

The Skeptic Zone
Show 350 - 5 June 2015



Nicole Rogerson

1
00:00:22,800 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:26,020 --> 00:00:24,730
people are rushing people are hashing

3
00:00:27,520 --> 00:00:26,030
people all over the street are pushing

4
00:00:28,990 --> 00:00:27,530
each other the ground and going my god

5
00:00:31,570 --> 00:00:29,000
it's time for the skipping zone and it

6
00:00:32,680 --> 00:00:31,580
is and here's Richard Saunders the man

7
00:00:34,630 --> 00:00:32,690
with the answers of the questions you

8
00:00:36,760 --> 00:00:34,640
don't know I don't even know the

9
00:00:38,470 --> 00:00:36,770
questions may not hmm how big is a

10
00:00:41,440 --> 00:00:38,480
chicken and will it fit in my recycling

11
00:00:43,570 --> 00:00:41,450
bin there we go that's again what do we

12
00:00:45,729 --> 00:00:43,580
got today but man it's a big number it's

13
00:00:48,820 --> 00:00:45,739

a big number for a big show it is this

14

00:00:51,430 --> 00:00:48,830

is the skeptic zone episode number 350 I

15

00:00:52,829 --> 00:00:51,440

think I need a rest hmm I think you need

16

00:00:54,729 --> 00:00:52,839

the race downstairs and get something

17

00:00:56,799 --> 00:00:54,739

I've got it I've got it right here

18

00:00:58,660 --> 00:00:56,809

exhale where it skeptics in the pub

19

00:01:01,990 --> 00:00:58,670

we're recording this intro at skeptics

20

00:01:05,170 --> 00:01:02,000

in the pub yes this is show 350 can't

21

00:01:07,360 --> 00:01:05,180

believe it for the fifth of July 2015

22

00:01:08,770 --> 00:01:07,370

it's Richard Saunders here with me night

23

00:01:10,810 --> 00:01:08,780

at skeptics in the pub waiting for the

24

00:01:12,430 --> 00:01:10,820

crowds to come in before the crowds come

25

00:01:14,530 --> 00:01:12,440

in we'll let you know what's coming up

26

00:01:16,780 --> 00:01:14,540

on this week's show I'm going to be

27

00:01:19,000 --> 00:01:16,790

speaking to Jax Kellen from Victoria

28

00:01:22,060 --> 00:01:19,010

he's involved with a new scientific

29

00:01:24,340 --> 00:01:22,070

outreach program very exciting always a

30

00:01:25,899 --> 00:01:24,350

fan of scientific outreach and we're

31

00:01:28,779 --> 00:01:25,909

going to be hearing an interview you did

32

00:01:30,520 --> 00:01:28,789

with Nicole Rogerson yes from autism

33

00:01:32,170 --> 00:01:30,530

awareness she's got some things to

34

00:01:34,480 --> 00:01:32,180

mention about her personal experiences

35

00:01:36,010 --> 00:01:34,490

with an autistic child and with the

36

00:01:37,929 --> 00:01:36,020

organization and the kind of people who

37

00:01:40,420 --> 00:01:37,939

suggest things to her that shall we say

38

00:01:41,830 --> 00:01:40,430

not evidence-based really really

39

00:01:44,080 --> 00:01:41,840

interesting interview I was there today

40

00:01:47,230 --> 00:01:44,090

while you're doing that interview the

41

00:01:50,289 --> 00:01:47,240

woo around autism may not that's scarier

42

00:01:51,669 --> 00:01:50,299

than well I imagine because there aren't

43

00:01:53,109 --> 00:01:51,679

as many answers as people would like

44

00:01:56,169 --> 00:01:53,119

that's where people try and fill the

45

00:01:58,870 --> 00:01:56,179

gaps absolutely and it's a classic case

46

00:02:00,370 --> 00:01:58,880

of magical thinking coming in and

47

00:02:01,830 --> 00:02:00,380

wishful thinking because it's a pretty

48

00:02:04,300 --> 00:02:01,840

traumatic thing for some parents I think

49

00:02:05,709 --> 00:02:04,310

also on this week's show we have a week

50

00:02:07,480 --> 00:02:05,719

in science as ever we have a week in

51
00:02:10,210 --> 00:02:07,490
science and some other things coming up

52
00:02:12,280 --> 00:02:10,220
I don't even know of yet because well I

53
00:02:13,420 --> 00:02:12,290
haven't recorded them okay well we're

54
00:02:15,310 --> 00:02:13,430
gonna have a big night here it's going

55
00:02:17,800 --> 00:02:15,320
to go bit crazy we've got the bar tab

56
00:02:19,840 --> 00:02:17,810
running and who knows what can go on the

57
00:02:22,450 --> 00:02:19,850
bar tab yea though I didn't know about

58
00:02:24,130 --> 00:02:22,460
this bar tab Maynard what's is bad you

59
00:02:25,180 --> 00:02:24,140
notice that you are life one credit card

60
00:02:26,980 --> 00:02:25,190
it's going to be a hell of a night

61
00:02:28,810 --> 00:02:26,990
people the drinks are on me I think it's

62
00:02:30,370 --> 00:02:28,820
time to run downstairs put as much as

63
00:02:32,559 --> 00:02:30,380

possible on Richards credit card and

64

00:02:34,660 --> 00:02:32,569

then leg it yes

65

00:02:51,760 --> 00:02:34,670

may not while your legging it I'm going

66

00:02:59,970 --> 00:02:56,200

here's Maynard spooky action at a

67

00:03:05,440 --> 00:03:02,890

it's a beautiful sunny morning here at

68

00:03:08,470 --> 00:03:05,450

the lizard Center in lancovit with

69

00:03:10,120 --> 00:03:08,480

Nicole Rogerson good morning men on you

70

00:03:12,220 --> 00:03:10,130

recently addressed the whole bunch of

71

00:03:13,870 --> 00:03:12,230

Australian skeptics in Sydney at a

72

00:03:15,430 --> 00:03:13,880

dinner there and gave them and talk that

73

00:03:17,410 --> 00:03:15,440

I believe the review was you wowed them

74

00:03:18,729 --> 00:03:17,420

well I hope I did because I assume that

75

00:03:21,220 --> 00:03:18,739

was skeptical about whether i would or

76

00:03:23,380 --> 00:03:21,230

not um there's people that going why

77

00:03:24,759 --> 00:03:23,390

would I boo no I'll hold up hold off the

78

00:03:27,670 --> 00:03:24,769

booing what was the topic what are you

79

00:03:30,509 --> 00:03:27,680

on about well my only topic is talking

80

00:03:34,990 --> 00:03:30,519

about autism so i think i was invited

81

00:03:38,620 --> 00:03:35,000

because of the amount of skepticism i

82

00:03:40,539 --> 00:03:38,630

guess around autism as a condition and

83

00:03:42,820 --> 00:03:40,549

the treatments for it and and some of

84

00:03:44,740 --> 00:03:42,830

the bigger issues let's back up a bit

85

00:03:47,860 --> 00:03:44,750

and of course you're the mother of

86

00:03:50,050 --> 00:03:47,870

naughty boy I am I have a 19 year old

87

00:03:52,720 --> 00:03:50,060

son on the autism spectrum and how's it

88

00:03:54,190 --> 00:03:52,730

going and and what was a what Bob way

89

00:03:55,630 --> 00:03:54,200

through your thoughts and how did you

90

00:03:57,520 --> 00:03:55,640

find out he was autistic in the first

91

00:03:59,410 --> 00:03:57,530

place as someone who has no kids knows

92

00:04:02,710 --> 00:03:59,420

very little about this area school me

93

00:04:04,599 --> 00:04:02,720

Nicole school me well I can't say it's a

94

00:04:06,430 --> 00:04:04,609

terribly proud story about diagnosis for

95

00:04:09,520 --> 00:04:06,440

Jack because I think it would have been

96

00:04:12,789 --> 00:04:09,530

obvious from the age of 2 that he wasn't

97

00:04:14,830 --> 00:04:12,799

developing like his peers were but to

98

00:04:17,620 --> 00:04:14,840

Ian and I my husband and I we were quite

99

00:04:18,969 --> 00:04:17,630

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

100

00:04:20,110 --> 00:04:18,979

early warning signs so that's kind of

101
00:04:22,180 --> 00:04:20,120
one of the issues i'm a little bit

102
00:04:23,770 --> 00:04:22,190
passionate about showing parents what

103
00:04:25,240 --> 00:04:23,780
autism can look like because it's the

104
00:04:27,490 --> 00:04:25,250
early in early intervention that makes

105
00:04:28,960 --> 00:04:27,500
such a huge difference i imagine parents

106
00:04:30,700 --> 00:04:28,970
can be so paranoid about the health of

107
00:04:32,230 --> 00:04:30,710
their children they can imagine there's

108
00:04:34,450 --> 00:04:32,240
things there that aren't a lot the time

109
00:04:35,890 --> 00:04:34,460
as well I think it goes both ways I

110
00:04:37,420 --> 00:04:35,900
think you tend to have parents who

111
00:04:38,920 --> 00:04:37,430
minimize it and say no no I'm sure it's

112
00:04:40,750 --> 00:04:38,930
fine it's fine it's fine and then

113
00:04:42,460 --> 00:04:40,760

likewise other parents who who are

114

00:04:44,140 --> 00:04:42,470

looking at every developmental milestone

115

00:04:45,790 --> 00:04:44,150

and being very concerned if their

116

00:04:48,790 --> 00:04:45,800

children don't meet it I think our

117

00:04:50,710 --> 00:04:48,800

message is no one should panic what we

118

00:04:53,409 --> 00:04:50,720

should do is is look at a child around

119

00:04:55,270 --> 00:04:53,419

18 months to years of age if they're not

120

00:04:56,860 --> 00:04:55,280

reaching the developmental milestones we

121

00:04:58,540 --> 00:04:56,870

would be expecting that doesn't

122

00:04:59,950 --> 00:04:58,550

necessarily mean it's autism but it does

123

00:05:03,400 --> 00:04:59,960

mean we have to keep a bit of a close

124

00:05:05,080 --> 00:05:03,410

eye and pass the age of two we're going

125

00:05:06,850 --> 00:05:05,090

to start referring to other people and

126

00:05:09,100 --> 00:05:06,860

bring some specialists in to see what

127

00:05:10,370 --> 00:05:09,110

exactly we're looking at I remember when

128

00:05:13,160 --> 00:05:10,380

you named it jack

129

00:05:14,900 --> 00:05:13,170

that is a fantastic name that is that

130

00:05:17,840 --> 00:05:14,910

that's someone who puts that oil-rig

131

00:05:19,670 --> 00:05:17,850

fires and it is quick get Jack Rogerson

132

00:05:21,260 --> 00:05:19,680

do you know what he was named after Jack

133

00:05:22,490 --> 00:05:21,270

Ryan I'm sure the grandparents thought

134

00:05:24,020 --> 00:05:22,500

it was there but it wasn't it was named

135

00:05:25,220 --> 00:05:24,030

after jack ryan when that harrison ford

136

00:05:28,190 --> 00:05:25,230

movie yeah totally i but he's going to

137

00:05:30,200 --> 00:05:28,200

be President uh he might be he's done

138

00:05:33,170 --> 00:05:30,210

really well and when you discover that

139

00:05:34,970 --> 00:05:33,180

you have a child is on the spectrum at

140

00:05:37,280 --> 00:05:34,980

what point does the parent blame or the

141

00:05:38,690 --> 00:05:37,290

mother blame come into it and is that

142

00:05:39,890 --> 00:05:38,700

something that you usually put upon

143

00:05:42,320 --> 00:05:39,900

yourself or is that something that

144

00:05:44,870 --> 00:05:42,330

society or you think yeah where does

145

00:05:46,460 --> 00:05:44,880

that happen I think not to get too Oprah

146

00:05:48,350 --> 00:05:46,470

about it but I don't know we don't want

147

00:05:50,390 --> 00:05:48,360

that we don't want it no I what I do

148

00:05:51,800 --> 00:05:50,400

think happens and I've seen it not

149

00:05:53,060 --> 00:05:51,810

obviously just in myself but in the

150

00:05:54,710 --> 00:05:53,070

thousands of parents I've known with

151
00:05:56,180 --> 00:05:54,720
children on the spectrum is there really

152
00:05:58,790 --> 00:05:56,190
are the stages of grief it's almost

153
00:06:00,890 --> 00:05:58,800
textbook of you know your denial stage

154
00:06:03,140 --> 00:06:00,900
of your acceptance stage of your you

155
00:06:05,690 --> 00:06:03,150
know whatever I remember one day

156
00:06:08,120 --> 00:06:05,700
distinctly begging God I won't swear

157
00:06:09,770 --> 00:06:08,130
anymore if you take this away and then

158
00:06:12,410 --> 00:06:09,780
at once each other oh my goodness bad

159
00:06:14,690 --> 00:06:12,420
time to be an atheist better what the

160
00:06:17,180 --> 00:06:14,700
hell it can't hurt to ask so look I

161
00:06:19,610 --> 00:06:17,190
think I can joke about it now obviously

162
00:06:21,530 --> 00:06:19,620
it's many years later after my child was

163
00:06:24,230 --> 00:06:21,540

diagnosed I appreciate for parents who

164

00:06:26,000 --> 00:06:24,240

are newer to this it can be a lot more

165

00:06:28,250 --> 00:06:26,010

distressing because it's the fear of the

166

00:06:30,140 --> 00:06:28,260

unknown it's not that you know what

167

00:06:31,630 --> 00:06:30,150

autism is you just you're fearful

168

00:06:34,820 --> 00:06:31,640

because you've read of what it might be

169

00:06:36,440 --> 00:06:34,830

and there's not really a lot of point in

170

00:06:38,420 --> 00:06:36,450

spending a lot of time in that headspace

171

00:06:41,120 --> 00:06:38,430

and what we try and do with parents has

172

00:06:42,410 --> 00:06:41,130

say an autism diagnosis is challenging

173

00:06:44,120 --> 00:06:42,420

but it's not the end of the world this

174

00:06:45,830 --> 00:06:44,130

is not the biggest tragedy that's going

175

00:06:47,840 --> 00:06:45,840

to happen but we need to get that little

176

00:06:50,120 --> 00:06:47,850

person busy in order to give them the

177

00:06:53,030 --> 00:06:50,130

best chance of an independent life and a

178

00:06:55,760 --> 00:06:53,040

good outcome and within your work with

179

00:06:57,320 --> 00:06:55,770

children and as a mother of jack when

180

00:06:59,840 --> 00:06:57,330

was the first time someone came to you

181

00:07:03,050 --> 00:06:59,850

with their personal theory or a general

