered to be an evolutionary

710
00:27:46,609 --> 00:27:51,048
advantage to keep us safe from a

711
00:27:48,378 --> 00:27:52,490
dangerous fall from a height infants and

712
00:27:51,048 --> 00:27:54,798
young children are naturally cautious

713

00:27:52,490 --> 00:27:56,778
around Heights suggesting it's an

714
00:27:54,798 --> 00:27:59,240
inbuilt mechanism that we are born with

715
00:27:56,778 --> 00:28:01,429
now this is the normal uneasiness around

716
00:27:59,240 --> 00:28:03,409
Heights that most people feel not the

717
00:28:01,429 --> 00:28:06,230
phobia that some people experience a

718
00:28:03,409 --> 00:28:08,269
phobia of heights called acrophobia is

719
00:28:06,230 --> 00:28:10,519
far more serious it could be an

720
00:28:08,269 --> 00:28:13,099
unconsciously learned response due to a

721
00:28:10,519 --> 00:28:15,798
traumatic experience such as a fall or

722
00:28:13,099 --> 00:28:17,839
even learned off a parent is essentially

723
00:28:15,798 --> 00:28:20,298
an extreme protective mechanism

724
00:28:17,839 --> 00:28:22,278
acrophobia is not the same as vertigo

725
00:28:20,298 --> 00:28:24,648
which is caused by the eyes trying to

726
00:28:22,278 --> 00:28:26,898
focus on object a long distance away

727
00:28:24,648 --> 00:28:29,388

this causes the head to sway

728

00:28:26,898 --> 00:28:32,508

imperceptibly which the body then joins

729

00:28:29,388 --> 00:28:34,819

in on creating a whole body wobble if a

730

00:28:32,509 --> 00:28:38,110

person's sense of balance is affected it

731

00:28:34,819 --> 00:28:38,109

increases the chance of falling

732

00:28:38,288 --> 00:28:43,250

incredibly people who are afraid of

733

00:28:40,788 --> 00:28:45,619

heights actually see vertical distances

734

00:28:43,250 --> 00:28:48,230

as being greater than people who aren't

735

00:28:45,619 --> 00:28:51,229

yep they actually see the distance down

736

00:28:48,230 --> 00:28:52,880

being larger than it is volunteers with

737

00:28:51,230 --> 00:28:54,558

the fear of heights were asked to

738

00:28:52,880 --> 00:28:56,990

estimate the building's height when they

739

00:28:54,558 --> 00:28:59,569

stood at the top or the bottom of a 14

740

00:28:56,990 --> 00:29:01,880

meter tall building they overestimated

741

00:28:59,569 --> 00:29:03,379

its height in both locations but when

742
00:29:01,880 --> 00:29:05,539
they are at the top they thought it was

743
00:29:03,380 --> 00:29:08,090
much higher up than it really was and

744
00:29:05,538 --> 00:29:10,879
the bigger the fear the grace of the

745
00:29:08,089 --> 00:29:12,740
error another study however showed that

746
00:29:10,880 --> 00:29:15,080
they think it's higher because they're

747
00:29:12,740 --> 00:29:16,940
afraid not that they're afraid because

748
00:29:15,079 --> 00:29:19,189
they think it's higher but if you're

749
00:29:16,940 --> 00:29:23,210
afraid of heights here's four fast facts

750
00:29:19,190 --> 00:29:25,038
to help you conquer your phobia the

751
00:29:23,210 --> 00:29:27,380
normal uneasiness around Heights that

752
00:29:25,038 --> 00:29:29,690
most people have can be overcome and

753
00:29:27,380 --> 00:29:32,120
trained out by exposing themselves to

754
00:29:29,690 --> 00:29:34,278
high places more often virtual reality

755
00:29:32,119 --> 00:29:36,558
is increasingly being used to help

756
00:29:34,278 --> 00:29:38,898
people overcome their phobia in a safe

757
00:29:36,558 --> 00:29:41,000
controlled environment the steroid

758
00:29:38,898 --> 00:29:43,278
hormone causes all has been found to

759
00:29:41,000 --> 00:29:46,369
increase the effectiveness of behavioral

760
00:29:43,278 --> 00:29:48,200
therapy in reducing acrophobia and to

761
00:29:46,369 --> 00:29:50,268
help your acrophobia you might want to

762
00:29:48,200 --> 00:29:52,130
stop drinking coffee individual case

763
00:29:50,269 --> 00:29:54,169
studies have shown that it can help some

764
00:29:52,130 --> 00:29:56,539
people that's it for this week in

765
00:29:54,169 --> 00:29:59,649
science for more information on a fear

766
00:29:56,538 --> 00:30:03,470
of heights goes the Arias websites are I

767
00:29:59,648 --> 00:30:06,829
aus org dot a you follow us on twitter

768
00:30:03,470 --> 00:30:10,240
at ra oz and like us on facebook i'm ben

769
00:30:06,829 --> 00:30:10,240
lewis and we'll catch next week

770

00:30:22,138 --> 00:30:28,118
the skeptic magazine the journal from

771
00:30:24,999 --> 00:30:30,338
Australian skeptics subscribe online to

772
00:30:28,118 --> 00:30:35,648
the world's second oldest skeptical

773
00:30:30,338 --> 00:30:38,408
magazine visit w WC e ma you and click

774
00:30:35,648 --> 00:30:42,398
the publication's league you can also

775
00:30:38,409 --> 00:30:45,700
find their over 30 years on back issues

776
00:30:42,398 --> 00:30:49,648
free to download the skeptic magazine

777
00:30:45,700 --> 00:30:49,649
from Australian skeptics

778
00:31:05,069 --> 00:31:10,779
and joining me now all the way from

779
00:31:07,869 --> 00:31:13,479
sunny Melbourne sunny Melbourne well

780
00:31:10,779 --> 00:31:16,569
it's it can be sunny in Melbourne it's

781
00:31:13,480 --> 00:31:18,548
Jack Scanlon hello jack hi Richard great

782
00:31:16,569 --> 00:31:20,678
to be on the show thank you jack and

783
00:31:18,548 --> 00:31:22,420
you're no stranger to podcasting

784
00:31:20,679 --> 00:31:25,570

yourself of course now you have been

785

00:31:22,420 --> 00:31:27,850

doing podcasts for a little while now

786

00:31:25,569 --> 00:31:30,849

I've got the pseudo-scientists podcasts

787

00:31:27,849 --> 00:31:32,259

the main one I've been doing haven't had

788

00:31:30,849 --> 00:31:34,689

a lot of chance to do that recently

789

00:31:32,259 --> 00:31:38,470

actually so it's good to be back on one

790

00:31:34,690 --> 00:31:41,769

even though it's not my own back on the

791

00:31:38,470 --> 00:31:43,509

internet back back to the podcasting

792

00:31:41,769 --> 00:31:45,369

airwave so to speak no it's pleasure to

793

00:31:43,509 --> 00:31:47,710

have you jack of course you've been a

794

00:31:45,369 --> 00:31:49,719

skeptic for a long time part of the

795

00:31:47,710 --> 00:31:51,308

young Australian skeptics of course too

796

00:31:49,720 --> 00:31:53,558

but actually that prompts the question

797

00:31:51,308 --> 00:31:55,149

what at what stage you kicked out of the

798

00:31:53,558 --> 00:31:58,418

young Australian skeptics for being too

799

00:31:55,150 --> 00:32:01,540

old I never thought about that yeah it's

800

00:31:58,419 --> 00:32:05,860

a tough question um it's I don't know

801

00:32:01,539 --> 00:32:08,349

it's some we don't really like to put

802

00:32:05,859 --> 00:32:11,798

labels on people because age is always

803

00:32:08,349 --> 00:32:13,629

you know a relative thing anyway so

804

00:32:11,798 --> 00:32:15,690

someone who someone might think is old

805

00:32:13,630 --> 00:32:18,010

might be young compared to someone else

806

00:32:15,690 --> 00:32:20,140

but I guess the the young Australian

807

