

**SKEPTIC
ZONE**



**THINKING CAPS
MUST BE WORN
IN THIS AREA**

The
Podcast
from
Australia
for
Science
and
Reason

www.skepticzone.tv

1
00:00:07,440 --> 00:00:20,290

I

2
00:00:25,760 --> 00:00:23,030

hello and welcome to the skeptic zone

3
00:00:29,150 --> 00:00:25,770

show number 61 for the eighteenth of

4
00:00:31,910 --> 00:00:29,160

December 2009 Richard Saunders here with

5
00:00:34,280 --> 00:00:31,920

you once again on today's episode we

6
00:00:36,860 --> 00:00:34,290

have an interview with Jack of Kent the

7
00:00:39,410 --> 00:00:36,870

famous British blogger conducted by

8
00:00:42,229 --> 00:00:39,420

Kylie Sturgis that's followed by a

9
00:00:44,600 --> 00:00:42,239

little ease dropping into the skeptics

10
00:00:47,000 --> 00:00:44,610

Christmas party we interviewed Peter

11
00:00:49,220 --> 00:00:47,010

ratbags bowditch and then we hear a

12
00:00:51,670 --> 00:00:49,230

little talk by our very own dr. Rachel

13
00:00:54,530 --> 00:00:51,680

giving an overview of the years activity

14

00:00:56,600 --> 00:00:54,540

after that we have the token skeptic a

15

00:00:59,270 --> 00:00:56,610

round up of some interesting books again

16

00:01:02,319 --> 00:00:59,280

with Kylie Sturgis followed by dr.