182

00:07:05,150 --> 00:07:03,060

theory of why this was happening um i

183

00:07:06,860 --> 00:07:05,160

guess i happen to be the first

184

00:07:09,620 --> 00:07:06,870

generation that wasn't necessarily

185

00:07:11,600 --> 00:07:09,630

pointing the finger at the mum that that

186

00:07:14,000 --> 00:07:11,610

certainly was in the 60s and 70s and 80s

187

00:07:15,830 --> 00:07:14,010

very much the idea that the children had

188

00:07:17,090 --> 00:07:15,840

autism as a result of their mother being

189

00:07:18,800 --> 00:07:17,100

very Mother's being very cold

190

00:07:20,270 --> 00:07:18,810

refrigerator mother's as what they used

191

00:07:23,180 --> 00:07:20,280

to call it I guess I was pretty

192

00:07:24,410 --> 00:07:23,190

confident that that wasn't at play in my

193

00:07:26,150 --> 00:07:24,420

case because

194

00:07:28,820 --> 00:07:26,160

there couldn't be anything on the planet

195

00:07:32,330 --> 00:07:28,830

I loved more than Jack Rogerson so I

196

00:07:33,530 --> 00:07:32,340

knew that it wasn't a lack of love but

197

00:07:36,380 --> 00:07:33,540

you but you still think of everything

198

00:07:38,000 --> 00:07:36,390

what about the drink I had or so that

199

00:07:40,970 --> 00:07:38,010

was the standard theory up to a certain

200

00:07:44,330 --> 00:07:40,980

point like during the 40s 50s 60s that

201
00:07:46,010 --> 00:07:44,340
the mother had not been yet touchy carry

202
00:07:48,140 --> 00:07:46,020
enough absolutely they just it wasn't

203
00:07:49,040 --> 00:07:48,150
that bonding and and as such the child

204
00:07:50,420 --> 00:07:49,050
was living in a world on their own

205
00:07:51,710 --> 00:07:50,430
because they just simply weren't getting

206
00:07:54,770 --> 00:07:51,720
any love I mean it's almost laughable

207
00:07:56,390 --> 00:07:54,780
now but you know this was popular

208
00:07:59,150 --> 00:07:56,400
psychology around the issue at the time

209
00:08:00,440 --> 00:07:59,160
okay and and then what was thrown in

210
00:08:02,150 --> 00:08:00,450
your face is all about have been this

211
00:08:04,010 --> 00:08:02,160
you did this this happened this

212
00:08:05,450 --> 00:08:04,020
environmental thing happened I don't

213
00:08:07,640 --> 00:08:05,460

think anyone did it to me I think I did

214

00:08:09,080 --> 00:08:07,650

it to myself and I think parents do do

215

00:08:11,150 --> 00:08:09,090

it themselves even if you know it's

216

00:08:13,310 --> 00:08:11,160

silly you know I like to say I'm a

217

00:08:15,050 --> 00:08:13,320

sensible evidence-based you know clever

218

00:08:16,430 --> 00:08:15,060

woman with a tertiary education but

219

00:08:18,650 --> 00:08:16,440

guess what I did some pretty stupid

220

00:08:20,750 --> 00:08:18,660

things and and had some silly thoughts

221

00:08:22,280 --> 00:08:20,760

you know you're like off today today was

222

00:08:24,020 --> 00:08:22,290

it the glass of red wine i had the week

223

00:08:26,540 --> 00:08:24,030

before I found out I was pregnant was it

224

00:08:28,670 --> 00:08:26,550

you know I don't know something I did

225

00:08:30,230 --> 00:08:28,680

when I was at University you know

226

00:08:33,140 --> 00:08:30,240

there's a million things that you think

227

00:08:34,910 --> 00:08:33,150

what did I do to cause this when in

228

00:08:37,670 --> 00:08:34,920

actual fact you know it we didn't do

229

00:08:40,430 --> 00:08:37,680

anything and of course that goes on to

230

00:08:42,740 --> 00:08:40,440

the the crackpot scale there too so what

231

00:08:44,480 --> 00:08:42,750

have been some of the theories people

232

00:08:46,940 --> 00:08:44,490

who advanced you with very little or

233

00:08:49,820 --> 00:08:46,950

zero evidence oh there's so many it's

234

00:08:51,680 --> 00:08:49,830

wonderful and you know what I love now

235

00:08:53,870 --> 00:08:51,690

I've been in this industry for lack of a

236

00:08:55,610 --> 00:08:53,880

better word for 16 years I love the ones

237

00:08:57,830 --> 00:08:55,620

that were around 16 years ago and they

238

00:09:01,160 --> 00:08:57,840

come around again for a second a second

239

00:09:03,260 --> 00:09:01,170

wall at the second go look obviously

240

00:09:07,610 --> 00:09:03,270

there's there's really silly silly

241

00:09:10,910 --> 00:09:07,620

people who promote things like the

242

00:09:16,820 --> 00:09:10,920

toxins in the air the vaccination one is

243

00:09:19,600 --> 00:09:16,830

a huge one they tend to be those kind of

244

00:09:23,080 --> 00:09:19,610

more crackpot theories tend to come from

245

00:09:25,510 --> 00:09:23,090

people in the quote-unquote wellness

246

00:09:28,570 --> 00:09:25,520

organizations the idea around

247

00:09:30,950 --> 00:09:28,580

alternative medicine and clean living

248

00:09:33,710 --> 00:09:30,960

all of that kind of thing that the

249

00:09:35,570 --> 00:09:33,720

environment has somehow caused or a

250

00:09:36,690 --> 00:09:35,580

vaccination has somehow causes child's

251
00:09:38,610 --> 00:09:36,700
autism

252
00:09:39,900 --> 00:09:38,620
it is a possibility that it could be

253
00:09:41,490 --> 00:09:39,910
something like that but these people

254
00:09:43,650 --> 00:09:41,500
don't bring anything that could be even

255
00:09:45,870 --> 00:09:43,660
vaguely evidence today no there's not

256
00:09:47,760 --> 00:09:45,880
and we know fundamentally an

257
00:09:49,710 --> 00:09:47,770
environmental trigger might be there but

258
00:09:51,780 --> 00:09:49,720
the one thing we do know is that there

259
00:09:53,310 --> 00:09:51,790
there is definitely a genetic basis to

260
00:09:56,640 --> 00:09:53,320
this now that doesn't explain everything

261
00:09:58,740 --> 00:09:56,650
either but it does show us and point us

262
00:10:01,440 --> 00:09:58,750
into the direction that there has been a

263
00:10:05,280 --> 00:10:01,450

mutation that has occurred something has

264

00:10:07,440 --> 00:10:05,290

occurred during pregnancy that is

265

00:10:09,240 --> 00:10:07,450

ultimately going to end with a child

266

00:10:11,910 --> 00:10:09,250

being on the autism spectrum but here is

267

00:10:13,860 --> 00:10:11,920

the problem that I see is that we start

268

00:10:16,200 --> 00:10:13,870

noticing a child might be autistic

269

00:10:18,210 --> 00:10:16,210

around the age of 18 months which is

270

00:10:20,100 --> 00:10:18,220

also coincidentally the time that

271

00:10:23,100 --> 00:10:20,110

children have most of their vaccinations

272

00:10:26,030 --> 00:10:23,110

more commonly the MMR which is obviously

273

00:10:28,470 --> 00:10:26,040

where that the scandal arose so I have

274

00:10:30,660 --> 00:10:28,480

despite the fact the science has time

275

00:10:34,020 --> 00:10:30,670

and time again talked about the safety

276

00:10:36,180 --> 00:10:34,030

of vaccinations I still meet otherwise

277

00:10:37,950 --> 00:10:36,190

intelligent parents who will say to me

278

00:10:40,110 --> 00:10:37,960

Nicole there's nothing you can say I

279

00:10:42,480 --> 00:10:40,120

know vaccinations cause my child's

280

00:10:44,400 --> 00:10:42,490

autism because of a cause and effect

281

00:10:45,720 --> 00:10:44,410

they had vaccinations and within like a

282

00:10:47,040 --> 00:10:45,730

month or two they were noticed know it

283

00:10:49,190 --> 00:10:47,050

oh that must have been that yeah

284

00:10:52,260 --> 00:10:49,200

absolutely and and I think that also

285

00:10:54,300 --> 00:10:52,270

maybe plays into a little bit of the

286

00:10:55,830 --> 00:10:54,310

narrative here is you have to understand

287

00:10:59,430 --> 00:10:55,840

if your child is born with a disability

288

00:11:00,990 --> 00:10:59,440

you know that usually on day one or you

289

00:11:02,760 --> 00:11:01,000

might even not before they're born in

290

00:11:04,980 --> 00:11:02,770

the case of parents of children on the

291

00:11:08,010 --> 00:11:04,990

spectrum all was looking pretty good you

292

00:11:09,390 --> 00:11:08,020

know you can't see autism so little

293

00:11:11,910 --> 00:11:09,400

babies look like they've got five

294

00:11:13,860 --> 00:11:11,920

fingers and on each hand and ten toes

295

00:11:15,540 --> 00:11:13,870

and it was all looking healthy so all of

296

00:11:17,630 --> 00:11:15,550

a sudden to have what some people

297

00:11:20,820 --> 00:11:17,640

consider this catastrophic diagnosis at

298

00:11:24,090 --> 00:11:20,830

the toddler age tends to make parents

299

00:11:26,130 --> 00:11:24,100

put them in a heightened state a really

300

00:11:27,600 --> 00:11:26,140

heightened emotional state and how do

301
00:11:29,430 --> 00:11:27,610
you handle that because it's a very

302
00:11:30,930 --> 00:11:29,440
emotional argument and it's a very

303
00:11:32,910 --> 00:11:30,940
passionate argument that people feel

304
00:11:34,650 --> 00:11:32,920
about this how do you navigate that that

305
00:11:37,680 --> 00:11:34,660
that's that's a it's a faux pas

306
00:11:40,890 --> 00:11:37,690
minefield it really is and I think what

307
00:11:42,600 --> 00:11:40,900
we have chosen to do is there's no point

308
00:11:45,780 --> 00:11:42,610
arguing with a parent about it you know

309
00:11:50,100 --> 00:11:45,790
the reason a parent feels that way tends

310
00:11:52,829 --> 00:11:50,110
to be a belief it's not obviously

311
00:11:54,240 --> 00:11:52,839
a scientific one it's a belief that they

312
00:11:56,220 --> 00:11:54,250
feel that this is what's occurred I

313
00:11:58,590 --> 00:11:56,230

personally don't see any point in having

314

00:11:59,790 --> 00:11:58,600

that argument I think the most important

315

00:12:01,650 --> 00:11:59,800

work that we can do at autism awareness

316

00:12:04,710 --> 00:12:01,660

Australia is to put forward

317

00:12:06,480 --> 00:12:04,720

evidence-based credible information so

318

00:12:08,130 --> 00:12:06,490

that at least we're pointing parents in

319

00:12:09,870 --> 00:12:08,140

the direction of the of captain sensible

320

00:12:11,790 --> 00:12:09,880

and there's always going to be people

321

00:12:14,280 --> 00:12:11,800

for emotional reasons who just can't go

322

00:12:16,470 --> 00:12:14,290

there but I think the more education we

323

00:12:18,269 --> 00:12:16,480

do of the entire community I was

324

00:12:19,680 --> 00:12:18,279

recently saw a study that alarmed the

325

00:12:21,600 --> 00:12:19,690

hell out of me I think came out of

326

00:12:23,220 --> 00:12:21,610

Canada that said something like twenty

327

00:12:26,639 --> 00:12:23,230

percent of young people between the ages

328

00:12:28,860 --> 00:12:26,649

of 18 and 24 believed that vaccinations

329

00:12:30,030 --> 00:12:28,870

caused autism my thought at the time was

330

00:12:31,170 --> 00:12:30,040

before I couldn't us all these people

331

00:12:33,449 --> 00:12:31,180

going to be parents in the next ten

332

00:12:34,769 --> 00:12:33,459

years you know we've got work to do and

333

00:12:36,000 --> 00:12:34,779

it's not just within the autism

334

00:12:39,170 --> 00:12:36,010

community it's within the wider

335

00:12:41,699 --> 00:12:39,180

community to make sure people you know

336

00:12:44,610 --> 00:12:41,709

almost break the link between what is

337

00:12:46,110 --> 00:12:44,620

seen as vaccinations and autism what's

338

00:12:48,900 --> 00:12:46,120

interesting for me and my day-to-day

339

00:12:51,210 --> 00:12:48,910

work in the clinic is it's a private

340

00:12:54,060 --> 00:12:51,220

clinic where a predominantly a large

341

00:12:57,360 --> 00:12:54,070

portion of our families are again

342

00:12:59,910 --> 00:12:57,370

tertiary educated it otherwise you know

343

00:13:00,960 --> 00:12:59,920

bright people the amount of children

344

00:13:02,639 --> 00:13:00,970

that we have here in the clinic who

345

00:13:05,130 --> 00:13:02,649

haven't been vaccinated is almost

346

00:13:06,540 --> 00:13:05,140

ironical because they fit into the

347

00:13:08,250 --> 00:13:06,550

category of parents who chose not to

348

00:13:10,680 --> 00:13:08,260

vaccinate but guess what your child

349

00:13:13,050 --> 00:13:10,690

still has autism what do you say to

350

00:13:16,170 --> 00:13:13,060

people that claim to have it cured the

351

00:13:19,680 --> 00:13:16,180

autism well it's obviously a nonsense

352

00:13:21,750 --> 00:13:19,690

but but herein lies the problem is it

353

00:13:23,670 --> 00:13:21,760

autism and disability largely in

354

00:13:26,250 --> 00:13:23,680

Australia is an incredibly unregulated

355

00:13:28,980 --> 00:13:26,260

area frightening Lee so I do hope that

356

00:13:31,170 --> 00:13:28,990

changes when the NDIS comes so obviously

357

00:13:33,120 --> 00:13:31,180

there are they're charlatans of all

358

00:13:35,250 --> 00:13:33,130

types and sometimes there will many

359

00:13:38,639 --> 00:13:35,260

charlatans which is even worse so

360

00:13:39,870 --> 00:13:38,649

everything silly from homeopathy right

361

00:13:42,350 --> 00:13:39,880

through to just downright dangerous

362

00:13:45,569 --> 00:13:42,360

which is things like collation

363

00:13:47,610 --> 00:13:45,579

hyperbaric chambers you know I'd love to