00:32:18,009 --> 00:32:23,019

skeptics started just to support some of

808

00:32:20,140 --> 00:32:25,000

the younger people who I don't know

809

00:32:23,019 --> 00:32:27,429

thought that because I guess the

810

00:32:25,000 --> 00:32:28,660

skeptical community traditionally I mean

811

00:32:27,429 --> 00:32:30,929

it's very different now but

812

00:32:28,660 --> 00:32:34,240

traditionally was a lot of sort of

813
00:32:30,929 --> 00:32:35,500
middle-aged people and a bit older so we

814
00:32:34,240 --> 00:32:37,120
thought it would be good to represent

815
00:32:35,500 --> 00:32:39,490
some of the sort of high schoolers and

816
00:32:37,119 --> 00:32:43,000
undergraduate students and stuff so

817
00:32:39,490 --> 00:32:44,410
there's no real cut off but there's I

818
00:32:43,000 --> 00:32:47,589
don't know is it you can always make a

819
00:32:44,410 --> 00:32:49,058
case that you're young I guess I think

820
00:32:47,589 --> 00:32:50,470
you're absolutely right i mean compared

821
00:32:49,058 --> 00:32:54,879
to someone like James Randi were all

822
00:32:50,470 --> 00:32:57,009
young so that's okay the Youngs young

823
00:32:54,880 --> 00:32:59,260
skeptics hello Randy if you're listening

824
00:32:57,009 --> 00:33:02,950
now Jack this is very exciting your

825
00:32:59,259 --> 00:33:04,990
involve was a group of very interesting

826
00:33:02,950 --> 00:33:07,630
people my goodness me very interesting

827

00:33:04,990 --> 00:33:09,579
people and a new endeavor it's sort of

828
00:33:07,630 --> 00:33:13,720
like an online magazine what can you

829
00:33:09,579 --> 00:33:15,220
tell me about that well yes i'm starting

830
00:33:13,720 --> 00:33:17,890
a an online legs

831
00:33:15,220 --> 00:33:19,538
and as you said called lateral and it's

832
00:33:17,890 --> 00:33:21,190
an online magazine because it's a

833
00:33:19,538 --> 00:33:23,859
magazine it doesn't have a print edition

834
00:33:21,190 --> 00:33:27,308
it's a lot cheaper you know not to not

835
00:33:23,859 --> 00:33:29,859
have to print things out so it's it's

836
00:33:27,308 --> 00:33:31,569
kind of like I don't know there's a lot

837
00:33:29,859 --> 00:33:34,269
of magazines that are online these days

838
00:33:31,569 --> 00:33:36,879
particularly science magazines you know

839
00:33:34,269 --> 00:33:38,619
New Scientist you can even get you know

840
00:33:36,880 --> 00:33:43,030
the skeptic and things like that online

841
00:33:38,619 --> 00:33:45,668

as well and people are reading a lot of

842

00:33:43,029 --> 00:33:47,200

stuff online these days newspapers are

843

00:33:45,669 --> 00:33:50,230

going online and we just thought it

844

00:33:47,200 --> 00:33:53,548

would be a good idea to contribute to

845

00:33:50,230 --> 00:33:56,259

that online scientific space

846

00:33:53,548 --> 00:34:00,099

particularly in the area of supporting

847

00:33:56,259 --> 00:34:02,019

younger science writers because there's

848

00:34:00,099 --> 00:34:03,548

this huge demand at the moment for great

849

00:34:02,019 --> 00:34:05,619

science communicators and people that

850

00:34:03,548 --> 00:34:09,398

can talk about science and critical

851

00:34:05,619 --> 00:34:11,049

thinking and skepticism and people want

852

00:34:09,398 --> 00:34:12,848

all of these really good writers to be

853

00:34:11,050 --> 00:34:14,590

out there but I don't think a lot of

854

00:34:12,849 --> 00:34:17,019

people have thought of the way that

855

00:34:14,590 --> 00:34:19,919

those younger people the way that those

856
00:34:17,019 --> 00:34:22,269
people are coming in and starting out

857
00:34:19,918 --> 00:34:24,549
particularly younger people who might be

858
00:34:22,269 --> 00:34:26,679
science students or people at

859
00:34:24,550 --> 00:34:28,929
universities of high school or even

860
00:34:26,679 --> 00:34:30,490
people you know not in university at all

861
00:34:28,929 --> 00:34:32,588
but are interested in those areas and

862
00:34:30,489 --> 00:34:37,779
writing about that and we wanted to

863
00:34:32,588 --> 00:34:39,338
create a platform where people can

864
00:34:37,780 --> 00:34:41,710
develop their skills in an editorial

865
00:34:39,338 --> 00:34:44,588
environment producing a publication

866
00:34:41,710 --> 00:34:47,769
that's free for everyone to read that

867
00:34:44,588 --> 00:34:50,639
creates great articles publishes great

868
00:34:47,769 --> 00:34:53,019
scientific inspired artwork as well and

869
00:34:50,639 --> 00:34:55,269
just put it all online out there so

870
00:34:53,019 --> 00:34:57,909
people can develop and basically

871
00:34:55,269 --> 00:35:00,480
contribute to that ongoing mission to

872
00:34:57,909 --> 00:35:03,759
better the the science and skepticism

873
00:35:00,480 --> 00:35:06,159
communication in the world it sounds to

874
00:35:03,760 --> 00:35:08,140
me like a wonderful idea because what

875
00:35:06,159 --> 00:35:10,358
you're also doing is you're giving

876
00:35:08,139 --> 00:35:12,279
younger scientific people may be

877
00:35:10,358 --> 00:35:15,069
scientific communicators or people who

878
00:35:12,280 --> 00:35:17,380
have have a great interest in this a

879
00:35:15,070 --> 00:35:20,730
chance for them to cut their teeth in

880
00:35:17,380 --> 00:35:24,338
and to get into publishing and to get

881
00:35:20,730 --> 00:35:26,409
their chops in formulating articles and

882
00:35:24,338 --> 00:35:28,509
reports and communicating with the

883
00:35:26,409 --> 00:35:29,089
public so i think that's it that's a

884

00:35:28,510 --> 00:35:33,260
wonderful

885
00:35:29,090 --> 00:35:34,760
what what was the the genesis of the

886
00:35:33,260 --> 00:35:37,730
idea was there something you came up

887
00:35:34,760 --> 00:35:38,960
with or was it a group of people well

888
00:35:37,730 --> 00:35:41,420
there's a group of people behind the

889
00:35:38,960 --> 00:35:43,490
magazine I guess you could say that I

890
00:35:41,420 --> 00:35:44,750
came up with the idea although the

891
00:35:43,489 --> 00:35:47,959
people that are currently involved all

892
00:35:44,750 --> 00:35:50,119
the editors along with me I we're all

893
00:35:47,960 --> 00:35:53,090
contributing to it now and the magazine

894
00:35:50,119 --> 00:35:54,650
as it is as it will be here when it's

895
00:35:53,090 --> 00:35:57,440
launched in a couple of next month

896
00:35:54,650 --> 00:35:59,329
actually but that wouldn't be possible

897
00:35:57,440 --> 00:36:01,490
without all the people that have helped

898
00:35:59,329 --> 00:36:04,549

me along but the magazine sort of got to

899

00:36:01,489 --> 00:36:06,949

start when I realized that there was a

900

00:36:04,550 --> 00:36:08,539

bit of a gap between the professional

901

00:36:06,949 --> 00:36:10,759

science journalists and science writers

902

00:36:08,539 --> 00:36:13,659

that we're writing for places like New

903

00:36:10,760 --> 00:36:16,040

Scientist and National Geographic and

904

00:36:13,659 --> 00:36:18,559

cosmos magazine and things like that and

905

00:36:16,039 --> 00:36:21,559

