

**The Skeptic Zone**  
**Show 300 - 20 July 2014**



**Richard Saunders & Stefan Sojka**

1  
00:00:24,620 --> 00:00:02,929  
hello and welcome to the skeptics are an

2  
00:00:31,280 --> 00:00:27,780  
welcome to the skeptic zone the podcast

3  
00:00:35,100 --> 00:00:31,290  
from Australia for science and reason

4  
00:00:38,600 --> 00:00:35,110  
yuria hosts Richard Saunders and Stefan

5  
00:00:44,120 --> 00:00:42,050  
Richard just effort I cannot beat that

6  
00:00:46,130 --> 00:00:44,130  
that previously traduction it's a double

7  
00:00:48,830 --> 00:00:46,140  
whammy introduction I can't be there on

8  
00:00:52,060 --> 00:00:48,840  
scale and volume you can but I can match

9  
00:00:55,549 --> 00:00:52,070  
it on on emotion yes I am I'm

10  
00:00:58,790 --> 00:00:55,559  
overwhelmed I'm willing up I'm a

11  
00:01:02,360 --> 00:00:58,800  
wellspring of antigens well well well

12  
00:01:04,430 --> 00:01:02,370  
well well uh oh this 300th episode it's

13  
00:01:06,200 --> 00:01:04,440

hen you Melina now I can i really got

14

00:01:07,760 --> 00:01:06,210

and that thank you to the crowd at the

15

00:01:09,590 --> 00:01:07,770

amazing meeting in Las Vegas the

16

00:01:11,870 --> 00:01:09,600

skeptics guide to the universe i was

17

00:01:13,520 --> 00:01:11,880

doing their option oh and i said right

18

00:01:15,499 --> 00:01:13,530

i'm going to use this opportunity and i

19

00:01:17,090 --> 00:01:15,509

commandeer the oak the crowd from de la

20

00:01:19,700 --> 00:01:17,100

land they did applause they did laughter

21

00:01:21,260 --> 00:01:19,710

and they'd boos oh sorry i can sell that

22

00:01:23,900 --> 00:01:21,270

stuff like the sound effects sound

23

00:01:26,450 --> 00:01:23,910

effects library I could this is episode

24

00:01:29,930 --> 00:01:26,460

three hundred of the skipper oh yeah so

25

00:01:32,270 --> 00:01:29,940

the twentieth of July 2014 which is

26  
00:01:33,620 --> 00:01:32,280  
equate to almost six years in a couple

27  
00:01:35,330 --> 00:01:33,630  
of weeks it'll be six years but yeah

28  
00:01:37,580 --> 00:01:35,340  
because of the 52 weeks of the year and

29  
00:01:39,950 --> 00:01:37,590  
all that shows up 300 so you've actually

30  
00:01:42,050 --> 00:01:39,960  
been really doing it pretty much every

31  
00:01:44,000 --> 00:01:42,060  
single week for starters though since we

32  
00:01:47,120 --> 00:01:44,010  
started yeah have you have you sought

33  
00:01:49,820 --> 00:01:47,130  
professional help I did before I started

34  
00:01:52,130 --> 00:01:49,830  
but didn't do me any doing it did not do

35  
00:01:53,420 --> 00:01:52,140  
really good but you know what i was as

36  
00:01:54,859 --> 00:01:53,430  
you know i was just at the amazing

37  
00:01:58,219 --> 00:01:54,869  
meeting in las vegas and the number of

38  
00:01:59,780 --> 00:01:58,229

people could come up and find me and say

39

00:02:01,310 --> 00:01:59,790

thank you for doing the skeptic zone i

40

00:02:02,719 --> 00:02:01,320

listen to it when I'm jogging I listen

41

00:02:05,120 --> 00:02:02,729

to it when I'm doing the dishes or

42

00:02:07,789 --> 00:02:05,130

walking the dog or on the bus or on the

43

00:02:09,500 --> 00:02:07,799

train or this is really really nice

44

00:02:11,300 --> 00:02:09,510

robust performing some sort of community

45

00:02:13,070 --> 00:02:11,310

service I think we are having people

46

00:02:14,960 --> 00:02:13,080

company will be keeping people saying

47

00:02:17,479 --> 00:02:14,970

you know people listening to us right

48

00:02:19,100 --> 00:02:17,489

now on night shift how about night sure

49

00:02:20,960 --> 00:02:19,110

well I should workers you keep up the

50

00:02:24,289 --> 00:02:20,970

good work that's it quick justice keep

51  
00:02:25,550 --> 00:02:24,299  
listening it was no Stefan um as you

52  
00:02:26,630 --> 00:02:25,560  
know I go over to the states quite

53  
00:02:30,080 --> 00:02:26,640  
frequently and I brought you back a

54  
00:02:32,030 --> 00:02:30,090  
little present here we go look at that

55  
00:02:35,660 --> 00:02:32,040  
the Holy open anomaly cool these are

56  
00:02:38,660 --> 00:02:35,670  
called yeah good night 12 they're either

57  
00:02:41,120 --> 00:02:38,670  
called candy corn or corn candy hmm

58  
00:02:44,150 --> 00:02:41,130  
that's absolutely delicious you can't

59  
00:02:45,480 --> 00:02:44,160  
move you wanted to me didn't ya i tried

60  
00:02:47,790 --> 00:02:45,490  
this out album not

61  
00:02:49,350 --> 00:02:47,800  
now hooked on already no you wait upon

62  
00:02:51,120 --> 00:02:49,360  
the way they're pretty hard to find here

63  
00:02:54,210 --> 00:02:51,130

but in the states they're everywhere hmm

64

00:02:55,800 --> 00:02:54,220

big up boom yum big around halloween

65

00:02:57,930 --> 00:02:55,810

fact if you google it now i see you've

66

00:03:00,000 --> 00:02:57,940

got your computer open know what will

67

00:03:03,000 --> 00:03:00,010

make sure we got it right see your corn

68

00:03:05,490 --> 00:03:03,010

candy or candy corn hmm okay go on candy

69

00:03:10,230 --> 00:03:05,500

oh it's delicious and my nieces and

70

00:03:13,020 --> 00:03:10,240

nephews just love them like that Oh corn

71

00:03:16,010 --> 00:03:13,030

candy or candy corn or Kent candy corn

72

00:03:18,210 --> 00:03:16,020

candy-corn there is beautiful no no

73

00:03:22,080 --> 00:03:18,220

listeners might have heard my phone just

74

00:03:23,880 --> 00:03:22,090

go beat therefore the message that says

75

00:03:26,430 --> 00:03:23,890

I'm getting live feeds from bridge

76  
00:03:27,870 --> 00:03:26,440  
skeptical camp alright which is happening

77  
00:03:29,160 --> 00:03:27,880  
right now is we're recording the centers

78  
00:03:30,870 --> 00:03:29,170  
are going to create more material for

79  
00:03:33,570 --> 00:03:30,880  
the three hundred and first episode or

80  
00:03:35,340 --> 00:03:33,580  
even though 300 of our reporter Joe

81  
00:03:36,960 --> 00:03:35,350  
alabaster's on the city's own they're

82  
00:03:39,570 --> 00:03:36,970  
doing it live right out well she's there

83  
00:03:41,370 --> 00:03:39,580  
she's going to be reporting doing

84  
00:03:43,740 --> 00:03:41,380  
interviews for the skeptics own okay and

85  
00:03:45,720 --> 00:03:43,750  
we're going to try and get them from

86  
00:03:47,880 --> 00:03:45,730  
there to here which is pretty easy these

87  
00:03:50,040 --> 00:03:47,890  
days with trouble docks and things and

88  
00:03:51,660 --> 00:03:50,050

hopefully I'll be altering incorporate

89

00:03:53,100 --> 00:03:51,670

something from bruschetta camp on to the

90

00:03:55,980 --> 00:03:53,110

skeptic zone it's great to have a

91

00:03:58,140 --> 00:03:55,990

reporter there okay so this is joe

92

00:04:05,130 --> 00:03:58,150

alabaster i'm at brisbane skepta camp

93

00:04:13,240 --> 00:04:05,140

and we'd like to say on 300 episodes to

94

00:04:18,650 --> 00:04:17,210

you're almost a Time Lord because you

95

00:04:20,870 --> 00:04:18,660

will you're doing an introduction to a

96

00:04:23,210 --> 00:04:20,880

show yeah it hasn't even been produced

97

00:04:24,680 --> 00:04:23,220

yet been listening to it yes and they're

98

00:04:26,510 --> 00:04:24,690

going to be hearing stuff on the show

99

00:04:27,920 --> 00:04:26,520

yes that hasn't even been created yet

100

00:04:29,390 --> 00:04:27,930

but while they're listening to

101  
00:04:32,090 --> 00:04:29,400  
introducing and it's all happened

102  
00:04:34,969 --> 00:04:32,100  
already yes so what's your what's your

103  
00:04:37,969 --> 00:04:34,979  
question I'm sorry now the big news of

104  
00:04:40,219 --> 00:04:37,979  
course last year we had solar flare mmm

105  
00:04:42,830 --> 00:04:40,229  
skeptics own productions solar flare was

106  
00:04:45,379 --> 00:04:42,840  
a great lot of fun a lot um oh and again

107  
00:04:47,840 --> 00:04:45,389  
people wanted people at can one we're

108  
00:04:49,400 --> 00:04:47,850  
asking me what happens next I think what

109  
00:04:51,170 --> 00:04:49,410  
am i doing episode of do what is its

110  
00:04:53,530 --> 00:04:51,180  
what happened to the poor crew we gotta

111  
00:04:55,940 --> 00:04:53,540  
tear the universe a new universe we got

112  
00:04:57,950 --> 00:04:55,950  
so that the answer that is I don't know

113  
00:05:01,250 --> 00:04:57,960

I haven't written it yet I've got a few

114

00:05:02,240 --> 00:05:01,260

ideas this year of course one of my over

115

00:05:04,159 --> 00:05:02,250

the last few years one of my big

116

00:05:06,560 --> 00:05:04,169

projects was the vaccination chronicles

117

00:05:08,719 --> 00:05:06,570

yes the documentary right project and I

118

00:05:11,060 --> 00:05:08,729

launched it live at ten on the big stage

119

00:05:13,520 --> 00:05:11,070

ah during part of my talk I look I

120

00:05:16,969 --> 00:05:13,530

lurched my lord she lurched forward and

121

00:05:20,870 --> 00:05:16,979

watch this alleged launch the

122

00:05:23,210 --> 00:05:20,880

vaccination chronicles now my thanks to

123

00:05:24,800 --> 00:05:23,220

all the skeptics and listeners who a

124

00:05:27,200 --> 00:05:24,810

couple years back when I was starting to

125

00:05:29,719 --> 00:05:27,210

put this together mm-hmm I realized that

126

00:05:31,310 --> 00:05:29,729

I do I've done video editing fears as

127

00:05:34,520 --> 00:05:31,320

you know I've done something new I've

128

00:05:36,529 --> 00:05:34,530

done yeah but until recently of course

129

00:05:38,990 --> 00:05:36,539

it was all standard definition mmm

130

00:05:40,520 --> 00:05:39,000

world's moved on its right so I began to

131

00:05:42,050 --> 00:05:40,530

work on this project and realize that my

132

00:05:44,450 --> 00:05:42,060

standard definition software just

133

00:05:46,070 --> 00:05:44,460

couldn't cut it go high definition is

134

00:05:47,930 --> 00:05:46,080

right just tell you why what's to eat

135

00:05:49,700 --> 00:05:47,940

everything else that's right I've got a

136

00:05:51,920 --> 00:05:49,710

lovely standard definition camera but

137

00:05:53,270 --> 00:05:51,930

that's all technology huh so I put out a

138

00:05:56,540 --> 00:05:53,280

plea to skeptic John listeners and

139

00:06:00,140 --> 00:05:56,550

within a week enough people had sent me

140

00:06:02,180 --> 00:06:00,150

my donations donations to specifically

141

00:06:04,400 --> 00:06:02,190

for this to for me to buy their software

142

00:06:05,930 --> 00:06:04,410

I need it Oh Fantas fantastic and all

143

00:06:07,460 --> 00:06:05,940

those people get a mention in the

144

00:06:11,120 --> 00:06:07,470

credits at the end of the vaccination

145

00:06:15,560 --> 00:06:11,130

chronicles look here's my plea is that

146

00:06:17,960 --> 00:06:15,570

my request if listeners have a blog or

147

00:06:20,510 --> 00:06:17,970

they can tweet please tweet this

148

00:06:22,040 --> 00:06:20,520

documentary I think it's very important

149

00:06:22,500 --> 00:06:22,050

all about people's stories about the

150

00:06:24,210 --> 00:06:22,510

time be

151  
00:06:26,940 --> 00:06:24,220  
or vaccinations and the horrors they saw

152  
00:06:28,740 --> 00:06:26,950  
the reality of it the reality is and you

153  
00:06:30,630 --> 00:06:28,750  
just get a YouTube and then just just

154  
00:06:32,010 --> 00:06:30,640  
search for vaccination oh yeah this is

155  
00:06:33,450 --> 00:06:32,020  
the easiest thing to do in fact if you

156  
00:06:35,220 --> 00:06:33,460  
just go to google and type in the

157  
00:06:37,110 --> 00:06:35,230  
vaccination chronicles you get straight

158  
00:06:39,270 --> 00:06:37,120  
come up you look up straight away i'll

159  
00:06:42,180 --> 00:06:39,280  
put a link on the skeptics own page of

160  
00:06:43,680 --> 00:06:42,190  
course but if people can do that i would

161  
00:06:45,510 --> 00:06:43,690  
be really there i get confused with that

162  
00:06:47,040 --> 00:06:45,520  
i'll clint eastwood movie vaccination

163  
00:06:48,390 --> 00:06:47,050

chronicles laid in about nineteen

164

00:06:51,990 --> 00:06:48,400

seventy three didn't didn't do very well

165

00:06:53,970 --> 00:06:52,000

what's up is dirty harry see really

166

00:06:57,320 --> 00:06:53,980

tried it though they ran as a pretty bad

167

00:06:59,670 --> 00:06:57,330

script but they must be manu aliens are

168

00:07:01,680 --> 00:06:59,680

lots of standings with needles but yeah

169

00:07:03,570 --> 00:07:01,690

but i don't think you'll get confused if

170

00:07:05,250 --> 00:07:03,580

they both come up you'll know which one

171

00:07:08,940 --> 00:07:05,260

I'd leave listeners I think you'll

172

00:07:11,010 --> 00:07:08,950

understand certain Eastwood well just

173

00:07:12,960 --> 00:07:11,020

wondering if any other searchers

174

00:07:15,990 --> 00:07:12,970

woodcomb exhalation chronic why don't we

175

00:07:18,180 --> 00:07:16,000

give it a go on your giant screen here

176

00:07:19,740 --> 00:07:18,190

which takes up half the room in the very

177

00:07:21,540 --> 00:07:19,750

room we did the very first episode of

178

00:07:23,550 --> 00:07:21,550

the skeptic zone from my Myspace that's

179

00:07:25,140 --> 00:07:23,560

right it's office here where we're

180

00:07:28,860 --> 00:07:25,150

wasting our time here but here we're

181

00:07:30,630 --> 00:07:28,870

exiting chronicles we got okay the very

182

00:07:33,000 --> 00:07:30,640

first link of some sort of traffic and

183

00:07:34,830 --> 00:07:33,010

traffic travel advisory and a whole

184

00:07:36,930 --> 00:07:34,840

bunch of links to your stuff yeah right

185

00:07:38,880 --> 00:07:36,940

and the very first youtube line is

186

00:07:40,710 --> 00:07:38,890

vaccination chronically notice I

187

00:07:43,620 --> 00:07:40,720

including salinity and I was so pleased

188

00:07:46,530 --> 00:07:43,630

that our good friend dr. Cole Krzyzewski

189

00:07:48,720 --> 00:07:46,540

not only went there to town not only did

190

00:07:50,940 --> 00:07:48,730

he go to town which was fantastic and he

191

00:07:52,200 --> 00:07:50,950

was a big hit and people were running up

192

00:07:54,120 --> 00:07:52,210

and getting his autograph was really

193

00:07:55,560 --> 00:07:54,130

great but he also appears in the

194

00:07:57,930 --> 00:07:55,570

documentary the vaccination corner oh

195

00:07:59,970 --> 00:07:57,940