17

00:01:05,960 --> 00:01:02,329

Reggie reports all about thermography

18

00:01:08,210 --> 00:01:05,970

thermography and to wind up the show we

19

00:01:12,380 --> 00:01:08,220

have a little snippet from dr. H E and

20

00:01:14,570 --> 00:01:12,390

myself on Sydney radio so sit back have

21

00:01:28,950 --> 00:01:14,580

a nice glass of frosty root beer and

22

00:01:34,420 --> 00:01:32,590

I'm Carly Sturgis and it has now been 18

23

00:01:37,420 --> 00:01:34,430

months since Simon Singh was sued for

24

00:01:39,100 --> 00:01:37,430

libel in the UK he is continuing to

25

00:01:41,080 --> 00:01:39,110

fight his case and is prepared to defend

26

00:01:44,440 --> 00:01:41,090

his article for another 18 months or

27

00:01:46,539 --> 00:01:44,450

more if necessary over 20,000 people

28

00:01:48,550 --> 00:01:46,549

signed the statement to keep libel laws

29

00:01:53,139 --> 00:01:48,560

out of science but now they need more

30

00:01:56,469 --> 00:01:53,149

people to sign up at WWE will reform org

31

00:01:58,600 --> 00:01:56,479

the Jack of Kent blog authored by Alan

32

00:02:00,699 --> 00:01:58,610

Green a freelance legal writer working

33

00:02:02,859 --> 00:02:00,709

in London has been keeping people

34

00:02:10,930 --> 00:02:02,869

updated he speaks to us now for the

35

00:02:13,180 --> 00:02:10,940

skeptic zone firstly thank you for being

36

00:02:15,970 --> 00:02:13,190

on our show your side Jack of Kemp

37

00:02:17,979 --> 00:02:15,980

blogspot com features skeptical and

38

00:02:19,960 --> 00:02:17,989

liberal views on both public debates and

39

00:02:22,930 --> 00:02:19,970

legal issues what's it like being both a

40

00:02:26,130 --> 00:02:22,940

skeptic and a lawyer in the UK thank you

41

00:02:29,259 --> 00:02:26,140

for having me Oh for a long time I

42

00:02:32,259 --> 00:02:29,269

suppose I more or less kept my lawyer

43

00:02:36,610 --> 00:02:32,269

ISM and skepticism in in separate boxes

44

00:02:38,380 --> 00:02:36,620

I went along to skeptics in the pub in

45

00:02:40,300 --> 00:02:38,390

London in the olden days when it was

46

00:02:43,990 --> 00:02:40,310

just south of London Bridge and

47

00:02:46,690 --> 00:02:44,000

organised by Nick puller I spoke there

48

00:02:50,559 --> 00:02:46,700

about witchcraft law or religious hatred

49

00:02:53,590 --> 00:02:50,569

law but what I really didn't regard the

50

00:02:57,729 --> 00:02:53,600

overlap between law and skepticism as as

51
00:03:01,690 --> 00:02:57,739
really that important and then the Simon

52
00:03:05,080 --> 00:03:01,700
think a case happened and I I realized

53
00:03:07,180 --> 00:03:05,090
that my legal background could help

54
00:03:11,680 --> 00:03:07,190
skeptics and and perhaps the public

55
00:03:15,809 --> 00:03:11,690
generally understand how certain public

56
00:03:19,990 --> 00:03:15,819
debates were being closed down or

57
00:03:22,379 --> 00:03:20,000
distorted because of legal actions or or

58
00:03:27,490 --> 00:03:22,389
just legal threats or the worry about

59
00:03:28,520 --> 00:03:27,500
legal threats so being both a lawyer and

60
00:03:32,360 --> 00:03:28,530
a skeptic

61
00:03:35,120 --> 00:03:32,370
became became quite important and so

62
00:03:38,720 --> 00:03:35,130
iris led to the interest in magic of

63
00:03:42,020 --> 00:03:38,730

Kent blog and also getting Westminster

64

00:03:46,600 --> 00:03:42,030

skeptics off the ground which is a group

65

00:03:49,280 --> 00:03:46,610

devoted to law policy and media issues

66

00:03:51,559 --> 00:03:49,290

you're also very active on Twitter and

67

00:03:53,690 --> 00:03:51,569

many of us who follow you at Jack of

68

00:03:55,490 --> 00:03:53,700

Kent have been intrigued by the news at

69

00:03:57,979 --> 00:03:55,500

the case of the British Chiropractic

70

00:04:00,020 --> 00:03:57,989

Association against Simon Singh is now

71

00:04:01,729 --> 00:04:00,030

likely to make legal history due to

72

00:04:04,520 --> 00:04:01,739

changes to the court of appeal panel

73

00:04:08,000 --> 00:04:04,530

what will that mean this is incredible

74

00:04:10,640 --> 00:04:08,010

news from a lawyer's point of view Simon

75

00:04:13,699 --> 00:04:10,650

Singh has successfully obtained

76

00:04:16,580 --> 00:04:13,709

permission to appeal on a preliminary

77

00:04:19,280 --> 00:04:16,590

point in the High Court him the

78

00:04:22,640 --> 00:04:19,290

preliminary point is what is what's his

79

00:04:25,510 --> 00:04:22,650

article actually means and the reason

80

00:04:29,420 --> 00:04:25,520

why this is at a preliminary point is

81

00:04:31,879 --> 00:04:29,430

that if his article or V alleged

82

00:04:34,909 --> 00:04:31,889

defamatory statements are our sentence

83

00:04:38,150 --> 00:04:34,919

of fact he then has to justify them has

84

00:04:42,500 --> 00:04:38,160

to prove them to be correct however if

85

00:04:45,980 --> 00:04:42,510

what he said is taken to be comment all

86

00:04:48,880 --> 00:04:45,990

he has to do is show that he was

87

00:04:51,860 --> 00:04:48,890

commenting fairly on something so

88

00:04:54,279 --> 00:04:51,870

basically we the burden Simon currently

89

00:04:58,250 --> 00:04:54,289

houses because of the high court walling

90

00:05:05,390 --> 00:04:58,260

he has to show as a fact that the BCA

91

00:05:08,570 --> 00:05:05,400

were knowingly dishonest this has now

92

00:05:10,370 --> 00:05:08,580

gone to the court of appeal but is still

93

00:05:12,710 --> 00:05:10,380

only appealingly point it isn't a full

94

00:05:16,610 --> 00:05:12,720

substantive appeal of a decided case and

95

00:05:19,250 --> 00:05:16,620

so it is exceptional to have senior

96

00:05:22,090 --> 00:05:19,260

judges involved but to have the very

97

00:05:25,060 --> 00:05:22,100

senior judges

98

00:05:27,520 --> 00:05:25,070

but Lord Chief Justice and the master of

99

00:05:29,620 --> 00:05:27,530

the volumes as well as for Stephen

100

00:05:32,470 --> 00:05:29,630

steadily who has got the most incredible

101

00:05:36,010 --> 00:05:32,480

intellectual reputation to sit together

102

00:05:41,380 --> 00:05:36,020

on an appeal from a preliminary point is

103

00:05:44,500 --> 00:05:41,390

as far as i know are unprecedented what

104

00:05:47,710 --> 00:05:44,510

this means is that the significance of

105

00:05:50,050 --> 00:05:47,720

the judgment will is potentially quite

106

00:05:52,180 --> 00:05:50,060

quite quite great it doesn't

107

00:05:54,370 --> 00:05:52,190

unfortunately let us see which way the

108

00:05:56,470 --> 00:05:54,380

court of appeals going to jump it is

109

00:06:00,390 --> 00:05:56,480

conceivable that they could still come

110

00:06:06,610 --> 00:06:00,400

down against Simon Singh and and uphold

111

00:06:09,280 --> 00:06:06,620

the Mr Justice cds ruling on meaning but

112

00:06:13,810 --> 00:06:09,290

the fact that they are together means

113

00:06:18,750 --> 00:06:13,820

means that something important is is is

114

00:06:22,660 --> 00:06:18,760

a foot on the 22nd or 23rd of February's

115

00:06:25,410 --> 00:06:22,670

there will be argument on on what is

116

00:06:27,790 --> 00:06:25,420

fair comment what is justification

117

00:06:30,670 --> 00:06:27,800

especially when it can be taken that

118

00:06:34,990 --> 00:06:30,680

allegations of dishonesty are being made

119

00:06:38,710 --> 00:06:35,000

against corporations and so whatever the

120

00:06:40,300 --> 00:06:38,720

results of the Court of Appeal it does

121

00:06:43,240 --> 00:06:40,310

seem to be that it's going to be quite

122

00:06:45,460 --> 00:06:43,250

significant for journalists going

123

00:06:47,440 --> 00:06:45,470

forward there will be a lot more clarity

124

00:06:49,900 --> 00:06:47,450

in this area of law thanks thanks to

125

00:06:52,000 --> 00:06:49,910

this judgment I think everybody just you

126
00:06:55,300 --> 00:06:52,010
know it's hoping that they comes down

127
00:07:04,080 --> 00:06:55,310
quite heavily on the side of of Simon

128
00:07:06,760 --> 00:07:04,090
Singh who has been incredibly intense

129
00:07:09,070 --> 00:07:06,770
what would be a best case scenario for

130
00:07:11,110 --> 00:07:09,080
science communication if the keep libel

131
00:07:13,810 --> 00:07:11,120
laws out of science case does succeed

132
00:07:16,000 --> 00:07:13,820
that is a very interesting question I

133
00:07:19,330 --> 00:07:16,010
don't think science communication should

134
00:07:22,270 --> 00:07:19,340
have any sort of privilege by which I

135
00:07:25,360 --> 00:07:22,280
mean I don't think just because the

136
00:07:28,510 --> 00:07:25,370
person writing it or communicating

137
00:07:31,150 --> 00:07:28,520
something is a scientist or it's about a

138
00:07:34,450 --> 00:07:31,160

scientific topic it thereby is

139

00:07:37,720 --> 00:07:34,460

absolutely immune from lawsuit what I do

140

00:07:40,870 --> 00:07:37,730

think would be helpful for science

141

00:07:43,450 --> 00:07:40,880

communication or any type of

142

00:07:47,290 --> 00:07:43,460

communication is there to be a proper

143

00:07:51,040 --> 00:07:47,300

public interest defense obvious I mean

144

00:07:55,450 --> 00:07:51,050

if a communication goes to a debate or

145

00:07:58,320 --> 00:07:55,460

an issue of any public importance public

146

00:08:00,820 --> 00:07:58,330

health Public Safety scientific research

147

00:08:05,740 --> 00:08:00,830

technological change the conduct of

148

00:08:07,540 --> 00:08:05,750

international corporations then as long

149

00:08:11,200 --> 00:08:07,550

as that communication has not been done

150

00:08:15,780 --> 00:08:11,210

maliciously the velour should provide

151
00:08:17,620 --> 00:08:15,790
for a general public interest defense

152
00:08:21,400 --> 00:08:17,630
availability of this defense would have

153
00:08:24,700 --> 00:08:21,410
have a great effect it would mean that

154
00:08:26,710 --> 00:08:24,710
no longer could people bring a libel

155
00:08:27,790 --> 00:08:26,720
case and if people could no longer being

156
00:08:30,850 --> 00:08:27,800
a libel case that means that they no

157
00:08:34,060 --> 00:08:30,860
longer can threaten the libel case and

158
00:08:37,750 --> 00:08:34,070
if people cannot threaten libel cases

159
00:08:39,580 --> 00:08:37,760
then people whitening things wanting to

160
00:08:41,320 --> 00:08:39,590
publish important things things which

161
00:08:44,830 --> 00:08:41,330
other people might want to read and

162
00:08:46,900 --> 00:08:44,840
inform their decisions would not be so

163
00:08:50,290 --> 00:08:46,910

inhibited there would be very little

164

00:08:52,120 --> 00:08:50,300

liable chill and so a general public

165

00:08:55,500 --> 00:08:52,130

interest defense I think would be the

166

00:08:59,680 --> 00:08:55,510

best case scenario for the science

167

00:09:01,900 --> 00:08:59,690

communication in particular but a number

168

00:09:03,880 --> 00:09:01,910

of other forms of communication more

169

00:09:06,190 --> 00:09:03,890

generally you've also recently

170

00:09:08,410 --> 00:09:06,200

investigated the prosecution and likely

171

00:09:09,970 --> 00:09:08,420

sentencing of poor Clark who is a former

172

00:09:11,560 --> 00:09:09,980

soldier who was charged for the

173

00:09:13,540 --> 00:09:11,570

possession of a shotgun when he handed

174

00:09:15,130 --> 00:09:13,550

in his lost property and now he

175

00:09:17,410 --> 00:09:15,140

potentially faces five years

176
00:09:19,060 --> 00:09:17,420
imprisonment for doing so it's become a

177
00:09:21,040 --> 00:09:19,070
trending topic on Twitter and you

178
00:09:22,960 --> 00:09:21,050
mentioned how useful blogging is in

179
00:09:25,270 --> 00:09:22,970
raising awareness what's being the

180
00:09:27,730 --> 00:09:25,280
overall response I think the poor Clark

181
00:09:30,970 --> 00:09:27,740
case showed what difference legal

182
00:09:33,150 --> 00:09:30,980
blogging can make this was a story which

183
00:09:35,140 --> 00:09:33,160
have been reported in a local newspaper

184
00:09:36,370 --> 00:09:35,150
which hadn't been picked up by the

185
00:09:39,460 --> 00:09:36,380
mainstream media

186
00:09:41,770 --> 00:09:39,470
but one where a lot of people including

187
00:09:45,010 --> 00:09:41,780
celebrities on Twitter seemed very

188
00:09:48,040 --> 00:09:45,020

quickly to have very strong opinions it

189

00:09:51,580 --> 00:09:48,050

seemed at least counterintuitive that

190

00:09:53,860 --> 00:09:51,590

somebody was facing a mandatory five

191

00:09:55,510 --> 00:09:53,870

year sentence went on the face of it all

192

00:10:01,120 --> 00:09:55,520

they had done was go to a police station

193

00:10:02,920 --> 00:10:01,130

to to hand a weapon in and so knowing

194

00:10:06,400 --> 00:10:02,930

what sort of questions to ask what sort

195

00:10:11,800 --> 00:10:06,410

of evidence you can get I I got in touch

196

00:10:15,700 --> 00:10:11,810

with mr. Clark solicitor with the crown

197

00:10:17,620 --> 00:10:15,710

prosecution service with the local

198

00:10:20,140 --> 00:10:17,630

police force to actually get their

199

00:10:23,250 --> 00:10:20,150

statements and and put them into the

200

00:10:26,500 --> 00:10:23,260

public domain not in a particularly

201
00:10:29,410 --> 00:10:26,510
opinionated way but just actually just

202
00:10:32,260 --> 00:10:29,420
laying out the evidence so you could

203
00:10:34,690 --> 00:10:32,270
form your own view on whether there was

204
00:10:36,190 --> 00:10:34,700
an injustice in this case mr. Clark is

205
00:10:39,970 --> 00:10:36,200
going to be sentenced for a week before

206
00:10:41,290 --> 00:10:39,980
Christmas and it may well be that he it

207
00:10:43,150 --> 00:10:41,300
is found that there's exceptional

208
00:10:45,070 --> 00:10:43,160
circumstances which warrant for

209
00:10:48,640 --> 00:10:45,080
mandatory sentence of five years not

210
00:10:53,140 --> 00:10:48,650
being imposed upon posed on him my own

211
00:10:54,610 --> 00:10:53,150
personal view is is is that a whole

212
00:10:57,760 --> 00:10:54,620
combination of things have come together

213
00:10:59,950 --> 00:10:57,770

to mean that mr. Clark's facing this at

214

00:11:02,140 --> 00:10:59,960

went at a time when he's version of

215

00:11:03,580 --> 00:11:02,150

events that he found the gun at the

216

00:11:05,470 --> 00:11:03,590

bottom of his guard and unjust went to a

217

00:11:06,850 --> 00:11:05,480

police force and it it has not actually

218

00:11:09,370 --> 00:11:06,860

been challenged there's been no

219

00:11:13,330 --> 00:11:09,380

cross-examination of it at all it's the

220

00:11:15,040 --> 00:11:13,340

only version of events at play here but

221

00:11:16,810 --> 00:11:15,050

the way a number of things have come

222

00:11:21,550 --> 00:11:16,820

together you may end up serving five

223

00:11:23,230 --> 00:11:21,560

years and I think we need to think very

224

00:11:25,900 --> 00:11:23,240

carefully about the exercises of

225

00:11:29,530 --> 00:11:25,910

discretion which lead to somebody being

226

00:11:31,480 --> 00:11:29,540

put in maps back predicament as regards

227

00:11:34,360 --> 00:11:31,490

my blog more more generally I'm