the sort of the blog's that I guess

906

00:36:18,559 --> 00:36:22,909

people assume to be where people have to

907

00:36:21,559 --> 00:36:24,320

get their start you know you have to

908

00:36:22,909 --> 00:36:26,659

write on the blog your own personal blog

909

00:36:24,320 --> 00:36:29,000

pages and then you'll get discovered by

910

00:36:26,659 --> 00:36:31,190

somebody and then you can finally write

911

00:36:29,000 --> 00:36:35,389

professionally I guess but I've always

912

00:36:31,190 --> 00:36:37,220

seemed a bit of a slapdash I don't know

913
00:36:35,389 --> 00:36:39,170
way to get into science writing it

914
00:36:37,219 --> 00:36:40,639
seemed a bit like you have to rely on

915
00:36:39,170 --> 00:36:42,619
luck or you have to rely on the right

916
00:36:40,639 --> 00:36:44,929
circumstances and there wasn't really

917
00:36:42,619 --> 00:36:47,329
that as I said there wasn't that pathway

918
00:36:44,929 --> 00:36:48,889
for people to develop so I was thinking

919
00:36:47,329 --> 00:36:50,480
about that in the context of the group

920
00:36:48,889 --> 00:36:52,579
blog that the young Australian skeptics

921
00:36:50,480 --> 00:36:53,630
has had for a number of years now and I

922
00:36:52,579 --> 00:36:56,150
just thought that it would be better to

923
00:36:53,630 --> 00:36:57,800
formalize that into something that was

924
00:36:56,150 --> 00:36:59,510
actually a proper publication that

925
00:36:57,800 --> 00:37:01,910
people can point to and say hey I've

926
00:36:59,510 --> 00:37:04,010
written for that I can put it on my CV

927

00:37:01,909 --> 00:37:07,399

and it you know it's reasonably

928

00:37:04,010 --> 00:37:08,960

impressive so the idea was churning

929

00:37:07,400 --> 00:37:10,490

around in my head for about a year and

930

00:37:08,960 --> 00:37:14,449

then i thought i should actually do it

931

00:37:10,489 --> 00:37:17,269

i'm at the stage where you know i'm sort

932

00:37:14,449 --> 00:37:19,329

of finishing up a degree in science and

933

00:37:17,269 --> 00:37:21,829

i want to take a bit of time off that

934

00:37:19,329 --> 00:37:25,009

i'll have the time to commit to it and

935

00:37:21,829 --> 00:37:26,150

so that's what we did and I've got

936

00:37:25,010 --> 00:37:30,200

together a team and they're all very

937

00:37:26,150 --> 00:37:33,530

talented and they're giving it a really

938

00:37:30,199 --> 00:37:35,179

red-hot go I guess a red-hot go that's

939

00:37:33,530 --> 00:37:37,280

exactly the expression I've had a look

940

00:37:35,179 --> 00:37:38,929

at the web page you've got set up and we

941

00:37:37,280 --> 00:37:41,940
can talk about that in a second but just

942
00:37:38,929 --> 00:37:43,889
briefly are the skill set and the back

943
00:37:41,940 --> 00:37:46,019
some of the people you have involved

944
00:37:43,889 --> 00:37:47,730
with this or you're involving this it's

945
00:37:46,019 --> 00:37:49,500
quite impressive and quite interesting

946
00:37:47,730 --> 00:37:52,380
now we've got astronomers and all sorts

947
00:37:49,500 --> 00:37:56,460
of people well we wanted to make the

948
00:37:52,380 --> 00:38:00,059
team as diverse as possible because the

949
00:37:56,460 --> 00:38:02,760
aim of lateral is to explore other than

950
00:38:00,059 --> 00:38:04,380
supporting young writers from the actual

951
00:38:02,760 --> 00:38:06,690
perspective of the audience we wanted to

952
00:38:04,380 --> 00:38:10,318
create a magazine that people would want

953
00:38:06,690 --> 00:38:12,990
to read that that encompasses as much of

954
00:38:10,318 --> 00:38:15,568
the scientific sort of landscape as

955
00:38:12,989 --> 00:38:18,118

possible and how science influences

956

00:38:15,568 --> 00:38:23,750

things like politics and education

957

00:38:18,119 --> 00:38:26,640

journalism law all stuff like that and

958

00:38:23,750 --> 00:38:28,800

so we've got people who are journalism

959

00:38:26,639 --> 00:38:32,309

students we've got zoologist we've got

960

00:38:28,800 --> 00:38:35,160

astrophysicists we've got chemists we've

961

00:38:32,309 --> 00:38:38,489

got people doing phd's in in biomedicine

962

00:38:35,159 --> 00:38:40,679

as well so we tried to try to make the

963

00:38:38,489 --> 00:38:44,608

team as diverse as possible with a wide

964

00:38:40,679 --> 00:38:46,559

range of differing you know backgrounds

965

00:38:44,608 --> 00:38:49,078

and different types of experiences we're

966

00:38:46,559 --> 00:38:51,119

still actually looking for more people

967

00:38:49,079 --> 00:38:54,560

to join the team at the editorial team

968

00:38:51,119 --> 00:38:57,660

so if there's anybody listening who

969

00:38:54,559 --> 00:39:01,259

would maybe like to get involved then I

970
00:38:57,659 --> 00:39:03,500
would like to ask them maybe to get in

971
00:39:01,260 --> 00:39:06,690
touch with us if they if they'd like

972
00:39:03,500 --> 00:39:08,880
particularly if anybody has any interest

973
00:39:06,690 --> 00:39:10,289
in the area of philosophy and the

974
00:39:08,880 --> 00:39:13,858
history of science we're looking for

975
00:39:10,289 --> 00:39:15,449
people to cover that area for us there

976
00:39:13,858 --> 00:39:17,159
is your invitation folks there's your

977
00:39:15,449 --> 00:39:19,259
invitation if you are up-and-coming

978
00:39:17,159 --> 00:39:21,118
young scientist if you're doing your

979
00:39:19,260 --> 00:39:23,190
degree at the moment it might be the

980
00:39:21,119 --> 00:39:26,010
opportunity for you Jack how can people

981
00:39:23,190 --> 00:39:27,900
find out more and while they're finding

982
00:39:26,010 --> 00:39:29,369
out more in fact they can see a short

983
00:39:27,900 --> 00:39:31,170
video you've put together and meet some

984
00:39:29,369 --> 00:39:34,769
of the team which i think is a great

985
00:39:31,170 --> 00:39:36,780
thing yes or worse well at the moment

986
00:39:34,769 --> 00:39:38,429
where we're trying to raise funds for

987
00:39:36,780 --> 00:39:40,349
the magazine I don't know if I mentioned

988
00:39:38,429 --> 00:39:42,179
it before but everybody who contributes

989
00:39:40,349 --> 00:39:44,640
to the magazine is actually going to be

990
00:39:42,179 --> 00:39:46,559
paid it's not a not something people are

991
00:39:44,639 --> 00:39:48,598
I mean everybody's doing it because they

992
00:39:46,559 --> 00:39:51,029
they love doing it but we wanted to

993
00:39:48,599 --> 00:39:52,559
provide paid opportunities because it's

994
00:39:51,030 --> 00:39:54,329
so rare these days if you're doing

995
00:39:52,559 --> 00:39:55,650
things online that you're expected to

996
00:39:54,329 --> 00:39:58,440
sort of just do it for free

997
00:39:55,650 --> 00:40:00,210
so we wanted to yeah have some sort of

998

00:39:58,440 --> 00:40:03,570
monetary compensation for people's time

999
00:40:00,210 --> 00:40:04,980
and effort and we're raising money at

1000
00:40:03,570 --> 00:40:06,300
the moment for that as well as the

1001
00:40:04,980 --> 00:40:08,369
design of the magazine which is

1002