yeah yeah yeah which is really nice to

196

00:08:01,800 --> 00:07:59,980

me like he's a good man he's a good man

197

00:08:04,620 --> 00:08:01,810

i contacted me said of course I'll do it

198

00:08:06,360 --> 00:08:04,630

and so so listeners please as a plea

199

00:08:07,920 --> 00:08:06,370

from me if you enjoy the skeptic zone if

200

00:08:10,160 --> 00:08:07,930

we've kept you company over the last six

201  
00:08:13,110 --> 00:08:10,170  
years if you could do that because

202  
00:08:15,090 --> 00:08:13,120  
absolutely and then and I think even

203  
00:08:17,880 --> 00:08:15,100  
though we weren't quite old we're not

204  
00:08:20,520 --> 00:08:17,890  
quite old enough to have been possible

205  
00:08:22,920 --> 00:08:20,530  
been at high risk of polio when we were

206  
00:08:25,880 --> 00:08:22,930  
kids but I do remember having kids at my

207  
00:08:28,050 --> 00:08:25,890  
school in calipers yeah yeah I don't

208  
00:08:30,360 --> 00:08:28,060  
you've got a few years on me but I

209  
00:08:33,209 --> 00:08:30,370  
certainly when I you hear the people in

210  
00:08:35,690 --> 00:08:33,219  
this video yeah there anything on you

211  
00:08:37,400 --> 00:08:35,700  
yeah yeah yeah yeah it was scary

212  
00:08:39,080 --> 00:08:37,410  
and actually what are the guys in our

213  
00:08:42,770 --> 00:08:39,090

rotary club is about 90 something now

214

00:08:46,880 --> 00:08:42,780

his wife succumbed to polio and then he

215

00:08:49,070 --> 00:08:46,890

ended up he started the polio in polio

216

00:08:50,780 --> 00:08:49,080

now thing well rotary do a fantastic job

217

00:08:53,150 --> 00:08:50,790

well he chipped in a quarter of a

218

00:08:54,920 --> 00:08:53,160

million dollars of his own money to kick

219

00:08:56,600 --> 00:08:54,930

the program off and now Bill Gates is

220

00:08:58,250 --> 00:08:56,610

thrown in like yeah your hundred million

221

00:08:59,210 --> 00:08:58,260

and yeah so they're really go for but

222

00:09:01,640 --> 00:08:59,220

they're having a hard time because

223

00:09:03,950 --> 00:09:01,650

there's people you know who are that

224

00:09:08,090 --> 00:09:03,960

that's the that I guess it's that's the

225

00:09:10,670 --> 00:09:08,100

the dark side yeah of anti-vaccination

226

00:09:12,560 --> 00:09:10,680

is that it pervades through to the to

227

00:09:14,240 --> 00:09:12,570

the really ignorant areas where you're

228

00:09:17,600 --> 00:09:14,250

actually trying to do it where they can

229

00:09:19,820 --> 00:09:17,610

they can blame vaccinations on all kinds

230

00:09:21,680 --> 00:09:19,830

of things voodoo and witchcraft and and

231

00:09:24,020 --> 00:09:21,690

and and you know the spreading

232

00:09:26,990 --> 00:09:24,030

propaganda or you try you're actually

233

00:09:28,160 --> 00:09:27,000

put it's part of war yo yo is that is

234

00:09:30,650 --> 00:09:28,170

they think that putt that polio

235

00:09:34,010 --> 00:09:30,660

vaccinations there's a plot and illusion

236

00:09:36,170 --> 00:09:34,020

so it's it's that the more people get

237

00:09:39,380 --> 00:09:36,180

the sort of information in your video

238

00:09:40,700 --> 00:09:39,390

the better but anyway this is a it might

239

00:09:42,440 --> 00:09:40,710

be for episode three hundred that's

240

00:09:44,560 --> 00:09:42,450

still an episode we've still completely

241

00:09:47,090 --> 00:09:44,570

this intro is not going to go for every

242

00:09:48,830 --> 00:09:47,100

does a real content so let's do with

243

00:09:50,240 --> 00:09:48,840

that so coming up on this week's show of

244

00:09:51,680 --> 00:09:50,250

course we've got a week in science from

245

00:09:53,630 --> 00:09:51,690

the Royal Institution of Australia it

246

00:09:56,660 --> 00:09:53,640

was a very popular segment if we've got

247

00:09:58,730 --> 00:09:56,670

some clips from bridge skeptic app

248

00:10:01,070 --> 00:09:58,740

mm-hmm with Joe alabasta which is really

249

00:10:02,750 --> 00:10:01,080

fantastic and then also what I'm going

250

00:10:06,110 --> 00:10:02,760

to do is I'm going to play the audio

251  
00:10:07,760 --> 00:10:06,120  
from the documentary ah because the

252  
00:10:09,200 --> 00:10:07,770  
audio works just as well and then the

253  
00:10:12,320 --> 00:10:09,210  
message is you don't have to see

254  
00:10:13,940 --> 00:10:12,330  
anything not to do all that yeah he

255  
00:10:15,500 --> 00:10:13,950  
lives in a total stories and Thea see

256  
00:10:16,820 --> 00:10:15,510  
when you hear the audio you understand

257  
00:10:19,490 --> 00:10:16,830  
how important it is have a look at the

258  
00:10:21,950 --> 00:10:19,500  
video then and spread the word gotta

259  
00:10:23,990 --> 00:10:21,960  
love sides and if you're able to edit

260  
00:10:25,970 --> 00:10:24,000  
this introduction down to about a tenth

261  
00:10:27,890 --> 00:10:25,980  
of the actual length that we've made it

262  
00:10:31,190 --> 00:10:27,900  
by rambling on too much they might even

263  
00:10:34,070 --> 00:10:31,200

be a special 300th episode feature of

264

00:10:35,870 --> 00:10:34,080

dr. Stephanie dr. Stefan sorry buddy in

265

00:10:37,670 --> 00:10:35,880

fact i think this this way to seven

266

00:10:42,860 --> 00:10:37,680

Saiga i think he might be coming a river

267

00:10:44,690 --> 00:10:42,870

and holding his Reverend I used to like

268

00:10:46,880 --> 00:10:44,700

the old dad dr. Stefan soca with these

269

00:10:48,770 --> 00:10:46,890

marvelous cues and devices I think he

270

00:10:50,240 --> 00:10:48,780

may be back this this episode but we'll

271

00:10:52,220 --> 00:10:50,250

just have to wait and see just how he

272

00:10:55,400 --> 00:10:52,230

can edit this introduction down now i

273

00:10:56,960 --> 00:10:55,410

must say that i had such good intentions

274

00:10:58,520 --> 00:10:56,970

of the amazing meeting I was going to

275

00:11:00,830 --> 00:10:58,530

interview lots of people I did I

276

00:11:03,440 --> 00:11:00,840

interviewed some people but our folks I

277

00:11:04,910 --> 00:11:03,450

was so busy at the amazing meeting

278

00:11:06,290 --> 00:11:04,920

because i was helping with the

279

00:11:08,120 --> 00:11:06,300

million-dollar challenge that's why you

280

00:11:10,040 --> 00:11:08,130

and I did it and now I'm even busy

281

00:11:11,870 --> 00:11:10,050

writing the formal report on the whole

282

00:11:13,310 --> 00:11:11,880

event that took hours and hours and

283

00:11:15,170 --> 00:11:13,320

hours of each day and when I wasn't

284

00:11:17,540 --> 00:11:15,180

doing that I was also giving a workshop

285

00:11:21,590 --> 00:11:17,550

with dr. Cole personally I was giving my

286

00:11:23,360 --> 00:11:21,600

own talk mainstage talk yeah I did an

287

00:11:24,980 --> 00:11:23,370

episode of the skeptics on the spot and

288

00:11:27,380 --> 00:11:24,990

I launched the vaccination chronicles oh

289

00:11:31,280 --> 00:11:27,390

goodness and then in how many days was

290

00:11:32,750 --> 00:11:31,290

that oh and you still found time to hang

291

00:11:34,550 --> 00:11:32,760

out of the bar and I still found down

292

00:11:36,560 --> 00:11:34,560

there gonna buy but I just didn't get as

293

00:11:38,000 --> 00:11:36,570

many interviews at camp that I really

294

00:11:39,530 --> 00:11:38,010

hope they would get but you know what

295

00:11:41,030 --> 00:11:39,540

that's just I'll have to fly the whole

296

00:11:42,800 --> 00:11:41,040

team out next year oh I think you have

297

00:11:44,900 --> 00:11:42,810

to have to go beyond that one you'll be

298

00:11:47,000 --> 00:11:44,910

on that one trip it's it but I reckon

299

00:11:50,300 --> 00:11:47,010

you know what why we go outside and eat

300

00:11:52,430 --> 00:11:50,310

the rest of this candy corn mmm it's

301  
00:12:04,940 --> 00:11:52,440  
good it's just get on with it let's do

302  
00:12:09,810 --> 00:12:07,530  
this is Richard Saunders producer of the

303  
00:12:12,450 --> 00:12:09,820  
skeptical zone before we get further into

304  
00:12:15,840 --> 00:12:12,460  
the show I must say a special thanks to

305  
00:12:18,210 --> 00:12:15,850  
some people who have made this show

306  
00:12:20,070 --> 00:12:18,220  
possible over the years I must think all

307  
00:12:25,380 --> 00:12:20,080  
my reporters of course going right back

308  
00:12:28,470 --> 00:12:25,390  
six years but especially now it's time

309  
00:12:33,510 --> 00:12:28,480  
for dr. Rachel reports with dr. Rachel

310  
00:12:37,050 --> 00:12:33,520  
Dunlop dr. Rachel Dunlop who was with

311  
00:12:39,150 --> 00:12:37,060  
the show since episode one dr. Richie

312  
00:12:42,060 --> 00:12:39,160  
reports has been a major part of the

313  
00:12:44,370 --> 00:12:42,070

skeptic zone and dr. rachel has proven

314

00:12:47,010 --> 00:12:44,380

herself to be a major force for

315

00:12:52,980 --> 00:12:47,020

skeptical activism not only in Australia

316

00:12:59,010 --> 00:12:52,990

but around the world and also here's may

317

00:13:04,360 --> 00:13:01,300

main art who's been with the show now

318

00:13:06,940 --> 00:13:04,370

for many years doing tremendous work so

319

00:13:09,700 --> 00:13:06,950

many reports so many interviews and

320

00:13:12,280 --> 00:13:09,710

always a pleasure to work with thank you

321

00:13:22,830 --> 00:13:12,290

dr. H II thank you may not and thank you

322

00:13:34,249 --> 00:13:25,350

what we want is some more evidence

323

00:13:41,200 --> 00:13:38,070

hello this is Joe alabaster

324

00:13:43,540 --> 00:13:41,210

this is the afternoon after Brisbane

325

00:13:46,210 --> 00:13:43,550

skeptic app go to say we're all a little

326

00:13:48,820 --> 00:13:46,220

bit tired i'm here with ross stop to his

327

00:13:50,920 --> 00:13:48,830

president of brisbane skeptics society

328

00:13:52,870 --> 00:13:50,930

with Phil Kent who is the Secretary of

329

00:13:54,910 --> 00:13:52,880

Brisbane skeptics society and with

330

00:13:58,020 --> 00:13:54,920

Lauren Cochran who is the president of

331

00:14:00,970 --> 00:13:58,030

Canberra skeptics hello everyone I knew

332

00:14:03,490 --> 00:14:00,980

so all feeling a little bit tired

333

00:14:06,640 --> 00:14:03,500

admittedly after a fantastic long day

334

00:14:08,530 --> 00:14:06,650

yesterday it went really well I think do

335

00:14:09,790 --> 00:14:08,540

you know how many people we had come

336

00:14:11,920 --> 00:14:09,800

through the door for you had come

337

00:14:15,270 --> 00:14:11,930

through the door I think we got up to a

338

00:14:18,640 --> 00:14:15,280

hundred a long we just wrote the hundred

339

00:14:20,230 --> 00:14:18,650

fantastic and all I i think that the

340

00:14:23,680 --> 00:14:20,240

guys at Christmas skeptic society really

341

00:14:24,880 --> 00:14:23,690

deserve a massive round of applause from

342

00:14:27,100 --> 00:14:24,890

wherever you're listening to this

343

00:14:28,930 --> 00:14:27,110

podcast stand up and clap I don't care

344

00:14:32,170 --> 00:14:28,940

if you're on the bus but these guys they

345

00:14:34,930 --> 00:14:32,180

need to just be applauded it was really

346

00:14:37,170 --> 00:14:34,940

amazing um I wasn't quite sure what to

347

00:14:41,980 --> 00:14:37,180

expect this being my first skeptic amp

348

00:14:44,830 --> 00:14:41,990

but it ran just so smoothly every single

349

00:14:48,970 --> 00:14:44,840

talk frankly was both interesting and

350

00:14:50,830 --> 00:14:48,980

eloquent really engaging I found I was

351  
00:14:52,840 --> 00:14:50,840  
extremely impressed with the quality of

352  
00:14:54,910 --> 00:14:52,850  
all the speakers bearing in mind that a

353  
00:14:56,980 --> 00:14:54,920  
lot of them had never done that before

354  
00:14:59,140 --> 00:14:56,990  
if you know really gotta hand it to him

355  
00:15:02,320 --> 00:14:59,150  
to come up with something and present it

356  
00:15:03,760 --> 00:15:02,330  
so well yeah i was making of not having

357  
00:15:06,640 --> 00:15:03,770  
done it before I mean this was Brisbane

358  
00:15:09,370 --> 00:15:06,650  
skeptic society's first big event the

359  
00:15:11,590 --> 00:15:09,380  
skeptic camp and it came together I

360  
00:15:13,180 --> 00:15:11,600  
think incredibly well on the day how

361  
00:15:15,400 --> 00:15:13,190  
long were you guys working on this I

362  
00:15:17,590 --> 00:15:15,410  
think we've been mulling the idea over

363  
00:15:19,690 --> 00:15:17,600

food what nearly two years or something

364

00:15:21,970 --> 00:15:19,700

yeah and it's really come together maybe

365

00:15:23,530 --> 00:15:21,980

four or six months ago that the ball

366

00:15:26,440 --> 00:15:23,540

really started rolling I mean

367

00:15:29,260 --> 00:15:26,450

essentially what we did is we be booked

368

00:15:31,720 --> 00:15:29,270

a venue and that gave us a deadline and

369

00:15:33,220 --> 00:15:31,730

after that it you know we announced we

370

00:15:35,170 --> 00:15:33,230

announce it to everybody and then we

371

00:15:37,540 --> 00:15:35,180

knew we had to get it done and yep

372

00:15:39,730 --> 00:15:37,550

countless selecting out countless

373

00:15:43,180 --> 00:15:39,740

skeptics in the pub meetings later and

374

00:15:45,070 --> 00:15:43,190

if you know brainstorming ideas and it

375

00:15:48,670 --> 00:15:45,080

all came together really

376

00:15:51,430 --> 00:15:48,680

she's anything yes you how long has this

377

00:15:52,600 --> 00:15:51,440

been skeptical society been going for

378

00:15:54,280 --> 00:15:52,610

because I understand that you've got a

379

00:15:59,830 --> 00:15:54,290

couple of groups up here now in Brisbane

380

00:16:02,350 --> 00:15:59,840

I think officially a month we're very

381

00:16:05,350 --> 00:16:02,360

very new the Brisbane skeptics society

382

00:16:07,750 --> 00:16:05,360

yeah it just seemed right for us didn't

383

00:16:10,720 --> 00:16:07,760

it to just sort of start out our own

384

00:16:14,410 --> 00:16:10,730

group and we've been doing it informal

385

00:16:17,470 --> 00:16:14,420

skeptics in the pub for least a couple

386

00:16:20,680 --> 00:16:17,480

of years and what not is that on that's

387

00:16:23,380 --> 00:16:20,690

the first Tuesday of every month mm-hm

388

00:16:25,420 --> 00:16:23,390

the player will at southbank me near the

389

00:16:29,140 --> 00:16:25,430

city we've also started a new one at

390

00:16:33,480 --> 00:16:29,150