228

00:11:38,860 --> 00:11:34,370

absolutely delighted that it's become so

229

00:11:41,230 --> 00:11:38,870

popular I find the blog post side divot

230

00:11:44,560 --> 00:11:41,240

are the most popular and the most

231

00:11:46,300 --> 00:11:44,570

rewarding to white and probably for most

232

00:11:48,009 --> 00:11:46,310

interesting for other people to read or

233

00:11:50,319 --> 00:11:48,019

not when I'm expect

234

00:11:52,419 --> 00:11:50,329

an opinion I'm not terribly sure my

235

00:11:54,549 --> 00:11:52,429

opinions really about more important

236

00:11:56,829 --> 00:11:54,559

than anybody else's but it's when I set

237

00:11:59,619 --> 00:11:56,839

out the information which allows

238

00:12:01,840 --> 00:11:59,629

somebody else to form their view and so

239

00:12:05,949 --> 00:12:01,850

with legal blogging on simon sings case

240

00:12:07,799 --> 00:12:05,959

on poor Clark's case on the night jack

241

00:12:11,650 --> 00:12:07,809

case about privacy of bloggers and

242

00:12:14,949 --> 00:12:11,660

hopefully others what I've been able to

243

00:12:16,869 --> 00:12:14,959

do is by explaining the law explaining

244

00:12:20,650 --> 00:12:16,879

why decisions are made in a certain way

245

00:12:22,269 --> 00:12:20,660

then people can go way and you know be

246

00:12:25,869 --> 00:12:22,279

more informed about their own views

247

00:12:31,359 --> 00:12:25,879

whatever those views those views may be

248

00:12:32,919 --> 00:12:31,369

and I think blogging adds value when it

249

00:12:35,619 --> 00:12:32,929

says something which can't be said

250

00:12:37,569 --> 00:12:35,629

elsewhere there were some fantastic

251
00:12:40,949 --> 00:12:37,579
opinionated bloggers I just don't think

252
00:12:43,600 --> 00:12:40,959
I'm terribly good at expressing opinions

253
00:12:46,600 --> 00:12:43,610
but there are also some extremely good

254
00:12:49,090 --> 00:12:46,610
science bloggers and also non-science

255
00:12:51,129 --> 00:12:49,100
bloggers in humanities who are just

256
00:12:54,369 --> 00:12:51,139
explaining things which for mainstream

257
00:12:58,210 --> 00:12:54,379
media are missing for one reason or

258
00:13:00,579 --> 00:12:58,220
another and so the response to my blog I

259
00:13:04,179 --> 00:13:00,589
think just shows that you know people

260
00:13:05,980 --> 00:13:04,189
aren't idiots people do want to to find

261
00:13:08,590 --> 00:13:05,990
out information for themselves for them

262
00:13:09,879 --> 00:13:08,600
to form form their own own views and I

263
00:13:12,100 --> 00:13:09,889

think this is something blogging can do

264

00:13:13,720 --> 00:13:12,110

a lot more easily than the mainstream

265

00:13:16,059 --> 00:13:13,730

media because there's no commercial

266

00:13:18,639 --> 00:13:16,069

pressure on you to blog and there's no

267

00:13:19,869 --> 00:13:18,649

editorial pressure you you just blog

268

00:13:22,150 --> 00:13:19,879

because you think with something which

269

00:13:25,269 --> 00:13:22,160

you can actually add to a debate which

270

00:13:27,160 --> 00:13:25,279

you've not seen done elsewhere finally

271

00:13:29,259 --> 00:13:27,170

you're working on a book called bad law

272

00:13:31,809 --> 00:13:29,269

maybe in the spirit of bad science and

273

00:13:33,909 --> 00:13:31,819

bad astronomy which will focus on how

274

00:13:35,980 --> 00:13:33,919

people seek to exploit the coercion of

275

00:13:39,639 --> 00:13:35,990

law what can you tell us about that oh

276

00:13:42,789 --> 00:13:39,649

I'm a huge fan of Bad Astronomy and and

277

00:13:47,470 --> 00:13:42,799

bad science and Emmas also John Donny's

278

00:13:51,000 --> 00:13:47,480

great website bad psychics I what I'm

279

00:13:54,330 --> 00:13:51,010

hoping to do with the the bad law book

280

00:13:58,320 --> 00:13:54,340

is to try and show that law is also a

281

00:14:00,000 --> 00:13:58,330

subject which one can think critically

282

00:14:04,530 --> 00:14:00,010

about it's not something that should be

283

00:14:10,200 --> 00:14:04,540

just left to to to the experts and so

284

00:14:16,220 --> 00:14:10,210

I've selected eight areas witchcraft law

285

00:14:19,860 --> 00:14:16,230

blasphemy law obscenity prostitution

286

00:14:24,420 --> 00:14:19,870

sexuality and gender copywriting and

287

00:14:26,190 --> 00:14:24,430

libel where it looks on the face of it

288

00:14:30,480 --> 00:14:26,200

that something's going wrong with the

289

00:14:32,760 --> 00:14:30,490

law of laws not working not working well

290

00:14:35,160 --> 00:14:32,770

it's working in an unsustainable way it

291

00:14:38,190 --> 00:14:35,170

would appear that the law is being used

292

00:14:40,140 --> 00:14:38,200

serve certain ulterior purposes either

293

00:14:42,240 --> 00:14:40,150

normative purposes or commercial

294

00:14:45,450 --> 00:14:42,250

purposes and it's just it's just seems

295

00:14:47,700 --> 00:14:45,460

to be breaking down and what I want to

296

00:14:48,960 --> 00:14:47,710

do with a book is trying to show whether

297

00:14:51,150 --> 00:14:48,970

this is the case whether they are

298

00:14:55,440 --> 00:14:51,160

actually examples of bad law or whether

299

00:14:57,930 --> 00:14:55,450

they're being mistaken in fact sometimes

300

00:15:01,020 --> 00:14:57,940

even being misled by how the media

301

00:15:04,920 --> 00:15:01,030

report these areas of law and if these

302

00:15:06,810 --> 00:15:04,930

are examples of bad law laws which you

303

00:15:09,540 --> 00:15:06,820

know shouldn't be there or should be in

304

00:15:15,180 --> 00:15:09,550

a very different form than how we go

305

00:15:17,610 --> 00:15:15,190

about reforming those areas of law it

306

00:15:21,080 --> 00:15:17,620

must be said writing a book is a little

307

00:15:25,740 --> 00:15:21,090

bit more time consuming than writing a

308

00:15:28,890 --> 00:15:25,750

blog but question which as you as you

309

00:15:31,170 --> 00:15:28,900

mention in the question you've posed me

310

00:15:34,650 --> 00:15:31,180

which fascinates me is help people

311

00:15:37,980 --> 00:15:34,660

resort to the corrosion of the law on

312

00:15:40,620 --> 00:15:37,990

certain issues it's terribly easy for

313

00:15:44,130 --> 00:15:40,630

for people to say this should be banned

314

00:15:46,020 --> 00:15:44,140

or that shouldn't be allowed but but

315

00:15:47,760 --> 00:15:46,030

when you ban something you don't

316

00:15:49,940 --> 00:15:47,770

actually eliminate it you don't

317

00:15:52,430 --> 00:15:49,950

extinguish it it doesn't cease to be

318

00:15:56,580 --> 00:15:52,440

what it means is that any of it

319

00:15:59,660 --> 00:15:56,590

incidents are attended by fairly

320

00:16:01,910 --> 00:15:59,670

expensive often counterproductive

321

00:16:04,380 --> 00:16:01,920

consequences

322

00:16:07,020 --> 00:16:04,390

criminalizing people for example giving

323

00:16:08,910 --> 00:16:07,030

people criminal records it's actually

324

00:16:12,510 --> 00:16:08,920

probably the worst thing you can do in

325

00:16:14,550 --> 00:16:12,520

many instances to actually prevent

326

00:16:17,670 --> 00:16:14,560

certain things happening and and full of

327

00:16:20,760 --> 00:16:17,680

a good health of society and so I'm

328

00:16:23,760 --> 00:16:20,770

hoping to use a bad law to try and show

329

00:16:25,560 --> 00:16:23,770

that as as Ben Goldacre says about

330

00:16:28,740 --> 00:16:25,570

science it's often a little bit more

331

00:16:30,360 --> 00:16:28,750

complicated than verte and to show what

332

00:16:34,560 --> 00:16:30,370

it means to sort of think critically

333

00:16:38,700 --> 00:16:34,570

about about about law I'm hoping to

334

00:16:43,320 --> 00:16:38,710

finish the book over the course of 2010

335

00:16:46,080 --> 00:16:43,330

and and see how it goes from this it's

336

00:16:48,080 --> 00:16:46,090

as I said it's quite difficult to to

337

00:16:50,930 --> 00:16:48,090

write a book especially a first book but

338

00:16:54,150 --> 00:16:50,940

I've had lots of encouragement and the

339

00:16:58,140 --> 00:16:54,160

agent I've got is also simon sings agent

340

00:16:59,910 --> 00:16:58,150

and also belda jurors agent and and so

341

00:17:03,240 --> 00:16:59,920

he seems to think that I've got some

342

00:17:06,150 --> 00:17:03,250

think i can offer on this and let's see

343

00:17:09,120 --> 00:17:06,160

how it goes you can contact Jack of Kent

344

00:17:11,940 --> 00:17:09,130

find his blog at Jack of Kent blogspot

345

00:17:14,250 --> 00:17:11,950

com remember to check out the sense

346

00:17:17,670 --> 00:17:14,260

about science site at sense about

347

00:17:20,460 --> 00:17:17,680

science or qk and of course sign up for

348

00:17:25,699 --> 00:17:20,470

the keep libel laws out of science via

349

00:17:47,100 --> 00:17:42,900

you

350

00:17:49,350 --> 00:17:47,110

skeptics lunch held here in New South

351

00:17:59,400 --> 00:17:49,360

Wales and we start off by talking with

352

00:18:05,310 --> 00:18:02,670

did you tell my aura showing something

353

00:18:06,870 --> 00:18:05,320

wrong even skeptics like to have a

354

00:18:08,160 --> 00:18:06,880

Christmas drink in the Christmas

355

00:18:10,350 --> 00:18:08,170

celebration I think we've had a good

356

00:18:13,140 --> 00:18:10,360

year hello dr. Rachel hello dr. Richard

357

00:18:14,880 --> 00:18:13,150

oh I've been promoted and you're here at

358

00:18:17,760 --> 00:18:14,890

these the Australian skeptics New South

359

00:18:19,620 --> 00:18:17,770

Wales Branch Committee Christmas party

360

00:18:21,570 --> 00:18:19,630

yes i am and i haven't had breakfast

361

00:18:23,430 --> 00:18:21,580

today Richard and I've had two glasses

362

00:18:26,730 --> 00:18:23,440

of champagne so perhaps you should talk

363

00:18:28,470 --> 00:18:26,740

to someone else and we're delighted to

364

00:18:30,000 --> 00:18:28,480

be joined with committeeman Peter

365

00:18:32,100 --> 00:18:30,010

Baltics redbay hello red bank alone

366

00:18:33,690 --> 00:18:32,110

hello we were just discussing the good

367

00:18:35,670 --> 00:18:33,700

old days when we used to go to mind/body

368

00:18:37,350 --> 00:18:35,680

wallet oh we still do we still do this

369

00:18:38,940 --> 00:18:37,360

look it's still just as much fun as it

370

00:18:41,610 --> 00:18:38,950

always was although this is where less

371

00:18:44,760 --> 00:18:41,620

we will be in there than the elixir it's

372

00:18:47,280 --> 00:18:44,770

changed it does change but I but the we

373

00:18:50,040 --> 00:18:47,290

were is this still there yeah what about

374

00:18:52,200 --> 00:18:50,050

a min by we will is that when it first

375

00:18:55,260 --> 00:18:52,210

started there was three cause that would

376

00:18:57,180 --> 00:18:55,270

have been homeopath some and medical

377

00:18:59,280 --> 00:18:57,190

quackery yeah now it's crystal geysers

378

00:19:00,630 --> 00:18:59,290

and all that sort of will work no I mean

379

00:19:02,040 --> 00:19:00,640

there are still the medical quacks yeah

380

00:19:04,020 --> 00:19:02,050

we're very few don't know when your

381

00:19:06,060 --> 00:19:04,030

number it was wheel started we were just

382

00:19:09,420 --> 00:19:06,070

discussing the fact that when we were

383

00:19:11,520 --> 00:19:09,430

there years ago actually I'm 78 years

384

00:19:13,290 --> 00:19:11,530

ago merrell dory in the Australian

385

00:19:15,540 --> 00:19:13,300

vaccinations at work had a stand they'd

386

00:19:17,100 --> 00:19:15,550

understand that's right not saying that

387

00:19:19,110 --> 00:19:17,110

not my daughter very brave she put on a

388

00:19:21,900 --> 00:19:19,120

rat bags compact and walked up to

389

00:19:24,240 --> 00:19:21,910

merrill dory and a street kid on him

390

00:19:25,470 --> 00:19:24,250

yeah information for kid I tell you what

391

00:19:28,140 --> 00:19:25,480

one thing I've noticed over the years

392

00:19:30,510 --> 00:19:28,150

when we went used to go there at that

393

00:19:32,820 --> 00:19:30,520

time they had a lot of the holder

394

00:19:36,480 --> 00:19:32,830

zappers yes they send will disappeared

395

00:19:38,880 --> 00:19:36,490

they've disappeared up so that's all the

396

00:19:41,670 --> 00:19:38,890

clothes hold the clock here another

397

00:19:44,660 --> 00:19:41,680

interesting thing I did I many years ago

398

00:19:47,790 --> 00:19:44,670

I must apply think i spent nine and 99 I

399

00:19:50,490 --> 00:19:47,800

went up and bought a subscription to

400

00:19:52,350 --> 00:19:50,500

Nexus magazine from Duncan roads the

401
00:19:54,660 --> 00:19:52,360
editor of Nexus I remember that yellow

402
00:19:56,130 --> 00:19:54,670
and paid with my credit card he knew who

403
00:19:58,130 --> 00:19:56,140
I was so nervous almond name on the

404
00:20:01,740 --> 00:19:58,140
credit card and it must have been off

405
00:20:03,120 --> 00:20:01,750
eight years later Duncan got I can only

406
00:20:04,290 --> 00:20:03,130
assume he got a skinful I Bundy one

407
00:20:06,390 --> 00:20:04,300
Saturday night decided to set me

408
00:20:09,510 --> 00:20:06,400
straight about everything and wrote the

409
00:20:12,300 --> 00:20:09,520
absolute mouth foaming thanks mr. email

410
00:20:13,200 --> 00:20:12,310
in which he point out two things 1i was

411
00:20:17,250 --> 00:20:13,210
not smart like mmm

412
00:20:18,389 --> 00:20:17,260
the Illuminati and the other thing you

413
00:20:20,100 --> 00:20:18,399

said to me was that it was really

414

00:20:21,210 --> 00:20:20,110

offended that I did produce myself optic

415

00:20:23,580 --> 00:20:21,220

to him at the mind-body-spirit festival

416

00:20:26,100 --> 00:20:23,590

oh really and now Nexus haven't been

417

00:20:27,720 --> 00:20:26,110

back since then and I've been waiting I

418

00:20:28,919 --> 00:20:27,730

want to make a point of it but next time

419

00:20:30,750 --> 00:20:28,929

Nexus were at the mind-body-spirit

420

00:20:32,700 --> 00:20:30,760

festival I'm going to make Duncan happy

421

00:20:34,260 --> 00:20:32,710

by going up and introducing myself to

422

00:20:36,090 --> 00:20:34,270

him apparently this upset him so much

423

00:20:39,690 --> 00:20:36,100

it'll spoke to me and didn't know who I

424

00:20:41,600 --> 00:20:39,700

was I see what the next one buddy wallet

425

00:20:44,190 --> 00:20:41,610

we go to which will be nigh guess main

426

00:20:46,799 --> 00:20:44,200

2010 I think it's amazing I made you

427

00:20:50,039 --> 00:20:46,809

something we're going to have in tow

428

00:20:53,370 --> 00:20:50,049

people from choice magazine x1 yeah I'm

429

00:20:55,980 --> 00:20:53,380

also thinking of having bought a buying

430

00:20:57,810 --> 00:20:55,990

Oh sparkling on what they call their I

431

00:21:00,029 --> 00:20:57,820

was cool there something about the cafe

432

00:21:01,529 --> 00:21:00,039

well they're little speakers come here

433

00:21:05,039 --> 00:21:01,539

little speakers corner not the main

434

00:21:06,930 --> 00:21:05,049

stage and and what I'm going to do is do

435

00:21:08,399 --> 00:21:06,940

kinesiology and stuff like that is yeah

436