00:40:06,300 --> 00:40:10,200
currently ongoing I mean we've got the

1003
00:40:08,369 --> 00:40:15,139
logo and everything's sorted out you can

1004
00:40:10,199 --> 00:40:19,469
find that on our crowdfunding campaign

1005
00:40:15,139 --> 00:40:20,849
page which is on IndieGoGo and I'm sure

1006
00:40:19,469 --> 00:40:22,489
there'll be a link to it in the show now

1007
00:40:20,849 --> 00:40:24,839
so we can just google lateral magazine

1008
00:40:22,489 --> 00:40:28,529
crowd funding or something it'll come up

1009
00:40:24,840 --> 00:40:30,390
in google and yeah so we're trying to

1010
00:40:28,530 --> 00:40:33,780
raise money for that and that covers our

1011
00:40:30,389 --> 00:40:35,699
first six months of operation as well so

1012
00:40:33,780 --> 00:40:38,280

it's going to a good cause and will help

1013

00:40:35,699 --> 00:40:39,960

us sort of find our feet and hopefully

1014

00:40:38,280 --> 00:40:42,150

make the magazine a sustainable

1015

00:40:39,960 --> 00:40:44,099

long-term sort of thing so that's

1016

00:40:42,150 --> 00:40:45,450

lateral magazine you can find it if you

1017

00:40:44,099 --> 00:40:47,069

search for lateral magazine and

1018

00:40:45,449 --> 00:40:48,449

crowdfunding or go to indy gogo of

1019

00:40:47,070 --> 00:40:51,390

course you can just go to the skeptic

1020

00:40:48,449 --> 00:40:54,269

zone TV and on the show notes for this

1021

00:40:51,389 --> 00:40:55,980

episode episode 350 you shall find the

1022

00:40:54,269 --> 00:40:57,840

link but I'm sure Google will take you

1023

00:40:55,980 --> 00:40:59,670

there anyway Jack what oh what a

1024

00:40:57,840 --> 00:41:02,670

wonderful endeavor I'm always pleased to

1025

00:40:59,670 --> 00:41:05,099

promote new and interesting ideas and

1026

00:41:02,670 --> 00:41:06,990

this one certainly sounds like one to me

1027
00:41:05,099 --> 00:41:09,719
I can only wish you all the best and

1028
00:41:06,989 --> 00:41:12,269
folks why not pitch in and help and if

1029
00:41:09,719 --> 00:41:15,599
you feel so inclined you can even maybe

1030
00:41:12,269 --> 00:41:17,190
possibly be a contributor yeah exactly

1031
00:41:15,599 --> 00:41:19,049
we're always looking for people to get

1032
00:41:17,190 --> 00:41:22,019
involved so if you think you'd fit the

1033
00:41:19,050 --> 00:41:23,640
bill and you'd be you know be interest

1034
00:41:22,019 --> 00:41:26,250
in that sort of thing then get in touch

1035
00:41:23,639 --> 00:41:27,659
with us yeah thank you very much richer

1036
00:41:26,250 --> 00:41:30,000
for having me on the show it's been gone

1037
00:41:27,659 --> 00:41:32,099
but for now jack skeletal the way from

1038
00:41:30,000 --> 00:41:33,840
sunny melbourne well mostly sunny will

1039
00:41:32,099 --> 00:41:36,589
sometimes I mean thank you very much

1040
00:41:33,840 --> 00:41:36,590
thanks

1041
00:41:47,269 --> 00:41:51,869
virtual skeptics is a weekly web show in

1042
00:41:50,070 --> 00:41:54,180
which we discuss the latest news in

1043
00:41:51,869 --> 00:41:55,650
skepticism whether it's a new case of

1044
00:41:54,179 --> 00:41:57,869
spontaneous human combustion a

1045
00:41:55,650 --> 00:42:00,090
conspiracy theory the latest update on

1046
00:41:57,869 --> 00:42:01,739
the upcoming robot apocalypse tech news

1047
00:42:00,090 --> 00:42:04,230
for skeptics are the latest wacky

1048
00:42:01,739 --> 00:42:06,599
religious claim we cover it all we

1049
00:42:04,230 --> 00:42:09,269
record the show live as a Google+ on-air

1050
00:42:06,599 --> 00:42:11,069
hang out so join us and our host Brian

1051
00:42:09,269 --> 00:42:13,739
Gregory for an hour of mostly

1052
00:42:11,070 --> 00:42:16,650
intelligent talk every Wednesday at a PM

1053
00:42:13,739 --> 00:42:19,229
eastern US time watch acid virtual

1054
00:42:16,650 --> 00:42:22,070
skeptics calm and participate in the

1055

00:42:19,230 --> 00:42:24,719
show on our hashtag virtual skeptics the

1056
00:42:22,070 --> 00:42:28,400
virtual skeptics it's like meet the

1057
00:42:24,719 --> 00:42:28,399
press but with chupacabras

1058
00:42:29,659 --> 00:42:37,369
here's may not spooky action at the

1059
00:42:34,860 --> 00:42:37,370
distance

1060
00:42:37,690 --> 00:42:41,929
yet so we are talking about skeptical

1061
00:42:40,429 --> 00:42:43,279
activism here at skeptics in the pub

1062
00:42:41,929 --> 00:42:45,440
tonight and I'm just asking a general

1063
00:42:43,280 --> 00:42:47,119
question to people what do you think

1064
00:42:45,440 --> 00:42:50,358
someone could do at home to do their own

1065
00:42:47,119 --> 00:42:52,519
a little skeptical activism well first

1066
00:42:50,358 --> 00:42:55,608
of all you've got to find a topic that

1067
00:42:52,519 --> 00:42:58,639
you think is important I mean just being

1068
00:42:55,608 --> 00:43:00,409
skeptical for no reason I don't see that

1069
00:42:58,639 --> 00:43:02,779

support and sobbing I just kind of just

1070

00:43:00,409 --> 00:43:03,739

makes you annoying really but I mean if

1071

00:43:02,780 --> 00:43:06,320

you think it's something that's

1072

00:43:03,739 --> 00:43:09,049

affecting society like you find these

1073

00:43:06,320 --> 00:43:11,990

people who are skeptical about global

1074

00:43:09,050 --> 00:43:15,859

warming then you point out the science

1075

00:43:11,989 --> 00:43:18,709

to them and when they come up with all

1076

00:43:15,858 --> 00:43:20,840

these strange statements you point out

1077

00:43:18,710 --> 00:43:24,349

why they are you know scientifically

1078

00:43:20,840 --> 00:43:27,650

meaningless and a lot of this is just

1079

00:43:24,349 --> 00:43:29,200

people rambling on about and not

1080

00:43:27,650 --> 00:43:32,389

understanding what they're talking about

1081

00:43:29,199 --> 00:43:35,419

yeah because i'm at the thinking table

1082

00:43:32,389 --> 00:43:37,519

who we got here is David and Richard

1083

00:43:35,420 --> 00:43:39,530

okay guys you're going out to me not

1084
00:43:37,519 --> 00:43:41,179
again asking me a question what do you

1085
00:43:39,530 --> 00:43:44,089
think people could do that was a bit of

1086
00:43:41,179 --> 00:43:45,230
a good Fozzie Bear there now what do you

1087
00:43:44,088 --> 00:43:47,029
think people could do is their own bit

1088
00:43:45,230 --> 00:43:50,179
of skeptical activist enough at home on

1089
00:43:47,030 --> 00:43:52,250
a small or a large scale whenever one of

1090
00:43:50,179 --> 00:43:56,149
my Facebook friends post a link to their

1091
00:43:52,250 --> 00:44:00,619
star sign I post a link and no replies

1092
00:43:56,150 --> 00:44:02,809
to feel plates debunking of astrology oh

1093
00:44:00,619 --> 00:44:04,640
now what do you reckon you could do on

1094
00:44:02,809 --> 00:44:08,480
your own individual basis do a bit of

1095
00:44:04,639 --> 00:44:12,230
skeptical activism well the same is what

1096
00:44:08,480 --> 00:44:16,349
he said I you know always post links

1097
00:44:12,230 --> 00:44:20,130
from from some of the more popular

1098
00:44:16,349 --> 00:44:23,068
stuff like dr. dady when when Equus mr.