chermside which is on the north side the

391

00:16:36,610 --> 00:16:33,490

third wednesday of every month know that

392

00:16:40,300 --> 00:16:36,620

excellent so two events per month at the

393

00:16:43,180 --> 00:16:40,310

moment and skeptic app yes we're hoping

394

00:16:46,180 --> 00:16:43,190

to do more more we have we have some

395

00:16:48,610 --> 00:16:46,190

plans on the on the horizon for more

396

00:16:50,680 --> 00:16:48,620

more best-kept achill content for the

397

00:16:52,480 --> 00:16:50,690

Brisbane community and and this is to

398

00:16:54,070 --> 00:16:52,490

augment as well the key skeptics you

399

00:16:56,560 --> 00:16:54,080

meet on the last monday of every month

400

00:16:58,690 --> 00:16:56,570

like where are they that the the red

401  
00:17:01,540 --> 00:16:58,700  
brick hotel opick yes they usually have

402  
00:17:03,070 --> 00:17:01,550  
a really interesting speaker and you

403  
00:17:05,410 --> 00:17:03,080  
tend to get speakers in already see us

404  
00:17:07,180 --> 00:17:05,420  
more an informal chat and at the moment

405  
00:17:09,730 --> 00:17:07,190  
we're we're much more informal about to

406  
00:17:12,880 --> 00:17:09,740  
sit around and just chinwag and the

407  
00:17:14,860 --> 00:17:12,890  
topics are amazingly varied not always

408  
00:17:17,590 --> 00:17:14,870  
skeptical but always interesting yeah

409  
00:17:19,840 --> 00:17:17,600  
for sure excellent talking about varied

410  
00:17:23,520 --> 00:17:19,850  
topics and that was the smoothest segue

411  
00:17:26,380 --> 00:17:23,530  
in the history of podcasting I'm sure um

412  
00:17:29,320 --> 00:17:26,390  
though 14 talks yesterday at Brisbane

413  
00:17:32,700 --> 00:17:29,330

skeptical camp and there's a fairly wide

414

00:17:36,070 --> 00:17:32,710

range of different topics covered we had

415

00:17:39,940 --> 00:17:36,080

swordsmanship we had the placebo effect

416

00:17:43,930 --> 00:17:39,950

we had why people believe non-scientific

417

00:17:46,200 --> 00:17:43,940

claims um we had chris stevenson talking

418

00:17:49,210 --> 00:17:46,210

about skeptical weight loss methods

419

00:17:52,510 --> 00:17:49,220

which i'm assuming don't involve taking

420

00:17:54,460 --> 00:17:52,520

census limb and we also had parenting

421

00:17:57,070 --> 00:17:54,470

skeptically and the lauren here

422

00:17:58,970 --> 00:17:57,080

presented that one yes now that was a

423

00:18:01,700 --> 00:17:58,980

definitely an interesting topic as

424

00:18:03,380 --> 00:18:01,710

said in my talk yesterday it's it's been

425

00:18:05,150 --> 00:18:03,390

three years since i first fell pregnant

426

00:18:07,430 --> 00:18:05,160

and just the last three years

427

00:18:10,730 --> 00:18:07,440

particularly it's just amazing how much

428

00:18:13,880 --> 00:18:10,740

crap parents are yet acted to it really

429

00:18:15,770 --> 00:18:13,890

is I mean I've also spoken about this

430

00:18:17,750 --> 00:18:15,780

and strangely enough Lauren and I

431

00:18:19,520 --> 00:18:17,760

managed to have barely any crossover and

432

00:18:22,940 --> 00:18:19,530

what we spoke about there's that much of

433

00:18:25,490 --> 00:18:22,950

it 20 minutes each and and we've got a

434

00:18:28,130 --> 00:18:25,500

lot more lined up as well we do we want

435

00:18:29,630 --> 00:18:28,140

to do an announcement I I think we can I

436

00:18:36,260 --> 00:18:29,640

mentioned yesterday at the end of our

437

00:18:40,930 --> 00:18:36,270

talk that might all yours me and all my

438

00:18:43,760 --> 00:18:40,940

multiple personality onstage no I Joe

439

00:18:47,150 --> 00:18:43,770

myself at ellison Gaylord Heidi

440

00:18:49,640 --> 00:18:47,160

Robertson cat steel and Shelley stockin

441

00:18:51,350 --> 00:18:49,650

are going to be writing a book called

442

00:18:53,270 --> 00:18:51,360

parenting skeptically or something

443

00:18:54,890 --> 00:18:53,280

similar we haven't started on a title

444

00:18:56,870 --> 00:18:54,900

yet but it's basically going to be

445

00:18:58,270 --> 00:18:56,880

having a look at all the pseudoscience

446

00:19:00,590 --> 00:18:58,280

and old wives tales surrounding

447

00:19:03,710 --> 00:19:00,600

pregnancy & parenting and hopefully

448

00:19:06,890 --> 00:19:03,720

giving new mums and dads a bit of a

449

00:19:08,780 --> 00:19:06,900

handy guide to evaluating dodgy claims

450

00:19:11,180 --> 00:19:08,790

and you know it's I think it's really

451

00:19:14,510 --> 00:19:11,190

really critical for people raising kids

452

00:19:15,830 --> 00:19:14,520

to be aware that there is so much dodgy

453

00:19:17,750 --> 00:19:15,840

claims and [h\_\_h] up there that they

454

00:19:20,360 --> 00:19:17,760

need to be well yeah i agree i mean

455

00:19:23,900 --> 00:19:20,370

we've had discussions in the past about

456

00:19:25,240 --> 00:19:23,910

a lot of books you know along the lines

457

00:19:29,299 --> 00:19:25,250

of what to expect when you're expecting

458

00:19:30,799 --> 00:19:29,309

etc just there are some doggy things in

459

00:19:32,600 --> 00:19:30,809

there and there's a sort of the gold

460

00:19:34,700 --> 00:19:32,610

standard that's not looking at sort of

461

00:19:38,380 --> 00:19:34,710

alternative kind of ideas or anything

462

00:19:41,630 --> 00:19:38,390

but the mainstream books not necessarily

463

00:19:44,150 --> 00:19:41,640

advice you'd want to follow but there

464

00:19:46,010 --> 00:19:44,160

were so many great talks yesterday and

465

00:19:48,020 --> 00:19:46,020

it's all you know all credits for these

466

00:19:51,320 --> 00:19:48,030

guys for the fantastic curation that

467

00:19:52,669 --> 00:19:51,330

made him beforehand I just hadn't good

468

00:19:54,409 --> 00:19:52,679

to hear a couple of people like Loretta

469

00:19:57,169 --> 00:19:54,419

Marin and Chris Stevenson and of course

470

00:19:58,580 --> 00:19:57,179

have you know lots of public speaking

471

00:20:02,210 --> 00:19:58,590

experience particularly at these sort of

472

00:20:03,980 --> 00:20:02,220

skeptical and even atheists events and

473

00:20:06,950 --> 00:20:03,990

then even just to have you know new

474

00:20:08,710 --> 00:20:06,960

speakers like myself and Allison Allison

475

00:20:10,590 --> 00:20:08,720

gala yes you know

476  
00:20:14,950 --> 00:20:10,600  
from the Northern Rivers vaccination

477  
00:20:17,169 --> 00:20:14,960  
supporters sorry I was staring at an

478  
00:20:19,029 --> 00:20:17,179  
Ibis there are 0 vs we're sitting in a

479  
00:20:21,070 --> 00:20:19,039  
park here in the botanical gardens in

480  
00:20:23,740 --> 00:20:21,080  
Brisbane at the moment I was staring at

481  
00:20:27,460 --> 00:20:23,750  
an Ibis Northern Rivers vaccination

482  
00:20:30,750 --> 00:20:27,470  
supporters um she gave an absolutely

483  
00:20:33,490 --> 00:20:30,760  
wonderful talk I'm going to admit here i

484  
00:20:37,210 --> 00:20:33,500  
teed up a little bit um she was

485  
00:20:40,090 --> 00:20:37,220  
discussing what it is what it's like for

486  
00:20:44,020 --> 00:20:40,100  
her living in an area with incredibly

487  
00:20:46,510 --> 00:20:44,030  
low vaccination rates and a lot of

488  
00:20:50,200 --> 00:20:46,520

anti-vaccination sort of people in her

489

00:20:52,330 --> 00:20:50,210

community and the fact that her

490

00:20:54,100 --> 00:20:52,340

daughter's contracted whooping cough

491

00:20:57,970 --> 00:20:54,110

although they are immunized herd

492

00:21:00,070 --> 00:20:57,980

immunity being very low in the area they

493

00:21:02,950 --> 00:21:00,080

copped it she copped it and that

494

00:21:05,940 --> 00:21:02,960

experience when you're hearing that from

495

00:21:10,990 --> 00:21:05,950

somebody who's had at first hand is

496

00:21:14,350 --> 00:21:11,000

actually quite confronting she did a

497

00:21:15,490 --> 00:21:14,360

wonderful job and also made me laugh a

498

00:21:19,330 --> 00:21:15,500

couple of times which is always

499

00:21:23,169 --> 00:21:19,340

wonderful we also had on Heidi Wyatt who

500

00:21:26,020 --> 00:21:23,179

was discussing chiropractors and I

501  
00:21:28,289 --> 00:21:26,030  
wasn't quite aware of how much of a

502  
00:21:31,149 --> 00:21:28,299  
lifestyle kind of involvement is in

503  
00:21:32,770 --> 00:21:31,159  
chiropractic practice it was very

504  
00:21:35,080 --> 00:21:32,780  
surprising wasn't it and it was

505  
00:21:37,149 --> 00:21:35,090  
extremely interesting to get the inside

506  
00:21:40,120 --> 00:21:37,159  
scoop so to speak from someone on on the

507  
00:21:42,490 --> 00:21:40,130  
other side who actually has this very

508  
00:21:44,110 --> 00:21:42,500  
personal experience yeah you know with

509  
00:21:46,990 --> 00:21:44,120  
this kind of thing and it just shows you

510  
00:21:49,720 --> 00:21:47,000  
you know from her talk how these kind of

511  
00:21:52,360 --> 00:21:49,730  
alternative modalities they they lock

512  
00:21:54,130 --> 00:21:52,370  
you in you know by making it a large

513  
00:21:55,419 --> 00:21:54,140

dollar I'm sure it's all part of the

514

00:21:57,580 --> 00:21:55,429

business plan that they have yes

515

00:22:00,909 --> 00:21:57,590

certainly and just hearing about that

516

00:22:03,549 --> 00:22:00,919

annual treatment package that they

517

00:22:05,740 --> 00:22:03,559

offered yes paying in advance for a

518

00:22:07,870 --> 00:22:05,750

year's worth of chiropractic treatment

519

00:22:10,230 --> 00:22:07,880

which meant you get sort of i think it

520

00:22:14,200 --> 00:22:10,240

was a weekly or bi-weekly adjustment and

521

00:22:16,330 --> 00:22:14,210

then as you go if something happens to

522

00:22:18,490 --> 00:22:16,340

you say you tripped down the stairs or

523

00:22:22,120 --> 00:22:18,500

something such you can go in and have

524

00:22:22,450 --> 00:22:22,130

that adjustment and they keep ya return

525

00:22:26,620 --> 00:22:22,460

to

526

00:22:30,630 --> 00:22:26,630

wasn't quite aware that it was that

527

00:22:35,290 --> 00:22:30,640

involved but Heidi was telling us this

528

00:22:39,190 --> 00:22:35,300

because her experience prior to I guess

529

00:22:43,570 --> 00:22:39,200

getting involved in well being skeptical

530

00:22:45,820 --> 00:22:43,580

of chiropractic ideas she was actually a

531

00:22:47,740 --> 00:22:45,830

chiropractor's assistant and I frankly

532

00:22:50,770 --> 00:22:47,750

really appreciate that people are

533

00:22:54,340 --> 00:22:50,780

willing to talk about things from their

534

00:22:58,450 --> 00:22:54,350

past that aren't necessarily things that

535

00:23:01,240 --> 00:22:58,460

sort of our skeptics where I know down

536

00:23:03,850 --> 00:23:01,250

with I guess I was very impressed that a

537

00:23:06,310 --> 00:23:03,860

lot of people there were sharing their

538

00:23:07,840 --> 00:23:06,320

sort of war stories I think of the sort

539

00:23:10,300 --> 00:23:07,850

of the previous life you know and yeah

540

00:23:11,560 --> 00:23:10,310

and then the other side or that sort of

541

00:23:12,970 --> 00:23:11,570

you know that the woo communicate

542

00:23:16,150 --> 00:23:12,980

community if you want to put it that way

543

00:23:17,860 --> 00:23:16,160

and it especially to a group of skeptics

544

00:23:20,950 --> 00:23:17,870

you to be able to admit that I think is

545

00:23:22,510 --> 00:23:20,960

very useful as a group to to understand

546

00:23:23,950 --> 00:23:22,520

those experiences because if we don't

547

00:23:26,440 --> 00:23:23,960

understand then we're never going to me

548

00:23:28,630 --> 00:23:26,450

out to fight effectively against it

549

00:23:31,120 --> 00:23:28,640

absolutely and also another thing I

550

00:23:34,000 --> 00:23:31,130

appreciated was on Loretta more on from

551  
00:23:36,850 --> 00:23:34,010  
the Friends of science in medicine was

552  
00:23:39,610 --> 00:23:36,860  
talking to us about friends of science

553  
00:23:42,880 --> 00:23:39,620  
in medicine and she mentioned a couple

554  
00:23:44,590 --> 00:23:42,890  
of times that not necessarily everybody

555  
00:23:46,810 --> 00:23:44,600  
who is not heard of medicine

556  
00:23:48,940 --> 00:23:46,820  
practitioner is either out to fool

557  
00:23:51,160 --> 00:23:48,950  
people or out to harm people are out to

558  
00:23:54,780 --> 00:23:51,170  
take their money and I think that that's

559  
00:23:59,020 --> 00:23:54,790  
incredibly important to keep in mind

560  
00:24:01,060 --> 00:23:59,030  
it's easy to view people as sort of have

561  
00:24:03,610 --> 00:24:01,070  
a very cynical outlook on some

562  
00:24:04,990 --> 00:24:03,620  
practitioners perhaps thinking that you

563  
00:24:09,640 --> 00:24:05,000

know there are two common people or take

564

00:24:11,830 --> 00:24:09,650

their money etc but generally I think it

565

00:24:13,240 --> 00:24:11,840

might be handy to keep give people the

566

00:24:15,970 --> 00:24:13,250

benefit of the doubt and think okay

567

00:24:18,070 --> 00:24:15,980

we'll they've fallen for this to whether

568

00:24:19,540 --> 00:24:18,080

they have a responsibility to understand

569

00:24:22,150 --> 00:24:19,550

that it's not necessarily something

570

00:24:25,360 --> 00:24:22,160

that's evidence based or not is another

571

00:24:27,460 --> 00:24:25,370

story but generally people do tend to

572

00:24:29,890 --> 00:24:27,470

have good intentions I think I might

573

00:24:31,810 --> 00:24:29,900

just be a bit optimistic I imagine that

574

00:24:33,760 --> 00:24:31,820

customers or patients are not sure

575

00:24:35,500 --> 00:24:33,770

whether they refer to them as either um

576

00:24:38,620 --> 00:24:35,510

Warren would quite

577

00:24:39,700 --> 00:24:38,630

ants may feel quite obliged to keep

578

00:24:41,140 --> 00:24:39,710

going throughout the year because

579

00:24:43,420 --> 00:24:41,150

they've already paid for it and they're

580

00:24:47,440 --> 00:24:43,430

making more of an emotional investment

581

00:24:48,580 --> 00:24:47,450

in the treatment because of that so

582

00:24:51,580 --> 00:24:48,590

they're more likely to make another

583

00:24:54,400 --> 00:24:51,590

financial investment i'm not sure you're

584

00:24:57,070 --> 00:24:54,410

emotionally and financially invested in

585

00:24:59,980 --> 00:24:57,080

this enterprise mmm when it comes time

586

00:25:04,480 --> 00:24:59,990