00:21:11,460 --> 00:21:08,409

and see if I can get away with it and I

437

00:21:12,570 --> 00:21:11,470

feel it of course anybody's mind body

438

00:21:16,320 --> 00:21:12,580

spirit krysta for listening for this

439

00:21:18,539 --> 00:21:16,330

please block your ears I just think like

440

00:21:20,610 --> 00:21:18,549

it actually get away with doing how much

441

00:21:22,260 --> 00:21:20,620

people can push again now it costs me a

442

00:21:24,570 --> 00:21:22,270

business cost me a few bucks I presume

443

00:21:26,010 --> 00:21:24,580

to buy the spot we're not a what what

444

00:21:27,750 --> 00:21:26,020

are you going to use is the magic thing

445

00:21:32,310 --> 00:21:27,760

that that improves people's balance or

446

00:21:34,560 --> 00:21:32,320

strength probably equal it's fine if

447

00:21:36,659 --> 00:21:34,570

they hold that it'll work better OIC see

448

00:21:38,490 --> 00:21:36,669

so you're going to say that the naughty

449

00:21:40,799 --> 00:21:38,500

paintings oh yeah in their point of view

450

00:21:43,230 --> 00:21:40,809

oh well as I pointed out in my stage

451
00:21:44,820 --> 00:21:43,240
show I actually do this yeah and I use a

452
00:21:46,680 --> 00:21:44,830
packet of sugar and a packet of equal

453
00:21:47,880 --> 00:21:46,690
yeah and i show how with sugar their

454
00:21:49,950 --> 00:21:47,890
arms are really strong and with the

455
00:21:51,360 --> 00:21:49,960
equal armed really weak yeah well I give

456
00:21:54,210 --> 00:21:51,370
a presentation to the New South Wales

457
00:21:57,330 --> 00:21:54,220
diet soft drink Association funnily

458
00:21:59,180 --> 00:21:57,340
enough it works the other way right back

459
00:22:01,680 --> 00:21:59,190
how are you going to debunk it though

460
00:22:03,899 --> 00:22:01,690
you're gonna say tada it's all nonsense

461
00:22:06,480 --> 00:22:03,909
all I want to see whether I can actually

462
00:22:08,549 --> 00:22:06,490
get away with putting on an act like

463
00:22:10,950 --> 00:22:08,559

that I'm not gonna try and quite

464

00:22:13,169 --> 00:22:10,960

confusing them just want to see whether

465

00:22:15,779 --> 00:22:13,179

I can get away with at the

466

00:22:17,940 --> 00:22:15,789

mind-body-spirit festival being accepted

467

00:22:19,889 --> 00:22:17,950

as somebody who has some point of we

468

00:22:22,080 --> 00:22:19,899

were medical treatment I don't see that

469

00:22:23,580 --> 00:22:22,090

that's much of a challenge because of

470

00:22:24,840 --> 00:22:23,590

course you'd be able to get away with it

471

00:22:27,299 --> 00:22:24,850

look at the stuff that's already there

472

00:22:29,519 --> 00:22:27,309

is all gibberish and nonsense i'm

473

00:22:32,610 --> 00:22:29,529

planning to be much more extreme than

474

00:22:37,830 --> 00:22:32,620

those people that I one day I'm going to

475

00:22:39,779 --> 00:22:37,840

money i will make claims that would of

476

00:22:44,580 --> 00:22:39,789

course all the clarks supporters to say

477

00:22:47,760 --> 00:22:44,590

you sure why do I possible I guess it is

478

00:22:49,289 --> 00:22:47,770

it is I've actually got until only a

479

00:22:52,350 --> 00:22:49,299

kegel ever seen alternative medicine

480

00:22:55,440 --> 00:22:52,360

people think doubt some other form of

481

00:22:57,000 --> 00:22:55,450

alternative medicine when i was on a

482

00:22:59,370 --> 00:22:57,010

forum and some God turned up and here

483

00:23:01,320 --> 00:22:59,380

was a raw food enthusiast that is all

484

00:23:03,029 --> 00:23:01,330

food should be raw because we aren't

485

00:23:04,440 --> 00:23:03,039

near to each stock and he came up with a

486

00:23:07,620 --> 00:23:04,450

classic with the incredible statement

487

00:23:09,840 --> 00:23:07,630

where he said that and this week as an

488

00:23:12,629 --> 00:23:09,850

example of the effect of cooking food on

489

00:23:15,570 --> 00:23:12,639

society and what it was was menstruation

490

00:23:17,580 --> 00:23:15,580

and he said that this was evidence that

491

00:23:18,960 --> 00:23:17,590

women were eating correctly and that if

492

00:23:21,149 --> 00:23:18,970

they went with a raw food diet it would

493

00:23:23,820 --> 00:23:21,159

stop and I there were alternative

494

00:23:25,379 --> 00:23:23,830

physical y-you pondo I can give you a

495

00:23:28,590 --> 00:23:25,389

diet in three weeks it'll stop it but

496

00:23:30,149 --> 00:23:28,600

you're dead actually people did quest

497

00:23:32,220 --> 00:23:30,159

him and said are you sure they didn't

498

00:23:35,460 --> 00:23:32,230

say this is rubbish they said are you

499

00:23:37,010 --> 00:23:35,470

sure of our pattern and he said yes now

500

00:23:39,840 --> 00:23:37,020

I've already written off as a loon

501
00:23:43,169 --> 00:23:39,850
apparently other people live tiny seed

502
00:23:44,909 --> 00:23:43,179
of doubt mainly from women strangely

503
00:23:48,210 --> 00:23:44,919
that but that was the only time I've

504
00:23:49,680 --> 00:23:48,220
ever seen any day any doubt it's it's

505
00:23:54,330 --> 00:23:49,690
just bizarre today one of the things

506
00:23:56,580 --> 00:23:54,340
they will do they talk about how I now

507
00:23:58,409 --> 00:23:56,590
medical people they used to purge people

508
00:24:00,990 --> 00:23:58,419
and glued them yeah we don't do that

509
00:24:02,610 --> 00:24:01,000
anymore like George Washington's aspirin

510
00:24:04,260 --> 00:24:02,620
operative word is used to well that's

511
00:24:07,139 --> 00:24:04,270
how George Washington medicine he was

512
00:24:09,840 --> 00:24:07,149
bled to death that's right yeah but the

513
00:24:12,389 --> 00:24:09,850

difference between science and other

514

00:24:13,650 --> 00:24:12,399

forms of human activity is that science

515

00:24:16,500 --> 00:24:13,660

doesn't know everything and will change

516

00:24:18,270 --> 00:24:16,510

things been there and I knew too when

517

00:24:20,100 --> 00:24:18,280

the two the two things that people would

518

00:24:21,480 --> 00:24:20,110

scientists will say as CalPERS Liske

519

00:24:23,580 --> 00:24:21,490

said on television the other night the

520

00:24:28,650 --> 00:24:23,590

two things aside after he's saying is I

521

00:24:32,340 --> 00:24:28,660

was wrong and we'll we'll try that again

522

00:24:35,520 --> 00:24:32,350

yeah but pseudoscience never does that

523

00:24:36,690 --> 00:24:35,530

and to their medicine certainly there's

524

00:24:39,030 --> 00:24:36,700

no way and that's why you find the

525

00:24:40,650 --> 00:24:39,040

people will accept for example totally

526
00:24:42,420 --> 00:24:40,660
contradictory treatments the same thing

527
00:24:45,240 --> 00:24:42,430
x challenged people once with five

528
00:24:47,520 --> 00:24:45,250
absolutely totally contradictory cancer

529
00:24:49,860 --> 00:24:47,530
cures five people who said this is the

530
00:24:52,260 --> 00:24:49,870
only cause of cancer and this is the

531
00:24:54,030 --> 00:24:52,270
only cure and I said tell me which one

532
00:24:55,650 --> 00:24:54,040
you think are quacks here's a camel or

533
00:24:57,540 --> 00:24:55,660
better and they all said all of them

534
00:24:59,100 --> 00:24:57,550
none of them are it's not if you're a

535
00:25:00,540 --> 00:24:59,110
supporter of this person and you must

536
00:25:04,860 --> 00:25:00,550
believe this other person over here is

537
00:25:06,990 --> 00:25:04,870
wrong no they must all be right I'm

538
00:25:08,460 --> 00:25:07,000

sorry it can't all be right at the end

539

00:25:10,560 --> 00:25:08,470

of the day ratbag if you make up

540

00:25:12,570 --> 00:25:10,570

how do you remember what you made up

541

00:25:14,520 --> 00:25:12,580

before it's very difficult to keep track

542

00:25:16,620 --> 00:25:14,530

of the nonces that you've fabricated

543

00:25:19,080 --> 00:25:16,630

over the years isn't it it is but I

544

00:25:20,820 --> 00:25:19,090

actually folks we've been left behind

545

00:25:23,280 --> 00:25:20,830

because all the others are running into

546

00:25:25,650 --> 00:25:23,290

our room there where our lunches right

547

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

back how can people go to your website

548

00:25:31,020 --> 00:25:27,730

where should they go I should go to ww

549

00:25:33,360 --> 00:25:31,030

at bags calm ratbags calm that's the

550

00:25:35,160 --> 00:25:33,370

place the main part of it the weekly

551
00:25:37,260 --> 00:25:35,170
magazine is called the Millennium

552
00:25:39,660 --> 00:25:37,270
Project and you it's called that because

553
00:25:41,640 --> 00:25:39,670
we started not at 99 and the idea was to

554
00:25:44,640 --> 00:25:41,650
get a thousand sites i didn't like all

555
00:25:46,080 --> 00:25:44,650
up by the end of 1999 and the thousand

556
00:25:47,400 --> 00:25:46,090
plan went up on in december the 31st

557
00:25:48,630 --> 00:25:47,410
that year because we were hoping you

558
00:25:51,120 --> 00:25:48,640
assumed that maybe there was not going

559
00:25:54,060 --> 00:25:51,130
to be a tomorrow hahaha i had to get it

560
00:26:01,440 --> 00:25:54,070
finished in time ratbags dot-com thanks

561
00:26:06,039 --> 00:26:03,760
and I think now is the time to sort of

562
00:26:07,510 --> 00:26:06,049
reflect on that and think about what

563
00:26:10,360 --> 00:26:07,520

we've achieved because we've all worked

564

00:26:11,860 --> 00:26:10,370

very very hard and sometimes you get

565

00:26:13,330 --> 00:26:11,870

comments from people saying well you go

566

00:26:16,150 --> 00:26:13,340

to skip this in the pub we wouldn't be

567

00:26:17,830 --> 00:26:16,160

everyone else do you do and I think that

568

00:26:20,320 --> 00:26:17,840

your glean from this little overview

569

00:26:23,049 --> 00:26:20,330

that we have done a lot of workers years

570

00:26:26,289 --> 00:26:23,059

so first of all I wanted to start off by

571

00:26:28,390 --> 00:26:26,299

saying welcome to 10 again our team is

572

00:26:32,350 --> 00:26:28,400

our new at eternity and elder who has

573

00:26:34,419 --> 00:26:32,360

been doing a layout for the magazine the

574

00:26:43,750 --> 00:26:34,429

layout and the mag this year has just

575

00:26:45,730 --> 00:26:43,760

been amazing we had them a couple of

576

00:26:48,130 --> 00:26:45,740

issues that were done early on in the

577

00:26:50,260 --> 00:26:48,140

year Richard started off by hopping

578

00:26:52,690 --> 00:26:50,270

Karen and then there was a period where

579

00:26:56,740 --> 00:26:52,700

Karen wasn't here anymore so Richard

580

00:26:58,840 --> 00:26:56,750

myself and Iran and Kylie did a lot of

581

00:27:00,970 --> 00:26:58,850

the work including all the editorial

582

00:27:03,400 --> 00:27:00,980

staff the layout and the whole and Steve

583

00:27:05,740 --> 00:27:03,410

Roberts as well was yeah seminole and

584

00:27:07,000 --> 00:27:05,750

helping us out with that we've also had

585

00:27:08,590 --> 00:27:07,010

some new members to the committee this

586

00:27:11,710 --> 00:27:08,600

year and i'm pleased to say that it's a

587

00:27:13,330 --> 00:27:11,720

girl so we welcome Joe who's not here

588

00:27:15,430 --> 00:27:13,340

today because she's in New York at the

589

00:27:17,200 --> 00:27:15,440

moment but I'm it's great to have more

590

00:27:18,640 --> 00:27:17,210

women on the committee because skeptics

591

00:27:20,650 --> 00:27:18,650

have been criticized for not having

592

00:27:22,539 --> 00:27:20,660

enough women some of the notable

593

00:27:24,100 --> 00:27:22,549

successes that we've had this year of

594

00:27:27,610 --> 00:27:24,110

course we've got to mention the avn

595

00:27:29,830 --> 00:27:27,620

first up this started earlier in the

596

00:27:32,530 --> 00:27:29,840

year with the channel 7 debate which

597

00:27:36,100 --> 00:27:32,540

many of you saw on channel 7 Sunday

598

00:27:39,039 --> 00:27:36,110

night this resulted in a letter that was

599

00:27:40,570 --> 00:27:39,049

written to Tony and David by a couple of

600

00:27:43,690 --> 00:27:40,580

people from the committee and of course

601
00:27:46,900 --> 00:27:43,700
tiny detail this last week's convention

602
00:27:48,789 --> 00:27:46,910
and then this resulted in a huge

603
00:27:51,370 --> 00:27:48,799
groundswell of people getting involved

604
00:27:54,220 --> 00:27:51,380
including dr. Phil plates including Ben

605
00:27:55,060 --> 00:27:54,230
Goldacre from the UK the skeptics guide

606
00:27:57,070 --> 00:27:55,070
to the universe

607
00:27:58,480 --> 00:27:57,080
is the biggest skeptical podcast in the

608
00:28:00,820 --> 00:27:58,490
world they have something like forty

609
00:28:02,680 --> 00:28:00,830
thousand listeners a week they

610
00:28:05,590 --> 00:28:02,690
interviewed me about the situation with

611
00:28:06,999 --> 00:28:05,600
the antibats lobby in Australia and then

612
00:28:10,029 --> 00:28:07,009
of course you'll remember that dick

613
00:28:11,830 --> 00:28:10,039

smith came aboard back in August to pay

614

00:28:13,409 --> 00:28:11,840

for an ad that went into the Australian

615

00:28:16,419 --> 00:28:13,419

magazine which went all over the nation

616

00:28:19,419 --> 00:28:16,429

and this was really good publicity for

617

00:28:22,419 --> 00:28:19,429

us dick was kind enough to do a lot of

618

00:28:23,980 --> 00:28:22,429

radio about this and one of the things I

619

00:28:27,039 --> 00:28:23,990

remember him particularly saying was

620

00:28:29,999 --> 00:28:27,049

they should put anti backs on all of

621

00:28:32,830 --> 00:28:30,009

their material in big fat work for you

622

00:28:34,899 --> 00:28:32,840

yeah so thank you for to dig for helping

623

00:28:36,159 --> 00:28:34,909

us out with that another thing of note

624

00:28:39,610 --> 00:28:36,169

is that our international reputation

625

00:28:41,860 --> 00:28:39,620

this year has been recognized in a huge

626
00:28:44,350 --> 00:28:41,870
way there's been a number of us going to

627
00:28:47,799 --> 00:28:44,360
conferences overseas Richard and Iran

628
00:28:50,169 --> 00:28:47,809
which Tam in July in Las Vegas Kylie

629
00:28:51,669 --> 00:28:50,179
myself Richard and Steve Roberts went to

630
00:28:55,990 --> 00:28:51,679
Anne Martin bridge stock went to

631
00:28:59,230 --> 00:28:56,000
dragoncon in September in Atlanta and we

632
00:29:01,810 --> 00:28:59,240
all did talks and panels and met lots of

633
00:29:03,639 --> 00:29:01,820
lots of fellow skeptics I also went to

634
00:29:05,369 --> 00:29:03,649
nexus the north eastern conference for

635
00:29:08,499 --> 00:29:05,379
science and skepticism in New York City

636
00:29:11,320 --> 00:29:08,509
in September and then also divorced and

637
00:29:12,970 --> 00:29:11,330
skeptics and apart and on top of that

638
00:29:15,820 --> 00:29:12,980

Richard and I have done with several

639

00:29:18,519 --> 00:29:15,830

tours to Melbourne and to Perth to do

640

00:29:21,629 --> 00:29:18,529

our talks about skepticism and about

641

00:29:23,799 --> 00:29:21,639

alternative medicine so we've been

642

00:29:25,480 --> 00:29:23,809

really getting ourselves out there this

643

00:29:27,340 --> 00:29:25,490

year and letting people know that we're