364

00:13:49,889 --> 00:13:47,620

really arrogantly stand here and say I

365

00:13:52,110 --> 00:13:49,899

have never you know been tempted by

366

00:13:54,210 --> 00:13:52,120

those kinds of things I absolutely have

367

00:13:56,040 --> 00:13:54,220

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

368

00:13:58,380 --> 00:13:56,050

because parents are very vulnerable and

369

00:13:59,519 --> 00:13:58,390

you read a website that says a classic

370

00:14:01,949 --> 00:13:59,529

one for me it was something called

371

00:14:02,970 --> 00:14:01,959

auditory integration training it's so

372

00:14:03,780 --> 00:14:02,980

silly when I tell you you're going to

373

00:14:06,990 --> 00:14:03,790

laugh but

374

00:14:09,480 --> 00:14:07,000

involves Jack going to a room for half

375

00:14:11,820 --> 00:14:09,490

an hour every day and listening to music

376

00:14:15,390 --> 00:14:11,830

at a certain frequency how did I

377

00:14:17,670 --> 00:14:15,400

actually think this was going to in any

378

00:14:20,040 --> 00:14:17,680

way shape or form help some of the

379

00:14:21,840 --> 00:14:20,050

aspects that he was fine and difficult

380

00:14:24,480 --> 00:14:21,850

at the time namely communication and

381

00:14:26,670 --> 00:14:24,490

behavior so it costs four thousand

382

00:14:28,470 --> 00:14:26,680

dollars half an hour of this music

383

00:14:29,550 --> 00:14:28,480

ironically enough I found that one day

384

00:14:30,750 --> 00:14:29,560

he was listening to elton john and i

385

00:14:34,080 --> 00:14:30,760

thought that might make the condition

386

00:14:35,520 --> 00:14:34,090

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

387

00:14:38,430 --> 00:14:35,530

website that it doesn't work if you do

388

00:14:40,020 --> 00:14:38,440

it once you have to do it twice so who

389

00:14:42,960 --> 00:14:40,030

spends eight thousand dollars on a silly

390

00:14:44,700 --> 00:14:42,970

therapy you know and I guess I look back

391

00:14:46,830 --> 00:14:44,710

at it now and say I was just desperate

392

00:14:48,570 --> 00:14:46,840

and I didn't care what was

393

00:14:50,550 --> 00:14:48,580

scientifically evidence based on what

394

00:14:51,840 --> 00:14:50,560

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

395

00:14:54,510 --> 00:14:51,850

right and wrong I just want you to fix

396

00:14:57,690 --> 00:14:54,520

my kid I want my kid to get more support

397

00:15:00,450 --> 00:14:57,700

and so now as an old woman I can look

398

00:15:03,390 --> 00:15:00,460

back and say to parents you know come on

399

00:15:06,630 --> 00:15:03,400

guys be sensible be savvy consumers you

400

00:15:09,150 --> 00:15:06,640

know things that are on websites i saw

401
00:15:13,020 --> 00:15:09,160
one recently pediatrician formulated it

402
00:15:14,400 --> 00:15:13,030
says and their tablets that 4995 and the

403
00:15:18,330 --> 00:15:14,410
child takes the tablets and then

404
00:15:20,760 --> 00:15:18,340
magically their brain resets itself and

405
00:15:22,740 --> 00:15:20,770
the child can talk just things like that

406
00:15:24,450 --> 00:15:22,750
but it's just really sad that you can

407
00:15:27,780 --> 00:15:24,460
see vulnerable parents clicking on that

408
00:15:29,760 --> 00:15:27,790
and buying the 4995 tablets that will

409
00:15:30,990 --> 00:15:29,770
make this better so I've got listeners

410
00:15:32,760 --> 00:15:31,000
out there that wouldn't mind doing that

411
00:15:35,030 --> 00:15:32,770
have the activism in this area or what

412
00:15:38,090 --> 00:15:35,040
can I do about it to help changes oh

413
00:15:39,930 --> 00:15:38,100

goodness me come on down pick up a pen

414

00:15:41,940 --> 00:15:39,940

what look I think it's just really

415

00:15:43,740 --> 00:15:41,950

important to make sure we all share and

416

00:15:46,860 --> 00:15:43,750

disseminate really good quality

417

00:15:48,750 --> 00:15:46,870

information and it no time in history

418

00:15:50,790 --> 00:15:48,760

can I remember it being as easy as it is

419

00:15:53,370 --> 00:15:50,800

now with things like Facebook and

420

00:15:56,130 --> 00:15:53,380

Twitter you know share amongst your

421

00:15:58,410 --> 00:15:56,140

social networks the really good quality

422

00:16:00,390 --> 00:15:58,420

information so that parents everywhere

423

00:16:03,570 --> 00:16:00,400

no matter at what stage there are are

424

00:16:05,520 --> 00:16:03,580

being you know shown what is sensible

425

00:16:07,320 --> 00:16:05,530

science and what the good sensible

426

00:16:09,870 --> 00:16:07,330

people are saying and doing because

427

00:16:11,400 --> 00:16:09,880

otherwise you've got to fight back to

428

00:16:14,340 --> 00:16:11,410

the crazies and the problem is the

429

00:16:15,990 --> 00:16:14,350

biggest crazies in this area have tended

430

00:16:18,180 --> 00:16:16,000

to come out of hollywood

431

00:16:20,190 --> 00:16:18,190

just this week we've had Jim Carrey far

432

00:16:22,230 --> 00:16:20,200

enough about the mirasol yeah look Jim

433

00:16:25,590 --> 00:16:22,240

carrion and Jenny McCarthy have just

434

00:16:28,290 --> 00:16:25,600

been absolutely complicit in in making

435

00:16:30,000 --> 00:16:28,300

our jobs so much harder I mean you know

436

00:16:31,080 --> 00:16:30,010

I don't mind people obviously coming out

437

00:16:34,110 --> 00:16:31,090

and talking about their personal

438

00:16:37,320 --> 00:16:34,120

experience with their child with autism

439

00:16:40,380 --> 00:16:37,330

of done that myself but to actively be

440

00:16:42,120 --> 00:16:40,390

peddling pseudoscience and and muddying

441

00:16:44,100 --> 00:16:42,130

the waters they they've absolutely

442

00:16:46,380 --> 00:16:44,110

guilty of doing that and it's really

443

00:16:48,240 --> 00:16:46,390

unhelpful but guess what Jenny McCarthy

444

00:16:51,030 --> 00:16:48,250

and Jim Carrey tend to get an hour on

445

00:16:54,120 --> 00:16:51,040

CNN they get an hour on Oprah they they

446

00:16:55,770 --> 00:16:54,130

own the space so it's really hard to

447

00:16:57,990 --> 00:16:55,780

fight back against that because by the

448

00:17:01,080 --> 00:16:58,000

way our message isn't as sexy our

449

00:17:02,340 --> 00:17:01,090

message is Wow vaccinations are sensible

450

00:17:04,290 --> 00:17:02,350

and we don't know what caused your

451

00:17:06,210 --> 00:17:04,300

child's autism you know it's not going

452

00:17:09,090 --> 00:17:06,220

to sell a lot of books you know where is

453

00:17:10,800 --> 00:17:09,100

the immediate go to conspiracy big

454

00:17:13,890 --> 00:17:10,810

farmer you know all of that kind of

455

00:17:16,050 --> 00:17:13,900

stuff is so much more of a sexy sell so

456

00:17:18,360 --> 00:17:16,060

yeah that's what sensible bright people

457

00:17:20,189 --> 00:17:18,370

have to do is make sure that you call

458

00:17:22,470 --> 00:17:20,199

out nonsense whenever you see it and you

459

00:17:24,630 --> 00:17:22,480

share good quality information whenever

460

00:17:25,770 --> 00:17:24,640

you can get it and I've been look at you

461

00:17:27,449 --> 00:17:25,780

are sharing some good quality

462

00:17:29,220 --> 00:17:27,459

information on Facebook here and you've

463

00:17:30,570 --> 00:17:29,230

got some surprising results I won't name

464

00:17:32,430 --> 00:17:30,580

names there but people are saying you

465

00:17:33,780 --> 00:17:32,440

are supporting oppression in the US and

466

00:17:35,490 --> 00:17:33,790

that sort of thing it and then people

467

00:17:38,490 --> 00:17:35,500

are questioning that you getting some

468

00:17:41,310 --> 00:17:38,500

money from Big Pharma which is the cases

469

00:17:44,430 --> 00:17:41,320

are you are you sure the Big Pharma yeah

470

00:17:45,840 --> 00:17:44,440

totally and I I'd love their money no

471

00:17:48,990 --> 00:17:45,850

they don't know we don't get funding

472

00:17:53,250 --> 00:17:49,000

from anybody not even a pen or a pad not

473

00:17:54,680 --> 00:17:53,260

even a pen or a pad sad sad no

474

00:17:58,080 --> 00:17:54,690

apparently we're not worthy of bribing

475

00:17:59,670 --> 00:17:58,090

look the reality is we're a completely

476

00:18:02,100 --> 00:17:59,680

independent organization I could give

477

00:18:05,760 --> 00:18:02,110

two hoots to be honest who thinks

478

00:18:07,710 --> 00:18:05,770

otherwise where the number one thing our

479

00:18:09,420 --> 00:18:07,720

organization wants to do is make sure we

480

00:18:11,130 --> 00:18:09,430

disseminate to our very large group

481

00:18:13,110 --> 00:18:11,140

online really good quality information

482

00:18:15,180 --> 00:18:13,120

every time you put something up that's

483

00:18:17,160 --> 00:18:15,190

captain sensible there will be someone

484

00:18:18,870 --> 00:18:17,170

on the fringe that will say oh that's

485

00:18:21,150 --> 00:18:18,880

absolute nonsense and I just say don't

486

00:18:23,070 --> 00:18:21,160

follow organizations like us if we're

487

00:18:25,110 --> 00:18:23,080

not helping you if this message isn't

488

00:18:26,550 --> 00:18:25,120

for you and go and join the crazy

489

00:18:28,330 --> 00:18:26,560

persons Facebook page it's absolutely

490

00:18:30,610 --> 00:18:28,340

fine there's plenty of them and

491

00:18:32,620 --> 00:18:30,620

don't follow a house but and I guess we

492

00:18:35,470 --> 00:18:32,630

we've got some lines and some rules

493

00:18:37,210 --> 00:18:35,480

around our our social media which is we

494

00:18:38,919 --> 00:18:37,220

don't mind you can you can send us a

495

00:18:40,840 --> 00:18:38,929

mean message saying that we're funded by

496

00:18:42,580 --> 00:18:40,850

big farmer and that's cool I can live

497

00:18:46,390 --> 00:18:42,590

with that we're grownups we don't engage

498

00:18:47,560 --> 00:18:46,400

in silly nonsense we just we tend to let

499

00:18:48,850 --> 00:18:47,570

the audience fight it out amongst

500

00:18:51,880 --> 00:18:48,860

themselves and we've got far more

501
00:18:54,610 --> 00:18:51,890
sensible supporters than silly ones best

502
00:18:58,180 --> 00:18:54,620
movie involving someone on the autism

503
00:18:59,680 --> 00:18:58,190
spectrum what a question yeah um well

504
00:19:01,269 --> 00:18:59,690
you're not allowed to say Rain Man my

505
00:19:02,950 --> 00:19:01,279
god I was it's very important that

506
00:19:05,710 --> 00:19:02,960
everybody knows Rain Man is you know

507
00:19:07,149 --> 00:19:05,720
just a depiction of autism that is it

508
00:19:09,010 --> 00:19:07,159
does not depict autism in the vast

509
00:19:10,750 --> 00:19:09,020
majority of people who have it I'm not

510
00:19:13,210 --> 00:19:10,760
just wanting it is there any any movie

511
00:19:15,580 --> 00:19:13,220
that even comes close to any reality if

512
00:19:16,840 --> 00:19:15,590
that's even possible I don't know if

513
00:19:18,760 --> 00:19:16,850

it's possible I want to say some of the

514

00:19:20,590 --> 00:19:18,770

best work done which was not a movie but

515

00:19:21,909 --> 00:19:20,600

their work done by Louie throw did a

516

00:19:23,380 --> 00:19:21,919

great piece on autism and that i can

517

00:19:26,680 --> 00:19:23,390

recommend people having a look at

518

00:19:28,539 --> 00:19:26,690

because it just shows the wonderful you

519

00:19:30,370 --> 00:19:28,549

know spectrum that is autism spectrum

520

00:19:33,639 --> 00:19:30,380

disorder it's it's very hard to talk

521

00:19:35,680 --> 00:19:33,649

about and because it's it's so wide and

522

00:19:37,899 --> 00:19:35,690

if people want to get involved or visit

523

00:19:40,299 --> 00:19:37,909

or join what you're doing what's the

524

00:19:42,850 --> 00:19:40,309

best website to go to look it really is

525

00:19:44,980 --> 00:19:42,860

better to join us online come and see

526
00:19:46,870 --> 00:19:44,990
our autism awareness facebook page and

527
00:19:48,460 --> 00:19:46,880
join the group it's it's fascinating i'm

528
00:19:50,860 --> 00:19:48,470
doing a little bit of data analysis

529
00:19:53,350 --> 00:19:50,870
myself on the popularity of things that

530
00:19:55,990 --> 00:19:53,360
we post and i like posting information

531
00:19:57,760 --> 00:19:56,000
about either good quality research or

532
00:20:00,159 --> 00:19:57,770
providing parents information about the

533
00:20:02,320 --> 00:20:00,169
ndas coming but it still happens to be

534
00:20:04,419 --> 00:20:02,330
the fluffy dog story that comes from the

535
00:20:08,860 --> 00:20:04,429
mighty website that gets the most hits

536
00:20:11,019 --> 00:20:08,870
so we've got a temper our everyone be

537
00:20:13,570 --> 00:20:11,029
sensible message with also some just

538
00:20:15,760 --> 00:20:13,580

good human stories that make people feel

539

00:20:18,340 --> 00:20:15,770

connected to the community and connected

540

00:20:21,220 --> 00:20:18,350

as parents and i can say the one benefit

541

00:20:22,659 --> 00:20:21,230

for autism for me in you know it's

542

00:20:25,180 --> 00:20:22,669

obviously joining a mother's group you

543

00:20:26,919 --> 00:20:25,190

didn't intend in joining but i can say