to renew all it was also interesting

587

00:25:06,300 --> 00:25:04,490

Heidi was discussing um basically how

588

00:25:10,150 --> 00:25:06,310

she had a bit of a turn around and

589

00:25:13,090 --> 00:25:10,160

stopped believing in subluxation theory

590

00:25:14,650 --> 00:25:13,100

and started doubting the idea of

591

00:25:17,500 --> 00:25:14,660

chiropractic and I find this story is

592

00:25:20,740 --> 00:25:17,510

absolutely fascinating I because I spent

593

00:25:24,100 --> 00:25:20,750

a lot of time wondering how we can

594

00:25:26,410 --> 00:25:24,110

approach people talk to people and sort

595

00:25:28,960 --> 00:25:26,420

of very gently challenge their beliefs

596

00:25:31,600 --> 00:25:28,970

that aren't necessarily evidence-based

597

00:25:32,860 --> 00:25:31,610

without putting them off side I mean

598

00:25:35,560 --> 00:25:32,870

you're always going to polarize some

599

00:25:37,630 --> 00:25:35,570

people and push them away by suggesting

600

00:25:40,960 --> 00:25:37,640

that what they have invested in isn't

601  
00:25:43,360 --> 00:25:40,970  
necessarily real wood you know

602  
00:25:46,090 --> 00:25:43,370  
evidence-based but it was a very good

603  
00:25:47,530 --> 00:25:46,100  
portion Airy tale about almost how not

604  
00:25:49,750 --> 00:25:47,540  
to approach it I mean she was very

605  
00:25:52,300 --> 00:25:49,760  
specific in saying her husband I believe

606  
00:25:54,340 --> 00:25:52,310  
is the one who yet had been skeptical I

607  
00:25:57,060 --> 00:25:54,350  
think for the entirety of her

608  
00:25:59,620 --> 00:25:57,070  
involvement and she said if he had been

609  
00:26:01,260 --> 00:25:59,630  
confronting and a bit more aggressive

610  
00:26:03,610 --> 00:26:01,270  
about it she probably would have never

611  
00:26:06,370 --> 00:26:03,620  
got to the position she is today and it

612  
00:26:09,250 --> 00:26:06,380  
was through gentle sort of persistence

613  
00:26:10,690 --> 00:26:09,260

really and you know I ever said this all

614

00:26:13,660 --> 00:26:10,700

the time don't he's planting the seed

615

00:26:15,850 --> 00:26:13,670

yeah and eventually it's bound to grow

616

00:26:19,150 --> 00:26:15,860

even if it's only in one in every ten

617

00:26:21,820 --> 00:26:19,160

people we talked to me yeah I found that

618

00:26:23,470 --> 00:26:21,830

valuable in John cooks talk how he was

619

00:26:26,530 --> 00:26:23,480

talking out that the ways that people

620

00:26:28,840 --> 00:26:26,540

can have science communicated to them in

621

00:26:34,330 --> 00:26:28,850

a what was the analogy he was using

622

00:26:36,820 --> 00:26:34,340

vitamins and his ideas on sticky you

623

00:26:40,120 --> 00:26:36,830

know sticky information estd science was

624

00:26:43,150 --> 00:26:40,130

I think very valuable to for the

625

00:26:46,390 --> 00:26:43,160

skeptics to take note on because he's

626  
00:26:48,810 --> 00:26:46,400  
very good at presenting information in a

627  
00:26:50,850 --> 00:26:48,820  
way which is very media friendly and

628  
00:26:52,289 --> 00:26:50,860  
is very general public friendly and we

629  
00:26:53,850 --> 00:26:52,299  
could definitely learn a few lessons

630  
00:26:56,580 --> 00:26:53,860  
from the way he's dealing with climate

631  
00:27:00,299 --> 00:26:56,590  
change denial in other aspects of things

632  
00:27:02,460 --> 00:27:00,309  
that were tackling and so I understand

633  
00:27:04,139 --> 00:27:02,470  
that the talks we've just been

634  
00:27:06,269 --> 00:27:04,149  
discussing here are they going to be

635  
00:27:08,159 --> 00:27:06,279  
available online for people to listen to

636  
00:27:10,769 --> 00:27:08,169  
a watch they're certainly going to be

637  
00:27:13,289 --> 00:27:10,779  
available through time we did our best

638  
00:27:15,539 --> 00:27:13,299

to make good audio and video recordings

639

00:27:16,950 --> 00:27:15,549

of the event so that anyone who didn't

640

00:27:18,269 --> 00:27:16,960

attend can still benefit from the

641

00:27:21,570 --> 00:27:18,279

information that was presented and

642

00:27:25,740 --> 00:27:21,580

they'll be going out on bridge skeptic a

643

00:27:26,820 --> 00:27:25,750

morgue over time fantastic and is the

644

00:27:28,980 --> 00:27:26,830

facebook page still going to be

645

00:27:31,200 --> 00:27:28,990

operational all people can follow or

646

00:27:33,509 --> 00:27:31,210

there's Twitter as well oh definitely

647

00:27:36,180 --> 00:27:33,519

yeah yes we're definitely planning on a

648

00:27:38,970 --> 00:27:36,190

another event so watch the brisket

649

00:27:41,249 --> 00:27:38,980

decamp facebook page and prefer for more

650

00:27:44,639 --> 00:27:41,259

information thank you very much for

651

00:27:47,310 --> 00:27:44,649

joining me is oh it was a fantastic day

652

00:27:50,159 --> 00:27:47,320

yesterday it was a long day yesterday I

653

00:27:52,529 --> 00:27:50,169

wish it wasn't over but simultaneously I

654

00:27:57,299 --> 00:27:52,539

think I need to go and lie down for a

655

00:28:05,510 --> 00:27:57,309

bit now um Ross bill lon thank you thank

656

00:28:13,220 --> 00:28:09,480

hey Kenny oh hi Tom I save this park

657

00:28:15,630 --> 00:28:13,230

yeah yes great weather oh look a unicorn

658

00:28:18,810 --> 00:28:15,640

unicorn there are no such things as

659

00:28:21,000 --> 00:28:18,820

unicorns silly yes there is no there

660

00:28:24,120 --> 00:28:21,010

isn't hey guys what are you arguing

661

00:28:26,370 --> 00:28:24,130

about tom thinks unicorns are real hey

662

00:28:29,370 --> 00:28:26,380

so are let's look this up in the

663

00:28:31,140 --> 00:28:29,380

skeptics dictionary the what how can we

664

00:28:32,820 --> 00:28:31,150

do this in this park there is the

665

00:28:34,530 --> 00:28:32,830

computer here you guys probably don't

666

00:28:37,590 --> 00:28:34,540

know about the skeptics dictionary app

667

00:28:41,520 --> 00:28:37,600

available now for iPhone iPad and iPod

668

00:28:43,080 --> 00:28:41,530

touch in the app store Wow cool the app

669

00:28:45,300 --> 00:28:43,090

lets you access all of the great

670

00:28:47,880 --> 00:28:45,310

skeptics dictionary articles when you're

671

00:28:50,580 --> 00:28:47,890

on the go here let me look up unicorns

672

00:28:53,130 --> 00:28:50,590

down cool Kenny prepare to be proven

673

00:28:57,270 --> 00:28:53,140

wrong it says here the Unicorn is a

674

00:28:58,530 --> 00:28:57,280

creature from fables aha actually I see

675

00:29:01,140 --> 00:28:58,540

now that someone just dumped their ice

676  
00:29:04,840 --> 00:29:01,150  
cream cone on that horse's head thanks

677  
00:29:07,870 --> 00:29:04,850  
skeptics dictionary iphone app

678  
00:29:10,360 --> 00:29:07,880  
hi I'm Reverend Stephan sojka from the

679  
00:29:12,640 --> 00:29:10,370  
charismatic church of our Lord Jesus the

680  
00:29:15,100 --> 00:29:12,650  
martyred lamb hamburger joint and chapel

681  
00:29:17,620 --> 00:29:15,110  
beside the CDG Newcastle freeway I've

682  
00:29:19,300 --> 00:29:17,630  
been asked by Jesus and by living

683  
00:29:21,010 --> 00:29:19,310  
ministry software and Investment

684  
00:29:23,920 --> 00:29:21,020  
Corporation to speak to you today about

685  
00:29:25,900 --> 00:29:23,930  
our Lord praise be to Jesus we've all

686  
00:29:28,300 --> 00:29:25,910  
heard of the face of Jesus being found

687  
00:29:30,940 --> 00:29:28,310  
in a piece of toast a sheet or soiled

688  
00:29:33,010 --> 00:29:30,950

nappy we'll get ready because Jesus is

689

00:29:35,470 --> 00:29:33,020

going to start being seen everywhere

690

00:29:37,570 --> 00:29:35,480

introducing living ministry software and

691

00:29:40,210 --> 00:29:37,580

investment corporations Jesus face

692

00:29:42,220 --> 00:29:40,220

recognition software version 1.2 beta

693

00:29:44,140 --> 00:29:42,230

Lord be praised through a state

694

00:29:46,090 --> 00:29:44,150

government software development grant I

695

00:29:47,830 --> 00:29:46,100

applied for and wrote myself into the

696

00:29:49,840 --> 00:29:47,840

proposal for healthy consulting fee

697

00:29:51,250 --> 00:29:49,850

living ministry software and Investment

698

00:29:54,190 --> 00:29:51,260

Corporation have created the ultimate

699

00:29:56,440 --> 00:29:54,200

way to recognize Jesus face in anything

700

00:29:58,630 --> 00:29:56,450

Jesus face recognition software version

701

00:30:00,670 --> 00:29:58,640

1.2 beta at only eight hundred ninety

702

00:30:03,310 --> 00:30:00,680

nine euros connects directly to Eddie

703

00:30:04,900 --> 00:30:03,320

camera or scanner via USB once you have

704

00:30:06,880 --> 00:30:04,910

manually installed and configured the

705

00:30:09,370 --> 00:30:06,890

unrecognized non-compliant drivers and

706

00:30:11,830 --> 00:30:09,380

can browse any computer image library of

707

00:30:13,750 --> 00:30:11,840

unlimited size detect and spurious lee

708

00:30:15,610 --> 00:30:13,760

interpolate literally millions of

709

00:30:17,590 --> 00:30:15,620

instances of Jesus face within your

710

00:30:19,510 --> 00:30:17,600

photo collection we have developed an

711

00:30:22,360 --> 00:30:19,520

algorithm praise Jesus that looks for

712

00:30:24,430 --> 00:30:22,370

lines points shapes colors and shadings

713

00:30:26,320 --> 00:30:24,440

that might even remotely correspond

714

00:30:28,690 --> 00:30:26,330

across a huge spectrum of tentative

715

00:30:30,430 --> 00:30:28,700

partial or longbow geometric and

716

00:30:33,370 --> 00:30:30,440

biometric matches to its built-in

717

00:30:35,560 --> 00:30:33,380

database of 700 million different images

718

00:30:38,170 --> 00:30:35,570

of Jesus right click saved from google

719

00:30:40,360 --> 00:30:38,180

images your files are then superimposed

720

00:30:42,340 --> 00:30:40,370

with the matching Jesus face image ready

721

00:30:44,680 --> 00:30:42,350

to print out instantly and send your

722

00:30:46,840 --> 00:30:44,690

local newspaper never again do you need

723

00:30:48,640 --> 00:30:46,850

to rely on your own brains primitive

724

00:30:50,890 --> 00:30:48,650

pattern recognition faculties to see

725

00:30:52,840 --> 00:30:50,900

Jesus on the toilet wall now you can

726

00:30:54,880 --> 00:30:52,850

snap that photo with your iPhone and

727

00:30:56,440 --> 00:30:54,890

harness the power of living ministry

728

00:30:58,000 --> 00:30:56,450

software and investment corporations

729

00:31:00,390 --> 00:30:58,010

state-of-the-art facial recognition

730

00:31:02,640 --> 00:31:00,400

algorithms to find him how

731

00:31:05,280 --> 00:31:02,650

Jesus face recognition software version

732

00:31:07,440 --> 00:31:05,290

1.2 beta is so powerful it can pick out

733

00:31:09,900 --> 00:31:07,450

an image of Christ with the same or even

734

00:31:12,180 --> 00:31:09,910

better accuracy than an astrologer if

735

00:31:14,670 --> 00:31:12,190

you thought tracing the my new detail of

736

00:31:16,770 --> 00:31:14,680

scorpions exoskeleton out of 18 points

737

00:31:18,840 --> 00:31:16,780

of light in the sky was amazing just try

738

00:31:20,880 --> 00:31:18,850

feeding your own wedding photos into our

739

00:31:22,860 --> 00:31:20,890

software application Jesus will be

740

00:31:24,750 --> 00:31:22,870

revealed in the entrée the red wine

741

00:31:27,090 --> 00:31:24,760

stains on the tablecloth and you might

742

00:31:29,280 --> 00:31:27,100

even find Jesus face is an exact match

743

00:31:31,050 --> 00:31:29,290

overlay on the celebrant yours Truly's

744

00:31:33,150 --> 00:31:31,060

face since I did get one of those

745

00:31:35,220 --> 00:31:33,160

caricature artists at the local markets

746

00:31:36,990 --> 00:31:35,230

to draw me looking a bit like Jesus with

747

00:31:38,910 --> 00:31:37,000

a halo and crown of thorns a few months

748

00:31:41,130 --> 00:31:38,920

back and uploaded the image to Flickr

749

00:31:44,130 --> 00:31:41,140

Picasa Pinterest and Instagram and my

750

00:31:45,960 --> 00:31:44,140

own web page naming it Jesus face.jpg to

751  
00:31:47,820 --> 00:31:45,970  
ensure Google would pick it up if you

752  
00:31:50,040 --> 00:31:47,830  
order now we'll throw in for free our

753  
00:31:52,980 --> 00:31:50,050  
full set of expansion packs the baby

754  
00:31:55,500 --> 00:31:52,990  
Jesus mother Mary Moses and yes even God

755  
00:31:57,630 --> 00:31:55,510  
Himself and coming soon Jesus face

756  
00:31:59,430 --> 00:31:57,640  
recognition software version two where

757  
00:32:01,860 --> 00:31:59,440  
we plug it into a pair of wearable

758  
00:32:04,440 --> 00:32:01,870  
goggles so you can live your entire life

759  
00:32:06,600 --> 00:32:04,450  
bombarded by images of Jesus overlaid

760  
00:32:08,760 --> 00:32:06,610  
onto your augmented reality in this

761  
00:32:10,770 --> 00:32:08,770  
version we will also be adding the Satan

762  
00:32:12,990 --> 00:32:10,780  
expansion pack so you can know just how

763  
00:32:15,300 --> 00:32:13,000

tenuous your grip on salvation is with

764

00:32:17,280 --> 00:32:15,310

temptation literally everywhere but fear

765

00:32:19,500 --> 00:32:17,290

not it's nothing that a visit to the

766

00:32:21,720 --> 00:32:19,510

charismatic church of our Lord Jesus the

767

00:32:23,700 --> 00:32:21,730

martyred lamb hamburger joint and chapel

768

00:32:25,710 --> 00:32:23,710

beside the city to Newcastle freeway and

769

00:32:27,660 --> 00:32:25,720

a special one-on-one spiritual healing

770

00:32:30,480 --> 00:32:27,670

in the motel room at the back can't fix

771

00:32:35,670 --> 00:32:30,490

H a double hockey sticks a hockey stick

772

00:32:41,680 --> 00:32:38,530

the skeptic magazine the journal from

773

00:32:43,900 --> 00:32:41,690

Australian skeptics subscribe online to

774

00:32:49,180 --> 00:32:43,910

the world's second oldest skeptical

775

00:32:51,940 --> 00:32:49,190

magazine visit w WC apx com au and click

776

00:32:55,930 --> 00:32:51,950

the publication's League you can also

777

00:32:59,230 --> 00:32:55,940

find their over 30 years on back issues

778

00:33:10,840 --> 00:32:59,240

free to download the skeptic magazine

779

00:33:13,180 --> 00:33:10,850

from Australian skeptics welcome to a

780

00:33:16,540 --> 00:33:13,190

week in science from our IRS bringing

781

00:33:18,330 --> 00:33:16,550

you the science you need to know most of