1099
00:44:20,130 --> 00:44:24,150
Daly when you put stuff out I guess the

1100
00:44:23,068 --> 00:44:25,949
burning problem is that you know that

1101
00:44:24,150 --> 00:44:27,869
kind of stuff can go though i'll ignore

1102
00:44:25,949 --> 00:44:31,939
you or can just go back and forth till

1103
00:44:27,869 --> 00:44:35,849
three in the morning sometimes um yeah I

1104
00:44:31,940 --> 00:44:39,450
mean it's you do it for what it's worth

1105
00:44:35,849 --> 00:44:42,568
I mean but the people who you'll want to

1106
00:44:39,449 --> 00:44:45,899
listen da sta your friends yes those who

1107
00:44:42,568 --> 00:44:48,449
don't dole unfriend you over here who we

1108
00:44:45,900 --> 00:44:49,650
got here Carrie okay what do you think

1109
00:44:48,449 --> 00:44:51,568
would be something you could do on an

1110
00:44:49,650 --> 00:44:55,380
individual level is a bit of skeptical

1111
00:44:51,568 --> 00:44:59,818
activism share posts about scientific

1112

00:44:55,380 --> 00:45:01,710
skepticism and other on the other hand

1113
00:44:59,818 --> 00:45:04,409
it may be like fat check before you

1114
00:45:01,710 --> 00:45:06,659
spray it you wouldn't want to share like

1115
00:45:04,409 --> 00:45:09,478
a wrong link or a bogus link or yeah

1116
00:45:06,659 --> 00:45:10,858
yeah hmm and what sort of area would you

1117
00:45:09,478 --> 00:45:12,960
do that to what sort of thing would you

1118
00:45:10,858 --> 00:45:15,989
see on facebook where you go that cannot

1119
00:45:12,960 --> 00:45:18,429
stand vaccination global warming

1120
00:45:15,989 --> 00:45:21,760
homeopathy there's three

1121
00:45:18,429 --> 00:45:24,608
I think I know some people who pose and

1122
00:45:21,760 --> 00:45:26,980
anti-vaccination things in that I find a

1123
00:45:24,608 --> 00:45:30,279
bit worried I think somebody will post

1124
00:45:26,980 --> 00:45:31,929
things about battery supplements and

1125
00:45:30,280 --> 00:45:33,880
they're like oh yeah that's really here

1126
00:45:31,929 --> 00:45:35,919

I forgot that yeah that's a minefield

1127

00:45:33,880 --> 00:45:37,059

isn't it okay thank you now you're

1128

00:45:35,920 --> 00:45:38,829

wandering around here in your bump into

1129

00:45:37,059 --> 00:45:41,619

jessica singer how are you everyone's

1130

00:45:38,829 --> 00:45:44,200

favorite corporate lawyer I'm extremely

1131

00:45:41,619 --> 00:45:46,599

well thank you may not we're talking

1132

00:45:44,199 --> 00:45:48,549

about skeptical activism this evening

1133

00:45:46,599 --> 00:45:50,588

and we're wondering on a personal level

1134

00:45:48,550 --> 00:45:52,450

what sort of skeptical activism can

1135

00:45:50,588 --> 00:45:54,039

people do either on their own or in

1136

00:45:52,449 --> 00:45:56,769

their workplace you know without causing

1137

00:45:54,039 --> 00:45:59,409

too much fuss oh oh well in the

1138

00:45:56,769 --> 00:46:01,059

workplace that's a hard one oh yeah

1139

00:45:59,409 --> 00:46:02,078

because because in the workplace you

1140

00:46:01,059 --> 00:46:03,160

know you don't want to make too much of

1141
00:46:02,079 --> 00:46:04,990
a pain of yourself but then again

1142
00:46:03,159 --> 00:46:08,409
there's often someone flaunting some

1143
00:46:04,989 --> 00:46:12,759
wacky stuff yeah I think I think the

1144
00:46:08,409 --> 00:46:14,588
best you can do is read there's an

1145
00:46:12,760 --> 00:46:17,170
article by Brian Dunning which is very

1146
00:46:14,588 --> 00:46:21,849
good called what to do when a friend

1147
00:46:17,170 --> 00:46:23,769
loves whoo and that gives some really

1148
00:46:21,849 --> 00:46:29,079
good tips for approaching people

1149
00:46:23,769 --> 00:46:31,119
respectfully and gently when they have

1150
00:46:29,079 --> 00:46:33,250
wacky views and that's actually very

1151
00:46:31,119 --> 00:46:34,480
useful for people in the workplace

1152
00:46:33,250 --> 00:46:35,769
because you want to get on with your

1153
00:46:34,480 --> 00:46:38,108
colleagues and you don't want to cause

1154
00:46:35,769 --> 00:46:40,900
World War three and people hold their

1155
00:46:38,108 --> 00:46:42,250
views very daily so what would you think

1156
00:46:40,900 --> 00:46:46,440
would be another thing people can do on

1157
00:46:42,250 --> 00:46:49,119
their own well if you're a beginner in

1158
00:46:46,440 --> 00:46:52,240
so to speak I think the best thing you

1159
00:46:49,119 --> 00:46:55,838
can do is educate yourself so go to

1160
00:46:52,239 --> 00:46:58,449
things like mind body spirit also known

1161
00:46:55,838 --> 00:47:01,449
as mind-body wallet and then if you if

1162
00:46:58,449 --> 00:47:04,269
you're if you know a bit more about

1163
00:47:01,449 --> 00:47:07,449
skepticism and the the areas that we

1164
00:47:04,269 --> 00:47:09,670
that we address there and you really

1165
00:47:07,449 --> 00:47:12,639
really wanted to contribute then I think

1166
00:47:09,670 --> 00:47:15,460
you think of what your area of expertise

1167
00:47:12,639 --> 00:47:17,500
is and how you can contribute I mean I'm

1168
00:47:15,460 --> 00:47:21,849
a lawyer not a scientist I'm not a

1169

00:47:17,500 --> 00:47:25,869
doctor so I can contribute by being a

1170
00:47:21,849 --> 00:47:27,630
member of the organization and doing

1171
00:47:25,869 --> 00:47:30,579
practical things like being a secretary

1172
00:47:27,630 --> 00:47:32,170
helping the organization run making sure

1173
00:47:30,579 --> 00:47:33,910
all the legal obligations are complied

1174
00:47:32,170 --> 00:47:36,280
with that kind of thing so there's

1175