544

00:20:28,870 --> 00:20:26,929

the one benefit that's given to me over

545

00:20:31,389 --> 00:20:28,880

the years is the great camaraderie that

546

00:20:33,700 --> 00:20:31,399

exists between parents of children on

547

00:20:34,899 --> 00:20:33,710

the spectrum in the you know too cheesy

548

00:20:37,240 --> 00:20:34,909

but in though we're all in this together

549

00:20:39,310 --> 00:20:37,250

kind of category there's been some

550

00:20:40,130 --> 00:20:39,320

pretty nice human moments over those 15

551
00:20:42,860 --> 00:20:40,140
years so I'm not

552
00:20:44,180 --> 00:20:42,870
I'm not regretting any of it and being a

553
00:20:46,730 --> 00:20:44,190
political junkie what are you going to

554
00:20:49,760 --> 00:20:46,740
call it Trump versus Clinton in the US

555
00:20:51,950 --> 00:20:49,770
election look I just want Trump for

556
00:20:54,230 --> 00:20:51,960
comedic reasons and I think everybody

557
00:20:57,140 --> 00:20:54,240
does i mean i want michelle bachman back

558
00:20:59,090 --> 00:20:57,150
i want Ted Cruz to keep going I mean

559
00:21:01,970 --> 00:20:59,100
this is just you know it's it's fueling

560
00:21:03,620 --> 00:21:01,980
Saturday Night Live and giving my kids

561
00:21:06,050 --> 00:21:03,630
and I a fantastic amount of

562
00:21:09,470 --> 00:21:06,060
entertainment so I'm just hoping nobody

563
00:21:10,640 --> 00:21:09,480

sensible enters the race and the website

564

00:21:12,470 --> 00:21:10,650

once again which is different from the

565

00:21:14,930 --> 00:21:12,480

center you here at new you this day a

566

00:21:16,100 --> 00:21:14,940

charity is a a non-profit being a

567

00:21:19,010 --> 00:21:16,110

non-for-profit is called autism

568

00:21:20,960 --> 00:21:19,020

awareness calm today you and or autism

569

00:21:23,360 --> 00:21:20,970

awareness Australia on facebook and

570

00:21:24,950 --> 00:21:23,370

twitter and and join us in and by all

571

00:21:26,660 --> 00:21:24,960

means this is what we also love is

572

00:21:28,220 --> 00:21:26,670

people sharing really good quality

573

00:21:30,290 --> 00:21:28,230

information if you come across something

574

00:21:32,120 --> 00:21:30,300

that's good and smart and you can get

575

00:21:33,470 --> 00:21:32,130

exposure evidence-based and you think it

576
00:21:52,900 --> 00:21:33,480
needs an audience give it to us because

577
00:21:59,240 --> 00:21:56,840
save discovery help save bindi goes

578
00:22:01,970 --> 00:21:59,250
beloved discovery center so they can

579
00:22:04,130 --> 00:22:01,980
continue providing inspiration hands-on

580
00:22:06,740 --> 00:22:04,140
science learning experiences that are

581
00:22:08,900 --> 00:22:06,750
fun for everyone for 20 years discovery

582
00:22:10,790 --> 00:22:08,910
has been providing fun hands-on science

583
00:22:13,070 --> 00:22:10,800
experiences for students teachers

584
00:22:14,810 --> 00:22:13,080
visitors the community of Bendigo and

585
00:22:17,000 --> 00:22:14,820
beyond whether it's learning about

586
00:22:19,130 --> 00:22:17,010
gravity and the body's fear response by

587
00:22:21,350 --> 00:22:19,140
plummeting down the vertical slide or

588
00:22:23,720 --> 00:22:21,360

flying through the solar system in a

589

00:22:26,360 --> 00:22:23,730

planetarium a visit to discovery

590

00:22:28,700 --> 00:22:26,370

involves unforgettable experiences that

591

00:22:31,160 --> 00:22:28,710

open up a world of wonder for visitors

592

00:22:33,170 --> 00:22:31,170

of all ages they know how important it

593

00:22:35,620 --> 00:22:33,180

is to engage young people in learning

594

00:22:38,300 --> 00:22:35,630

from preschool to year 12 and beyond

595

00:22:40,670 --> 00:22:38,310

that's what they do it Discovery they

596

00:22:42,980 --> 00:22:40,680

run specialized groups like curious kids

597

00:22:44,600 --> 00:22:42,990

where preschool children learn about the

598

00:22:46,400 --> 00:22:44,610

science behind their favorite story

599

00:22:48,920 --> 00:22:46,410

books they run curriculum-based

600

00:22:51,260 --> 00:22:48,930

workshops for schools in their specially

601
00:22:53,300 --> 00:22:51,270
designed lab and special events like

602
00:22:54,800 --> 00:22:53,310
adults evenings where you can learn

603
00:22:57,320 --> 00:22:54,810
about the science of chocolate while

604
00:22:58,970 --> 00:22:57,330
nibbling on canapes and sipping on a

605
00:23:00,560 --> 00:22:58,980
glass of wine they are now trying to

606
00:23:03,710 --> 00:23:00,570
raise thirty thousand dollars by the

607
00:23:05,720 --> 00:23:03,720
31st of July so they can keep their

608
00:23:08,060 --> 00:23:05,730
doors open why they get back on their

609
00:23:10,220 --> 00:23:08,070
feet unfortunately discovery is in

610
00:23:11,990 --> 00:23:10,230
crisis at the moment they are facing an

611
00:23:14,480 --> 00:23:12,000
uncertain future due to lack of

612
00:23:16,400 --> 00:23:14,490
operational funding like every other

613
00:23:18,410 --> 00:23:16,410

science center and museum and art

614

00:23:20,750 --> 00:23:18,420

gallery in the world they don't make

615

00:23:23,870 --> 00:23:20,760

enough money through admissions to fund

616

00:23:27,590 --> 00:23:23,880

their everyday operations so folks what

617

00:23:29,090 --> 00:23:27,600

can I say if you like to support science

618

00:23:30,770 --> 00:23:29,100

and by listening to the skeptic zone I

619

00:23:32,720 --> 00:23:30,780

know you like to do that especially

620

00:23:34,460 --> 00:23:32,730

science outreach to the younger

621

00:23:39,950 --> 00:23:34,470

generations and that's a very important

622

00:23:44,240 --> 00:23:39,960

interest of mine why not visit WWF org

623

00:23:46,130 --> 00:23:44,250

slash project / save hyphen discovery I

624

00:23:49,130 --> 00:23:46,140

shall put a link to that in the show

625

00:23:51,410 --> 00:23:49,140

notes or just google Discovery Science

626
00:23:54,280 --> 00:23:51,420
and Technology Center or save discovery

627
00:23:57,289 --> 00:23:54,290
but don't listen to me don't believe me

628
00:24:01,489 --> 00:23:57,299
here's the a direct plea from discover

629
00:24:04,850 --> 00:24:01,499
themselves discovery is the best place

630
00:24:07,129 --> 00:24:04,860
in the world hi I'm Kate I'm the manager

631
00:24:09,169 --> 00:24:07,139
here at the Discovery Center discovery

632
00:24:10,940 --> 00:24:09,179
is in crisis at the moment but we've

633
00:24:13,940 --> 00:24:10,950
been overwhelmed by the incredible

634
00:24:16,460 --> 00:24:13,950
support from bendigo and beyond to save

635
00:24:19,129 --> 00:24:16,470
this invaluable community asset my

636
00:24:22,970 --> 00:24:19,139
favorite thing at Discovery Center is

637
00:24:25,279 --> 00:24:22,980
the planetarium I'm Tony I'm a father of

638
00:24:27,680 --> 00:24:25,289

two daughters and we love the Discovery

639

00:24:29,749 --> 00:24:27,690

Center retains on experimental learning

640

00:24:33,139 --> 00:24:29,759

and the way that it can make science fun

641

00:24:35,119 --> 00:24:33,149

for all kids we know how important it is

642

00:24:37,940 --> 00:24:35,129

to engage kids with science from

643

00:24:40,549 --> 00:24:37,950

preschool to year 12 and beyond that's

644

00:24:42,409 --> 00:24:40,559

what we do here at Discovery there's

645

00:24:45,859 --> 00:24:42,419

heaps of stuff you can play them really

646

00:24:48,680 --> 00:24:45,869

fun you've learned that gravity on the

647

00:24:51,259 --> 00:24:48,690

vertical side oh I'm bit sketchy over

648

00:24:53,960 --> 00:24:51,269

there can fly through space in the

649

00:24:56,180 --> 00:24:53,970

planetarium we support teachers to

650

00:24:59,419 --> 00:24:56,190

provide engaging curriculum based

651
00:25:01,460 --> 00:24:59,429
activities and experiences we support

652
00:25:03,769 --> 00:25:01,470
parents to encourage their children's

653
00:25:06,109 --> 00:25:03,779
learning and we provide a great space

654
00:25:09,259 --> 00:25:06,119
for people of all ages to have fun with

655
00:25:11,980 --> 00:25:09,269
science one of my favorite things is the

656
00:25:14,560 --> 00:25:11,990
Seaway pull yourself up with road

657
00:25:18,610 --> 00:25:14,570
my favorite thing in surrounding rage

658
00:25:20,110 --> 00:25:18,620
the vertical slide is heaps of fun we're

659
00:25:22,840 --> 00:25:20,120
getting together a new management team

660
00:25:26,230 --> 00:25:22,850
with great skills in education business

661
00:25:28,720 --> 00:25:26,240
finance and marketing we already had key

662
00:25:30,549 --> 00:25:28,730
stakeholder support we've got heaps of

663
00:25:33,100 --> 00:25:30,559

great ideas about what we're going to do

664

00:25:35,110 --> 00:25:33,110

with discovery moving into the future we

665

00:25:37,450 --> 00:25:35,120

just need community and business backing

666

00:25:40,270 --> 00:25:37,460

to get us over the line for the next six

667

00:25:42,970 --> 00:25:40,280

months with your support we can ensure

668

00:25:45,790 --> 00:25:42,980

that the Discovery Center survives and

669

00:25:48,250 --> 00:25:45,800

thrives into the future engaging kids

670

00:25:51,280 --> 00:25:48,260

all across Victoria and further afield

671

00:25:55,210 --> 00:25:51,290

than that I really want discovery to

672

00:25:56,860 --> 00:25:55,220

stay open we're rebooting discovery come

673

00:25:59,770 --> 00:25:56,870

on this exciting journey with us and

674

00:26:02,280 --> 00:25:59,780

thank you so much for your support we

675

00:26:08,590 --> 00:26:02,290

need your help to save discovery

676
00:26:10,870 --> 00:26:08,600
discovery the best place in the world so

677
00:26:13,090 --> 00:26:10,880
there you are folks why not help this

678
00:26:25,110 --> 00:26:13,100
worthwhile project in Bendigo and

679
00:26:34,289 --> 00:26:25,120
Victoria and help save discovery on

680
00:26:38,200 --> 00:26:36,879
you know everybody may know it wasn't

681
00:26:40,120 --> 00:26:38,210
because AI was playing anything good

682
00:26:42,370 --> 00:26:40,130
that sort of self-deprecation and

683
00:26:43,659 --> 00:26:42,380
humility is why everybody likes hanging

684
00:26:45,039 --> 00:26:43,669
around you do you think I should take

685
00:26:47,529 --> 00:26:45,049
that attitude that people should be

686
00:26:50,230 --> 00:26:47,539
consider it lucky that I'm here exactly

687
00:26:52,360 --> 00:26:50,240
i do how do you do that you have that

688
00:26:55,149 --> 00:26:52,370

you're lucky that I'm here hello

689

00:26:58,240 --> 00:26:55,159

everyone well because they are and we

690

00:27:00,999 --> 00:26:58,250

touched Morrissey's actual slave you

691

00:27:03,129 --> 00:27:01,009

touched Morrissey's leave how that smell

692

00:27:04,690 --> 00:27:03,139

it didn't actually smell as sweaty as I

693

00:27:06,070 --> 00:27:04,700

thought but then again it was his sleeve

694

00:27:21,480 --> 00:27:06,080

and it had been waived around for a

695

00:27:26,169 --> 00:27:24,190

welcome to weaken science from our oz

696

00:27:28,990 --> 00:27:26,179

bringing you the science you need to

697

00:27:31,419 --> 00:27:29,000

know bungee jumping tall buildings or

698

00:27:38,860 --> 00:27:31,429

crossing bridges why some people afraid

699

00:27:40,389 --> 00:27:38,870

of heights and ours aren't a fear of

700

00:27:42,519 --> 00:27:40,399

heights could actually be a good thing

701
00:27:44,919 --> 00:27:42,529
it's a sign we've adapted to the world

702
00:27:46,600 --> 00:27:44,929
around us a novel fear of heights is

703
00:27:48,369 --> 00:27:46,610
considered to be an evolutionary

704
00:27:51,039 --> 00:27:48,379
advantage to keep us safe from a

705
00:27:52,480 --> 00:27:51,049
dangerous fall from a height infants and

706
00:27:54,789 --> 00:27:52,490
young children are naturally cautious

707
00:27:56,769 --> 00:27:54,799
around Heights suggesting it's an

708
00:27:59,230 --> 00:27:56,779
inbuilt mechanism that we are born with

709
00:28:01,419 --> 00:27:59,240
now this is the normal uneasiness around

710
00:28:03,399 --> 00:28:01,429
Heights that most people feel not the

711
00:28:06,220 --> 00:28:03,409
phobia that some people experience a

712
00:28:08,259 --> 00:28:06,230
phobia of heights called acrophobia is

713
00:28:10,509 --> 00:28:08,269

far more serious it could be an

714

00:28:13,090 --> 00:28:10,519

unconsciously learned response due to a

715

00:28:15,789 --> 00:28:13,100

traumatic experience such as a fall or

716

00:28:17,830 --> 00:28:15,799

even learned off a parent is essentially

717

00:28:20,289 --> 00:28:17,840

an extreme protective mechanism

718

00:28:22,269 --> 00:28:20,299

acrophobia is not the same as vertigo

719

00:28:24,639 --> 00:28:22,279

which is caused by the eyes trying to

720

00:28:26,889 --> 00:28:24,649

focus on object a long distance away

721

00:28:29,379 --> 00:28:26,899

this causes the head to sway

722

00:28:32,499 --> 00:28:29,389

imperceptibly which the body then joins

723

00:28:34,810 --> 00:28:32,509

in on creating a whole body wobble if a

724

00:28:38,279 --> 00:28:34,820

person's sense of balance is affected it

725

00:28:43,240 --> 00:28:40,779

incredibly people who are afraid of

726
00:28:45,610 --> 00:28:43,250
