

Show 88
25.June.2010



www.skepticzone.tv

1
00:00:20,750 --> 00:00:09,510
welcome to the skeptic zone the podcast

2
00:00:27,720 --> 00:00:23,580
hello and welcome to the skeptic zone

3
00:00:29,820 --> 00:00:27,730
show number 88 for the 25th of jun 2010

4
00:00:32,609 --> 00:00:29,830
Richard Saunders here with you from my

5
00:00:35,369 --> 00:00:32,619
little studio in Sydney Australia on

6
00:00:37,920 --> 00:00:35,379
this week's show we chatted tim bailey

7
00:00:40,950 --> 00:00:37,930
from the Colorado humanists who was

8
00:00:43,770 --> 00:00:40,960
visiting Sydney just recently and after

9
00:00:47,150 --> 00:00:43,780
that we have a clip from dr. ray and I

10
00:00:50,369 --> 00:00:47,160
appearing on radio 2 GB here in Sydney

11
00:00:53,100 --> 00:00:50,379
where we get a call from somebody called

12
00:00:57,420 --> 00:00:53,110
Jack who tells us all about magnetic

13
00:00:59,910 --> 00:00:57,430

therapy and reflexology after that it's

14

00:01:01,770 --> 00:00:59,920

dr. Richie reports where she fills us in

15

00:01:04,350 --> 00:01:01,780

on the latest information from the UK

16

00:01:06,930 --> 00:01:04,360

about the early day motions and

17

00:01:09,060 --> 00:01:06,940

homeopathy thank you for those people

18

00:01:10,859 --> 00:01:09,070

who have recently sent us donations to

19

00:01:13,800 --> 00:01:10,869

help us keep the show ticking over we do

20

00:01:15,420 --> 00:01:13,810

appreciate it we really do and thank you

21

00:01:17,340 --> 00:01:15,430

to those people writing to me saying

22

00:01:20,400 --> 00:01:17,350

that there they will be at the amazing

23

00:01:23,460 --> 00:01:20,410

meeting in Las Vegas and we'll catch up

24

00:01:27,919 --> 00:01:23,470

looking forward to that enormously but

25

00:01:43,000 --> 00:01:27,929

for now sit back have a nice cup of

26

00:01:48,200 --> 00:01:45,310

tim bailey is a corporate trainer

27

00:01:51,350 --> 00:01:48,210

educator and Amber to skeptic and

28

00:01:53,960 --> 00:01:51,360

ammeter atheist and all over ammeter

29

00:01:55,730 --> 00:01:53,970

human being when he is not traveling

30

00:01:57,980 --> 00:01:55,740

around the world to conduct training

31

00:02:00,530 --> 00:01:57,990

classes for his clients or meeting fine

32

00:02:02,840 --> 00:02:00,540

skeptics and atheists he can be found in

33

00:02:05,990 --> 00:02:02,850

denver colorado forming secular

34

00:02:08,930 --> 00:02:06,000

ceremonies as celebrating times of

35

00:02:11,380 --> 00:02:08,940

change and acting like he is the vice

36

00:02:14,300 --> 00:02:11,390

president of the humanists of colorado

37

00:02:27,020 --> 00:02:14,310

he can be found online at various sites

38

00:02:30,170 --> 00:02:27,030

under the call letters TC s g r v well

39

00:02:34,010 --> 00:02:30,180

what can I say listeners I'm here right

40

00:02:35,900 --> 00:02:34,020

on Sydney Harbour on my left hand side

41

00:02:37,760 --> 00:02:35,910

is the beautiful opera house hold it up

42

00:02:40,220 --> 00:02:37,770

on my right hand side over my shoulder

43

00:02:42,110 --> 00:02:40,230

it's the Sydney Harbour Bridge lit up in

44

00:02:45,140 --> 00:02:42,120

the cities sort of it directly in front

45

00:02:48,110 --> 00:02:45,150

of me this is a place I've brought my

46

00:02:50,480 --> 00:02:48,120

guest this evening tim bailey hello Tim

47

00:02:52,220 --> 00:02:50,490

hello how are you tonight I'm doing

48

00:02:55,130 --> 00:02:52,230

particularly well we just had a lovely

49