00:47:33,909 --> 00:47:38,588
whatever your expertise i think there's

1176
00:47:36,280 --> 00:47:40,960
always a way someone can contribute okay

1177
00:47:38,588 --> 00:47:42,789
and do get into too much of those

1178
00:47:40,960 --> 00:47:44,170
late-night back and forth on the

1179
00:47:42,789 --> 00:47:45,519
internet stuff do you get into that kind

1180
00:47:44,170 --> 00:47:47,019
of thing like dr. rate she does you know

1181
00:47:45,519 --> 00:47:49,329
dr. Reggie is up late going you're wrong

1182
00:47:47,019 --> 00:47:51,280
you're wrong now I avoid that like the

1183
00:47:49,329 --> 00:47:53,760

play I think that's a waste of time I

1184

00:47:51,280 --> 00:47:56,440

think I think I'm a lawyer so

1185

00:47:53,760 --> 00:47:58,510

negotiating and putting arguments to

1186

00:47:56,440 --> 00:48:02,409

people and putting my point of view to

1187

00:47:58,510 --> 00:48:08,010

people is is my job I think the Internet

1188

00:48:02,409 --> 00:48:11,649

is a not a good forum to do that and

1189

00:48:08,010 --> 00:48:14,740

it's also personally it's very annoying

1190

00:48:11,650 --> 00:48:16,880

for me to see people argue things badly

1191

00:48:14,739 --> 00:48:20,869

and

1192

00:48:16,880 --> 00:48:22,490

yeah over a moat emotionally dr. Rachel

1193

00:48:20,869 --> 00:48:24,619

just tends to bulldoze them with science

1194

00:48:22,489 --> 00:48:27,199

there so that she is pretty good at it

1195

00:48:24,619 --> 00:48:29,150

but I guess years of practice she's

1196

00:48:27,199 --> 00:48:30,679

awesome and unfortunately I don't have

1197

00:48:29,150 --> 00:48:34,190

that scientific knowledge to be able to

1198
00:48:30,679 --> 00:48:38,000
do that so I leave it to the experts

1199
00:48:34,190 --> 00:48:41,119
like dr. ohe okay and I know I sit on

1200
00:48:38,000 --> 00:48:42,889
the sidelines and eat popcorn no we got

1201
00:48:41,119 --> 00:48:47,329
he ever got a Victorian visitor to our

1202
00:48:42,889 --> 00:48:48,589
gathering tonight rosemary Skeets where

1203
00:48:47,329 --> 00:48:50,329
do you normally hang with the rough

1204
00:48:48,590 --> 00:48:53,570
Melbourne skeptics to you about it oh

1205
00:48:50,329 --> 00:48:56,210
well Victorian skeptics at our monthly

1206
00:48:53,570 --> 00:48:58,700
venue and the restaurant strip of

1207
00:48:56,210 --> 00:49:00,949
Melbourne well that's pretty good are

1208
00:48:58,699 --> 00:49:03,230
not restaurant an Italian restaurant in

1209
00:49:00,949 --> 00:49:04,429
the big the big restaurant road and what

1210
00:49:03,230 --> 00:49:05,960
do you think people can do on the

1211
00:49:04,429 --> 00:49:08,059
individual level to be their own

1212
00:49:05,960 --> 00:49:09,530
activists beard at work or online or

1213
00:49:08,059 --> 00:49:11,509
something because you're bugbears

1214
00:49:09,530 --> 00:49:16,090
homeopathy is enough it definitely is

1215
00:49:11,510 --> 00:49:19,070
I'm I'm an active member of my local u3a

1216
00:49:16,090 --> 00:49:24,110
University of the third age and there

1217
00:49:19,070 --> 00:49:27,860
are people in that tub mp3 a who swear

1218
00:49:24,110 --> 00:49:29,570
by homeopathy so how do you how do you

1219
00:49:27,860 --> 00:49:31,660
do it in a nice way to let them know

1220
00:49:29,570 --> 00:49:34,970
that they may be misleading themselves

1221
00:49:31,659 --> 00:49:38,059
well I have tried to explain to them the

1222
00:49:34,969 --> 00:49:41,869
mathematics behind it and also some of

1223
00:49:38,059 --> 00:49:44,449
the the absurdities if they if you

1224
00:49:41,869 --> 00:49:48,319
explain the theory now i'm borrowing

1225
00:49:44,449 --> 00:49:50,119
from Peter Babbage here because I heard

1226

00:49:48,320 --> 00:49:54,400
of him say before but you know if the

1227
00:49:50,119 --> 00:49:58,119
theory of homeopathy was valid then

1228
00:49:54,400 --> 00:50:01,849
chili peppers yeah if like killers like

1229
00:49:58,119 --> 00:50:03,829
chili peppers which cause you know your

1230
00:50:01,849 --> 00:50:06,619
body to swim they should cure high

1231
00:50:03,829 --> 00:50:09,079
fevers too much sugar will cause your

1232
00:50:06,619 --> 00:50:11,630
blood sugar to rise and maybe cause

1233
00:50:09,079 --> 00:50:13,929
diabetes so lollies lollies ought to be

1234
00:50:11,630 --> 00:50:15,910
a cure for diabetes

1235
00:50:13,929 --> 00:50:18,940
you know how do they normally go when

1236
00:50:15,909 --> 00:50:21,848
you float this to him ah they just i

1237
00:50:18,940 --> 00:50:25,769
glazed their eyes glaze over but the

1238
00:50:21,849 --> 00:50:29,200
ultimate one is the champ if arsenic

1239
00:50:25,769 --> 00:50:31,929
will lead to death after they can

1240
00:50:29,199 --> 00:50:35,019

arsenic is poisonous than arsenic

1241
00:50:31,929 --> 00:50:37,358
diluted astley gotta cure death oh I

1242
00:50:35,019 --> 00:50:40,030
guessed a lot logic follows with that

1243
00:50:37,358 --> 00:50:41,558
and do you get in long debates with them

1244
00:50:40,030 --> 00:50:45,400
or they just glaze over and move along

1245
00:50:41,559 --> 00:50:48,040
no no I am few years ago I organized a

1246
00:50:45,400 --> 00:50:49,900
course at my local you three I didn't

1247
00:50:48,039 --> 00:50:52,088
actually presented myself I lined up a

1248
00:50:49,900 --> 00:50:53,740
few members of the Victorian skeptics to

1249
00:50:52,088 --> 00:50:57,099
do the presenting including Steve

1250
00:50:53,739 --> 00:51:00,098
Roberts there was a course called

1251
00:50:57,099 --> 00:51:02,710
critical thinking and one of the topics

1252