heights actually see vertical distances

727
00:28:48,220 --> 00:28:45,620
as being greater than people who aren't

728
00:28:51,220 --> 00:28:48,230
yep they actually see the distance down

729
00:28:52,870 --> 00:28:51,230
being larger than it is volunteers with

730
00:28:54,549 --> 00:28:52,880
the fear of heights were asked to

731
00:28:56,980 --> 00:28:54,559
estimate the building's height when they

732
00:28:59,560 --> 00:28:56,990
stood at the top or the bottom of a 14

733
00:29:01,870 --> 00:28:59,570
meter tall building they overestimated

734
00:29:03,370 --> 00:29:01,880
its height in both locations but when

735
00:29:05,529 --> 00:29:03,380
they are at the top they thought it was

736
00:29:08,080 --> 00:29:05,539
much higher up than it really was and

737
00:29:10,870 --> 00:29:08,090
the bigger the fear the grace of the

738
00:29:12,730 --> 00:29:10,880

error another study however showed that

739

00:29:15,070 --> 00:29:12,740

they think it's higher because they're

740

00:29:16,930 --> 00:29:15,080

afraid not that they're afraid because

741

00:29:19,180 --> 00:29:16,940

they think it's higher but if you're

742

00:29:23,200 --> 00:29:19,190

afraid of heights here's four fast facts

743

00:29:25,029 --> 00:29:23,210

to help you conquer your phobia the

744

00:29:27,370 --> 00:29:25,039

normal uneasiness around Heights that

745

00:29:29,680 --> 00:29:27,380

most people have can be overcome and

746

00:29:32,110 --> 00:29:29,690

trained out by exposing themselves to

747

00:29:34,269 --> 00:29:32,120

high places more often virtual reality

748

00:29:36,549 --> 00:29:34,279

is increasingly being used to help

749

00:29:38,889 --> 00:29:36,559

people overcome their phobia in a safe

750

00:29:40,990 --> 00:29:38,899

controlled environment the steroid

751
00:29:43,269 --> 00:29:41,000
hormone causes all has been found to

752
00:29:46,360 --> 00:29:43,279
increase the effectiveness of behavioral

753
00:29:48,190 --> 00:29:46,370
therapy in reducing acrophobia and to

754
00:29:50,259 --> 00:29:48,200
help your acrophobia you might want to

755
00:29:52,120 --> 00:29:50,269
stop drinking coffee individual case

756
00:29:54,159 --> 00:29:52,130
studies have shown that it can help some

757
00:29:56,529 --> 00:29:54,169
people that's it for this week in

758
00:29:59,639 --> 00:29:56,539
science for more information on a fear

759
00:30:03,460 --> 00:29:59,649
of heights goes the Arias websites are I

760
00:30:06,820 --> 00:30:03,470
aus org dot a you follow us on twitter

761
00:30:22,129 --> 00:30:06,830
at ra oz and like us on facebook i'm ben

762
00:30:28,109 --> 00:30:24,989
the skeptic magazine the journal from

763
00:30:30,329 --> 00:30:28,119

Australian skeptics subscribe online to

764

00:30:35,639 --> 00:30:30,339

the world's second oldest skeptical

765

00:30:38,399 --> 00:30:35,649

magazine visit w WC e ma you and click

766

00:30:42,389 --> 00:30:38,409

the publication's league you can also

767

00:30:45,690 --> 00:30:42,399

find their over 30 years on back issues

768

00:31:05,060 --> 00:30:45,700

free to download the skeptic magazine

769

00:31:10,770 --> 00:31:07,860

and joining me now all the way from

770

00:31:13,470 --> 00:31:10,780

sunny Melbourne sunny Melbourne well

771

00:31:16,560 --> 00:31:13,480

it's it can be sunny in Melbourne it's

772

00:31:18,539 --> 00:31:16,570

Jack Scanlon hello jack hi Richard great

773

00:31:20,669 --> 00:31:18,549

to be on the show thank you jack and

774

00:31:22,410 --> 00:31:20,679

you're no stranger to podcasting

775

00:31:25,560 --> 00:31:22,420

yourself of course now you have been

776

00:31:27,840 --> 00:31:25,570

doing podcasts for a little while now

777

00:31:30,840 --> 00:31:27,850

I've got the pseudo-scientists podcasts

778

00:31:32,250 --> 00:31:30,850

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

779

00:31:34,680 --> 00:31:32,260

a lot of chance to do that recently

780

00:31:38,460 --> 00:31:34,690

actually so it's good to be back on one

781

00:31:41,760 --> 00:31:38,470

even though it's not my own back on the

782

00:31:43,500 --> 00:31:41,770

internet back back to the podcasting

783

00:31:45,360 --> 00:31:43,510

airwave so to speak no it's pleasure to

784

00:31:47,700 --> 00:31:45,370

have you jack of course you've been a

785

00:31:49,710 --> 00:31:47,710

skeptic for a long time part of the

786

00:31:51,299 --> 00:31:49,720

young Australian skeptics of course too

787

00:31:53,549 --> 00:31:51,309

but actually that prompts the question

788

00:31:55,140 --> 00:31:53,559

what at what stage you kicked out of the

789

00:31:58,409 --> 00:31:55,150

young Australian skeptics for being too

790

00:32:01,530 --> 00:31:58,419

old I never thought about that yeah it's

791

00:32:05,850 --> 00:32:01,540

a tough question um it's I don't know

792

00:32:08,340 --> 00:32:05,860

it's some we don't really like to put

793

00:32:11,789 --> 00:32:08,350

labels on people because age is always

794

00:32:13,620 --> 00:32:11,799

you know a relative thing anyway so

795

00:32:15,680 --> 00:32:13,630

someone who someone might think is old

796

00:32:18,000 --> 00:32:15,690

might be young compared to someone else

797

00:32:20,130 --> 00:32:18,010

but I guess the the young Australian

798

00:32:23,010 --> 00:32:20,140

skeptics started just to support some of

799

00:32:24,990 --> 00:32:23,020

the younger people who I don't know

800

00:32:27,419 --> 00:32:25,000

thought that because I guess the

801
00:32:28,650 --> 00:32:27,429
skeptical community traditionally I mean

802
00:32:30,919 --> 00:32:28,660
it's very different now but

803
00:32:34,230 --> 00:32:30,929
traditionally was a lot of sort of

804
00:32:35,490 --> 00:32:34,240
middle-aged people and a bit older so we

805
00:32:37,110 --> 00:32:35,500
thought it would be good to represent

806
00:32:39,480 --> 00:32:37,120
some of the sort of high schoolers and

807
00:32:42,990 --> 00:32:39,490
undergraduate students and stuff so

808
00:32:44,400 --> 00:32:43,000
there's no real cut off but there's I

809
00:32:47,580 --> 00:32:44,410
don't know is it you can always make a

810
00:32:49,049 --> 00:32:47,590
case that you're young I guess I think

811
00:32:50,460 --> 00:32:49,059
you're absolutely right i mean compared

812
00:32:54,870 --> 00:32:50,470
to someone like James Randi were all

813
00:32:57,000 --> 00:32:54,880

young so that's okay the Youngs young

814

00:32:59,250 --> 00:32:57,010

skeptics hello Randy if you're listening

815

00:33:02,940 --> 00:32:59,260

now Jack this is very exciting your

816

00:33:04,980 --> 00:33:02,950

involve was a group of very interesting

817

00:33:07,620 --> 00:33:04,990

people my goodness me very interesting

818

00:33:09,570 --> 00:33:07,630

people and a new endeavor it's sort of

819

00:33:13,710 --> 00:33:09,580

like an online magazine what can you

820

00:33:15,210 --> 00:33:13,720

tell me about that well yes i'm starting

821

00:33:17,880 --> 00:33:15,220

a an online legs

822

00:33:19,529 --> 00:33:17,890

and as you said called lateral and it's

823

00:33:21,180 --> 00:33:19,539

an online magazine because it's a

824

00:33:23,850 --> 00:33:21,190

magazine it doesn't have a print edition

825

00:33:27,299 --> 00:33:23,860

it's a lot cheaper you know not to not

826

00:33:29,850 --> 00:33:27,309

have to print things out so it's it's

827

00:33:31,560 --> 00:33:29,860

kind of like I don't know there's a lot

828

00:33:34,260 --> 00:33:31,570

of magazines that are online these days

829

00:33:36,870 --> 00:33:34,270

particularly science magazines you know

830

00:33:38,610 --> 00:33:36,880

New Scientist you can even get you know

831

00:33:43,020 --> 00:33:38,620

the skeptic and things like that online

832

00:33:45,659 --> 00:33:43,030

as well and people are reading a lot of

833

00:33:47,190 --> 00:33:45,669

stuff online these days newspapers are

834

00:33:50,220 --> 00:33:47,200

going online and we just thought it

835

00:33:53,539 --> 00:33:50,230

would be a good idea to contribute to

836

00:33:56,250 --> 00:33:53,549

that online scientific space

837

00:34:00,090 --> 00:33:56,260

particularly in the area of supporting

838

00:34:02,010 --> 00:34:00,100

younger science writers because there's

839

00:34:03,539 --> 00:34:02,020

this huge demand at the moment for great

840

00:34:05,610 --> 00:34:03,549

science communicators and people that

841

00:34:09,389 --> 00:34:05,620

can talk about science and critical

842

00:34:11,040 --> 00:34:09,399

thinking and skepticism and people want

843

00:34:12,839 --> 00:34:11,050

all of these really good writers to be

844

00:34:14,580 --> 00:34:12,849

out there but I don't think a lot of

845

00:34:17,010 --> 00:34:14,590

people have thought of the way that

846

00:34:19,909 --> 00:34:17,020

those younger people the way that those

847

00:34:22,260 --> 00:34:19,919

people are coming in and starting out

848

00:34:24,540 --> 00:34:22,270

particularly younger people who might be

849

00:34:26,669 --> 00:34:24,550

science students or people at

850

00:34:28,919 --> 00:34:26,679

universities of high school or even

851
00:34:30,480 --> 00:34:28,929
people you know not in university at all

852
00:34:32,579 --> 00:34:30,490
but are interested in those areas and

853
00:34:37,770 --> 00:34:32,589
writing about that and we wanted to

854
00:34:39,329 --> 00:34:37,780
create a platform where people can

855
00:34:41,700 --> 00:34:39,339
develop their skills in an editorial

856
00:34:44,579 --> 00:34:41,710
environment producing a publication

857
00:34:47,760 --> 00:34:44,589
that's free for everyone to read that

858
00:34:50,629 --> 00:34:47,770
creates great articles publishes great

859
00:34:53,010 --> 00:34:50,639
scientific inspired artwork as well and

860
00:34:55,260 --> 00:34:53,020
just put it all online out there so

861
00:34:57,900 --> 00:34:55,270
people can develop and basically

862
00:35:00,470 --> 00:34:57,910
contribute to that ongoing mission to

863
00:35:03,750 --> 00:35:00,480

better the the science and skepticism

864

00:35:06,150 --> 00:35:03,760

communication in the world it sounds to

865

00:35:08,130 --> 00:35:06,160

me like a wonderful idea because what

866

00:35:10,349 --> 00:35:08,140

you're also doing is you're giving

867

00:35:12,270 --> 00:35:10,359

younger scientific people may be

868

00:35:15,060 --> 00:35:12,280

scientific communicators or people who

869

00:35:17,370 --> 00:35:15,070

have have a great interest in this a

870

00:35:20,720 --> 00:35:17,380

chance for them to cut their teeth in

871

00:35:24,329 --> 00:35:20,730

and to get into publishing and to get

872

00:35:26,400 --> 00:35:24,339

their chops in formulating articles and

873

00:35:28,500 --> 00:35:26,410

reports and communicating with the

874

00:35:29,080 --> 00:35:28,510

public so i think that's it that's a

875

00:35:33,250 --> 00:35:29,090

wonderful

876

00:35:34,750 --> 00:35:33,260

what what was the the genesis of the

877

00:35:37,720 --> 00:35:34,760

idea was there something you came up

878

00:35:38,950 --> 00:35:37,730

with or was it a group of people well

879

00:35:41,410 --> 00:35:38,960

there's a group of people behind the

880

00:35:43,480 --> 00:35:41,420

magazine I guess you could say that I

881

00:35:44,740 --> 00:35:43,490

came up with the idea although the

882

00:35:47,950 --> 00:35:44,750

people that are currently involved all

883

00:35:50,110 --> 00:35:47,960

the editors along with me I we're all

884

00:35:53,080 --> 00:35:50,120

contributing to it now and the magazine

885

00:35:54,640 --> 00:35:53,090

as it is as it will be here when it's

886

00:35:57,430 --> 00:35:54,650

launched in a couple of next month

887

00:35:59,320 --> 00:35:57,440

actually but that wouldn't be possible

888

00:36:01,480 --> 00:35:59,330

without all the people that have helped

889

00:36:04,540 --> 00:36:01,490

me along but the magazine sort of got to

890

00:36:06,940 --> 00:36:04,550

start when I realized that there was a

891

00:36:08,530 --> 00:36:06,950

bit of a gap between the professional

892

00:36:10,750 --> 00:36:08,540

science journalists and science writers

893

00:36:13,650 --> 00:36:10,760

that we're writing for places like New

894

00:36:16,030 --> 00:36:13,660

Scientist and National Geographic and

895

00:36:18,550 --> 00:36:16,040

cosmos magazine and things like that and

896

00:36:21,550 --> 00:36:18,560

the sort of the blog's that I guess

897

00:36:22,900 --> 00:36:21,560

people assume to be where people have to

898

00:36:24,310 --> 00:36:22,910

get their start you know you have to

899

00:36:26,650 --> 00:36:24,320

write on the blog your own personal blog

900

00:36:28,990 --> 00:36:26,660

pages and then you'll get discovered by

901
00:36:31,180 --> 00:36:29,000
somebody and then you can finally write

902
00:36:35,380 --> 00:36:31,190
professionally I guess but I've always

903
00:36:37,210 --> 00:36:35,390
seemed a bit of a slapdash I don't know

904
00:36:39,160 --> 00:36:37,220
way to get into science writing it

905
00:36:40,630 --> 00:36:39,170
seemed a bit like you have to rely on

906
00:36:42,610 --> 00:36:40,640
luck or you have to rely on the right

907
00:36:44,920 --> 00:36:42,620