782

00:33:20,470 --> 00:33:18,340

us know the number pi is a mathematical

783

00:33:23,140 --> 00:33:20,480

constant that relates the circumference

784

00:33:24,430 --> 00:33:23,150

of the circle to its diameter but what's

785

00:33:32,080 --> 00:33:24,440

this number used for in the real world

786

00:33:34,240 --> 00:33:32,090

let's find out pi is found in many

787

00:33:37,060 --> 00:33:34,250

mathematical formulas especially where

788

00:33:38,980 --> 00:33:37,070

curves are involved but it is also used

789

00:33:40,830 --> 00:33:38,990

in many applied fields of science such

790

00:33:43,570 --> 00:33:40,840

as engineering astronomy

791

00:33:45,700 --> 00:33:43,580

telecommunications and statistics for

792

00:33:48,010 --> 00:33:45,710

instance the construction of any curved

793

00:33:50,650 --> 00:33:48,020

surface requires engineers and

794

00:33:52,810 --> 00:33:50,660

architects to use PI in order to get the

795

00:33:54,670 --> 00:33:52,820

pieces to fit together but it is also

796

00:33:56,920 --> 00:33:54,680

used to calculate the structural

797

00:33:59,140 --> 00:33:56,930

strength of beams and columns power

798

00:34:00,940 --> 00:33:59,150

outputs of machinery and even

799

00:34:03,180 --> 00:34:00,950

engineering problems associated with

800

00:34:06,450 --> 00:34:03,190

vibrations

801  
00:34:08,400 --> 00:34:06,460  
in astronomy pi has been used for

802  
00:34:10,530 --> 00:34:08,410  
hundreds of years to calculate orbits

803  
00:34:13,020 --> 00:34:10,540  
and distances between objects in our

804  
00:34:15,090 --> 00:34:13,030  
solar system and beyond closer to home

805  
00:34:16,890 --> 00:34:15,100  
pi is essential for navigation and

806  
00:34:19,310 --> 00:34:16,900  
global positioning because our planet is

807  
00:34:22,080 --> 00:34:19,320  
spherical and moves in a circular orbit

808  
00:34:24,690 --> 00:34:22,090  
pi is even used in some fields to

809  
00:34:26,610 --> 00:34:24,700  
calculate probability statistical

810  
00:34:30,150 --> 00:34:26,620  
distributions are normally described by

811  
00:34:32,370 --> 00:34:30,160  
you guessed it curves and pi can be used

812  
00:34:34,620 --> 00:34:32,380  
to create virtual simulations and

813  
00:34:37,560 --> 00:34:34,630

finally if you're tuning into a whiz

814

00:34:39,300 --> 00:34:37,570

this week by Wi-Fi or radio the waves

815

00:34:41,640 --> 00:34:39,310

carrying our signal also have a

816

00:34:45,270 --> 00:34:41,650

fundamental relationship with pine and

817

00:34:49,740 --> 00:34:45,280

now for fast facts about PI of the

818

00:34:51,390 --> 00:34:49,750

mathematical kind pi is also a very

819

00:34:53,670 --> 00:34:51,400

special number because its decimal

820

00:34:55,710 --> 00:34:53,680

representation never descends into a

821

00:34:59,040 --> 00:34:55,720

repeating pattern it just goes on

822

00:35:02,040 --> 00:34:59,050

forever today pi is being calculated to

823

00:35:03,780 --> 00:35:02,050

over 10 trillion digits pies both an

824

00:35:06,000 --> 00:35:03,790

irrational and transcendental number

825

00:35:09,240 --> 00:35:06,010

meaning no two numbers can be multiplied

826

00:35:11,190 --> 00:35:09,250

together to make pie 41 digits of pi is

827

00:35:13,320 --> 00:35:11,200

enough to calculate the circumference of

828

00:35:16,170 --> 00:35:13,330

visible universe to a margin of error

829

00:35:18,060 --> 00:35:16,180

equal to the width of a proton that's it

830

00:35:21,000 --> 00:35:18,070

for this week in science for more

831

00:35:25,860 --> 00:35:21,010

information on pi go to the rirs website

832

00:35:28,620 --> 00:35:25,870

are I aus ok you follow us on Twitter

833

00:35:40,569 --> 00:35:28,630

and rirs and like us on Facebook I'm

834

00:35:45,440 --> 00:35:43,160

did you see that UFO sighting that made

835

00:35:47,120 --> 00:35:45,450

the news what did that latest study

836

00:35:49,549 --> 00:35:47,130

about alternative treatments really say

837

00:35:52,520 --> 00:35:49,559

is this photo making the rounds real or

838

00:35:54,380 --> 00:35:52,530

hoax doubtful news is a unique website

839

00:35:56,539 --> 00:35:54,390

featuring news about pseudoscience the

840

00:35:58,240 --> 00:35:56,549

paranormal anomalies and questionable

841

00:36:01,220 --> 00:35:58,250

claims framed with the skeptical view

842

00:36:02,950 --> 00:36:01,230

come visit doubtful newscom every day

843

00:36:06,680 --> 00:36:02,960

for news about cryptozoology

844

00:36:09,589 --> 00:36:06,690

conspiracies shams scams and more follow

845

00:36:11,150 --> 00:36:09,599

us on twitter at doubtful news critical

846

00:36:13,430 --> 00:36:11,160

thinking is essential in assessing

847

00:36:29,200 --> 00:36:13,440

today's news duffel news helps you

848

00:36:29,210 --> 00:36:36,560

you

849

00:36:43,540 --> 00:36:40,450

the vaccination chronicles if only

850

00:36:47,980 --> 00:36:43,550

featuring interviews with Verna Morris

851  
00:36:51,320 --> 00:36:47,990  
Maureen Chuck ken MacLeod Monica Seville

852  
00:36:56,210 --> 00:36:51,330  
dr. richard gordon dr. carl prison is

853  
00:37:09,220 --> 00:36:56,220  
key John boondock Peter Budaj and Lauren

854  
00:37:15,160 --> 00:37:12,820  
hello I'm Richard Saunders welcome to

855  
00:37:16,690 --> 00:37:15,170  
the vaccination Chronicles in this video

856  
00:37:19,420 --> 00:37:16,700  
I'd like to tell you about a time in our

857  
00:37:22,270 --> 00:37:19,430  
history not so long ago when parents

858  
00:37:24,550 --> 00:37:22,280  
live with the very real fear that at any

859  
00:37:27,120 --> 00:37:24,560  
time their children could succumb to the

860  
00:37:29,260 --> 00:37:27,130  
deadly effects of infectious diseases

861  
00:37:32,290 --> 00:37:29,270  
I'd like to tell you what it was like

862  
00:37:34,990 --> 00:37:32,300  
back then but I really can't I wasn't

863  
00:37:36,520 --> 00:37:35,000

there i was born after the widespread

864

00:37:38,590 --> 00:37:36,530

introduction of vaccinations for

865

00:37:40,930 --> 00:37:38,600

diseases such as pertussis which is

866

00:37:43,859 --> 00:37:40,940

whooping cough diphtheria rubella

867

00:37:48,849 --> 00:37:43,869

tuberculosis and infantile paralysis

868

00:37:51,730 --> 00:37:48,859

polio mellitus polio so we need to hear

869

00:37:53,950 --> 00:37:51,740

from people who were there people who

870

00:37:56,380 --> 00:37:53,960

even lost members of their family and

871

00:37:59,260 --> 00:37:56,390

not just babies and children to diseases

872

00:38:01,210 --> 00:37:59,270

we hardly hear about today we'll also

873

00:38:03,640 --> 00:38:01,220

hear from some others about some of the

874

00:38:06,400 --> 00:38:03,650

fears and misconceptions both real and

875

00:38:08,320 --> 00:38:06,410

invented about modern vaccination that

876

00:38:10,270 --> 00:38:08,330

seems as there's no end of bad

877

00:38:14,170 --> 00:38:10,280

information out there especially on the

878

00:38:16,599 --> 00:38:14,180

internet but now let's hear from some

879

00:38:22,789 --> 00:38:16,609

people who have seen firsthand the

880

00:38:31,640 --> 00:38:27,529

my mother died of TB at the age of 19

881

00:38:35,120 --> 00:38:31,650

and I was 15 months old I never ever

882

00:38:38,749 --> 00:38:35,130

newer never knew my mother and her two

883

00:38:44,029 --> 00:38:38,759

brothers in periods varying periods

884

00:38:47,689 --> 00:38:44,039

after that died of the same disease they

885

00:38:51,469 --> 00:38:47,699

I think what one was up to about 10 or

886

00:38:56,089 --> 00:38:51,479

11 years after that but everybody had

887

00:39:01,099 --> 00:38:56,099

just about you know it was it was just

888

00:39:06,650 --> 00:39:01,109

like measles was too late to to add to

889

00:39:09,469 --> 00:39:06,660

the next generation and um but they did

890

00:39:12,319 --> 00:39:09,479

anyway once you get rid of these things

891

00:39:15,169 --> 00:39:12,329

you don't want to get them back you want

892

00:39:18,769 --> 00:39:15,179

them and you wanted to stay out like

893

00:39:24,019 --> 00:39:18,779

smallpox things like that that we don't

894

00:39:27,559 --> 00:39:24,029

have anymore but we did have them this

895

00:39:31,370 --> 00:39:27,569

is early 50s and I'm about five or six

896

00:39:35,029 --> 00:39:31,380

and I can remember sitting at the dining

897

00:39:39,199 --> 00:39:35,039

table and there's a doctor talking to my

898

00:39:42,979 --> 00:39:39,209

father who's standing up and the doctors

899

00:39:46,160 --> 00:39:42,989

telling my dad my sister's my baby

900

00:39:49,069 --> 00:39:46,170

sister's got polio and the look of

901  
00:39:51,709 --> 00:39:49,079  
horror on his face and I can hear my

902  
00:39:56,929 --> 00:39:51,719  
mother sobbing in the bedroom because

903  
00:39:59,829 --> 00:39:56,939  
this is the worst possible news and I

904  
00:40:03,319 --> 00:39:59,839  
remember going up to Townsville hospital

905  
00:40:07,489 --> 00:40:03,329  
the three of us to go and visit miss my

906  
00:40:10,130 --> 00:40:07,499  
baby sister and she's lying in a bed in

907  
00:40:13,339 --> 00:40:10,140  
a hospital ward and the in it appeared

908  
00:40:16,519 --> 00:40:13,349  
to my child's brain there were dozens of

909  
00:40:19,099 --> 00:40:16,529  
kids and this was a polio ward this

910  
00:40:21,319 --> 00:40:19,109  
wasn't all the illnesses and accidents

911  
00:40:25,699 --> 00:40:21,329  
that were around this was an entire Ward

912  
00:40:28,489 --> 00:40:25,709  
devoted to children as luck would have

913  
00:40:31,219 --> 00:40:28,499

it she was well cared for and she

914

00:40:34,730 --> 00:40:31,229

recovered but I can remember going to

915

00:40:37,589 --> 00:40:34,740

school about the same time

916

00:40:39,299 --> 00:40:37,599

and it was after the holidays and we all

917

00:40:41,279 --> 00:40:39,309

get back and we're saying hello to kids

918

00:40:44,089 --> 00:40:41,289

that we hadn't seen for a few weeks and

919

00:40:47,069 --> 00:40:44,099

I saying where's Billy where's Tommy and

920

00:40:50,549 --> 00:40:47,079

someone said I'll they've got the polio

921

00:40:52,950 --> 00:40:50,559

and that was all people needed to say

922

00:40:55,529 --> 00:40:52,960

because you knew that you'd probably

923

00:40:58,410 --> 00:40:55,539

never see them again and I never did and

924

00:41:01,769 --> 00:40:58,420

I gather they died there was a girl in

925

00:41:07,470 --> 00:41:01,779

my class who had calipers as a result of

926  
00:41:10,740 --> 00:41:07,480  
polio I remember I started that school

927  
00:41:14,880 --> 00:41:10,750  
in first class so she must have had it

928  
00:41:17,309 --> 00:41:14,890  
when she was much younger and also I

929  
00:41:20,009 --> 00:41:17,319  
remember a friend of Mines father who'd

930  
00:41:22,109 --> 00:41:20,019  
had polio he had one really withered

931  
00:41:25,140 --> 00:41:22,119  
League you know it was like half the

932  
00:41:27,779 --> 00:41:25,150  
size of the the other leg and he had

933  
00:41:32,069 --> 00:41:27,789  
this funny gate there to sort of

934  
00:41:36,720 --> 00:41:32,079  
accommodate for that well when I was 11

935  
00:41:39,960 --> 00:41:36,730  
that was 1951 I just felt very sick one

936  
00:41:41,999 --> 00:41:39,970  
day at school I went home and my mother

937  
00:41:46,019 --> 00:41:42,009  
did while awkward mothers would do put a

938  
00:41:49,049 --> 00:41:46,029

child to bed I had a very high fever and

939

00:41:53,039 --> 00:41:49,059

my back was aching I was really very

940

00:41:55,460 --> 00:41:53,049

very sick the doctor was called and I

941

00:41:59,069 --> 00:41:55,470

can remember the doctor checking out

942

00:42:00,599 --> 00:41:59,079

arms and legs bending and also the

943

00:42:03,690 --> 00:42:00,609

doctor asked me to sit up which was very

944

00:42:08,400 --> 00:42:03,700

painful and to put my chin on my chest

945

00:42:10,950 --> 00:42:08,410

and I couldn't do that and immediately

946

00:42:13,710 --> 00:42:10,960

he said to my parents she must go to

947

00:42:16,109 --> 00:42:13,720

hospital it was the water base hospital

948

00:42:19,769 --> 00:42:16,119

it was 25 miles away 40 kilometres away

949

00:42:22,950 --> 00:42:19,779

and a spinal tap revealed that I had

950

00:42:26,519 --> 00:42:22,960

polio this was absolutely horrifying

951  
00:42:29,819 --> 00:42:26,529  
because there hadn't been any cases of

952  
00:42:31,529 --> 00:42:29,829  
polio in my little town at all they'd

953  
00:42:35,670 --> 00:42:31,539  
been one in the country a young fellow

954  
00:42:37,799 --> 00:42:35,680  
age 34 a farmer and he died and the

955  
00:42:41,059 --> 00:42:37,809  
whole town was reeling and now here was

956  
00:42:45,440 --> 00:42:41,069  
Monica was polio where did I get it from

957  
00:42:48,349 --> 00:42:45,450  
nobody knows well my mother was

958  
00:42:53,150 --> 00:42:48,359  
nurse before marriage and she nursed in

959  
00:42:58,040 --> 00:42:53,160  
isolation hospitals and she saw Geron

960  
00:43:04,970 --> 00:42:58,050  
dying of tuberculosis polio the

961  
00:43:08,900 --> 00:43:04,980  
diphtheria and other diseases my father

962  
00:43:11,810 --> 00:43:08,910  
was the eldest of five children when he

963  
00:43:14,120 --> 00:43:11,820

was twenty nineteen thirty-nine his only

964

00:43:16,609 --> 00:43:14,130

sister the youngest in the family died

965

00:43:20,000 --> 00:43:16,619

of diphtheria at the age of two and a

966

00:43:22,819 --> 00:43:20,010

half so I was brought up with stories of

967

00:43:25,069 --> 00:43:22,829

kids dying of diphtheria those my mother

968

00:43:27,680 --> 00:43:25,079

had seen and under course my father's

969

00:43:30,560 --> 00:43:27,690

experience I'm the oldest of six

970

00:43:33,470 --> 00:43:30,570

children when the youngest was born we

971

00:43:37,550 --> 00:43:33,480

hadn't been cough I remember my little

972

00:43:40,339 --> 00:43:37,560

baby sister gasping for breath a little

973

00:43:42,950 --> 00:43:40,349

surge black surgical belt around her

974

00:43:45,650 --> 00:43:42,960

belly holding in her navel which had

975

00:43:48,470 --> 00:43:45,660

become herniated as a result of the

976

00:43:50,450 --> 00:43:48,480

strain of a coughing she was very

977

00:43:53,150 --> 00:43:50,460

seriously ill and these days almost