644

00:29:30,789 --> 00:29:27,350

out we're here and we're active and we

645

00:29:33,279 --> 00:29:30,799

want to tell them about our stuff just

646

00:29:35,499 --> 00:29:33,289

briefly on the whole alien thing we've

647

00:29:37,029 --> 00:29:35,509

also had a big success with the edge to

648

00:29:39,159 --> 00:29:37,039

Mercy complain that was done by from the

649

00:29:40,840 --> 00:29:39,169

cloud and we've now got an army of

650

00:29:42,970 --> 00:29:40,850

supporters around the world that are

651
00:29:44,710 --> 00:29:42,980
prepared and ready to go to fight

652
00:29:47,139 --> 00:29:44,720
something if we ever have a reason to

653
00:29:49,379 --> 00:29:47,149
get them mobilized I recently got some

654
00:29:52,419 --> 00:29:49,389
news and I think ratbag knows about this

655
00:29:57,369 --> 00:29:52,429
one of our

656
00:29:59,889 --> 00:29:57,379
now got a response from the office of

657
00:30:01,930 --> 00:29:59,899
liquid gaming and racing about the

658
00:30:03,549 --> 00:30:01,940
alleged charity license that the

659
00:30:04,629 --> 00:30:03,559
afternoon has and didn't have for a

660
00:30:07,359 --> 00:30:04,639
number of years because they didn't pay

661
00:30:11,739 --> 00:30:07,369
their dues so they're taking a battering

662
00:30:13,600 --> 00:30:11,749
from every single angle and recently in

663
00:30:14,950 --> 00:30:13,610

the last few weeks I've noticed in the

664

00:30:17,259 --> 00:30:14,960

rat bag might be able to back me up on

665

00:30:18,669 --> 00:30:17,269

this they started to sort of fall apart

666

00:30:19,960 --> 00:30:18,679

a little bit and they're becoming very

667

00:30:21,820 --> 00:30:19,970

rattled and it's interesting because

668

00:30:24,070 --> 00:30:21,830

normally when there's an article written

669

00:30:25,869 --> 00:30:24,080

about them or against them they get all

670

00:30:27,700 --> 00:30:25,879

their people together to write responses

671

00:30:29,799 --> 00:30:27,710

and comments and they've stopped doing

672

00:30:31,869 --> 00:30:29,809

that in the last month or they're under

673

00:30:33,279 --> 00:30:31,879

pressure and that's largely to do with

674

00:30:37,029 --> 00:30:33,289

us so we should congratulate ourselves

675

00:30:38,680 --> 00:30:37,039

for that skeptics in the park which was

676

00:30:43,029 --> 00:30:38,690

set up by Richard Saunders about five

677

00:30:44,769 --> 00:30:43,039

six years ago now in Sydney when we went

678

00:30:47,019 --> 00:30:44,779

to Perth back in May we founded one in

679

00:30:49,169 --> 00:30:47,029

perth at the flying scotsman which is

680

00:30:51,340 --> 00:30:49,179

now going from strength to strength

681

00:30:54,609 --> 00:30:51,350

locally we get about 80 participants

682

00:30:56,680 --> 00:30:54,619

every month and of note is that in the

683

00:30:58,299 --> 00:30:56,690

last four months every speaker we've had

684

00:31:01,720 --> 00:30:58,309

at skeptics in the pub has been a female

685

00:31:04,840 --> 00:31:01,730

which is great apart from over well he's

686

00:31:08,529 --> 00:31:04,850

a bit of a girl sometimes clinic and

687

00:31:11,499 --> 00:31:08,539

also they weren't supposed to please

688

00:31:12,820 --> 00:31:11,509

look exactly like most ugly no and

689

00:31:14,560 --> 00:31:12,830

that's it you know that's another thing

690

00:31:16,539 --> 00:31:14,570

to mention is that every month this

691

00:31:18,279 --> 00:31:16,549

month this year we've had a speaker at

692

00:31:19,779 --> 00:31:18,289

skeptic to the pub including rat Baker

693

00:31:22,899 --> 00:31:19,789

stepped up at the last minute so thank

694

00:31:25,060 --> 00:31:22,909

you Kylie Sturgis also founded that

695

00:31:27,879 --> 00:31:25,070

skeptics in the pub in Auckland on her

696

00:31:31,899 --> 00:31:27,889

way to or from dragoncon which is

697

00:31:33,820 --> 00:31:31,909

fantastic the website we've got a brand

698

00:31:36,039 --> 00:31:33,830

new website and that's been up and

699

00:31:39,190 --> 00:31:36,049

running for a couple of months now three

700

00:31:41,980 --> 00:31:39,200

or four months it's have lots of good

701
00:31:43,659 --> 00:31:41,990
responses it's fresh in you and we went

702
00:31:45,850 --> 00:31:43,669
with the new system we're able to update

703
00:31:47,529 --> 00:31:45,860
at whatever time of day it is but in

704
00:31:48,669 --> 00:31:47,539
time lights or something

705
00:31:50,590 --> 00:31:48,679
it happens and skepticism

706
00:31:53,169 --> 00:31:50,600
internationally we can get on there and

707
00:31:54,999 --> 00:31:53,179
let the world know about it through this

708
00:31:56,859 --> 00:31:55,009
has been great for alerting people to

709
00:31:58,629 --> 00:31:56,869
the Simon Singh stuff which happened

710
00:32:01,509 --> 00:31:58,639
recently and then we also had our own

711
00:32:03,099 --> 00:32:01,519
complaint from a chiropractor which was

712
00:32:05,129 --> 00:32:03,109
dismissed by the H Triple C which we

713
00:32:07,180 --> 00:32:05,139

could keep updating on the website so

714

00:32:10,509 --> 00:32:07,190

that's been really good in keeping the

715

00:32:12,219 --> 00:32:10,519

public aware of what we're doing of

716

00:32:13,359 --> 00:32:12,229

course we should also just brag a little

717

00:32:15,279 --> 00:32:13,369

bit because this year we've got an

718

00:32:17,320 --> 00:32:15,289

interview with Stephen Fry for the

719

00:32:19,269 --> 00:32:17,330

interview for the magazine and for the

720

00:32:21,609 --> 00:32:19,279

podcast and we're the only skeptical

721

00:32:23,889 --> 00:32:21,619

podcast and magazine to get Stephen Fry

722

00:32:26,739 --> 00:32:23,899

so we're very proud of that in terms of

723

00:32:28,629 --> 00:32:26,749

outreach locally we now have a

724

00:32:32,560 --> 00:32:28,639

semi-regular or we have a regular you

725

00:32:35,799 --> 00:32:32,570

get a fortnight on radio 2 GB where we

726

00:32:38,289 --> 00:32:35,809

take on talk back from some nut bags and

727

00:32:39,969 --> 00:32:38,299

some not so not bad people but I don't

728

00:32:41,830 --> 00:32:39,979

know if you guys have had any of it I

729

00:32:43,749 --> 00:32:41,840

think Richards archived a lot of it so

730

00:32:47,229 --> 00:32:43,759

you can hear it on the website skeptics

731

00:32:49,719 --> 00:32:47,239

don't come today we get people asking us

732

00:32:51,729 --> 00:32:49,729

about ghosties and the UFOs but also

733

00:32:55,899 --> 00:32:51,739

what is the human body made of Richard

734

00:33:00,549 --> 00:32:55,909

what is it made of feelings right slips

735

00:33:02,289 --> 00:33:00,559

and child no authority kid 1 yeah and of

736

00:33:03,969 --> 00:33:02,299

course all of us have been really

737

00:33:05,649 --> 00:33:03,979

involved to talk to journalists getting

738

00:33:08,979 --> 00:33:05,659

on television women we can wrap bags

739

00:33:11,080 --> 00:33:08,989

being on TV a lot Richard's been on TV a

740

00:33:12,639 --> 00:33:11,090

lot we've all got our faces out there

741

00:33:15,849 --> 00:33:12,649

and I think we need to do that more so

742

00:33:18,479 --> 00:33:15,859

next year challenges for next year I

743

00:33:21,849 --> 00:33:18,489

think one of the things we need to do

744

00:33:23,080 --> 00:33:21,859

really soon is to increase our subs and

745

00:33:26,109 --> 00:33:23,090

one of the things we've been talking to

746

00:33:28,839 --> 00:33:26,119

tim about today is may be on to GV

747

00:33:30,279 --> 00:33:28,849

offering listening as a discount on our

748

00:33:31,749 --> 00:33:30,289

subscription of maybe twenty five

749

00:33:34,539 --> 00:33:31,759

percent off of something if you're quite

750

00:33:36,460 --> 00:33:34,549

to GV so we want to get more people to

751

00:33:38,799 --> 00:33:36,470

subscribe to the madness it's a really

752

00:33:41,139 --> 00:33:38,809

really good mag and we producing really

753

00:33:42,879 --> 00:33:41,149

great staff we also need to increase our

754

00:33:44,799 --> 00:33:42,889

public profile of course we'd need to do

755

00:33:46,239 --> 00:33:44,809

this all the time but in the last few

756

00:33:48,409 --> 00:33:46,249

months Richard and I have been talking

757

00:33:49,879 --> 00:33:48,419

to choice magazine

758

00:33:52,220 --> 00:33:49,889

they were very impressed with what we're

759

00:33:54,409 --> 00:33:52,230

doing they're very interested in working

760

00:33:56,090 --> 00:33:54,419

with us further our level so expressed

761

00:33:57,680 --> 00:33:56,100

interesting come into my body wallet

762

00:34:01,190 --> 00:33:57,690

with us the next time it comes around

763

00:34:03,919 --> 00:34:01,200

which would be great we also like to see

764

00:34:05,779 --> 00:34:03,929

the avian kind of melt like the witch in

765

00:34:07,159 --> 00:34:05,789

The Wizard of Oz you know what the

766

00:34:10,250 --> 00:34:07,169

Wicked Witch of the West when she kind

767

00:34:11,720 --> 00:34:10,260

of has my heart and of course some we're

768

00:34:13,520 --> 00:34:11,730

very pleased to announce that Christie

769

00:34:18,760 --> 00:34:13,530

Wilson will be on the committee as of

770

00:34:21,950 --> 00:34:18,770

next year so that'll be fantastic and I

771

00:34:24,319 --> 00:34:21,960

also want to thank Phillip very much Tim

772

00:34:26,809 --> 00:34:24,329

for being instrumental in organizing

773

00:34:46,889 --> 00:34:26,819

today's function and that's all for me

774

00:34:52,540 --> 00:34:49,540

welcome to the token skeptic roundup of

775

00:34:53,740 --> 00:34:52,550

great books to get from 2009 get them

776

00:34:55,720 --> 00:34:53,750

for someone else during this holiday

777

00:34:58,359 --> 00:34:55,730

season I'll catch up on some thinking

778

00:35:00,609 --> 00:34:58,369

you might have missed this year has been

779

00:35:03,520 --> 00:35:00,619

an excellent one for new books some of

780

00:35:05,560 --> 00:35:03,530

my favorites include super sense why we

781

00:35:07,569 --> 00:35:05,570

believe in the unbelievable by Bruce am

782

00:35:09,790 --> 00:35:07,579

hood the skeptic zone interview is on

783

00:35:13,359 --> 00:35:09,800

episode 30 and you can read it yourself

784

00:35:15,430 --> 00:35:13,369

in the next UK skeptic magazine beyond

785

00:35:17,950 --> 00:35:15,440

belief science skepticism and the

786

00:35:19,510 --> 00:35:17,960

paranormal by dr. Martin bridge stock it

787

00:35:21,310 --> 00:35:19,520

was launched at the recent Australian

788

00:35:24,910 --> 00:35:21,320

skeptics national conference to great

789

00:35:27,220 --> 00:35:24,920

acclaim 59 seconds think a little change

790

00:35:29,290 --> 00:35:27,230

a lot dr. Richard Wiseman is about to

791

00:35:31,540 --> 00:35:29,300

tour the USA with this book so keep an

792

00:35:33,130 --> 00:35:31,550

eye out for him stateside there's the

793

00:35:35,470 --> 00:35:33,140

very thought provoking and debate

794

00:35:37,300 --> 00:35:35,480

inspiring unscientific America how

795

00:35:39,280 --> 00:35:37,310

scientific illiteracy threatens our

796

00:35:41,859 --> 00:35:39,290

future by chris mooney and cheryl

797

00:35:42,880 --> 00:35:41,869

Kirschenbaum dr. cars get fact is a

798

00:35:44,380 --> 00:35:42,890

definite for the young and

799

00:35:45,819 --> 00:35:44,390

young-at-heart it's an excellent

800

00:35:48,099 --> 00:35:45,829

discussion of a range of scientific

801

00:35:50,290 --> 00:35:48,109

questions and of course there's the

802

00:35:53,140 --> 00:35:50,300

greatest show on earth the evidence for

803

00:35:55,420 --> 00:35:53,150

evolution by richard dawkins ones that

804

00:35:58,510 --> 00:35:55,430

you might have missed pseudoscience are

805

00:36:00,370 --> 00:35:58,520

critical encyclopedia by brian regal it

806

00:36:01,990 --> 00:36:00,380

spans the full spectrum of scientific

807

00:36:04,059 --> 00:36:02,000

and non-scientific pursuits from

808

00:36:06,040 --> 00:36:04,069

chemistry biology psychology and

809

00:36:08,349 --> 00:36:06,050

medicine to eugenics religion

810

00:36:10,870 --> 00:36:08,359

cryptozoology the occult and paranormal

811

00:36:13,359 --> 00:36:10,880

activities don't be such a scientist

812

00:36:16,059 --> 00:36:13,369

talking substance in an age of style by

813

00:36:18,099 --> 00:36:16,069

Randy Olson PhD whose documentary a

814

00:36:19,720 --> 00:36:18,109

flock of dodos was screened at the

815

00:36:23,650 --> 00:36:19,730

Australian skeptics National prevention

816

00:36:25,960 --> 00:36:23,660

in Adelaide denying AIDS conspiracy

817

00:36:28,809 --> 00:36:25,970

theories pseudoscience and human tragedy

818

00:36:31,240 --> 00:36:28,819

is vice FC Cashman and you should also

819

00:36:32,920 --> 00:36:31,250

check out denialism how a rational

820

00:36:35,200 --> 00:36:32,930

thinking hinders scientific progress

821

00:36:38,319 --> 00:36:35,210

harms the planet and threatens our lives

822

00:36:40,210 --> 00:36:38,329

by Michael Specter voodoo histories the

823

00:36:42,609 --> 00:36:40,220

role of the conspiracy theory in shaping

824

00:36:44,380 --> 00:36:42,619

modern history by David arama is a

825

00:36:46,599 --> 00:36:44,390

great overview of many popular

826

00:36:48,579 --> 00:36:46,609

conspiracy claims and don't forget to

827

00:36:51,730 --> 00:36:48,589

subscribe to skeptical magazines such as

828

00:36:54,109 --> 00:36:51,740

skeptical Inquirer the UK skeptic the

829

00:36:56,630 --> 00:36:54,119

u.s. skeptic at skeptic calm

830

00:37:00,319 --> 00:36:56,640

an Australian skeptics skeptic found out

831

00:37:02,150 --> 00:37:00,329

skeptics calm I you finally the popular

832

00:37:04,609 --> 00:37:02,160

science and skepticism poultry blog

833

00:37:07,009 --> 00:37:04,619

called the digital cuttlefish has a

834

00:37:10,099 --> 00:37:07,019

volume two out and they are giving away

835

00:37:11,660 --> 00:37:10,109

both volumes for free as a PDF they can

836

00:37:15,049 --> 00:37:11,670

be downloaded thanks to digital

837

00:37:16,789 --> 00:37:15,059

cuddlefish blogspot com on the blog pod

838

00:37:18,890 --> 00:37:16,799

black catch you can find a post called

839

00:37:20,809 --> 00:37:18,900

skeptics guide to getting good stuff

840

00:37:22,339 --> 00:37:20,819

this holiday season there you should

841

00:37:24,950 --> 00:37:22,349

check out the efforts to get tim minchin

842

00:37:27,650 --> 00:37:24,960

single for white wine in the Sun into

843

00:37:29,299 --> 00:37:27,660

the top 40 this season there's also the

844

00:37:31,549 --> 00:37:29,309

here comes science album by they might

845

00:37:34,609 --> 00:37:31,559

be giants which I got as a present for a

846

00:37:36,470 --> 00:37:34,619

friend's new baby this year Ricky B and

847

00:37:38,839 --> 00:37:36,480

know these signs friendly jewelry and

848

00:37:40,970 --> 00:37:38,849

shirts are available and the forged DVD

849

00:37:43,489 --> 00:37:40,980

edition of Macbeth directed by Aaron

850

00:37:47,720 --> 00:37:43,499

Posner & Teller of Penn & Teller is now

851
00:37:49,640 --> 00:37:47,730
out you can find out more at [www calm](http://www.calm)