00:51:00,099 --> 00:51:06,369
advertised that would be covered with

1253
00:51:02,710 --> 00:51:08,440
homeopathy and there's one woman who

1254
00:51:06,369 --> 00:51:11,980
when she saw the list of topics said

1255
00:51:08,440 --> 00:51:15,039
well let me know in advance which week

1256
00:51:11,980 --> 00:51:17,440
homeopathy will be covered because I

1257
00:51:15,039 --> 00:51:19,808
won't come to that one because I believe

1258
00:51:17,440 --> 00:51:23,559
in it and I don't want to hear anything

1259
00:51:19,809 --> 00:51:27,819
that might make me doubt it so that was

1260
00:51:23,559 --> 00:51:30,220
rather telling and who we got here hello

1261
00:51:27,818 --> 00:51:31,119
my name's Naomi no no I mean now what do

1262
00:51:30,219 --> 00:51:32,500
you think people could do on an

1263
00:51:31,119 --> 00:51:34,059
individual level for a bit of a

1264
00:51:32,500 --> 00:51:36,130
skeptical activism we've we've heard

1265
00:51:34,059 --> 00:51:37,930
some really good answers tonight well

1266
00:51:36,130 --> 00:51:39,849
really simple ways whenever your friends

1267
00:51:37,929 --> 00:51:42,129
post something stupid on facebook as you

1268
00:51:39,849 --> 00:51:43,660
link them to snopes what's the most

1269
00:51:42,130 --> 00:51:45,760
common one that you keep coming up with

1270
00:51:43,659 --> 00:51:46,838
that you have to keep linking to it's

1271
00:51:45,760 --> 00:51:48,579
always something different every day

1272
00:51:46,838 --> 00:51:50,170
this is so many to choose from but

1273
00:51:48,579 --> 00:51:52,720
smokes is covered most of them so it's

1274
00:51:50,170 --> 00:51:53,889
very easy to find things very quickly is

1275
00:51:52,719 --> 00:51:55,989
there normally one like there's some

1276
00:51:53,889 --> 00:51:57,460
crazed killer in their area or something

1277
00:51:55,989 --> 00:51:58,629
and it's a generic thing from America

1278
00:51:57,460 --> 00:52:00,548
that they're posting that that's always

1279
00:51:58,630 --> 00:52:02,559
a good luck sometimes you get the whole

1280
00:52:00,548 --> 00:52:04,329
chloroform perfume in the car park kind

1281
00:52:02,559 --> 00:52:05,859
of scare so it's actually very nice

1282
00:52:04,329 --> 00:52:07,539
being a skeptic there's so much left to

1283

00:52:05,858 --> 00:52:10,048
fear you only have to be afraid of the

1284
00:52:07,539 --> 00:52:10,048
real things

1285
00:52:22,349 --> 00:52:28,960
not just dollars the hidden res on

1286
00:52:26,050 --> 00:52:31,690
better of the art forger speaker Laura

1287
00:52:28,960 --> 00:52:34,449
Nichols date monday the 13th of July

1288
00:52:31,690 --> 00:52:37,599
2015 location The Daily Chronicle room

1289
00:52:34,449 --> 00:52:41,108
east hotel 69 Canberra Avenue Kingston

1290
00:52:37,599 --> 00:52:42,760
in the acct admission is free now you

1291
00:52:41,108 --> 00:52:45,159
don't need to forge any artwork or

1292
00:52:42,760 --> 00:52:47,349
certificates or counterfeit any money to

1293
00:52:45,159 --> 00:52:50,078
attend this interesting talk organised

1294
00:52:47,349 --> 00:52:53,530
once again by the Canberra skeptics ww

1295
00:52:50,079 --> 00:52:55,720
Canberra cftc org a you worth

1296
00:52:53,530 --> 00:53:03,550
bookmarking they have interesting talks

1297
00:52:55,719 --> 00:53:05,169

throughout the year hi this is Heidi

1298

00:53:03,550 --> 00:53:08,260

Robertson from the Northern Rivers

1299

00:53:05,170 --> 00:53:10,630

vaccination supporters we are a group of

1300

00:53:08,260 --> 00:53:12,490

concerned citizens dedicated to

1301

00:53:10,630 --> 00:53:15,369

promoting good science and common sense

1302

00:53:12,489 --> 00:53:18,489

in our region the far north coast of New

1303

00:53:15,369 --> 00:53:20,818

South Wales this area of famous for its

1304

00:53:18,489 --> 00:53:24,009

natural beauty and relaxed lifestyle

1305

00:53:20,818 --> 00:53:27,279

also has the lowest rates of vaccination

1306

00:53:24,010 --> 00:53:28,839

in Australia we are out to change that

1307

00:53:27,280 --> 00:53:31,540

by challenging the myths and

1308

00:53:28,838 --> 00:53:33,730

misinformation and by providing good

1309

00:53:31,539 --> 00:53:36,579

evidence based information to the

1310

00:53:33,730 --> 00:53:39,010

community we'd love for you no matter

1311

00:53:36,579 --> 00:53:44,730

where you are in the world to join our

1312
00:53:39,010 --> 00:53:49,270
fight please visit our webpage at ww

1313
00:53:44,730 --> 00:53:52,990
nrvs info we also have a link there to

1314
00:53:49,269 --> 00:53:56,829
our facebook page tweet us at in our

1315
00:53:52,989 --> 00:53:58,739
faqs supporters that's vix and check us

1316
00:53:56,829 --> 00:54:01,680
out on Wikipedia by searching for

1317
00:53:58,739 --> 00:54:04,889
Northern Rivers vaccination supporters

1318
00:54:01,679 --> 00:54:04,889
thank you

1319
00:54:19,130 --> 00:54:24,300
thanks to the drinks Richard where's my

1320
00:54:22,079 --> 00:54:25,739
credit card Maynard um I gave it to a

1321
00:54:24,300 --> 00:54:28,560
lovely lady downstairs that i'll be

1322
00:54:25,739 --> 00:54:31,769
joining fairly shortly uh-huh what we

1323
00:54:28,559 --> 00:54:33,420
are saunders hahaha well thank you

1324
00:54:31,769 --> 00:54:35,280
everybody for listening to the skeptic

1325
00:54:33,420 --> 00:54:36,720
zone it's been an interesting show lots

1326
00:54:35,280 --> 00:54:38,490
of things that we didn't even expect

1327
00:54:36,719 --> 00:54:40,289
that's right when the skeptics get

1328
00:54:38,489 --> 00:54:42,750
together and it's the first thursday of

1329
00:54:40,289 --> 00:54:44,969