978

00:43:55,160 --> 00:43:53,160

certainly would be hospitalized but

979

00:43:56,510 --> 00:43:55,170

they're my mother having been the next

980

00:43:59,329 --> 00:43:56,520

nurse that probably thought that

981

00:44:01,970 --> 00:43:59,339

choosers well looked after at home as

982

00:44:06,050 --> 00:44:01,980

otherwise and I remember the whooping

983

00:44:08,930 --> 00:44:06,060

cough the hmm and then the coughing and

984

00:44:11,450 --> 00:44:08,940

then the the vomiting must be very hard

985

00:44:14,980 --> 00:44:11,460

for my mother just having given birth to

986

00:44:18,710 --> 00:44:14,990

a child now me to look after 66 kids

987

00:44:21,220 --> 00:44:18,720

sick kids as well a personal example

988

00:44:24,290 --> 00:44:21,230

from our family is my cousin Phillip

989

00:44:26,030 --> 00:44:24,300

when he was young he July by 3rd he's

990

00:44:29,120 --> 00:44:26,040

late came back to his parents and said

991

00:44:31,309 --> 00:44:29,130

I've got a sorely they panicked the

992

00:44:32,930 --> 00:44:31,319

first thought was polio took him to the

993

00:44:35,120 --> 00:44:32,940

doctor no problem at all odd numbers

994

00:44:36,650 --> 00:44:35,130

hurt himself and falling over two days

995

00:44:38,599 --> 00:44:36,660

later his very best friend Frank who

996

00:44:41,480 --> 00:44:38,609

lived two streets away had the same

997

00:44:43,579 --> 00:44:41,490

experience he fell over saw leg his

998

00:44:46,250 --> 00:44:43,589

parents took him to the doctor I leo

999

00:44:48,589 --> 00:44:46,260

Frank died in 2012 it's been his life in

1000

00:44:50,630 --> 00:44:48,599

a wheelchair this was a very very scary

1001  
00:44:51,890 --> 00:44:50,640  
disease and people were very very

1002  
00:44:55,730 --> 00:44:51,900  
worried about it

1003  
00:44:58,579 --> 00:44:55,740  
with Madhu with good cause i remember

1004  
00:45:01,940 --> 00:44:58,589  
when i was in nimbin working as a

1005  
00:45:04,069 --> 00:45:01,950  
medical student helping a doctor and in

1006  
00:45:07,130 --> 00:45:04,079  
came so i was just work experience part

1007  
00:45:09,680 --> 00:45:07,140  
of the medical rotation and in came to

1008  
00:45:12,620 --> 00:45:09,690  
parents and this kid 16 your kid

1009  
00:45:14,690 --> 00:45:12,630  
obviously from the way he was walking

1010  
00:45:16,519 --> 00:45:14,700  
here at poly i was a very characteristic

1011  
00:45:19,460 --> 00:45:16,529  
walk quite different from a Parkinson's

1012  
00:45:22,220 --> 00:45:19,470  
walk from a stroke walk quite obvious

1013  
00:45:23,480 --> 00:45:22,230

and we looked at each other and we

1014

00:45:25,069 --> 00:45:23,490

didn't say a single thing the doctor and

1015

00:45:27,230 --> 00:45:25,079

I and then they went through the story

1016

00:45:28,430 --> 00:45:27,240

about how they just come back from India

1017

00:45:31,400 --> 00:45:28,440

and then the doctor asked a few

1018

00:45:34,160 --> 00:45:31,410

questions and he said and have you been

1019

00:45:36,859 --> 00:45:34,170

jack side against polio no and he said

1020

00:45:41,269 --> 00:45:36,869

only did you test and then he said look

1021

00:45:43,400 --> 00:45:41,279

is pretty obvious to me that your child

1022

00:45:46,160 --> 00:45:43,410

has polio and the parents got a shop

1023

00:45:47,720 --> 00:45:46,170

said they didn't want to believe they

1024

00:45:49,579 --> 00:45:47,730

started firstly being rational and

1025

00:45:51,559 --> 00:45:49,589

saying things like well there's no such

1026

00:45:53,269 --> 00:45:51,569

diseases polio and then they started

1027

00:45:54,529 --> 00:45:53,279

saying things like well I'm polio

1028

00:45:55,819 --> 00:45:54,539

doesn't exist anymore because we all

1029

00:45:58,279 --> 00:45:55,829

live better there is no infectious

1030

00:46:00,890 --> 00:45:58,289

disease such as polio and you can't get

1031

00:46:02,900 --> 00:46:00,900

it and then they started kicking chairs

1032

00:46:05,000 --> 00:46:02,910

a little bit and then stormed out they

1033

00:46:07,279 --> 00:46:05,010

did not want to live for the fact that

1034

00:46:10,609 --> 00:46:07,289

by not vaccinating their kid against

1035

00:46:16,010 --> 00:46:10,619

polio they had been paralyzed a kid in

1036

00:46:18,079 --> 00:46:16,020

one leg by taking him to India so with

1037

00:46:21,410 --> 00:46:18,089

water base hospital there really was no

1038

00:46:25,370 --> 00:46:21,420

treatment for a person with polio I had

1039

00:46:28,630 --> 00:46:25,380

a high fever and I was just put onto a

1040

00:46:30,920 --> 00:46:28,640

flatbed no pillow and told to stay there

1041

00:46:33,890 --> 00:46:30,930

and I can I was too sick to go anywhere

1042

00:46:37,430 --> 00:46:33,900

anyway so I just stayed there and

1043

00:46:41,450 --> 00:46:37,440

eventually I was moved out onto a

1044

00:46:44,359 --> 00:46:41,460

veranda because more people needed to be

1045

00:46:47,210 --> 00:46:44,369

inside people who no longer had a fever

1046

00:46:50,900 --> 00:46:47,220

were being moved onto verandahs I mean

1047

00:46:54,740 --> 00:46:50,910

unenclosed verandas with Just Cause and

1048

00:46:57,799 --> 00:46:54,750

blind down but always near me was a

1049

00:47:00,440 --> 00:46:57,809

horrible barrel looking thing which they

1050

00:47:02,510 --> 00:47:00,450

said to me was an iron lung and they

1051  
00:47:03,840 --> 00:47:02,520  
said that I might need that because the

1052  
00:47:07,100 --> 00:47:03,850  
polio i had was

1053  
00:47:09,930 --> 00:47:07,110  
in the throat and in my speech I

1054  
00:47:13,230 --> 00:47:09,940  
couldn't swallow couldn't talk properly

1055  
00:47:17,190 --> 00:47:13,240  
and that's the one that tends to go down

1056  
00:47:19,170 --> 00:47:17,200  
into the lungs very quickly and so I was

1057  
00:47:21,420 --> 00:47:19,180  
really thrilled one day when the the

1058  
00:47:24,060 --> 00:47:21,430  
iron lung wasn't there because I thought

1059  
00:47:26,550 --> 00:47:24,070  
oh good I don't need it anymore but of

1060  
00:47:29,760 --> 00:47:26,560  
course somebody did and I can remember

1061  
00:47:31,920 --> 00:47:29,770  
the 50s where people lived in dread of

1062  
00:47:34,740 --> 00:47:31,930  
these terrible illnesses that just took

1063  
00:47:36,720 --> 00:47:34,750

so many people walk through an old

1064

00:47:38,700 --> 00:47:36,730

cemetery and look at the headstones of

1065

00:47:42,000 --> 00:47:38,710

who died and how old and you're looking

1066

00:47:47,650 --> 00:47:42,010

at babies that die and that's that's

1067

00:47:52,900 --> 00:47:49,779

at the beginning of the 20th century

1068

00:47:56,200 --> 00:47:52,910

infant mortality in Australia was over

1069

00:47:59,170 --> 00:47:56,210

ten percent can you imagine it more than

1070

00:48:02,799 --> 00:47:59,180

one in ten babies died many of those

1071

00:48:04,450 --> 00:48:02,809

from vaccine-preventable diseases what

1072

00:48:08,940 --> 00:48:04,460

would their parents have given to

1073

00:48:15,490 --> 00:48:12,160

reports like these were commonplace in

1074

00:48:19,150 --> 00:48:15,500

the newspapers of the time it was sad

1075

00:48:21,370 --> 00:48:19,160

but no surprise to anyone over the

1076

00:48:23,740 --> 00:48:21,380

course of the 20th century important

1077

00:48:26,530 --> 00:48:23,750

health measures were introduced that saw

1078

00:48:31,230 --> 00:48:26,540

this mortality rate plummet chief

1079

00:48:34,770 --> 00:48:33,600

I'd like to read to you something I

1080

00:48:37,500 --> 00:48:34,780

discovered while I was doing research

1081

00:48:43,100 --> 00:48:37,510

for this documentary and this comes from

1082

00:48:46,950 --> 00:48:43,110

the Perth Daily News dated april 1903

1083

00:48:48,870 --> 00:48:46,960

coughing dislocates a neck in certifying

1084

00:48:51,180 --> 00:48:48,880

a child's death to the Southard coroner

1085

00:48:53,100 --> 00:48:51,190

a medical man reports that the deceased

1086

00:48:56,160 --> 00:48:53,110

had been under treatment for whooping

1087

00:48:58,350 --> 00:48:56,170

cough death was due to a broken neck and

1088

00:49:00,300 --> 00:48:58,360

in the absence of any definable cause

1089

00:49:03,090 --> 00:49:00,310

the doctor was forced to the conclusion

1090

00:49:08,090 --> 00:49:03,100

that the child dislocated its neck

1091

00:49:09,870 --> 00:49:08,100

during a violent fit of coughing I

1092

00:49:11,550 --> 00:49:09,880

remember when I was in the first batch

1093

00:49:13,650 --> 00:49:11,560

of kids in Wollongong to get vaccinated

1094

00:49:15,780 --> 00:49:13,660

we all got put on buses in primary

1095

00:49:17,280 --> 00:49:15,790

school and then got shipped down to the

1096

00:49:19,920 --> 00:49:17,290

pioneer hall and then they stabbed all

1097

00:49:23,400 --> 00:49:19,930

of us and in my class there was a kid

1098

00:49:25,380 --> 00:49:23,410

who had calipers and there were two more

1099

00:49:28,170 --> 00:49:25,390

kids in the school who had been hit by

1100

00:49:30,210 --> 00:49:28,180

polio Polly I only gets about half a

1101

00:49:32,310 --> 00:49:30,220

percent of everybody that infects so it

1102

00:49:33,960 --> 00:49:32,320

infects the population only about half a

1103

00:49:35,580 --> 00:49:33,970

percent of them actually come down with

1104

00:49:37,140 --> 00:49:35,590

the neurological symptoms and these are

1105

00:49:40,320 --> 00:49:37,150

the three kids from our school and was

1106

00:49:42,690 --> 00:49:40,330

only years later so I realized that all

1107

00:49:45,060 --> 00:49:42,700

the parents standing around had

1108

00:49:46,890 --> 00:49:45,070

deliberately as an act of the society

1109

00:49:48,690 --> 00:49:46,900

giving up the chance to have them

1110

00:49:52,380 --> 00:49:48,700

vaccinated and protected against polio

1111

00:49:55,109 --> 00:49:52,390

so that we their children could get

1112

00:49:59,040 --> 00:49:55,119

saved what a generous bunch of parents

1113

00:50:01,950 --> 00:49:59,050

he was about a year after my sister came

1114

00:50:07,280 --> 00:50:01,960

home there was an announcement that a

1115

00:50:10,680 --> 00:50:07,290

vaccine had been invented for polio and

1116

00:50:13,050 --> 00:50:10,690

it was like a huge cloud had been lifted

1117

00:50:16,109 --> 00:50:13,060

from the suburbs because they're being

1118

00:50:18,090 --> 00:50:16,119

this cloud of gloom and doom it was the

1119

00:50:20,580 --> 00:50:18,100

dread that your child would be the next

1120

00:50:24,180 --> 00:50:20,590

to come down with polio and at last it

1121

00:50:26,220 --> 00:50:24,190

was hope and it very soon after all of

1122

00:50:28,800 --> 00:50:26,230

us kids were taken up to the school and

1123

00:50:31,760 --> 00:50:28,810

we were lined up on the verandas around

1124

00:50:35,880 --> 00:50:31,770

100 of us and we all got our jabs and

1125

00:50:37,890 --> 00:50:35,890

polio just disappeared the gloom had

1126

00:50:40,140 --> 00:50:37,900

lifted and it wasn't even a subject for

1127

00:50:43,740 --> 00:50:40,150

discussion anymore and you saw the

1128

00:50:44,460 --> 00:50:43,750

occasional child or adult with calipers

1129

00:50:46,890 --> 00:50:44,470

and so on

1130

00:50:49,380 --> 00:50:46,900

but that's all there was palio just

1131

00:50:52,670 --> 00:50:49,390

disappeared as if it was magic but it

1132

00:50:55,620 --> 00:50:52,680

wasn't magic it was science at work

1133

00:50:57,870 --> 00:50:55,630

these days the decision to vaccinate is

1134

00:51:00,300 --> 00:50:57,880

not a hard one but some people aren't

1135

00:51:02,490 --> 00:51:00,310

convinced in a way vaccination has

1136

00:51:05,010 --> 00:51:02,500

become a victim of its own success with

1137

00:51:07,410 --> 00:51:05,020

people wondering why why in this day and

1138

00:51:08,970 --> 00:51:07,420

age why would they vaccinate because

1139

00:51:11,250 --> 00:51:08,980

diseases like whooping cough although

1140

00:51:14,070 --> 00:51:11,260

dramatically decreased are still with us

1141

00:51:15,870 --> 00:51:14,080

and are still claiming lives and yet

1142

00:51:17,849 --> 00:51:15,880

there are people especially in developed

1143

00:51:20,790 --> 00:51:17,859

countries with low rates of infection

1144

00:51:23,040 --> 00:51:20,800

who are vehemently opposed to

1145

00:51:26,400 --> 00:51:23,050

vaccination claiming it's responsible

1146

00:51:30,270 --> 00:51:26,410

for everything from autism to SIDS to

1147

00:51:32,400 --> 00:51:30,280

even shaken baby syndrome unbelievably

1148

00:51:36,750 --> 00:51:32,410

some people deny vaccination has

1149

00:51:40,530 --> 00:51:36,760

prevented any disease whatsoever there's

1150

00:51:43,230 --> 00:51:40,540

almost no data for for significant

1151  
00:51:45,589 --> 00:51:43,240  
damage caused by vaccines any more than

1152  
00:51:48,720 --> 00:51:45,599  
anyone having an injection of any sort

1153  
00:51:51,990 --> 00:51:48,730  
most of those reactions to injections

1154  
00:51:54,300 --> 00:51:52,000  
are caused by fainting if your child's

1155  
00:51:55,680 --> 00:51:54,310  
not vaccinated that's fine as long as no

1156  
00:51:58,140 --> 00:51:55,690  
one else comes to this country and

1157  
00:51:59,820 --> 00:51:58,150  
brings the disease with them if someone

1158  
00:52:02,880 --> 00:51:59,830  
comes in from another country or the

1159  
00:52:04,920 --> 00:52:02,890  
virus gets away some other way that it's

1160  
00:52:07,620 --> 00:52:04,930  
possible that the an epidemic can occur

1161  
00:52:09,599 --> 00:52:07,630  
and of course most of these ill many of

1162  
00:52:10,770 --> 00:52:09,609  
these awesome perhaps not all them but

1163  
00:52:13,980 --> 00:52:10,780

many of these illnesses are

1164

00:52:17,760 --> 00:52:13,990

life-threatening and if you have fifteen

1165

00:52:19,950 --> 00:52:17,770

percent of the infant population getting

1166

00:52:21,780 --> 00:52:19,960

a disease like measles you're going to

1167

00:52:24,930 --> 00:52:21,790

have deaths and there will be a number

1168

00:52:26,339 --> 00:52:24,940

of deaths measles can be a is a

1169

00:52:29,720 --> 00:52:26,349

life-threatening illness and of course

1170

00:52:32,099 --> 00:52:29,730

polio much more so tetanus diphtheria

1171

00:52:34,200 --> 00:52:32,109

whooping cough whooping coughs you know