circumstances and there wasn't really

908
00:36:47,320 --> 00:36:44,930
that as I said there wasn't that pathway

909
00:36:48,880 --> 00:36:47,330
for people to develop so I was thinking

910
00:36:50,470 --> 00:36:48,890
about that in the context of the group

911
00:36:52,570 --> 00:36:50,480
blog that the young Australian skeptics

912
00:36:53,620 --> 00:36:52,580
has had for a number of years now and I

913
00:36:56,140 --> 00:36:53,630

just thought that it would be better to

914

00:36:57,790 --> 00:36:56,150

formalize that into something that was

915

00:36:59,500 --> 00:36:57,800

actually a proper publication that

916

00:37:01,900 --> 00:36:59,510

people can point to and say hey I've

917

00:37:04,000 --> 00:37:01,910

written for that I can put it on my CV

918

00:37:07,390 --> 00:37:04,010

and it you know it's reasonably

919

00:37:08,950 --> 00:37:07,400

impressive so the idea was churning

920

00:37:10,480 --> 00:37:08,960

around in my head for about a year and

921

00:37:14,440 --> 00:37:10,490

then i thought i should actually do it

922

00:37:17,260 --> 00:37:14,450

i'm at the stage where you know i'm sort

923

00:37:19,320 --> 00:37:17,270

of finishing up a degree in science and

924

00:37:21,820 --> 00:37:19,330

i want to take a bit of time off that

925

00:37:25,000 --> 00:37:21,830

i'll have the time to commit to it and

926

00:37:26,140 --> 00:37:25,010

so that's what we did and I've got

927

00:37:30,190 --> 00:37:26,150

together a team and they're all very

928

00:37:33,520 --> 00:37:30,200

talented and they're giving it a really

929

00:37:35,170 --> 00:37:33,530

red-hot go I guess a red-hot go that's

930

00:37:37,270 --> 00:37:35,180

exactly the expression I've had a look

931

00:37:38,920 --> 00:37:37,280

at the web page you've got set up and we

932

00:37:41,930 --> 00:37:38,930

can talk about that in a second but just

933

00:37:43,880 --> 00:37:41,940

briefly are the skill set and the back

934

00:37:46,010 --> 00:37:43,890

some of the people you have involved

935

00:37:47,720 --> 00:37:46,020

with this or you're involving this it's

936

00:37:49,490 --> 00:37:47,730

quite impressive and quite interesting

937

00:37:52,370 --> 00:37:49,500

now we've got astronomers and all sorts

938

00:37:56,450 --> 00:37:52,380

of people well we wanted to make the

939

00:38:00,050 --> 00:37:56,460

team as diverse as possible because the

940

00:38:02,750 --> 00:38:00,060

aim of lateral is to explore other than

941

00:38:04,370 --> 00:38:02,760

supporting young writers from the actual

942

00:38:06,680 --> 00:38:04,380

perspective of the audience we wanted to

943

00:38:10,309 --> 00:38:06,690

create a magazine that people would want

944

00:38:12,980 --> 00:38:10,319

to read that that encompasses as much of

945

00:38:15,559 --> 00:38:12,990

the scientific sort of landscape as

946

00:38:18,109 --> 00:38:15,569

possible and how science influences

947

00:38:23,740 --> 00:38:18,119

things like politics and education

948

00:38:26,630 --> 00:38:23,750

journalism law all stuff like that and

949

00:38:28,790 --> 00:38:26,640

so we've got people who are journalism

950

00:38:32,300 --> 00:38:28,800

students we've got zoologist we've got

951
00:38:35,150 --> 00:38:32,310
astrophysicists we've got chemists we've

952
00:38:38,480 --> 00:38:35,160
got people doing phd's in in biomedicine

953
00:38:40,670 --> 00:38:38,490
as well so we tried to try to make the

954
00:38:44,599 --> 00:38:40,680
team as diverse as possible with a wide

955
00:38:46,550 --> 00:38:44,609
range of differing you know backgrounds

956
00:38:49,069 --> 00:38:46,560
and different types of experiences we're

957
00:38:51,109 --> 00:38:49,079
still actually looking for more people

958
00:38:54,550 --> 00:38:51,119
to join the team at the editorial team

959
00:38:57,650 --> 00:38:54,560
so if there's anybody listening who

960
00:39:01,250 --> 00:38:57,660
would maybe like to get involved then I

961
00:39:03,490 --> 00:39:01,260
would like to ask them maybe to get in

962
00:39:06,680 --> 00:39:03,500
touch with us if they if they'd like

963
00:39:08,870 --> 00:39:06,690

particularly if anybody has any interest

964

00:39:10,280 --> 00:39:08,880

in the area of philosophy and the

965

00:39:13,849 --> 00:39:10,290

history of science we're looking for

966

00:39:15,440 --> 00:39:13,859

people to cover that area for us there

967

00:39:17,150 --> 00:39:15,450

is your invitation folks there's your

968

00:39:19,250 --> 00:39:17,160

invitation if you are up-and-coming

969

00:39:21,109 --> 00:39:19,260

young scientist if you're doing your

970

00:39:23,180 --> 00:39:21,119

degree at the moment it might be the

971

00:39:26,000 --> 00:39:23,190

opportunity for you Jack how can people

972

00:39:27,890 --> 00:39:26,010

find out more and while they're finding

973

00:39:29,359 --> 00:39:27,900

out more in fact they can see a short

974

00:39:31,160 --> 00:39:29,369

video you've put together and meet some

975

00:39:34,760 --> 00:39:31,170

of the team which i think is a great

976
00:39:36,770 --> 00:39:34,770
thing yes or worse well at the moment

977
00:39:38,420 --> 00:39:36,780
where we're trying to raise funds for

978
00:39:40,339 --> 00:39:38,430
the magazine I don't know if I mentioned

979
00:39:42,170 --> 00:39:40,349
it before but everybody who contributes

980
00:39:44,630 --> 00:39:42,180
to the magazine is actually going to be

981
00:39:46,550 --> 00:39:44,640
paid it's not a not something people are

982
00:39:48,589 --> 00:39:46,560
I mean everybody's doing it because they

983
00:39:51,020 --> 00:39:48,599
they love doing it but we wanted to

984
00:39:52,550 --> 00:39:51,030
provide paid opportunities because it's

985
00:39:54,319 --> 00:39:52,560
so rare these days if you're doing

986
00:39:55,640 --> 00:39:54,329
things online that you're expected to

987
00:39:58,430 --> 00:39:55,650
sort of just do it for free

988
00:40:00,200 --> 00:39:58,440

so we wanted to yeah have some sort of

989

00:40:03,560 --> 00:40:00,210

monetary compensation for people's time

990

00:40:04,970 --> 00:40:03,570

and effort and we're raising money at

991

00:40:06,290 --> 00:40:04,980

the moment for that as well as the

992

00:40:08,360 --> 00:40:06,300

design of the magazine which is

993

00:40:10,190 --> 00:40:08,370

currently ongoing I mean we've got the

994

00:40:15,130 --> 00:40:10,200

logo and everything's sorted out you can

995

00:40:19,460 --> 00:40:15,140

find that on our crowdfunding campaign

996

00:40:20,840 --> 00:40:19,470

page which is on IndieGoGo and I'm sure

997

00:40:22,480 --> 00:40:20,850

there'll be a link to it in the show now

998

00:40:24,830 --> 00:40:22,490

so we can just google lateral magazine

999

00:40:28,520 --> 00:40:24,840

crowd funding or something it'll come up

1000

00:40:30,380 --> 00:40:28,530

in google and yeah so we're trying to

1001
00:40:33,770 --> 00:40:30,390
raise money for that and that covers our

1002
00:40:35,690 --> 00:40:33,780
first six months of operation as well so

1003
00:40:38,270 --> 00:40:35,700
it's going to a good cause and will help

1004
00:40:39,950 --> 00:40:38,280
us sort of find our feet and hopefully

1005
00:40:42,140 --> 00:40:39,960
make the magazine a sustainable

1006
00:40:44,090 --> 00:40:42,150
long-term sort of thing so that's

1007
00:40:45,440 --> 00:40:44,100
lateral magazine you can find it if you

1008
00:40:47,060 --> 00:40:45,450
search for lateral magazine and

1009
00:40:48,440 --> 00:40:47,070
crowdfunding or go to indy gogo of

1010
00:40:51,380 --> 00:40:48,450
course you can just go to the skeptic

1011
00:40:54,260 --> 00:40:51,390
zone TV and on the show notes for this

1012
00:40:55,970 --> 00:40:54,270
episode episode 350 you shall find the

1013
00:40:57,830 --> 00:40:55,980

link but I'm sure Google will take you

1014

00:40:59,660 --> 00:40:57,840

there anyway Jack what oh what a

1015

00:41:02,660 --> 00:40:59,670

wonderful endeavor I'm always pleased to

1016

00:41:05,090 --> 00:41:02,670

promote new and interesting ideas and

1017

00:41:06,980 --> 00:41:05,100

this one certainly sounds like one to me

1018

00:41:09,710 --> 00:41:06,990

I can only wish you all the best and

1019

00:41:12,260 --> 00:41:09,720

folks why not pitch in and help and if

1020

00:41:15,590 --> 00:41:12,270

you feel so inclined you can even maybe

1021

00:41:17,180 --> 00:41:15,600

possibly be a contributor yeah exactly

1022

00:41:19,040 --> 00:41:17,190

we're always looking for people to get

1023

00:41:22,010 --> 00:41:19,050

involved so if you think you'd fit the

1024

00:41:23,630 --> 00:41:22,020

bill and you'd be you know be interest

1025

00:41:26,240 --> 00:41:23,640

in that sort of thing then get in touch

1026

00:41:27,650 --> 00:41:26,250

with us yeah thank you very much richer

1027

00:41:29,990 --> 00:41:27,660

for having me on the show it's been gone

1028

00:41:32,090 --> 00:41:30,000

but for now jack skeletal the way from

1029

00:41:33,830 --> 00:41:32,100

sunny melbourne well mostly sunny will

1030

00:41:47,260 --> 00:41:33,840

sometimes I mean thank you very much

1031

00:41:51,860 --> 00:41:50,060

virtual skeptics is a weekly web show in

1032

00:41:54,170 --> 00:41:51,870

which we discuss the latest news in

1033

00:41:55,640 --> 00:41:54,180

skepticism whether it's a new case of

1034

00:41:57,860 --> 00:41:55,650

spontaneous human combustion a

1035

00:42:00,080 --> 00:41:57,870

conspiracy theory the latest update on

1036

00:42:01,730 --> 00:42:00,090

the upcoming robot apocalypse tech news

1037

00:42:04,220 --> 00:42:01,740

for skeptics are the latest wacky

1038

00:42:06,590 --> 00:42:04,230

religious claim we cover it all we

1039

00:42:09,260 --> 00:42:06,600

record the show live as a Google+ on-air

1040

00:42:11,060 --> 00:42:09,270

hang out so join us and our host Brian

1041

00:42:13,730 --> 00:42:11,070

Gregory for an hour of mostly

1042

00:42:16,640 --> 00:42:13,740

intelligent talk every Wednesday at a PM

1043

00:42:19,220 --> 00:42:16,650

eastern US time watch acid virtual

1044

00:42:22,060 --> 00:42:19,230

skeptics calm and participate in the

1045

00:42:24,710 --> 00:42:22,070

show on our hashtag virtual skeptics the

1046

00:42:29,650 --> 00:42:24,720

virtual skeptics it's like meet the

1047

00:42:37,680 --> 00:42:34,850

here's may not spooky action at the

1048

00:42:41,920 --> 00:42:40,420

yet so we are talking about skeptical

1049

00:42:43,270 --> 00:42:41,930

activism here at skeptics in the pub

1050

00:42:45,430 --> 00:42:43,280

tonight and I'm just asking a general

1051
00:42:47,109 --> 00:42:45,440
question to people what do you think

1052
00:42:50,349 --> 00:42:47,119
someone could do at home to do their own

1053
00:42:52,510 --> 00:42:50,359
a little skeptical activism well first

1054
00:42:55,599 --> 00:42:52,520
of all you've got to find a topic that

1055
00:42:58,630 --> 00:42:55,609
you think is important I mean just being

1056
00:43:00,400 --> 00:42:58,640
skeptical for no reason I don't see that

1057
00:43:02,770 --> 00:43:00,410
support and sobbing I just kind of just

1058
00:43:03,730 --> 00:43:02,780
makes you annoying really but I mean if

1059
00:43:06,310 --> 00:43:03,740
you think it's something that's

1060
00:43:09,040 --> 00:43:06,320
affecting society like you find these

1061
00:43:11,980 --> 00:43:09,050
people who are skeptical about global

1062
00:43:15,849 --> 00:43:11,990
warming then you point out the science

1063
00:43:18,700 --> 00:43:15,859

to them and when they come up with all

1064

00:43:20,830 --> 00:43:18,710

these strange statements you point out

1065

00:43:24,339 --> 00:43:20,840

why they are you know scientifically

1066

00:43:27,640 --> 00:43:24,349

meaningless and a lot of this is just

1067

00:43:29,190 --> 00:43:27,650

people rambling on about and not

1068

00:43:32,380 --> 00:43:29,200

understanding what they're talking about

1069

00:43:35,410 --> 00:43:32,390

yeah because i'm at the thinking table

1070

00:43:37,510 --> 00:43:35,420

who we got here is David and Richard

1071

00:43:39,520 --> 00:43:37,520

okay guys you're going out to me not

1072

00:43:41,170 --> 00:43:39,530

again asking me a question what do you

1073

00:43:44,079 --> 00:43:41,180

think people could do that was a bit of

1074

00:43:45,220 --> 00:43:44,089

a good Fozzie Bear there now what do you

1075

00:43:47,020 --> 00:43:45,230

think people could do is their own bit

1076
00:43:50,170 --> 00:43:47,030
of skeptical activist enough at home on

1077
00:43:52,240 --> 00:43:50,180
a small or a large scale whenever one of

1078
00:43:56,140 --> 00:43:52,250
my Facebook friends post a link to their

1079
00:44:00,609 --> 00:43:56,150
star sign I post a link and no replies

1080
00:44:02,800 --> 00:44:00,619
to feel plates debunking of astrology oh

1081
00:44:04,630 --> 00:44:02,810
now what do you reckon you could do on

1082
00:44:08,470 --> 00:44:04,640
your own individual basis do a bit of

1083
00:44:12,220 --> 00:44:08,480
skeptical activism well the same is what

1084
00:44:16,339 --> 00:44:12,230
he said I you know always post links

1085
00:44:20,120 --> 00:44:16,349
from from some of the more popular

1086
00:44:23,059 --> 00:44:20,130
stuff like dr. dady when when Equus mr.