852
00:38:00,109 --> 00:37:49,650
and keep an eye out for even more great

853
00:38:04,800 --> 00:38:02,550
this is desiree she'll host of

854
00:38:07,050 --> 00:38:04,810
skeptically speaking check out our

855
00:38:11,010 --> 00:38:07,060
website at skeptically speaking calm and

856
00:38:14,790 --> 00:38:11,020
listen to us live on CJ sr 88.5 FM in

857
00:38:20,010 --> 00:38:14,800
Edmonton Alberta Canada I now return you

858
00:38:23,400 --> 00:38:20,020
to the skeptic zone crikey this is

859
00:38:26,870 --> 00:38:23,410
Richard Saunders from down under former

860
00:38:31,050 --> 00:38:26,880
telling celebrity current podcaster and

861
00:38:34,160 --> 00:38:31,060
future bushranger I'm coming all the way

862
00:38:37,320 --> 00:38:34,170
across the pond to visit you Yanks in

863
00:38:41,370 --> 00:38:37,330

California to tell you all about my

864

00:38:44,599 --> 00:38:41,380

favorite podcast skep tide I'm also

865

00:38:48,000 --> 00:38:44,609

going to introduce you to fosters beer

866

00:38:51,450 --> 00:38:48,010

I'll yabber all about all sorts of

867

00:38:53,940 --> 00:38:51,460

things and we might even have a yarn so

868

00:38:57,900 --> 00:38:53,950

I hope you all log in with your ears

869

00:39:01,859 --> 00:38:57,910

flapping skeptics in the pub hosted by

870

00:39:07,950 --> 00:39:01,869

skeptics in the OC Saturday second a

871

00:39:11,550 --> 00:39:07,960

January 2010 at 19 o'clock at 7pm for

872

00:39:15,390 --> 00:39:11,560

you Yabo's at Muldoon's irish pub in

873

00:39:21,820 --> 00:39:15,400

Newport Beach California join me for a

874

00:39:30,770 --> 00:39:25,190

now it's time for dr. Rachel reports

875

00:39:33,710 --> 00:39:30,780

with dr. Rachel Dunlop hello everyone

876

00:39:35,480 --> 00:39:33,720

and welcome to dr. Richie reports this

877

00:39:37,340 --> 00:39:35,490

week I'm going to tell you about another

878

00:39:39,890 --> 00:39:37,350

one of those miracle treatments which

879

00:39:43,610 --> 00:39:39,900

your doctor won't it's safe effective

880

00:39:45,830 --> 00:39:43,620

with no side effects or risks and unlike

881

00:39:48,470 --> 00:39:45,840

the conventional medicine alternative it

882

00:39:51,020 --> 00:39:48,480

won't do you any harm sounds too good to

883

00:39:53,980 --> 00:39:51,030

be true like many miracle cures in

884

00:39:56,690 --> 00:39:53,990

alternative medicine it just might be

885

00:39:58,940 --> 00:39:56,700

this week I tell you about the safe

886

00:40:01,190 --> 00:39:58,950

breast cancer screening test your doctor

887

00:40:05,180 --> 00:40:01,200

isn't telling you about and this is

888

00:40:07,160 --> 00:40:05,190

called thermography I refer to it as the

889

00:40:09,230 --> 00:40:07,170

safe breast cancer screening your doctor

890

00:40:10,970 --> 00:40:09,240

isn't telling you about because this was

891

00:40:13,970 --> 00:40:10,980

what popped up on Google when I searched

892

00:40:15,770 --> 00:40:13,980

for information on this topic clued up

893

00:40:17,570 --> 00:40:15,780

skeptics would know this is one of the

894

00:40:20,690 --> 00:40:17,580

classic red flags to alert you to

895

00:40:22,640 --> 00:40:20,700

pseudoscience in fact it has been used

896

00:40:25,730 --> 00:40:22,650

in the title of just about every book

897

00:40:28,280 --> 00:40:25,740

written by Kevin Trudeau the infomercial

898

00:40:30,410 --> 00:40:28,290

billionaire from the US who peddles all

899

00:40:33,650 --> 00:40:30,420

kinds of fantastical products and has

900

00:40:35,330 --> 00:40:33,660

been fined for doing so so let's start

901
00:40:37,340 --> 00:40:35,340
with a little bit of information about

902
00:40:40,730 --> 00:40:37,350
the problem that is breast cancer in

903
00:40:42,620 --> 00:40:40,740
Australia 1 in 11 women will be

904
00:40:45,830 --> 00:40:42,630
diagnosed with breast cancer before the

905
00:40:48,140 --> 00:40:45,840
age of 75 breast cancer is the most

906
00:40:51,200 --> 00:40:48,150
common cause of cancer-related death in

907
00:40:53,150 --> 00:40:51,210
women in Australia the incidence of

908
00:40:57,800 --> 00:40:53,160
breast cancer has risen over eighteen

909
00:41:01,400 --> 00:40:57,810
percent from 1995 to 2005 and in

910
00:41:03,440 --> 00:41:01,410
Australia in 2005 a total of twelve

911
00:41:06,350 --> 00:41:03,450
thousand one hundred and seventy women

912
00:41:08,030 --> 00:41:06,360
and ninety five men were diagnosed with

913
00:41:09,770 --> 00:41:08,040

breast cancer and there were two

914

00:41:14,810 --> 00:41:09,780

thousand six hundred and eighty three

915

00:41:17,210 --> 00:41:14,820

deaths so what is thermography while the

916

00:41:18,800 --> 00:41:17,220

principle of medical thermography is the

917

00:41:21,080 --> 00:41:18,810

detection of small temperature

918

00:41:23,450 --> 00:41:21,090

differences in the body which are then

919

00:41:26,420 --> 00:41:23,460

transformed into thermal images that the

920

00:41:29,000 --> 00:41:26,430

practitioner interprets the theory is

921

00:41:31,700 --> 00:41:29,010

that abnormalities such as malignancies

922

00:41:34,040 --> 00:41:31,710

inflammation and infection amit

923

00:41:35,620 --> 00:41:34,050

increased heat that will appear as hot

924

00:41:38,330 --> 00:41:35,630

spots on the images

925

00:41:40,850 --> 00:41:38,340

breast thermography also known as

926

00:41:42,650 --> 00:41:40,860

thermal breast imaging is a technique

927

00:41:44,990 --> 00:41:42,660

that produces heat pictures of the

928

00:41:47,090 --> 00:41:45,000

breast by measuring the temperature of

929

00:41:49,460 --> 00:41:47,100

the skin and the rationale for

930

00:41:52,040 --> 00:41:49,470

thermography and breast imaging is that

931

00:41:53,480 --> 00:41:52,050

the skin overlying a breast cancer can

932

00:41:57,620 --> 00:41:53,490

be warmer than that of the surrounding

933

00:41:59,560 --> 00:41:57,630

area so what are some of the limits of

934

00:42:02,270 --> 00:41:59,570

thermography for breast cancer

935

00:42:04,460 --> 00:42:02,280

thermography is limited in that it only

936

00:42:07,040 --> 00:42:04,470

indicates if a difference in temperature

937

00:42:09,920 --> 00:42:07,050

exists and the diagnostic significance

938

00:42:11,930 --> 00:42:09,930

of this information remains unclear it

939

00:42:13,910 --> 00:42:11,940

has not been proven that performing

940

00:42:17,150 --> 00:42:13,920

thermography can eliminate the need for

941

00:42:18,800 --> 00:42:17,160

other diagnostic studies nor has it been

942

00:42:20,960 --> 00:42:18,810

demonstrated that any additional

943

00:42:24,470 --> 00:42:20,970

diagnostic value is provided by

944

00:42:27,560 --> 00:42:24,480

thermography although thermography is a

945

00:42:29,240 --> 00:42:27,570

non-invasive low-risk procedure several

946

00:42:32,870 --> 00:42:29,250

disadvantages have prevented its

947

00:42:34,850 --> 00:42:32,880

widespread use it requires a tightly

948

00:42:37,670 --> 00:42:34,860

controlled environment free from draft

949

00:42:40,820 --> 00:42:37,680

temperature fluctuation and humidity and

950

00:42:45,440 --> 00:42:40,830

it also requires a 20 minute to two hour

951
00:42:48,620 --> 00:42:45,450
acclimatization period but does

952
00:42:50,810 --> 00:42:48,630
thermography detect breast cancers well

953
00:42:52,510 --> 00:42:50,820
in 2004 the New Zealand health

954
00:42:54,650 --> 00:42:52,520
technology assessment committee

955
00:42:57,380 --> 00:42:54,660
conducted a review of the scientific

956
00:42:59,180 --> 00:42:57,390
literature to establish the evidence for

957
00:43:02,270 --> 00:42:59,190
the efficacy of thermography as a

958
00:43:07,010 --> 00:43:02,280
screening tool and adjunctive diagnostic

959
00:43:09,460 --> 00:43:07,020
tool they scoured pubmed turning up 1154

960
00:43:12,410 --> 00:43:09,470
abstracts to match their search criteria

961
00:43:15,440 --> 00:43:12,420
from which 85 were selected for full

962
00:43:18,740 --> 00:43:15,450
text analysis and three were used in the

963
00:43:20,270 --> 00:43:18,750

meta-analysis review they reported that

964

00:43:23,180 --> 00:43:20,280

the evidence that is currently available

965

00:43:25,760 --> 00:43:23,190

does not provide enough support for the

966

00:43:27,710 --> 00:43:25,770

role of infrared thermography for either

967

00:43:30,050 --> 00:43:27,720

population screening or adjuvant

968

00:43:32,570 --> 00:43:30,060

diagnostic testing of breast cancer

969

00:43:34,910 --> 00:43:32,580

breast cancer South Australia is in

970

00:43:37,940 --> 00:43:34,920

agreement and publishes this statement

971

00:43:40,160 --> 00:43:37,950

on their website quote according to

972

00:43:42,230 --> 00:43:40,170

several reviews there is no current

973

00:43:44,330 --> 00:43:42,240

scientific evidence to support the use

974

00:43:47,390 --> 00:43:44,340

of thermography in the early detection

975

00:43:49,090 --> 00:43:47,400

of breast cancer or in the reduction of

976

00:43:51,980 --> 00:43:49,100

mortality from breast cancer

977

00:43:54,440 --> 00:43:51,990

the results of thermography in various

978

00:43:57,290 --> 00:43:54,450

studies are inconsistent but overall

979

00:43:59,450 --> 00:43:57,300

thermography produces an abnormal result

980

00:44:01,970 --> 00:43:59,460

in too many women who do not have cancer

981

00:44:03,740 --> 00:44:01,980

and it misses cancers that are known to

982

00:44:06,320 --> 00:44:03,750

be present in other women further

983

00:44:09,200 --> 00:44:06,330

evidence for a lack of efficacy in

984

00:44:11,030 --> 00:44:09,210

detecting breast cancers is a study that

985

00:44:13,270 --> 00:44:11,040

showed that the detection rate with

986

00:44:15,620 --> 00:44:13,280

thermography was forty-two percent

987

00:44:19,310 --> 00:44:15,630

compared to ninety two percent from

988

00:44:21,980 --> 00:44:19,320

mammography using thermography with

989

00:44:25,220 --> 00:44:21,990

proven diagnostic measures adds no

990

00:44:27,200 --> 00:44:25,230

useful clinical information the

991

00:44:29,240 --> 00:44:27,210

scientific peer-reviewed literature and

992

00:44:31,460 --> 00:44:29,250

professional societies do not support

993

00:44:33,500 --> 00:44:31,470

the use of thermography as a reliable

994

00:44:35,990 --> 00:44:33,510

indicator for the presence of breast

995

00:44:39,020 --> 00:44:36,000

cancer further thermography of the

996

00:44:41,180 --> 00:44:39,030

breast is cumbersome and complicated so

997

00:44:42,830 --> 00:44:41,190

there is a high level of consistency in

998

00:44:44,900 --> 00:44:42,840

the approach of numerous medical

999

00:44:46,790 --> 00:44:44,910

organizations from Australia and abroad

1000

00:44:49,090 --> 00:44:46,800

in warning against the use of

1001
00:44:52,100 --> 00:44:49,100
thermography for breast cancer detection

1002
00:44:54,410 --> 00:44:52,110
the following organizations support the

1003
00:44:56,090 --> 00:44:54,420
use of mammography and do not support

1004
00:44:59,060 --> 00:44:56,100
the use of thermography for breast

1005
00:45:02,500 --> 00:44:59,070
cancer detection and this list is valid

1006
00:45:05,690 --> 00:45:02,510
as at may 2007 breastscreen australia

1007
00:45:07,400 --> 00:45:05,700
the National Breast Cancer Center the

1008
00:45:09,800 --> 00:45:07,410
Royal College of radiologists of

1009
00:45:12,470 --> 00:45:09,810
Australia and New Zealand the Australian

1010
00:45:15,440 --> 00:45:12,480
Medical Association the American Medical

1011
00:45:19,010 --> 00:45:15,450
Association the American Cancer Society

1012
00:45:21,590 --> 00:45:19,020
Cancer Research UK the Mayo Clinic in

1013
00:45:24,680 --> 00:45:21,600

the US the Australian Therapeutic Goods

1014

00:45:27,230 --> 00:45:24,690

Administration and Medicare Australia

1015

00:45:28,760 --> 00:45:27,240

not that this prevents the alternative

1016

00:45:31,610 --> 00:45:28,770

medicine guys from spruiking

1017

00:45:34,400 --> 00:45:31,620

thermography anyway nevermind the pesky

1018

00:45:36,860 --> 00:45:34,410

scientific evidence one such case

1019

00:45:39,710 --> 00:45:36,870

occurred recently when Mike Adams from

1020

00:45:41,960 --> 00:45:39,720

the website natural news reported on new

1021

00:45:45,500 --> 00:45:41,970

findings about the risks associated with

1022

00:45:47,540 --> 00:45:45,510

mammograms now no medical intervention

1023

00:45:49,670 --> 00:45:47,550

is without risk and mammograms are no

1024

00:45:52,900 --> 00:45:49,680

exception since small doses of radiation

1025

00:45:55,370 --> 00:45:52,910

are used to image the breast tissue

1026

00:45:57,700 --> 00:45:55,380

several recent studies have shown that

1027

00:46:00,500 --> 00:45:57,710

for women at high risk for breast cancer

1028

00:46:02,370 --> 00:46:00,510

therefore getting early scans beginning

1029

00:46:04,350 --> 00:46:02,380

before the age of 30

1030

00:46:08,610 --> 00:46:04,360

can increase the risk of getting the

1031

00:46:10,980 --> 00:46:08,620

disease between 1.5 and 2.5 times for

1032

00:46:13,710 --> 00:46:10,990

this reason the US Department of Health

1033

00:46:15,800 --> 00:46:13,720

and Human Services recently changed

1034

00:46:17,790 --> 00:46:15,810

their recommendations for mammograms

1035

00:46:20,250 --> 00:46:17,800

advising women that they should now be

1036

00:46:22,620 --> 00:46:20,260

started at age 50 and performed by

1037

00:46:24,990 --> 00:46:22,630

annually and this is up from the

1038

00:46:27,270 --> 00:46:25,000

previous recommendations of 40 years of

1039

00:46:32,220 --> 00:46:27,280

age now women who carry the genetic

1040

00:46:33,690 --> 00:46:32,230

mutations brca1 and brca2 have a sixty

1041

00:46:36,570 --> 00:46:33,700

percent chance of developing breast

1042

00:46:38,850 --> 00:46:36,580

cancer over their lifetime so regular

1043

00:46:41,850 --> 00:46:38,860

screening at a young age is important

1044

00:46:43,620 --> 00:46:41,860

the authors of one such study suggested

1045

00:46:46,560 --> 00:46:43,630

these women would be better off getting

1046

00:46:49,830 --> 00:46:46,570

MRIs or ultrasound scans to reduce their

1047

00:46:52,740 --> 00:46:49,840

risk Mike Adams on natural news reported

1048

00:46:55,110 --> 00:46:52,750

these findings as quote study verifies

1049

00:46:56,850 --> 00:46:55,120

mammography screenings cause cancer

1050

00:46:58,800 --> 00:46:56,860

which of course is a completely

1051
00:47:02,220 --> 00:46:58,810
misleading interpretation of the

1052
00:47:05,670 --> 00:47:02,230
findings to reiterate they may increase

1053
00:47:08,880 --> 00:47:05,680
the risk by as much as 2.5 fold but they

1054
00:47:10,410 --> 00:47:08,890
do not cause cancer so if you are

1055
00:47:13,230 --> 00:47:10,420
unlucky enough to have the double

1056
00:47:15,210 --> 00:47:13,240
mutation and have a sixty percent chance

1057
00:47:17,700 --> 00:47:15,220
of getting breast cancer with the

1058
00:47:19,410 --> 00:47:17,710
increased risk from mammograms you would

1059
00:47:21,990 --> 00:47:19,420
have a ninety percent chance of

1060
00:47:24,390 --> 00:47:22,000
contracting the disease this is not very

1061
00:47:26,580 --> 00:47:24,400
good odds which is why many such women

1062
00:47:29,550 --> 00:47:26,590
who have this mutation get double

1063
00:47:32,310 --> 00:47:29,560

mastectomy Mike then proposed that women

1064

00:47:34,980 --> 00:47:32,320

get MRIs or thermography instead of

1065

00:47:37,470 --> 00:47:34,990

mammograms well thanks for the medical

1066

00:47:39,270 --> 00:47:37,480

advice Mike this is despite the fact

1067

00:47:41,970 --> 00:47:39,280

that the authors of this study did not

1068

00:47:44,400 --> 00:47:41,980

mention thermography in line with the

1069

00:47:46,470 --> 00:47:44,410

unreliability of thermography breast

1070

00:47:48,990 --> 00:47:46,480

green Australia has published a position

1071

00:47:51,000 --> 00:47:49,000

statement on their website stating the

1072

00:47:53,280 --> 00:47:51,010

national advisory committee to the

1073

00:47:55,650 --> 00:47:53,290

breastscreen australia program does not

1074

00:47:57,720 --> 00:47:55,660

recommend the use of thermography for

1075

00:48:00,110 --> 00:47:57,730

the early detection of breast cancer and

1076

00:48:02,640 --> 00:48:00,120

this is for the following reasons

1077

00:48:05,400 --> 00:48:02,650

studies have shown that a tumor has to

1078

00:48:07,710 --> 00:48:05,410

be large about several centimeters in

1079

00:48:10,530 --> 00:48:07,720

diameter before it can be detected by

1080

00:48:12,420 --> 00:48:10,540

thermography and screening mammograms

1081

00:48:15,570 --> 00:48:12,430

have the ability to detect breast cancer

1082

00:48:16,200 --> 00:48:15,580

at a much smaller size and therefore to

1083

00:48:18,630 --> 00:48:16,210

reduce

1084

00:48:20,400 --> 00:48:18,640

deaths from breast cancer less than

1085

00:48:22,440 --> 00:48:20,410

fifty percent of breast cancers detected

1086

00:48:25,380 --> 00:48:22,450

by mammography screening have an

1087

00:48:27,329 --> 00:48:25,390

abnormal thermogram thermography was

1088

00:48:30,420 --> 00:48:27,339

also cited in a recent parliamentary

1089

00:48:32,550 --> 00:48:30,430

inquiry in South Australia into what the

1090

00:48:36,480 --> 00:48:32,560

Australian Medical Association called

1091

00:48:38,490 --> 00:48:36,490

bogus therapies along with claims made

1092

00:48:41,430 --> 00:48:38,500

by some chiropractors about subluxation

1093

00:48:44,790 --> 00:48:41,440

zeeeeee cures for cancer and some

1094

00:48:47,460 --> 00:48:44,800

erectile dysfunction treatments the AMA

1095

00:48:50,160 --> 00:48:47,470

has concerns about quackery telling the

1096

00:48:53,250 --> 00:48:50,170

inquiry that unregulated practitioners

1097

00:48:55,260 --> 00:48:53,260

quote relative risk to patient health

1098

00:48:57,390 --> 00:48:55,270

and have enjoyed immunity and lack of

1099

00:49:00,089 --> 00:48:57,400

scrutiny from the legal and regulatory

1100

00:49:02,160 --> 00:49:00,099

authorities which apply to the medical

1101

00:49:05,099 --> 00:49:02,170

profession so what's the take home

1102

00:49:06,720 --> 00:49:05,109

message about thermography the take home

1103

00:49:09,599 --> 00:49:06,730

message is that thermography is

1104

00:49:13,290 --> 00:49:09,609

unreliable missing knowin cancers and

1105

00:49:16,020 --> 00:49:13,300

diagnosing non-existent cancers and also

1106

00:49:18,510 --> 00:49:16,030

it's pretty expensive at around 200 u.s.