1172

00:52:35,970 --> 00:52:34,210

it's quite a high mortality and because

1173

00:52:39,089 --> 00:52:35,980

Polly has a very high mortality in a

1174

00:52:41,430 --> 00:52:39,099

very long morbidity and so if you if we

1175

00:52:44,870 --> 00:52:41,440

have 50 70 and fifty percent of our

1176  
00:52:47,310 --> 00:52:44,880  
population susceptible to these offices

1177  
00:52:49,140 --> 00:52:47,320  
then of course you know all sorts of

1178  
00:52:52,349 --> 00:52:49,150  
disasters going to occur for for the

1179  
00:52:54,960 --> 00:52:52,359  
children and so you by not vaccinating

1180  
00:52:56,760 --> 00:52:54,970  
your child you only put your own child

1181  
00:52:58,740 --> 00:52:56,770  
at risk but you put at risk

1182  
00:53:00,930 --> 00:52:58,750  
who have also gone to the trouble of

1183  
00:53:03,150 --> 00:53:00,940  
being vaccinated because some of them

1184  
00:53:05,040 --> 00:53:03,160  
because of the immune system or whatever

1185  
00:53:08,490 --> 00:53:05,050  
will actually be susceptible to the

1186  
00:53:10,170 --> 00:53:08,500  
disease one of the persistent myths

1187  
00:53:12,450 --> 00:53:10,180  
about vaccines and the dangers of

1188  
00:53:14,720 --> 00:53:12,460

vaccines is that vaccination causes

1189

00:53:17,100 --> 00:53:14,730

autism or certain vaccines cause autism

1190

00:53:20,700 --> 00:53:17,110

there have been dozens of studies done

1191

00:53:23,450 --> 00:53:20,710

that have shown no connection what the

1192

00:53:26,790 --> 00:53:23,460

connection is or is simply coincidence

1193

00:53:28,280 --> 00:53:26,800

autism is detected at about the age when

1194

00:53:30,000 --> 00:53:28,290

some of the earlier vaccines are given

1195

00:53:31,680 --> 00:53:30,010

it's not something you can usually

1196

00:53:34,470 --> 00:53:31,690

detect early but something in some cases

1197

00:53:37,860 --> 00:53:34,480

you can there's just been a recent study

1198

00:53:39,420 --> 00:53:37,870

done where I'm an analysis of as many

1199

00:53:41,880 --> 00:53:39,430

studies do you get followed by a new

1200

00:53:43,500 --> 00:53:41,890

academic Sydney University and what he

1201  
00:53:45,000 --> 00:53:43,510  
found was that when you put them all

1202  
00:53:47,760 --> 00:53:45,010  
together and collect all the information

1203  
00:53:48,960 --> 00:53:47,770  
you just became stronger it is no

1204  
00:53:51,810 --> 00:53:48,970  
connection between vaccinations and

1205  
00:53:54,030 --> 00:53:51,820  
autism so it can be can be detected

1206  
00:53:56,250 --> 00:53:54,040  
early at the normal type of detection

1207  
00:53:57,570 --> 00:53:56,260  
and just to do normally do with the

1208  
00:53:59,400 --> 00:53:57,580  
developmental stages of children that

1209  
00:54:01,920 --> 00:53:59,410  
they don't show the signs of autism

1210  
00:54:03,540 --> 00:54:01,930  
until they're about sometimes like two

1211  
00:54:06,480 --> 00:54:03,550  
or three years old and that's when as

1212  
00:54:08,010 --> 00:54:06,490  
they get low back scenes it's a myth and

1213  
00:54:10,620 --> 00:54:08,020

some myth which should be stomped on and

1214

00:54:12,200 --> 00:54:10,630

should stop your being repeated but

1215

00:54:15,360 --> 00:54:12,210

there's people out there who are

1216

00:54:17,250 --> 00:54:15,370

bitterly opposed to vaccination and they

1217

00:54:19,940 --> 00:54:17,260

have all sorts of reasons they object to

1218

00:54:22,890 --> 00:54:19,950

the science they object to the

1219

00:54:24,810 --> 00:54:22,900

socialization of it but the thing is

1220

00:54:26,760 --> 00:54:24,820

they don't know what it's like I'm one

1221

00:54:29,280 --> 00:54:26,770

of the last of the generation that saw

1222

00:54:31,680 --> 00:54:29,290

these things right up close I saw it in

1223

00:54:35,070 --> 00:54:31,690

my father's face I saw it in my mother's

1224

00:54:37,290 --> 00:54:35,080

I still I saw it in my school friends

1225

00:54:41,580 --> 00:54:37,300

who wore calibers or just I never saw a

1226  
00:54:44,100 --> 00:54:41,590  
game it just doesn't happen today why

1227  
00:54:46,380 --> 00:54:44,110  
are these people so bitterly opposed to

1228  
00:54:50,070 --> 00:54:46,390  
vaccination I don't know what they're

1229  
00:54:53,990 --> 00:54:50,080  
talking about it's they have all these

1230  
00:54:57,210 --> 00:54:54,000  
reasons that just don't make sense

1231  
00:54:59,490 --> 00:54:57,220  
they're just rubbish get your child

1232  
00:55:02,880 --> 00:54:59,500  
vaccinated see a real doctor not a cream

1233  
00:55:05,550 --> 00:55:02,890  
see a real doctor get their immunization

1234  
00:55:07,740 --> 00:55:05,560  
program get them up to date keep them up

1235  
00:55:12,110 --> 00:55:07,750  
to date and you won't see what I saw

1236  
00:55:16,590 --> 00:55:13,830  
the first thing to realize about

1237  
00:55:18,720 --> 00:55:16,600  
vaccinations is that they were invented

1238  
00:55:21,500 --> 00:55:18,730

by human beings they're not perfect

1239

00:55:23,820 --> 00:55:21,510

nothing made by humans is perfect but

1240

00:55:26,310 --> 00:55:23,830

overwhelmingly the odds are in your

1241

00:55:28,230 --> 00:55:26,320

favor if you get vaccinated I've got my

1242

00:55:29,490 --> 00:55:28,240

kids vaccinated I tell everybody get

1243

00:55:32,070 --> 00:55:29,500

their bitten kids back so they're not

1244

00:55:35,010 --> 00:55:32,080

perfect you'll have a fever maybe maybe

1245

00:55:37,170 --> 00:55:35,020

some to the other thing overwhelmingly

1246

00:55:39,300 --> 00:55:37,180

the odds are in your favor simply

1247

00:55:41,670 --> 00:55:39,310

because nothing made by humans is

1248

00:55:46,980 --> 00:55:41,680

perfect the odds are in your favor get

1249

00:55:50,100 --> 00:55:46,990

vaccinated it's so important I'm just

1250

00:55:53,280 --> 00:55:50,110

just a little needle and then their

1251  
00:55:56,150 --> 00:55:53,290  
children they've taken away all the

1252  
00:55:59,040 --> 00:55:56,160  
worry against them getting these things

1253  
00:56:02,730 --> 00:55:59,050  
you think they might die I remembered to

1254  
00:56:06,780 --> 00:56:02,740  
it to my children having whooping cough

1255  
00:56:10,530 --> 00:56:06,790  
together and that was a very worrying

1256  
00:56:12,540 --> 00:56:10,540  
time if our grandmothers knew that there

1257  
00:56:15,000 --> 00:56:12,550  
was a treatment or prevention for the

1258  
00:56:17,700 --> 00:56:15,010  
diseases that their children died from

1259  
00:56:21,050 --> 00:56:17,710  
and we weren't accessing those they

1260  
00:56:23,430 --> 00:56:21,060  
would kick us from here into next week

1261  
00:56:25,860 --> 00:56:23,440  
the diseases we've been talking about

1262  
00:56:28,080 --> 00:56:25,870  
can affect children for the rest of

1263  
00:56:30,900 --> 00:56:28,090

their lives even when all the symptoms

1264

00:56:32,790 --> 00:56:30,910

are gone part of the disease can linger

1265

00:56:36,150 --> 00:56:32,800

in the body for decades only to return

1266

00:56:40,410 --> 00:56:36,160

later in life a very nasty visitor from

1267

00:56:43,550 --> 00:56:40,420

the past now poliomyelitis polio

1268

00:56:47,430 --> 00:56:43,560

infantile paralysis it's been called to

1269

00:56:49,680 --> 00:56:47,440

involves the muscles it involves the

1270

00:56:51,570 --> 00:56:49,690

paralysis of the muscles and often these

1271

00:56:53,760 --> 00:56:51,580

are the muscles of the lungs the

1272

00:56:56,190 --> 00:56:53,770

breathing apparatus in a person that's

1273

00:56:58,410 --> 00:56:56,200

affected so in order for a person to

1274

00:57:02,250 --> 00:56:58,420

stay alive it was necessary to put polio

1275

00:57:06,210 --> 00:57:02,260

victims into an iron lung and this force

1276  
00:57:08,370 --> 00:57:06,220  
the air into and out of a person and for

1277  
00:57:10,440 --> 00:57:08,380  
many many people lying on their back

1278  
00:57:14,070 --> 00:57:10,450  
flat on their back looking at the world

1279  
00:57:16,950 --> 00:57:14,080  
through a mirror eating in there was

1280  
00:57:18,960 --> 00:57:16,960  
their life many people who went into

1281  
00:57:19,660 --> 00:57:18,970  
iron lungs never ever came out of iron

1282  
00:57:22,059 --> 00:57:19,670  
lungs

1283  
00:57:24,460 --> 00:57:22,069  
but many people did spend their entire

1284  
00:57:25,990 --> 00:57:24,470  
life in there and they might have been

1285  
00:57:27,609 --> 00:57:26,000  
allowed out just a little while with

1286  
00:57:30,520 --> 00:57:27,619  
assisted breathing to have a shower how

1287  
00:57:34,180 --> 00:57:30,530  
to bar the sponge bath go to the toilet

1288  
00:57:36,640 --> 00:57:34,190

perhaps but most spent their lives after

1289

00:57:38,770 --> 00:57:36,650

they were in an iron lung and stayed

1290

00:57:40,809 --> 00:57:38,780

there I understand that very few came

1291

00:57:43,660 --> 00:57:40,819

out of them in some hospitals there were

1292

00:57:47,589 --> 00:57:43,670

rooms full of iron lungs helping people

1293

00:57:50,980 --> 00:57:47,599

to breathe without awful sound of

1294

00:57:54,700 --> 00:57:50,990

compression and like a pump going to

1295

00:57:56,470 --> 00:57:54,710

pump air into people and out of people I

1296

00:57:57,880 --> 00:57:56,480

think they've been refined in recent

1297

00:57:59,559 --> 00:57:57,890

times I don't know what there is because

1298

00:58:02,500 --> 00:57:59,569

there's just not the incidence of polio

1299

00:58:05,319 --> 00:58:02,510

around but it was certainly an horrific

1300

00:58:07,450 --> 00:58:05,329

thing to see an iron lung waiting for

1301  
00:58:09,970 --> 00:58:07,460  
you at the end of your bed and this is

1302  
00:58:11,470 --> 00:58:09,980  
what you may need and I was very

1303  
00:58:16,750 --> 00:58:11,480  
determined to get well so I didn't need

1304  
00:58:19,030 --> 00:58:16,760  
a nine-month one of our latest vaccines

1305  
00:58:21,400 --> 00:58:19,040  
for newest vaccines has been the herpes

1306  
00:58:23,650 --> 00:58:21,410  
zoster virus vaccine which is the

1307  
00:58:28,450 --> 00:58:23,660  
purpose hasta is the virus that causes

1308  
00:58:32,140 --> 00:58:28,460  
chickenpox and can recur later and come

1309  
00:58:35,770 --> 00:58:32,150  
out as as shingles which is a rather

1310  
00:58:38,170 --> 00:58:35,780  
nasty inflammation of the skin so

1311  
00:58:42,520 --> 00:58:38,180  
children or people who are infected with

1312  
00:58:44,200 --> 00:58:42,530  
chickenpox the tuna pox virus after the

1313  
00:58:48,339 --> 00:58:44,210

illnesses over the chicken pox virus

1314

00:58:51,819 --> 00:58:48,349

doesn't completely leave us it it hides

1315

00:58:54,130 --> 00:58:51,829

in the in the roots of our nerves what's

1316

00:58:56,170 --> 00:58:54,140

called the ganglia of the nerve so you

1317

00:58:58,930 --> 00:58:56,180

have a nerve which goes to your

1318

00:59:02,079 --> 00:58:58,940

fingertips a or to your chest and that

1319

00:59:05,289 --> 00:59:02,089

nerve arises in your spinal cord and

1320

00:59:09,309 --> 00:59:05,299

back near spinal cord there's the the

1321

00:59:11,680 --> 00:59:09,319

nerve ganglia and so the the virus will

1322

00:59:13,270 --> 00:59:11,690

retreat there until for some reason your

1323

00:59:16,210 --> 00:59:13,280

immunity drops enough or something

1324

00:59:18,190 --> 00:59:16,220

happens to either some stressful and the

1325

00:59:20,289 --> 00:59:18,200

virus will then migrate along the nerve

1326  
00:59:22,390 --> 00:59:20,299  
to where the nerve ends on your skin and

1327  
00:59:25,870 --> 00:59:22,400  
burst through an attack your skin

1328  
00:59:28,720 --> 00:59:25,880  
causing blistering and pain and a nasty

1329  
00:59:31,910 --> 00:59:28,730  
rash and so you'll get a patch of a

1330  
00:59:34,640 --> 00:59:31,920  
patch of blistered

1331  
00:59:37,039 --> 00:59:34,650  
good skin now this can be very

1332  
00:59:39,200 --> 00:59:37,049  
unpleasant anywhere but it can sometimes

1333  
00:59:40,670 --> 00:59:39,210  
occur on the face if it occurs on the

1334  
00:59:42,500 --> 00:59:40,680  
face you can get scarring and

1335  
00:59:44,990 --> 00:59:42,510  
disfigurement and it can even sometimes

1336  
00:59:47,359 --> 00:59:45,000  
affect the eye and you can get herpes

1337  
00:59:50,930 --> 00:59:47,369  
zoster in the eye and you can cause loss

1338  
00:59:53,930 --> 00:59:50,940

of vision look at me quite a a nasty

1339

00:59:55,670 --> 00:59:53,940

late consequence of of infant infection

1340

00:59:57,710 --> 00:59:55,680

with say herpes zoster virus or

1341

00:59:59,930 --> 00:59:57,720

chickenpox many people think God

1342

01:00:03,289 --> 00:59:59,940

chickenpox is a benign illness all my

1343

01:00:05,660 --> 01:00:03,299

family had it in the 50s 60s 70s and 80s

1344

01:00:09,140 --> 01:00:05,670

and you know none of them had anything

1345

01:00:11,539 --> 01:00:09,150

any problem well mostly that's the case

1346

01:00:14,650 --> 01:00:11,549

but two things one is that there is

1347

01:00:17,990 --> 01:00:14,660

still the odd case of herpes zoster

1348

01:00:20,450 --> 01:00:18,000

pneumonia and children have died from

1349

01:00:22,220 --> 01:00:20,460

herpes zoster lung infection when

1350

01:00:24,319 --> 01:00:22,230

everyone thought they just had a you

1351

01:00:26,720 --> 01:00:24,329

know the ordinary old chicken pox but

1352

01:00:29,839 --> 01:00:26,730

then much later on when those same

1353

01:00:32,450 --> 01:00:29,849

infected people reach their 60s 70s and

1354

01:00:35,289 --> 01:00:32,460

80s they can burst out with the nasty

1355

01:00:37,670 --> 01:00:35,299

dose of shingles and it's hoped that the

1356

01:00:41,359 --> 01:00:37,680

herpes zoster virus by preventing

1357

01:00:43,430 --> 01:00:41,369

chickenpox preventing the the actual

1358

01:00:47,690 --> 01:00:43,440

seeding of these viruses into our nerves

1359

01:00:50,960 --> 01:00:47,700

that we might be susceptible to those

1360

01:00:52,789 --> 01:00:50,970

bouts of shingles in later life when my

1361

01:00:55,099 --> 01:00:52,799

son was five weeks old he contracted

1362

01:00:57,609 --> 01:00:55,109

viral meningitis and I spent five

1363

01:01:01,520 --> 01:00:57,619

sleepless nights in the hospital

1364

01:01:04,000 --> 01:01:01,530

listening to him cry and he was bright