1087
00:44:24,140 --> 00:44:23,069
Daly when you put stuff out I guess the

1088
00:44:25,940 --> 00:44:24,150

burning problem is that you know that

1089

00:44:27,859 --> 00:44:25,950

kind of stuff can go though i'll ignore

1090

00:44:31,930 --> 00:44:27,869

you or can just go back and forth till

1091

00:44:35,839 --> 00:44:31,940

three in the morning sometimes um yeah I

1092

00:44:39,440 --> 00:44:35,849

mean it's you do it for what it's worth

1093

00:44:42,559 --> 00:44:39,450

I mean but the people who you'll want to

1094

00:44:45,890 --> 00:44:42,569

listen da sta your friends yes those who

1095

00:44:48,440 --> 00:44:45,900

don't dole unfriend you over here who we

1096

00:44:49,640 --> 00:44:48,450

got here Carrie okay what do you think

1097

00:44:51,559 --> 00:44:49,650

would be something you could do on an

1098

00:44:55,370 --> 00:44:51,569

individual level is a bit of skeptical

1099

00:44:59,809 --> 00:44:55,380

activism share posts about scientific

1100

00:45:01,700 --> 00:44:59,819

skepticism and other on the other hand

1101

00:45:04,400 --> 00:45:01,710

it may be like fat check before you

1102

00:45:06,650 --> 00:45:04,410

spray it you wouldn't want to share like

1103

00:45:09,469 --> 00:45:06,660

a wrong link or a bogus link or yeah

1104

00:45:10,849 --> 00:45:09,479

yeah hmm and what sort of area would you

1105

00:45:12,950 --> 00:45:10,859

do that to what sort of thing would you

1106

00:45:15,979 --> 00:45:12,960

see on facebook where you go that cannot

1107

00:45:18,420 --> 00:45:15,989

stand vaccination global warming

1108

00:45:21,750 --> 00:45:18,430

homeopathy there's three

1109

00:45:24,599 --> 00:45:21,760

I think I know some people who pose and

1110

00:45:26,970 --> 00:45:24,609

anti-vaccination things in that I find a

1111

00:45:30,270 --> 00:45:26,980

bit worried I think somebody will post

1112

00:45:31,920 --> 00:45:30,280

things about battery supplements and

1113

00:45:33,870 --> 00:45:31,930

they're like oh yeah that's really here

1114

00:45:35,910 --> 00:45:33,880

I forgot that yeah that's a minefield

1115

00:45:37,049 --> 00:45:35,920

isn't it okay thank you now you're

1116

00:45:38,819 --> 00:45:37,059

wandering around here in your bump into

1117

00:45:41,609 --> 00:45:38,829

jessica singer how are you everyone's

1118

00:45:44,190 --> 00:45:41,619

favorite corporate lawyer I'm extremely

1119

00:45:46,589 --> 00:45:44,200

well thank you may not we're talking

1120

00:45:48,540 --> 00:45:46,599

about skeptical activism this evening

1121

00:45:50,579 --> 00:45:48,550

and we're wondering on a personal level

1122

00:45:52,440 --> 00:45:50,589

what sort of skeptical activism can

1123

00:45:54,030 --> 00:45:52,450

people do either on their own or in

1124

00:45:56,760 --> 00:45:54,040

their workplace you know without causing

1125

00:45:59,400 --> 00:45:56,770

too much fuss oh oh well in the

1126

00:46:01,049 --> 00:45:59,410

workplace that's a hard one oh yeah

1127

00:46:02,069 --> 00:46:01,059

because because in the workplace you

1128

00:46:03,150 --> 00:46:02,079

know you don't want to make too much of

1129

00:46:04,980 --> 00:46:03,160

a pain of yourself but then again

1130

00:46:08,400 --> 00:46:04,990

there's often someone flaunting some

1131

00:46:12,750 --> 00:46:08,410

wacky stuff yeah I think I think the

1132

00:46:14,579 --> 00:46:12,760

best you can do is read there's an

1133

00:46:17,160 --> 00:46:14,589

article by Brian Dunning which is very

1134

00:46:21,839 --> 00:46:17,170

good called what to do when a friend

1135

00:46:23,760 --> 00:46:21,849

loves whoo and that gives some really

1136

00:46:29,069 --> 00:46:23,770

good tips for approaching people

1137

00:46:31,109 --> 00:46:29,079

respectfully and gently when they have

1138

00:46:33,240 --> 00:46:31,119

wacky views and that's actually very

1139

00:46:34,470 --> 00:46:33,250

useful for people in the workplace

1140

00:46:35,760 --> 00:46:34,480

because you want to get on with your

1141

00:46:38,099 --> 00:46:35,770

colleagues and you don't want to cause

1142

00:46:40,890 --> 00:46:38,109

World War three and people hold their

1143

00:46:42,240 --> 00:46:40,900

views very daily so what would you think

1144

00:46:46,430 --> 00:46:42,250

would be another thing people can do on

1145

00:46:49,109 --> 00:46:46,440

their own well if you're a beginner in

1146

00:46:52,230 --> 00:46:49,119

so to speak I think the best thing you

1147

00:46:55,829 --> 00:46:52,240

can do is educate yourself so go to

1148

00:46:58,440 --> 00:46:55,839

things like mind body spirit also known

1149

00:47:01,440 --> 00:46:58,450

as mind-body wallet and then if you if

1150

00:47:04,260 --> 00:47:01,450

you're if you know a bit more about

1151
00:47:07,440 --> 00:47:04,270
skepticism and the the areas that we

1152
00:47:09,660 --> 00:47:07,450
that we address there and you really

1153
00:47:12,630 --> 00:47:09,670
really wanted to contribute then I think

1154
00:47:15,450 --> 00:47:12,640
you think of what your area of expertise

1155
00:47:17,490 --> 00:47:15,460
is and how you can contribute I mean I'm

1156
00:47:21,839 --> 00:47:17,500
a lawyer not a scientist I'm not a

1157
00:47:25,859 --> 00:47:21,849
doctor so I can contribute by being a

1158
00:47:27,620 --> 00:47:25,869
member of the organization and doing

1159
00:47:30,569 --> 00:47:27,630
practical things like being a secretary

1160
00:47:32,160 --> 00:47:30,579
helping the organization run making sure

1161
00:47:33,900 --> 00:47:32,170
all the legal obligations are complied

1162
00:47:36,270 --> 00:47:33,910
with that kind of thing so there's

1163
00:47:38,579 --> 00:47:36,280

whatever your expertise i think there's

1164

00:47:40,950 --> 00:47:38,589

always a way someone can contribute okay

1165

00:47:42,780 --> 00:47:40,960

and do get into too much of those

1166

00:47:44,160 --> 00:47:42,790

late-night back and forth on the

1167

00:47:45,510 --> 00:47:44,170

internet stuff do you get into that kind

1168

00:47:47,010 --> 00:47:45,520

of thing like dr. rate she does you know

1169

00:47:49,319 --> 00:47:47,020

dr. Reggie is up late going you're wrong

1170

00:47:51,270 --> 00:47:49,329

you're wrong now I avoid that like the

1171

00:47:53,750 --> 00:47:51,280

play I think that's a waste of time I

1172

00:47:56,430 --> 00:47:53,760

think I think I'm a lawyer so

1173

00:47:58,500 --> 00:47:56,440

negotiating and putting arguments to

1174

00:48:02,400 --> 00:47:58,510

people and putting my point of view to

1175

00:48:08,000 --> 00:48:02,410

people is is my job I think the Internet

1176

00:48:11,640 --> 00:48:08,010

is a not a good forum to do that and

1177

00:48:14,730 --> 00:48:11,650

it's also personally it's very annoying

1178

00:48:16,870 --> 00:48:14,740

for me to see people argue things badly

1179

00:48:20,860 --> 00:48:16,880

and

1180

00:48:22,480 --> 00:48:20,870

yeah over a moat emotionally dr. Rachel

1181

00:48:24,610 --> 00:48:22,490

just tends to bulldoze them with science

1182

00:48:27,190 --> 00:48:24,620

there so that she is pretty good at it

1183

00:48:29,140 --> 00:48:27,200

but I guess years of practice she's

1184

00:48:30,670 --> 00:48:29,150

awesome and unfortunately I don't have

1185

00:48:34,180 --> 00:48:30,680

that scientific knowledge to be able to

1186

00:48:37,990 --> 00:48:34,190

do that so I leave it to the experts

1187

00:48:41,110 --> 00:48:38,000

like dr. ohe okay and I know I sit on

1188

00:48:42,880 --> 00:48:41,120

the sidelines and eat popcorn no we got

1189

00:48:47,320 --> 00:48:42,890

he ever got a Victorian visitor to our

1190

00:48:48,580 --> 00:48:47,330

gathering tonight rosemary Skeets where

1191

00:48:50,320 --> 00:48:48,590

do you normally hang with the rough

1192

00:48:53,560 --> 00:48:50,330

Melbourne skeptics to you about it oh

1193

00:48:56,200 --> 00:48:53,570

well Victorian skeptics at our monthly

1194

00:48:58,690 --> 00:48:56,210

venue and the restaurant strip of

1195

00:49:00,940 --> 00:48:58,700

Melbourne well that's pretty good are

1196

00:49:03,220 --> 00:49:00,950

not restaurant an Italian restaurant in

1197

00:49:04,420 --> 00:49:03,230

the big the big restaurant road and what

1198

00:49:05,950 --> 00:49:04,430

do you think people can do on the

1199

00:49:08,050 --> 00:49:05,960

individual level to be their own

1200

00:49:09,520 --> 00:49:08,060

activists beard at work or online or

1201

00:49:11,500 --> 00:49:09,530

something because you're bugbears

1202

00:49:16,080 --> 00:49:11,510

homeopathy is enough it definitely is

1203

00:49:19,060 --> 00:49:16,090

I'm I'm an active member of my local u3a

1204

00:49:24,100 --> 00:49:19,070

University of the third age and there

1205

00:49:27,850 --> 00:49:24,110

are people in that tub mp3 a who swear

1206

00:49:29,560 --> 00:49:27,860

by homeopathy so how do you how do you

1207

00:49:31,650 --> 00:49:29,570

do it in a nice way to let them know

1208

00:49:34,960 --> 00:49:31,660

that they may be misleading themselves

1209

00:49:38,050 --> 00:49:34,970

well I have tried to explain to them the

1210

00:49:41,860 --> 00:49:38,060

mathematics behind it and also some of

1211

00:49:44,440 --> 00:49:41,870

the the absurdities if they if you

1212

00:49:48,310 --> 00:49:44,450

explain the theory now i'm borrowing

1213

00:49:50,110 --> 00:49:48,320

from Peter Babbage here because I heard

1214

00:49:54,390 --> 00:49:50,120

of him say before but you know if the

1215

00:49:58,110 --> 00:49:54,400

theory of homeopathy was valid then

1216

00:50:01,840 --> 00:49:58,120

chili peppers yeah if like killers like

1217

00:50:03,820 --> 00:50:01,850

chili peppers which cause you know your

1218

00:50:06,610 --> 00:50:03,830

body to swim they should cure high

1219

00:50:09,070 --> 00:50:06,620

fevers too much sugar will cause your

1220

00:50:11,620 --> 00:50:09,080

blood sugar to rise and maybe cause

1221

00:50:13,920 --> 00:50:11,630

diabetes so lollies lollies ought to be

1222

00:50:15,900 --> 00:50:13,930

a cure for diabetes

1223

00:50:18,930 --> 00:50:15,910

you know how do they normally go when

1224

00:50:21,839 --> 00:50:18,940

you float this to him ah they just i

1225

00:50:25,760 --> 00:50:21,849

glazed their eyes glaze over but the

1226

00:50:29,190 --> 00:50:25,770

ultimate one is the champ if arsenic

1227

00:50:31,920 --> 00:50:29,200

will lead to death after they can

1228

00:50:35,010 --> 00:50:31,930

arsenic is poisonous than arsenic

1229

00:50:37,349 --> 00:50:35,020

diluted astley gotta cure death oh I

1230

00:50:40,020 --> 00:50:37,359

guessed a lot logic follows with that

1231

00:50:41,549 --> 00:50:40,030

and do you get in long debates with them

1232

00:50:45,390 --> 00:50:41,559

or they just glaze over and move along

1233

00:50:48,030 --> 00:50:45,400

no no I am few years ago I organized a

1234

00:50:49,890 --> 00:50:48,040

course at my local you three I didn't

1235

00:50:52,079 --> 00:50:49,900

actually presented myself I lined up a

1236

00:50:53,730 --> 00:50:52,089

few members of the Victorian skeptics to

1237

00:50:57,089 --> 00:50:53,740

do the presenting including Steve

1238