1107

00:49:20,700 --> 00:49:18,520

dollars per screening but don't take my

1108

00:49:23,700 --> 00:49:20,710

advice or that of Mike Adams from

1109

00:49:25,050 --> 00:49:23,710

natural news talk to your doctor and if

1110

00:49:27,000 --> 00:49:25,060

you'd like more information about

1111

00:49:30,210 --> 00:49:27,010

thermography and the references from

1112

00:49:33,589 --> 00:49:30,220

today's show please head to skeptics on

1113

00:49:36,630 --> 00:49:33,599

wordpress com and click on my blog and

1114

00:49:44,930 --> 00:49:36,640

until next time this has been dr. HG

1115

00:49:49,500 --> 00:49:47,550

let me ask you now you've had your bent

1116

00:49:50,970 --> 00:49:49,510

spoon Awards I've heard Glenn talking

1117

00:49:54,420 --> 00:49:50,980

about this but they've actually happened

1118

00:49:57,180 --> 00:49:54,430

last weekend in Brisbane ok and this is

1119

00:49:58,440 --> 00:49:57,190

all about what this is well we it's you

1120

00:50:00,090 --> 00:49:58,450

might have heard of the choice they give

1121

00:50:04,050 --> 00:50:00,100

their shonky Awards the Australian

1122

00:50:06,510 --> 00:50:04,060

skeptics give now since 1982 the bent

1123

00:50:08,490 --> 00:50:06,520

spoon which is awarded to the greatest

1124

00:50:11,070 --> 00:50:08,500

perpetrator of paranormal or pseudo

1125

00:50:13,500 --> 00:50:11,080

scientific piffle in Arcadian all right

1126
00:50:15,630 --> 00:50:13,510
who was the winner for 2009 the winner

1127
00:50:17,760 --> 00:50:15,640
for 2009 is a lady by the name of

1128
00:50:20,520 --> 00:50:17,770
merrill dory who is the head of the

1129
00:50:23,040 --> 00:50:20,530
australian vaccination network which

1130
00:50:25,200 --> 00:50:23,050
despite its name is dead against

1131
00:50:27,180 --> 00:50:25,210
vaccination anti-vaccination they are an

1132
00:50:29,100 --> 00:50:27,190
TV this is this is a hot debate and

1133
00:50:30,630 --> 00:50:29,110
Rachel you guide this full well I mean

1134
00:50:32,160 --> 00:50:30,640
this is something that's been fought out

1135
00:50:34,680 --> 00:50:32,170
for many many years now I mean it is

1136
00:50:37,770 --> 00:50:34,690
there a set viewpoint that that most

1137
00:50:39,330 --> 00:50:37,780
medicos are on asset side oh well

1138
00:50:41,010 --> 00:50:39,340

there's first of all Ben there's not

1139

00:50:43,230 --> 00:50:41,020

really a debate it's kind of been

1140

00:50:45,690 --> 00:50:43,240

manufactured by the anti-vaccine because

1141

00:50:48,210 --> 00:50:45,700

the evidence is very clear that the

1142

00:50:50,960 --> 00:50:48,220

benefits of vaccination far outweigh the

1143

00:50:53,220 --> 00:50:50,970

risks associated with the disease and

1144

00:50:54,690 --> 00:50:53,230

it's the only the anti-vaxxers that

1145

00:50:57,270 --> 00:50:54,700

stayed as a debate there's no debate

1146

00:50:58,980 --> 00:50:57,280

well they've done well because someone

1147

00:51:01,110 --> 00:50:58,990

like me who doesn't have children and

1148

00:51:03,750 --> 00:51:01,120

all I hear about is the vaccination

1149

00:51:05,400 --> 00:51:03,760

debate you know I and well it's like the

1150

00:51:06,930 --> 00:51:05,410

creation is saying there's a debate

1151
00:51:08,850 --> 00:51:06,940
about the age of the earth no there's

1152
00:51:10,320 --> 00:51:08,860
not but if they keep saying there is a

1153
00:51:13,350 --> 00:51:10,330
lot of people say oh is there really a

1154
00:51:14,400 --> 00:51:13,360
debate about that hmm now I had a guy or

1155
00:51:16,620 --> 00:51:14,410
I'll come to that in the seconds until

1156
00:51:19,770 --> 00:51:16,630
me out when someone wins the bent spoon

1157
00:51:21,870 --> 00:51:19,780
or do they turn up to receive it no in

1158
00:51:23,190 --> 00:51:21,880
the whole history of the bent spoon no

1159
00:51:24,690 --> 00:51:23,200
one's ever turned up into receipt

1160
00:51:26,190 --> 00:51:24,700
although to be fair we don't generally

1161
00:51:27,870 --> 00:51:26,200
invite them because we generally don't

1162
00:51:30,180 --> 00:51:27,880
they generally wouldn't say they want to

1163
00:51:31,500 --> 00:51:30,190

come anyway it's a dubious honor it's

1164

00:51:33,780 --> 00:51:31,510

not something to be proud of did I

1165

00:51:36,300 --> 00:51:33,790

actually get a bent spoon we could

1166

00:51:37,560 --> 00:51:36,310

probably bend a tablespoon cynicism I

1167

00:51:39,030 --> 00:51:37,570

don't know I'm skeptical maybe they

1168

00:51:41,790 --> 00:51:39,040

could bend their own soon that would be

1169

00:51:43,860 --> 00:51:41,800

better so okay so the message out of

1170

00:51:46,110 --> 00:51:43,870

this whole thing is vaccinate oh yeah

1171

00:51:48,390 --> 00:51:46,120

we're firmly for that opinion vaccinate

1172

00:51:50,570 --> 00:51:48,400

because apart from anything else some of

1173

00:51:51,740 --> 00:51:50,580

the things that the the anti-vaccine

1174

00:51:53,840 --> 00:51:51,750

archer

1175

00:51:55,460 --> 00:51:53,850

bizarre aren't they Rachel absolutely

1176
00:51:56,950 --> 00:51:55,470
they you mentioned conspiracy theories

1177
00:51:59,090 --> 00:51:56,960
before Ben they've got some fantastic

1178
00:52:02,180 --> 00:51:59,100
conspiracy theories that they subscribe

1179
00:52:03,970 --> 00:52:02,190
to the first one is that the government

1180
00:52:06,260 --> 00:52:03,980
is run by big pharmaceutical companies

1181
00:52:07,880 --> 00:52:06,270
that all doctors are paid by big

1182
00:52:10,190 --> 00:52:07,890
pharmaceutical companies so you can't

1183
00:52:11,810 --> 00:52:10,200
trust them but there's this fantastic

1184
00:52:15,550 --> 00:52:11,820
one that they've just started to sort of

1185
00:52:18,230 --> 00:52:15,560
publicize which is that the swine flu

1186
00:52:20,390 --> 00:52:18,240
epidemic was manufactured in a

1187
00:52:23,270 --> 00:52:20,400
laboratory and it's actually been

1188
00:52:25,310 --> 00:52:23,280

designed by the Illuminati who are

1189

00:52:28,160 --> 00:52:25,320

releasing it upon the population as an

1190

00:52:30,170 --> 00:52:28,170

attempt to commit mass genocide where do

1191

00:52:32,180 --> 00:52:30,180

people find all this time to come up

1192

00:52:33,560 --> 00:52:32,190

with these theories well under I don't

1193

00:52:35,450 --> 00:52:33,570

know but the other thing is there

1194

00:52:37,190 --> 00:52:35,460

actually are saying that the vaccination

1195

00:52:39,590 --> 00:52:37,200

against the swine flu contains a

1196

00:52:42,260 --> 00:52:39,600

mind-control chip so that the government

1197

00:52:44,030 --> 00:52:42,270

and the Illuminati can control people

1198

00:52:46,340 --> 00:52:44,040

and these people are advising parents

1199

00:52:48,110 --> 00:52:46,350

about their lair I love I mean that's a

1200

00:52:50,210 --> 00:52:48,120

classic one too isn't it just that idea

1201
00:52:51,650 --> 00:52:50,220
of I mean I know people talk about Big

1202
00:52:53,300 --> 00:52:51,660
Brother and they're watching but I've

1203
00:52:55,430 --> 00:52:53,310
had so many people try and convince me

1204
00:52:57,110 --> 00:52:55,440
that you know the government wants to

1205
00:52:59,450 --> 00:52:57,120
watch your every move and I say looked

1206
00:53:02,000 --> 00:52:59,460
seriously my every move is not that

1207
00:53:04,460 --> 00:53:02,010
interesting I'm just not convinced that

1208
00:53:06,590 --> 00:53:04,470
they have the time or the the interest

1209
00:53:08,750 --> 00:53:06,600
in following my every move the sad thing

1210
00:53:10,280 --> 00:53:08,760
about these people despite their wacky

1211
00:53:12,380 --> 00:53:10,290
conspiracy theories they actually are

1212
00:53:13,670 --> 00:53:12,390
having an effect and there are certain

1213
00:53:15,560 --> 00:53:13,680

pockets of this country where the

1214

00:53:17,660 --> 00:53:15,570

vaccination level has dropped because

1215

00:53:18,860 --> 00:53:17,670

parents are scared they really think

1216

00:53:21,320 --> 00:53:18,870

that if they give their babies

1217

00:53:23,000 --> 00:53:21,330

vaccinations they could get autism or

1218

00:53:26,150 --> 00:53:23,010

all sorts of weird diseases or increase

1219

00:53:27,650 --> 00:53:26,160

cot death it's just it's really sad a

1220

00:53:29,120 --> 00:53:27,660

really sad state of affairs it's funny

1221

00:53:30,770 --> 00:53:29,130

how these things catch on to and I've

1222

00:53:32,510 --> 00:53:30,780

just noticed I'm just opening the daily

1223

00:53:34,790 --> 00:53:32,520

telegraph from today because I noticed

1224

00:53:36,920 --> 00:53:34,800

here in the Telegraph today that they've

1225

00:53:38,000 --> 00:53:36,930

actually started a new series I don't

1226
00:53:40,610 --> 00:53:38,010
know whether you can hear these pages

1227
00:53:42,710 --> 00:53:40,620
turning God turn the mini ladder they've

1228
00:53:45,140 --> 00:53:42,720
started a new series called Mythbusters

1229
00:53:47,290 --> 00:53:45,150
oh really I know yeah that started today

1230
00:53:50,210 --> 00:53:47,300
in The Daily Telegraph John Rolfe

1231
00:53:53,600 --> 00:53:50,220
Mythbusters and it's a new series in the

1232
00:53:59,030 --> 00:53:53,610
first myth it says the myth McDonald's

1233
00:54:01,900 --> 00:53:59,040
secretly uses chochos in a saw to cut

1234
00:54:04,329 --> 00:54:01,910
costs that's a very efficient

1235
00:54:06,430 --> 00:54:04,339
you know but the point is not actually

1236
00:54:08,859 --> 00:54:06,440
necessarily the the seriousness of the

1237
00:54:10,870 --> 00:54:08,869
issue but how these things catch on and

1238
00:54:13,029 --> 00:54:10,880

he makes the point in this story that it

1239

00:54:14,680 --> 00:54:13,039

caught on it and that the argument was

1240

00:54:17,289 --> 00:54:14,690

well because they're cheaper well guess

1241

00:54:18,940 --> 00:54:17,299

what they're not so he said we'll hang

1242

00:54:21,640 --> 00:54:18,950

on yeah first of all he went to the

1243

00:54:23,049 --> 00:54:21,650

factory where the apples are made and he

1244

00:54:24,609 --> 00:54:23,059

followed the whole process through and

1245

00:54:26,589 --> 00:54:24,619

then on the the whole argument is based

1246

00:54:27,670 --> 00:54:26,599

on then what show goes in because

1247

00:54:29,020 --> 00:54:27,680

they're cheaper and then he's gone and

1248

00:54:30,460 --> 00:54:29,030

discovered know the chokers are more

1249

00:54:32,950 --> 00:54:30,470

expensive and they actually call

1250

00:54:34,329 --> 00:54:32,960

themselves Mythbusters yeah well I think

1251

00:54:36,700 --> 00:54:34,339

that's nothing that's fair enough in

1252

00:54:39,039 --> 00:54:36,710

terms of if something gained so much

1253

00:54:41,529 --> 00:54:39,049

momentum and we all just come to believe

1254

00:54:43,390 --> 00:54:41,539

it well I've met Adam Savage from this

1255

00:54:45,190 --> 00:54:43,400

but Mythbusters a couple of times in

1256

00:54:47,049 --> 00:54:45,200

international conventions I might have a