1365

01:01:08,539 --> 01:01:04,010

red and you could just tell he was so

1366

01:01:10,400 --> 01:01:08,549

afraid and it was it was a really

1367

01:01:12,200 --> 01:01:10,410

stressful time for me he had a spinal

1368

01:01:15,289 --> 01:01:12,210

tap you don't you don't want to have

1369

01:01:16,970 --> 01:01:15,299

that happen to a tiny little baby and to

1370

01:01:20,120 --> 01:01:16,980

think that there are babies out there

1371

01:01:24,500 --> 01:01:20,130

that it might contract a vaccine

1372

01:01:26,630 --> 01:01:24,510

preventable disease just it terrifies me

1373

01:01:28,430 --> 01:01:26,640

and that's why I vaccinate because I

1374

01:01:30,829 --> 01:01:28,440

want to protect my kids and I want to

1375

01:01:32,900 --> 01:01:30,839

protect other people's kids if there was

1376

01:01:36,170 --> 01:01:32,910

a vaccine for the viral meningitis I

1377

01:01:37,840 --> 01:01:36,180

would have given that to my both of my

1378

01:01:40,900 --> 01:01:37,850

kids no question two

1379

01:01:42,490 --> 01:01:40,910

didn't it was just an awful thing to

1380

01:01:44,080 --> 01:01:42,500

experience and I really don't want to

1381

01:01:47,950 --> 01:01:44,090

wish that on any other parent or any

1382

01:01:49,690 --> 01:01:47,960

other child to go through that you have

1383

01:01:52,030 --> 01:01:49,700

an important decision to make whether to

1384

01:01:54,370 --> 01:01:52,040

vaccinate or not and that makes you very

1385

01:01:56,770 --> 01:01:54,380

lucky for the luxury of having this

1386

01:01:58,630 --> 01:01:56,780

decision was not available to most of

1387

01:02:00,760 --> 01:01:58,640

your ancestors and is still not

1388

01:02:03,040 --> 01:02:00,770

available to parents in many developing

1389

01:02:04,660 --> 01:02:03,050

parts of the world I hope you remember

1390

01:02:07,150 --> 01:02:04,670

the stories from the people in this

1391

01:02:08,560 --> 01:02:07,160

video I hope you'll never know the fear

1392

01:02:10,900 --> 01:02:08,570

and the sorrow that was part of their

1393

01:02:41,120 --> 01:02:10,910

lives and i hope you'll never have to

1394

01:02:41,130 --> 01:03:21,050

you

1395

01:03:28,480 --> 01:03:26,060

Richard 300 episodes almost over and I

1396

01:03:30,980 --> 01:03:28,490

noticed the candy corn is almost gone

1397

01:03:33,380 --> 01:03:30,990

then that's the last time I accept a

1398

01:03:35,330 --> 01:03:33,390

gift from you even without locking it up

1399

01:03:37,280 --> 01:03:35,340

after you've given I do you have eaten

1400

01:03:38,630 --> 01:03:37,290

most of them after giving it and they're

1401

01:03:39,920 --> 01:03:38,640

very tasty I don't know why they don't

1402

01:03:42,500 --> 01:03:39,930

have them here in all the shops they're

1403

01:03:44,570 --> 01:03:42,510

really good yeah um uh maybe we should

1404

01:03:46,340 --> 01:03:44,580

start in port importing yeah I think to

1405

01:03:47,660 --> 01:03:46,350

open up another arm of the skipped exam

1406

01:03:49,070 --> 01:03:47,670

yeah now i'm gonna i'm going to

1407

01:03:50,630 --> 01:03:49,080

affectionately import actually talk

1408

01:03:52,820 --> 01:03:50,640

about confectioner i'm gonna use this my

1409

01:03:56,240 --> 01:03:52,830

own podcast for blatant plug so i'm

1410

01:03:57,740 --> 01:03:56,250

alone so why not it for it those of you

1411

01:03:59,510 --> 01:03:57,750

in the states have a look around the

1412

01:04:03,290 --> 01:03:59,520

shops you might notice a new chocolate

1413

01:04:05,690 --> 01:04:03,300

arrived called Yowies yeah uh-huh and

1414

01:04:09,170 --> 01:04:05,700

these are the chocolates you open up and

1415

01:04:11,510 --> 01:04:09,180

inside is a nice little plastic animal

1416

01:04:13,580 --> 01:04:11,520

and australian it Oh stray lien animals

1417

01:04:15,380 --> 01:04:13,590

worldwide animals uh-huh yeah and the

1418

01:04:17,030 --> 01:04:15,390

chocolates great and the only reason I

1419

01:04:20,060 --> 01:04:17,040

mentioned it is because my brother is

1420

01:04:22,160 --> 01:04:20,070

the zoology logical advice sultan

1421

01:04:24,470 --> 01:04:22,170

consultant so he's still going for it

1422

01:04:26,150 --> 01:04:24,480

with the Yowie they used to be sold here

1423

01:04:27,740 --> 01:04:26,160

Australian Air successful and now

1424

01:04:30,230 --> 01:04:27,750

they're being launched in the States oh

1425

01:04:34,340 --> 01:04:30,240

yeah I was working with Jeff many like

1426

01:04:36,740 --> 01:04:34,350

way back on the the first website back

1427

01:04:39,080 --> 01:04:36,750

really 1998 or something crazy I

1428

01:04:40,610 --> 01:04:39,090

remember that yeah good heavenly what a

1429

01:04:42,440 --> 01:04:40,620

small world what is but anyway they're

1430

01:04:45,160 --> 01:04:42,450

back check him out yeah he's a bad a

1431

01:04:47,630 --> 01:04:45,170

huge they're good yeah and the education

1432

01:04:49,100 --> 01:04:47,640

whereas years ago here in Australia when

1433

01:04:50,570 --> 01:04:49,110

you open up the little chocolate and

1434

01:04:52,880 --> 01:04:50,580

inside there was a little figure you

1435

01:04:55,190 --> 01:04:52,890

snapped together yeah the arms and legs

1436

01:04:57,350 --> 01:04:55,200

that yeah these ones are the complete

1437

01:05:01,730 --> 01:04:57,360

all right model but they absolutely

1438

01:05:04,220 --> 01:05:01,740

lifelike ah amazingly 3d printer does

1439

01:05:06,770 --> 01:05:04,230

well maybe but you know when you put it

1440

01:05:08,330 --> 01:05:06,780

down they look like if you sort of shut

1441

01:05:09,920 --> 01:05:08,340

your house and your eyes they like a

1442

01:05:11,570 --> 01:05:09,930

little animal sitting on the table are

1443

01:05:13,250 --> 01:05:11,580

all the proportions are created the

1444

01:05:15,560 --> 01:05:13,260

colors are correct in

1445

01:05:17,540 --> 01:05:15,570

yeah it's astonishing that's amazing

1446

01:05:18,920 --> 01:05:17,550

anyway as educational to add their

1447

01:05:20,690 --> 01:05:18,930

education a try to introduce all the

1448

01:05:21,860 --> 01:05:20,700

different features and things to the

1449

01:05:23,930 --> 01:05:21,870

kids yeah so there you go a little

1450

01:05:26,240 --> 01:05:23,940

little plug if you want to write to me

1451  
01:05:28,790 --> 01:05:26,250  
and accuse me of what is it the conflict

1452  
01:05:30,260 --> 01:05:28,800  
of interest and favoritism and you can

1453  
01:05:32,690 --> 01:05:30,270  
write to somebody else I don't get I'll

1454  
01:05:34,730 --> 01:05:32,700  
just just like a little vaccination goes

1455  
01:05:36,080 --> 01:05:34,740  
down with the sugar yeah so does a

1456  
01:05:38,150 --> 01:05:36,090  
little bit of science go down with an

1457  
01:05:41,060 --> 01:05:38,160  
egg full of chocolate does now before we

1458  
01:05:43,310 --> 01:05:41,070  
go yes I needed to clear up some bit of

1459  
01:05:45,550 --> 01:05:43,320  
confusion out there it's a minor little

1460  
01:05:49,460 --> 01:05:45,560  
bit of confusion the skeptic zone is a

1461  
01:05:53,060 --> 01:05:49,470  
private venture by me with your help and

1462  
01:05:55,100 --> 01:05:53,070  
other people in waters and is not ah is

1463  
01:05:56,810 --> 01:05:55,110

na VI affiliated with the Australian

1464

01:05:58,580 --> 01:05:56,820

skeptics a lot of people get to design a

1465

01:06:01,730 --> 01:05:58,590

pendant productions independent so the

1466

01:06:03,890 --> 01:06:01,740

views and I'm going to do a new tail is

1467

01:06:05,540 --> 01:06:03,900

lame a disclaimer soon basically the

1468

01:06:07,280 --> 01:06:05,550

views and opinions expressed on the

1469

01:06:09,890 --> 01:06:07,290

skeptics on a not necessarily those of

1470

01:06:12,080 --> 01:06:09,900

Australian skeptics and vice versa I'm

1471

01:06:13,760 --> 01:06:12,090

glad you cleared it up it's good a few Z

1472

01:06:15,740 --> 01:06:13,770

because I'm in the skeptics Iran's in

1473

01:06:17,300 --> 01:06:15,750

despair dr. ray cheese and the skeptics

1474

01:06:19,040 --> 01:06:17,310

look a lot of people got a bit confused

1475

01:06:20,480 --> 01:06:19,050

about that but no it's two different

1476

01:06:21,830 --> 01:06:20,490

tune ofazines yeah well that's good

1477

01:06:24,020 --> 01:06:21,840

because I was armed with a whole stack

1478

01:06:26,960 --> 01:06:24,030

full of lawsuit against the rest of the

1479

01:06:29,090 --> 01:06:26,970

team and I thought I'd be able to get

1480

01:06:31,280 --> 01:06:29,100

tap into the skeptics a bank account oh

1481

01:06:33,080 --> 01:06:31,290

she's like what happens I'm not gonna

1482

01:06:36,260 --> 01:06:33,090

have it's all independent and I ain't no

1483

01:06:38,750 --> 01:06:36,270

any money so before we go I guess our

1484

01:06:40,280 --> 01:06:38,760

biggest things must stay and go to a

1485

01:06:42,800 --> 01:06:40,290

listen listeners who have been with us

1486

01:06:44,720 --> 01:06:42,810

now well many of you of course many of

1487

01:06:46,100 --> 01:06:44,730

you have only recently learned about it

1488

01:06:47,570 --> 01:06:46,110

or over the years but there are

1489

01:06:50,420 --> 01:06:47,580

listeners out there who've been with the

1490

01:06:53,240 --> 01:06:50,430

show for the 300 episodes grass together

1491

01:06:54,710 --> 01:06:53,250

we have since 2008 yeah yeah I actually

1492

01:06:59,480 --> 01:06:54,720

I've grown up a lot since I was four

1493

01:07:02,620 --> 01:06:59,490

teeth boy you go what about it I'm grown

1494

01:07:05,270 --> 01:07:02,630

up quite a lot since I was forty-five he

1495

01:07:08,510 --> 01:07:05,280

was only 22 in the show started myself

1496

01:07:10,310 --> 01:07:08,520

but I can feel ya the listeners because

1497

01:07:11,450 --> 01:07:10,320

they're they're the ones who listen

1498

01:07:13,250 --> 01:07:11,460

they're the ones who download the show

1499

01:07:14,390 --> 01:07:13,260

keep the figures up who helped

1500

01:07:16,280 --> 01:07:14,400

contribute some of them with

1501

01:07:18,050 --> 01:07:16,290

micropayments which is really appreciate

1502

01:07:21,140 --> 01:07:18,060

that I appreciate it very much I'll

1503

01:07:24,170 --> 01:07:21,150

spread the word and you're the people

1504

01:07:25,380 --> 01:07:24,180

who put your headphones on or you're in

1505

01:07:27,600 --> 01:07:25,390

your car and

1506

01:07:29,790 --> 01:07:27,610

and always yearning and consistently and

1507

01:07:32,340 --> 01:07:29,800

what's great is I think that we probably

1508

01:07:34,380 --> 01:07:32,350

spawned a few other skeptic shows around

1509

01:07:36,510 --> 01:07:34,390

the place to just showing that it can be

1510

01:07:39,240 --> 01:07:36,520

done yeah we're part of that sort of

1511

01:07:41,520 --> 01:07:39,250

overall skeptical movement of this

1512

01:07:43,290 --> 01:07:41,530

information dissemination yeah yeah the

1513

01:07:44,580 --> 01:07:43,300

entertainment as well which case it's

1514

01:07:46,470 --> 01:07:44,590

part of the cultural sites about

1515

01:07:48,000 --> 01:07:46,480

absolutely i like to think the show's

1516

01:07:49,950 --> 01:07:48,010

entertaining as well yeah but it but

1517

01:07:51,900 --> 01:07:49,960

it's actually if you look through the

1518

01:07:54,390 --> 01:07:51,910

history since the show started it's been

1519

01:07:56,490 --> 01:07:54,400

quite a few breakthroughs at landmark

1520

01:07:58,170 --> 01:07:56,500

decisions and you know the ER begins the

1521

01:07:59,880 --> 01:07:58,180

activex yes man and a lot of that

1522

01:08:01,800 --> 01:07:59,890

product oh yeah yeah it means like

1523

01:08:03,990 --> 01:08:01,810

legislated against yeah something so

1524

01:08:05,700 --> 01:08:04,000

that it's actually making a difference I

1525

01:08:07,500 --> 01:08:05,710

think so I I hope so and just as we

1526

01:08:09,900 --> 01:08:07,510

speak and another message from Britt

1527

01:08:12,630 --> 01:08:09,910

skeptic am Lauren Cochrane the president

1528

01:08:15,330 --> 01:08:12,640

of camera skeptics is up to speak next

1529

01:08:18,420 --> 01:08:15,340

in Brisbane good for you are excellent

1530

01:08:22,050 --> 01:08:18,430

and then reporter Joe alabaster sending

1531

01:08:24,120 --> 01:08:22,060

sending hugs so isn't that the Time Lord

1532

01:08:26,760 --> 01:08:24,130

rides again we're here we're doing the

1533

01:08:28,170 --> 01:08:26,770

altro of the show announcing what's in

1534

01:08:30,450 --> 01:08:28,180

the show that hasn't been put together

1535

01:08:32,400 --> 01:08:30,460

yet this is phenomenal you don't know

1536

01:08:33,990 --> 01:08:32,410

folks you have no idea what goes on

1537

01:08:36,090 --> 01:08:34,000

behind the scenes let's get exam you

1538

01:08:37,710 --> 01:08:36,100

have no idea well we've been we better

1539

01:08:40,920 --> 01:08:37,720

move on and look forward to the episode

1540

01:08:43,470 --> 01:08:40,930

301 300 about six years time that's

1541

01:08:48,379 --> 01:08:43,480

right that's next week next week okay

1542

01:08:55,459 --> 01:08:50,419

you've been listening to the skeptic

1543

01:08:58,489 --> 01:08:55,469

zone visit our website at WWF digs on TV

1544

01:09:01,410 --> 01:08:58,499

for comments contacts and extra video

1545

01:09:01,420 --> 01:09:05,599

skin

1546

01:09:22,890 --> 01:09:12,689

Oh

1547

01:09:31,360 --> 01:09:28,270

so as I said then that moo moo that's

1548

01:09:32,800 --> 01:09:31,370

recording yeah that's oh that's so what

1549

01:09:35,050 --> 01:09:32,810

you'll hear on the show is that straight

1550

01:09:38,230 --> 01:09:35,060

off welcome to the episode three hundred

1551

01:09:39,760 --> 01:09:38,240

this massive crowd go nuts for like 30

1552

01:09:42,040 --> 01:09:39,770

seconds or something then fades music

1553

01:09:50,200 --> 01:09:42,050

Kingdom let's go here you go so we're

1554

01:09:51,760 --> 01:09:50,210

just done and Stefan so get are we doing

1555

01:09:54,370 --> 01:09:51,770

my Frank's years ago we were sitting

1556

01:09:56,470 --> 01:09:54,380

here six years ago trying to think of

1557

01:09:57,970 --> 01:09:56,480

how to introduce kept exactly start the

1558

01:10:00,640 --> 01:09:57,980

skeptics are you saw the skeptics out

1559

01:10:04,240 --> 01:10:00,650

but we've done it now for 300 is this