00:51:00,089 --> 00:50:57,099

Roberts there was a course called

1239

00:51:02,700 --> 00:51:00,099

critical thinking and one of the topics

1240

00:51:06,359 --> 00:51:02,710

advertised that would be covered with

1241

00:51:08,430 --> 00:51:06,369

homeopathy and there's one woman who

1242

00:51:11,970 --> 00:51:08,440

when she saw the list of topics said

1243

00:51:15,030 --> 00:51:11,980

well let me know in advance which week

1244

00:51:17,430 --> 00:51:15,040

homeopathy will be covered because I

1245

00:51:19,799 --> 00:51:17,440

won't come to that one because I believe

1246

00:51:23,549 --> 00:51:19,809

in it and I don't want to hear anything

1247

00:51:27,809 --> 00:51:23,559

that might make me doubt it so that was

1248

00:51:30,210 --> 00:51:27,819

rather telling and who we got here hello

1249

00:51:31,109 --> 00:51:30,220

my name's Naomi no no I mean now what do

1250

00:51:32,490 --> 00:51:31,119

you think people could do on an

1251

00:51:34,049 --> 00:51:32,500

individual level for a bit of a

1252

00:51:36,120 --> 00:51:34,059

skeptical activism we've we've heard

1253

00:51:37,920 --> 00:51:36,130

some really good answers tonight well

1254

00:51:39,839 --> 00:51:37,930

really simple ways whenever your friends

1255

00:51:42,120 --> 00:51:39,849

post something stupid on facebook as you

1256

00:51:43,650 --> 00:51:42,130

link them to snopes what's the most

1257

00:51:45,750 --> 00:51:43,660

common one that you keep coming up with

1258

00:51:46,829 --> 00:51:45,760

that you have to keep linking to it's

1259

00:51:48,569 --> 00:51:46,839

always something different every day

1260

00:51:50,160 --> 00:51:48,579

this is so many to choose from but

1261

00:51:52,710 --> 00:51:50,170

smokes is covered most of them so it's

1262

00:51:53,880 --> 00:51:52,720

very easy to find things very quickly is

1263

00:51:55,980 --> 00:51:53,890

there normally one like there's some

1264

00:51:57,450 --> 00:51:55,990

crazed killer in their area or something

1265

00:51:58,620 --> 00:51:57,460

and it's a generic thing from America

1266

00:52:00,539 --> 00:51:58,630

that they're posting that that's always

1267

00:52:02,549 --> 00:52:00,549

a good luck sometimes you get the whole

1268

00:52:04,319 --> 00:52:02,559

chloroform perfume in the car park kind

1269

00:52:05,849 --> 00:52:04,329

of scare so it's actually very nice

1270

00:52:07,530 --> 00:52:05,859

being a skeptic there's so much left to

1271

00:52:22,339 --> 00:52:07,540

fear you only have to be afraid of the

1272

00:52:28,950 --> 00:52:26,040

not just dollars the hidden res on

1273

00:52:31,680 --> 00:52:28,960

better of the art forger speaker Laura

1274

00:52:34,440 --> 00:52:31,690

Nichols date monday the 13th of July

1275

00:52:37,589 --> 00:52:34,450

2015 location The Daily Chronicle room

1276
00:52:41,099 --> 00:52:37,599
east hotel 69 Canberra Avenue Kingston

1277
00:52:42,750 --> 00:52:41,109
in the acct admission is free now you

1278
00:52:45,150 --> 00:52:42,760
don't need to forge any artwork or

1279
00:52:47,339 --> 00:52:45,160
certificates or counterfeit any money to

1280
00:52:50,069 --> 00:52:47,349
attend this interesting talk organised

1281
00:52:53,520 --> 00:52:50,079
once again by the Canberra skeptics ww

1282
00:52:55,710 --> 00:52:53,530
Canberra cftc org a you worth

1283
00:53:03,540 --> 00:52:55,720
bookmarking they have interesting talks

1284
00:53:05,160 --> 00:53:03,550
throughout the year hi this is Heidi

1285
00:53:08,250 --> 00:53:05,170
Robertson from the Northern Rivers

1286
00:53:10,620 --> 00:53:08,260
vaccination supporters we are a group of

1287
00:53:12,480 --> 00:53:10,630
concerned citizens dedicated to

1288
00:53:15,359 --> 00:53:12,490

promoting good science and common sense

1289

00:53:18,480 --> 00:53:15,369

in our region the far north coast of New

1290

00:53:20,809 --> 00:53:18,490

South Wales this area of famous for its

1291

00:53:24,000 --> 00:53:20,819

natural beauty and relaxed lifestyle

1292

00:53:27,270 --> 00:53:24,010

also has the lowest rates of vaccination

1293

00:53:28,829 --> 00:53:27,280

in Australia we are out to change that

1294

00:53:31,530 --> 00:53:28,839

by challenging the myths and

1295

00:53:33,720 --> 00:53:31,540

misinformation and by providing good

1296

00:53:36,569 --> 00:53:33,730

evidence based information to the

1297

00:53:39,000 --> 00:53:36,579

community we'd love for you no matter

1298

00:53:44,720 --> 00:53:39,010

where you are in the world to join our

1299

00:53:49,260 --> 00:53:44,730

fight please visit our webpage at ww

1300

00:53:52,980 --> 00:53:49,270

nrvs info we also have a link there to

1301

00:53:56,819 --> 00:53:52,990

our facebook page tweet us at in our

1302

00:53:58,730 --> 00:53:56,829

faqs supporters that's vix and check us

1303

00:54:01,670 --> 00:53:58,740

out on Wikipedia by searching for

1304

00:54:19,120 --> 00:54:01,680

Northern Rivers vaccination supporters

1305

00:54:24,290 --> 00:54:22,070

thanks to the drinks Richard where's my

1306

00:54:25,730 --> 00:54:24,300

credit card Maynard um I gave it to a

1307

00:54:28,550 --> 00:54:25,740

lovely lady downstairs that i'll be

1308

00:54:31,760 --> 00:54:28,560

joining fairly shortly uh-huh what we

1309

00:54:33,410 --> 00:54:31,770

are saunders hahaha well thank you

1310

00:54:35,270 --> 00:54:33,420

everybody for listening to the skeptic

1311

00:54:36,710 --> 00:54:35,280

zone it's been an interesting show lots

1312

00:54:38,480 --> 00:54:36,720

of things that we didn't even expect

1313

00:54:40,280 --> 00:54:38,490

that's right when the skeptics get

1314

00:54:42,740 --> 00:54:40,290

together and it's the first thursday of

1315

00:54:44,960 --> 00:54:42,750

every month at the crown hotel in

1316

00:54:47,450 --> 00:54:44,970

goulburn street in sydney and because of

1317

00:54:49,480 --> 00:54:47,460

wibbly-wobbly timey-wimey bits you would

1318

00:54:51,680 --> 00:54:49,490

have heard in that episode just gone

1319

00:54:52,910 --> 00:54:51,690

interviews manor did here tonight at

1320

00:54:55,640 --> 00:54:52,920

skeptics in the pub which you haven't

1321

00:55:00,920 --> 00:54:55,650

even done yet I know and let me tell you

1322

00:55:03,950 --> 00:55:00,930

I was funny you will be and you were as

1323

00:55:07,700 --> 00:55:03,960

funny and I was insightful well it I

1324

00:55:10,220 --> 00:55:07,710

come on let's not stretch it now coming

1325

00:55:12,880 --> 00:55:10,230

up are in coming weeks coming up in

1326
00:55:15,260 --> 00:55:12,890
coming weeks on the skeptic zone tam

1327
00:55:18,230 --> 00:55:15,270
after Tammy i'm off to term again I'll

1328
00:55:19,790 --> 00:55:18,240
be reporting from Tam Las Vegas but on

1329
00:55:21,620 --> 00:55:19,800
next week's show I'm not exactly sure

1330
00:55:23,230 --> 00:55:21,630
what's coming up I guess I'll find out

1331
00:55:26,210 --> 00:55:23,240
when I hear it wibbly-wobbly timey-wimey

1332
00:55:28,670 --> 00:55:26,220
you know oh so thank you for listening

1333
00:55:30,320 --> 00:55:28,680
to the skeptic zone and thank you

1334
00:55:32,630 --> 00:55:30,330
everybody for sticking with a skeptic

1335
00:55:34,490 --> 00:55:32,640
zone for coming up to seven years or

1336
00:55:36,770 --> 00:55:34,500
eight years or something I've got 350

1337
00:55:39,140 --> 00:55:36,780
episodes like I said at the top of the

1338
00:55:40,700 --> 00:55:39,150

show Maynard I think I need a rest look

1339

00:55:42,080 --> 00:55:40,710

you know you get that first year out of

1340

00:55:44,210 --> 00:55:42,090

the gate was great you went through your

1341

00:55:46,550 --> 00:55:44,220

six years slump but now the last year

1342

00:55:48,290 --> 00:55:46,560

you have been back in your game I have

1343

00:55:49,850 --> 00:55:48,300

oh and another big thank you to

1344

00:55:52,610 --> 00:55:49,860

everybody who's been writing to me with

1345

00:55:54,470 --> 00:55:52,620

them very warm well wishes about my

1346

00:55:56,600 --> 00:55:54,480

recent surgery well I'm out and about

1347

00:55:58,370 --> 00:55:56,610

i'm very happy to be here and may not a

1348

00:56:00,260 --> 00:55:58,380

big thank you to you for coming by

1349

00:56:02,570 --> 00:56:00,270

hospital to pick me up and I was out of

1350

00:56:03,740 --> 00:56:02,580

my skull when you pick me up I think you

1351

00:56:04,880 --> 00:56:03,750

see you were so out of it you didn't

1352

00:56:06,260 --> 00:56:04,890

notice that I was actually more out of

1353

00:56:07,880 --> 00:56:06,270

it the new work which is probably good

1354

00:56:09,940 --> 00:56:07,890

thing you didn't know that it's a good

1355

00:56:12,110 --> 00:56:09,950

thing man out it's a good thing I

1356

00:56:13,640 --> 00:56:12,120

usually have a gym last edit when I'm

1357

00:56:16,190 --> 00:56:13,650

driving the boy swag and I find it it's

1358

00:56:17,510 --> 00:56:16,200

safer for everybody now main ID you've

1359

00:56:19,040 --> 00:56:17,520

been very busy of course with bunga

1360

00:56:20,690 --> 00:56:19,050

bunga I have indeed I've been doing some

1361

00:56:22,430 --> 00:56:20,700

stuff with Tim Ferguson just pop over to

1362

00:56:23,290 --> 00:56:22,440

Maynard comdata you or you might have

1363

00:56:24,850 --> 00:56:23,300

heard a little bit of during

1364

00:56:26,140 --> 00:56:24,860

so just come and have a listen and I

1365

00:56:27,730 --> 00:56:26,150

want to thank on behalf of Richard

1366

00:56:29,500 --> 00:56:27,740

everyone who supports a skeptic zone

1367

00:56:31,510 --> 00:56:29,510

financially with those micro payments he

1368

00:56:33,190 --> 00:56:31,520

really appreciates it I do they help pay

1369

00:56:35,350 --> 00:56:33,200

for my surgery now I do folks they help

1370

00:56:37,060 --> 00:56:35,360

pay for the skipping zone okay my night

1371

00:56:38,680 --> 00:56:37,070

I think it's time for run downstairs and

1372

00:56:40,990 --> 00:56:38,690

find my credit card and we can sign off

1373

00:56:42,370 --> 00:56:41,000

if you're depending on those micro

1374

00:56:49,690 --> 00:56:42,380

payments i would have loved the surgery

1375

00:56:51,310 --> 00:56:49,700

you would have got banks may not you've

1376

00:56:54,880 --> 00:56:51,320

been listening to the skeptics own

1377

00:56:57,790 --> 00:56:54,890

podcast because of our website at wwc a

1378

00:57:01,240 --> 00:56:57,800

petting zoo TV for contacts an archive

1379

00:57:03,940 --> 00:57:01,250

of all episodes since 2008 and our

1380

00:57:05,850 --> 00:57:03,950

online store please support the skeptic

1381

00:57:09,010 --> 00:57:05,860

zone by following us on twitter at

1382

00:57:12,640 --> 00:57:09,020

skeptic zone liking us on facebook and

1383

00:57:14,830 --> 00:57:12,650

leaving a review on iTunes you can also

1384

00:57:18,000 --> 00:57:14,840

show your support by subscribing via

1385

00:57:20,770 --> 00:57:18,010

paypal for as little as 99 cents a week

1386

00:57:22,420 --> 00:57:20,780

the skeptic zone is an independent

1387

00:57:24,850 --> 00:57:22,430

production the views and opinions

1388

00:57:26,920 --> 00:57:24,860

expressed on the skeptic zone and not