1257

00:54:50,349 --> 00:54:47,059

word to him hmm I'm just using their

1258

00:54:53,349 --> 00:54:50,359

name I'll be right who knows now I want

1259

00:54:56,170 --> 00:54:53,359

to take an issue up with you guys to do

1260

00:54:59,440 --> 00:54:56,180

with ghosts okay oh because I heard you

1261

00:55:02,770 --> 00:54:59,450

make a comment recently oh that ghosts

1262

00:55:04,630 --> 00:55:02,780

don't exist we wouldn't know that what

1263

00:55:07,510 --> 00:55:04,640

we would say is the evidence for them

1264

00:55:10,900 --> 00:55:07,520

existing is really crummy yeah because

1265

00:55:12,670 --> 00:55:10,910

we can't say ghosts don't exist mmm cuz

1266

00:55:14,769 --> 00:55:12,680

we didn't design that the universe and

1267

00:55:17,109 --> 00:55:14,779

all that goes white possible that ghosts

1268

00:55:18,460 --> 00:55:17,119

exist it's incredibly unlikely but we

1269

00:55:20,980 --> 00:55:18,470

can't rule it out we can't rule out that

1270

00:55:22,660 --> 00:55:20,990

there's a Barbie doll on Mars either see

1271

00:55:24,670 --> 00:55:22,670

what I mean okay well I've got a little

1272

00:55:26,799 --> 00:55:24,680

story are you having nice story for

1273

00:55:28,510 --> 00:55:26,809

gotta go Centauri know and this is this

1274

00:55:30,279 --> 00:55:28,520

is fair dinkum it's quite a serious one

1275

00:55:34,359 --> 00:55:30,289

too but we are gonna take a very quick

1276

00:55:37,120 --> 00:55:34,369

break if you've got a ghost story don't

1277

00:55:38,980 --> 00:55:37,130

laugh why you're like I wanna go look

1278

00:55:41,380 --> 00:55:38,990

saying is go on notice when I said if

1279

00:55:43,089 --> 00:55:41,390

you gotta go story they both laughed you

1280

00:55:44,559 --> 00:55:43,099

know how cynical what you should cuz

1281

00:55:46,089 --> 00:55:44,569

they're skeptic because they're fun

1282

00:55:47,559 --> 00:55:46,099

ghost stories are really fun we love

1283

00:55:49,900 --> 00:55:47,569

hearing about guys sorry this is a

1284

00:55:53,200 --> 00:55:49,910

serious one like a man on a very serious

1285

00:55:55,269 --> 00:55:53,210

bender mr. tick who we are with dr.

1286

00:55:57,490 --> 00:55:55,279

Rachel Dunlop and also Richard Saunders

1287

00:55:59,950 --> 00:55:57,500

who have presented me with my my own

1288

00:56:02,410 --> 00:55:59,960

Australian skeptics mug thank you very

1289

00:56:04,990 --> 00:56:02,420

much my pleasure yeah well okay here's

1290

00:56:09,220 --> 00:56:05,000

my ghost story oh I actually have not

1291

00:56:12,160 --> 00:56:09,230

seen a ghost however my grandfather's 90

1292

00:56:12,450 --> 00:56:12,170

years of age lives down in Wollongong he

1293

00:56:14,970 --> 00:56:12,460

is

1294

00:56:17,250 --> 00:56:14,980

the last bloke in the world you can

1295

00:56:20,520 --> 00:56:17,260

imagine this guy's been he's fought wars

1296

00:56:22,320 --> 00:56:20,530

he's been in New Guinea 1943 1944 he's

1297

00:56:24,839 --> 00:56:22,330

lived an extraordinary life and he's in

1298

00:56:27,450 --> 00:56:24,849

the last guy in the world who's going to

1299

00:56:29,640 --> 00:56:27,460

believe in ghosts a few years after mine

1300

00:56:31,980 --> 00:56:29,650

and I'd he's sitting down on the couch

1301
00:56:33,450 --> 00:56:31,990
watching the cricket and then all of a

1302
00:56:37,099 --> 00:56:33,460
sudden standing right next to the

1303
00:56:40,290 --> 00:56:37,109
television is my grandmother Vera

1304
00:56:42,780 --> 00:56:40,300
looking the way she was just before she

1305
00:56:45,599 --> 00:56:42,790
died however with her hairstyle done the

1306
00:56:47,790 --> 00:56:45,609
way she wore it when she was say 20 or

1307
00:56:50,490 --> 00:56:47,800
so years old when he met her so much

1308
00:56:53,730 --> 00:56:50,500
detail and then he stood up walked

1309
00:56:56,010 --> 00:56:53,740
towards her she disappeared and he says

1310
00:56:57,800 --> 00:56:56,020
to me I look as why would I make this up

1311
00:57:00,990 --> 00:56:57,810
war would I make up a story like that

1312
00:57:02,820 --> 00:57:01,000
please explain all right lane that

1313
00:57:05,339 --> 00:57:02,830

skeptic explain that skeptic we get that

1314

00:57:07,470 --> 00:57:05,349

all the time first of all you're

1315

00:57:10,620 --> 00:57:07,480

relating a story to me I wasn't there

1316

00:57:12,510 --> 00:57:10,630

you were there I was not always ok so

1317

00:57:14,490 --> 00:57:12,520

what you're getting is his recollection

1318

00:57:16,700 --> 00:57:14,500

of something he thinks happened all

1319

00:57:19,440 --> 00:57:16,710

right there's two explanations one is

1320

00:57:20,730 --> 00:57:19,450

what I think is most likely he's having

1321

00:57:22,410 --> 00:57:20,740

a little nap having a little bit of a

1322

00:57:25,079 --> 00:57:22,420

doze and old memories are coming back

1323

00:57:27,089 --> 00:57:25,089

quite vivid absolutely vivid can't tell

1324

00:57:29,730 --> 00:57:27,099

the difference you know fine that's the

1325

00:57:32,040 --> 00:57:29,740

first reason the second one would be it

1326

00:57:35,520 --> 00:57:32,050

was a ghost now when we have those two

1327

00:57:36,960 --> 00:57:35,530

competing reasons we as skeptics are

1328

00:57:39,180 --> 00:57:36,970

going to naturally fall upon the one

1329

00:57:40,980 --> 00:57:39,190

which is the most likely um he's

1330

00:57:44,430 --> 00:57:40,990

probably just you know had a little

1331

00:57:46,079 --> 00:57:44,440

dream and saw his wife mm-hmm so he most

1332

00:57:47,760 --> 00:57:46,089

likely wouldn't have made it up and

1333

00:57:50,160 --> 00:57:47,770

we're not suggesting for no he's having

1334

00:57:53,460 --> 00:57:50,170

a go he would really have believed that

1335

00:57:56,700 --> 00:57:53,470

mmm yeah died he was saying things most

1336

00:57:58,140 --> 00:57:56,710

probably yeah Roger not differently yeah

1337

00:57:59,880 --> 00:57:58,150

I'd agree with Richard but the the

1338

00:58:01,589 --> 00:57:59,890

problem with those kind of stories is

1339

00:58:03,420 --> 00:58:01,599

yeah that's not that's anecdotal

1340

00:58:06,180 --> 00:58:03,430

evidence so there was no way to measure

1341

00:58:08,520 --> 00:58:06,190

that and there's not enough scientific

1342

00:58:12,270 --> 00:58:08,530

evidence yet to demonstrate that ghosts

1343

00:58:14,130 --> 00:58:12,280

exist I we've done a lot of ghosts sort

1344

00:58:15,690 --> 00:58:14,140

of investigations where they run away

1345

00:58:17,880 --> 00:58:15,700

when we come for some what they do they

1346

00:58:20,040 --> 00:58:17,890

tend to do that so we will go to haunted

1347

00:58:22,320 --> 00:58:20,050

houses that are apparently haunted we

1348

00:58:23,990 --> 00:58:22,330

will you know stay there and see if we

1349

00:58:26,480 --> 00:58:24,000

can find anything and we've never had

1350

00:58:28,340 --> 00:58:26,490

so unfortunately the only evidence that

1351

00:58:29,960 --> 00:58:28,350

there is around is stories like that and

1352

00:58:32,540 --> 00:58:29,970

that's a story that's all it really is

1353

00:58:35,600 --> 00:58:32,550

yeah very hard to convince a guy 90

1354

00:58:38,210 --> 00:58:35,610

years of age and in any very very sharp

1355

00:58:40,130 --> 00:58:38,220

mind no absolutely hard to convince a

1356

00:58:41,810 --> 00:58:40,140

guy like that who doesn't buy and do

1357

00:58:43,220 --> 00:58:41,820

anything I mean it's the last guy you're

1358

00:58:45,620 --> 00:58:43,230

going to be on the committee is human

1359

00:58:47,900 --> 00:58:45,630

like the rest of us and we all including

1360

00:58:50,030 --> 00:58:47,910

the skeptics everybody can be deceived

1361

00:58:52,010 --> 00:58:50,040

and we can make an error trick

1362

00:58:54,290 --> 00:58:52,020

themselves sometimes I suppose apply

1363

00:58:56,030 --> 00:58:54,300

poses has been married for 50 years and

1364

00:58:58,160 --> 00:58:56,040

lost his wife is probably going to want

1365

00:59:01,160 --> 00:58:58,170

to see her in a way to ya and why not

1366

00:59:03,920 --> 00:59:01,170

he's entitled to that in so I Jose

1367

00:59:06,950 --> 00:59:03,930

online I think online to I believe Joey

1368

00:59:08,600 --> 00:59:06,960

you there hi a guy good you've got a

1369

00:59:10,340 --> 00:59:08,610

question for our skeptics Rachel and

1370

00:59:12,170 --> 00:59:10,350

Richard I'm not a question i actually

1371

00:59:14,770 --> 00:59:12,180

just wanted to support what they're

1372

00:59:17,570 --> 00:59:14,780

saying about the vaccination issue

1373

00:59:19,870 --> 00:59:17,580

specifically some of the things that

1374

00:59:23,060 --> 00:59:19,880

i've come across in my work seeing

1375

00:59:24,680 --> 00:59:23,070

patients and colleagues and people are

1376

00:59:26,680 --> 00:59:24,690

very confused about the issue because of

1377

00:59:29,720 --> 00:59:26,690

what they see presented in the media and

1378

00:59:32,630 --> 00:59:29,730

things that people like Meryl zori talk

1379

00:59:35,440 --> 00:59:32,640

about and the fact that it creates a lot

1380

00:59:37,430 --> 00:59:35,450

of confusion for the general public and

1381

00:59:39,350 --> 00:59:37,440

really the only people they should be

1382

00:59:43,250 --> 00:59:39,360

talking to about the issue is their

1383

00:59:45,500 --> 00:59:43,260

doctors hmm good point Joe absolutely

1384

00:59:48,920 --> 00:59:45,510

you're on board Joe I absolutely on

1385

00:59:51,500 --> 00:59:48,930

board okay do you believe in ghosts well

1386

00:59:53,870 --> 00:59:51,510

as rich and Rachel have said when the

1387

00:59:55,760 --> 00:59:53,880

evidence presents itself that um that

1388

00:59:57,980 --> 00:59:55,770

shows me that they existed I might

1389

01:00:05,309 --> 00:59:57,990

believe in them thank you for on thank

1390

01:00:10,180 --> 01:00:08,140

thank you for joining me for the skeptic

1391

01:00:12,609 --> 01:00:10,190

zone now the next three weeks we've got

1392

01:00:14,109 --> 01:00:12,619

our sort of a summer series or a winter

1393

01:00:15,220 --> 01:00:14,119

series depending on where you are in the

1394

01:00:17,950 --> 01:00:15,230

world with lots of interesting

1395

01:00:20,349 --> 01:00:17,960

interviews and snippets from past

1396

01:00:22,510 --> 01:00:20,359

conventions and bits and pieces to get

1397

01:00:24,760 --> 01:00:22,520

you through those long winter nights all

1398

01:00:27,700 --> 01:00:24,770

those short summer nights or whatever

1399

01:00:30,069 --> 01:00:27,710

the case may be so until next week

1400

01:00:35,470 --> 01:00:30,079

anyway this is Richard Saunders signing

1401

01:00:37,779 --> 01:00:35,480

off from Sydney Australia you've been

1402

01:00:42,880 --> 01:00:37,789

listening to the skeptic zone visit our

1403

01:00:47,090 --> 01:00:42,890

website at WWF digs on TV for comments

1404

01:00:59,050 --> 01:00:47,100

contacts and extra video reports