every month at the crown hotel in

1330
00:54:42,750 --> 00:54:47,460
goulburn street in sydney and because of

1331
00:54:44,969 --> 00:54:49,489
wibbly-wobbly timey-wimey bits you would

1332
00:54:47,460 --> 00:54:51,690
have heard in that episode just gone

1333
00:54:49,489 --> 00:54:52,919
interviews manor did here tonight at

1334
00:54:51,690 --> 00:54:55,650
skeptics in the pub which you haven't

1335
00:54:52,920 --> 00:55:00,930
even done yet I know and let me tell you

1336
00:54:55,650 --> 00:55:03,960
I was funny you will be and you were as

1337
00:55:00,929 --> 00:55:07,710
funny and I was insightful well it I

1338
00:55:03,960 --> 00:55:10,230
come on let's not stretch it now coming

1339
00:55:07,710 --> 00:55:12,889
up are in coming weeks coming up in

1340

00:55:10,230 --> 00:55:15,269
coming weeks on the skeptic zone tam

1341
00:55:12,889 --> 00:55:18,239
after Tammy i'm off to term again I'll

1342
00:55:15,269 --> 00:55:19,800
be reporting from Tam Las Vegas but on

1343
00:55:18,239 --> 00:55:21,629
next week's show I'm not exactly sure

1344
00:55:19,800 --> 00:55:23,240
what's coming up I guess I'll find out

1345
00:55:21,630 --> 00:55:26,220
when I hear it wibbly-wobbly timey-wimey

1346
00:55:23,239 --> 00:55:28,679
you know oh so thank you for listening

1347
00:55:26,219 --> 00:55:30,329
to the skeptic zone and thank you

1348
00:55:28,679 --> 00:55:32,639
everybody for sticking with a skeptic

1349
00:55:30,329 --> 00:55:34,500
zone for coming up to seven years or

1350
00:55:32,639 --> 00:55:36,779
eight years or something I've got 350

1351
00:55:34,500 --> 00:55:39,150
episodes like I said at the top of the

1352
00:55:36,780 --> 00:55:40,710
show Maynard I think I need a rest look

1353
00:55:39,150 --> 00:55:42,090
you know you get that first year out of

1354
00:55:40,710 --> 00:55:44,220

the gate was great you went through your

1355

00:55:42,090 --> 00:55:46,559

six years slump but now the last year

1356

00:55:44,219 --> 00:55:48,299

you have been back in your game I have

1357

00:55:46,559 --> 00:55:49,860

oh and another big thank you to

1358

00:55:48,300 --> 00:55:52,620

everybody who's been writing to me with

1359

00:55:49,860 --> 00:55:54,480

them very warm well wishes about my

1360

00:55:52,619 --> 00:55:56,609

recent surgery well I'm out and about

1361

00:55:54,480 --> 00:55:58,380

i'm very happy to be here and may not a

1362

00:55:56,610 --> 00:56:00,269

big thank you to you for coming by

1363

00:55:58,380 --> 00:56:02,579

hospital to pick me up and I was out of

1364

00:56:00,269 --> 00:56:03,750

my skull when you pick me up I think you

1365

00:56:02,579 --> 00:56:04,889

see you were so out of it you didn't

1366

00:56:03,750 --> 00:56:06,269

notice that I was actually more out of

1367

00:56:04,889 --> 00:56:07,889

it the new work which is probably good

1368

00:56:06,269 --> 00:56:09,949

thing you didn't know that it's a good

1369
00:56:07,889 --> 00:56:12,119
thing man out it's a good thing I

1370
00:56:09,949 --> 00:56:13,649
usually have a gym last edit when I'm

1371
00:56:12,119 --> 00:56:16,199
driving the boy swag and I find it it's

1372
00:56:13,650 --> 00:56:17,519
safer for everybody now main ID you've

1373
00:56:16,199 --> 00:56:19,049
been very busy of course with bunga

1374
00:56:17,519 --> 00:56:20,699
bunga I have indeed I've been doing some

1375
00:56:19,050 --> 00:56:22,440
stuff with Tim Ferguson just pop over to

1376
00:56:20,699 --> 00:56:23,299
Maynard comdata you or you might have

1377
00:56:22,440 --> 00:56:24,860
heard a little bit of during

1378
00:56:23,300 --> 00:56:26,150
so just come and have a listen and I

1379
00:56:24,860 --> 00:56:27,740
want to thank on behalf of Richard

1380
00:56:26,150 --> 00:56:29,510
everyone who supports a skeptic zone

1381
00:56:27,739 --> 00:56:31,519
financially with those micro payments he

1382
00:56:29,510 --> 00:56:33,200
really appreciates it I do they help pay

1383
00:56:31,519 --> 00:56:35,360
for my surgery now I do folks they help

1384
00:56:33,199 --> 00:56:37,069
pay for the skipping zone okay my night

1385
00:56:35,360 --> 00:56:38,690
I think it's time for run downstairs and

1386
00:56:37,070 --> 00:56:41,000
find my credit card and we can sign off

1387
00:56:38,690 --> 00:56:42,380
if you're depending on those micro

1388
00:56:41,000 --> 00:56:49,699
payments i would have loved the surgery

1389
00:56:42,380 --> 00:56:51,320
you would have got banks may not you've

1390
00:56:49,699 --> 00:56:54,889
been listening to the skeptics own

1391
00:56:51,320 --> 00:56:57,800
podcast because of our website at wwc a

1392
00:56:54,889 --> 00:57:01,250
petting zoo TV for contacts an archive

1393
00:56:57,800 --> 00:57:03,950
of all episodes since 2008 and our

1394
00:57:01,250 --> 00:57:05,860
online store please support the skeptic

1395
00:57:03,949 --> 00:57:09,019
zone by following us on twitter at

1396
00:57:05,860 --> 00:57:12,650
skeptic zone liking us on facebook and

1397

00:57:09,019 --> 00:57:14,840
leaving a review on iTunes you can also

1398
00:57:12,650 --> 00:57:18,010
show your support by subscribing via

1399
00:57:14,840 --> 00:57:20,780
paypal for as little as 99 cents a week

1400
00:57:18,010 --> 00:57:22,430
the skeptic zone is an independent

1401
00:57:20,780 --> 00:57:24,860
production the views and opinions

1402
00:57:22,429 --> 00:57:26,929
expressed on the skeptic zone and not

1403
00:57:24,860 --> 00:57:32,140
necessarily those of australian skeptic

1404
00:57:26,929 --> 00:57:32,139
ink or any other skeptical organization

1405
00:57:32,610 --> 00:57:34,640
Oh