00:02:57,380 --> 00:02:55,140

beer in a belgium beer belgian beer

50

00:02:59,080 --> 00:02:57,390

house hell Jim be a house and I've

51
00:03:02,690 --> 00:02:59,090
thought I'd bring you down to one of the

52
00:03:04,220 --> 00:03:02,700
most gorgeous spots here on Sydney

53
00:03:05,690 --> 00:03:04,230
Harbour to have a chat with you I'm

54
00:03:08,150 --> 00:03:05,700
quite impressed with it to your sites

55
00:03:11,540 --> 00:03:08,160
are very good and I can see some

56
00:03:13,699 --> 00:03:11,550
architecture that I haven't anticipated

57
00:03:17,090 --> 00:03:13,709
plus the Opera House is over to my left

58
00:03:18,440 --> 00:03:17,100
and that's quite a sight to see so I'm

59
00:03:20,960 --> 00:03:18,450
looking forward to exploring that a

60
00:03:23,420 --> 00:03:20,970
little bit more tomorrow and I think

61
00:03:25,250 --> 00:03:23,430
we'll probably get a fairy 02 and some

62
00:03:27,710 --> 00:03:25,260
water lapping and lovely sound effects

63
00:03:29,960 --> 00:03:27,720

coming along as we would have our chat

64

00:03:32,060 --> 00:03:29,970

now you're in Sydney of course at the

65

00:03:34,310 --> 00:03:32,070

moment on business onion my career is

66

00:03:38,690 --> 00:03:34,320

within adult education in the sense that

67

00:03:40,940 --> 00:03:38,700

my predominant line of work is that I

68

00:03:42,680 --> 00:03:40,950

will get up in front of classes and

69

00:03:45,620 --> 00:03:42,690

train them in database software

70

00:03:47,290 --> 00:03:45,630

solutions but also to I decided to take

71

00:03:50,710 --> 00:03:47,300

a little bit of a site

72

00:03:54,160 --> 00:03:50,720

trip in my festivities in or activities

73

00:03:56,260 --> 00:03:54,170

and I also perform secular weddings with

74

00:03:57,940 --> 00:03:56,270

in secular weddings in Colorado secular

75

00:04:00,180 --> 00:03:57,950

weddings in Colorado how does that work

76

00:04:03,490 --> 00:04:00,190

exactly how does that work legally in

77

00:04:05,820 --> 00:04:03,500

Colorado just the laws are not strict in

78

00:04:09,340 --> 00:04:05,830

the sense that you have to be a

79

00:04:13,060 --> 00:04:09,350

clergyman in order to perform a wedding

80

00:04:16,449 --> 00:04:13,070

yeah you can be a somebody who actually

81

00:04:18,940 --> 00:04:16,459

is either a justice of the peace or a

82

00:04:21,699 --> 00:04:18,950

third party who can actually perform a

83

00:04:23,170 --> 00:04:21,709

wedding for anybody within the colorado

84

00:04:26,860 --> 00:04:23,180

area did you have to go through a

85

00:04:29,740 --> 00:04:26,870

process to register for this yes I did I

86

00:04:33,220 --> 00:04:29,750

am a certified celebrant be the

87

00:04:35,350 --> 00:04:33,230

celebrant society a part of the American

88

00:04:37,750 --> 00:04:35,360

Humanist Association Wow within the

89

00:04:40,080 --> 00:04:37,760

United States of America and you finding

90

00:04:43,210 --> 00:04:40,090

that's a popular thing for people to do

91

00:04:45,280 --> 00:04:43,220

at first I anticipated that it would

92

00:04:48,760 --> 00:04:45,290

just be a side venture you know just

93

00:04:50,290 --> 00:04:48,770

maybe one or two weddings a year but my

94

00:04:52,930 --> 00:04:50,300

wife and I had found that we've had

95

00:04:55,240 --> 00:04:52,940

several people that were interested in

96

00:04:59,100 --> 00:04:55,250

our services not just for weddings but

97

00:05:02,200 --> 00:04:59,110

for secular celebrations to mark say

98

00:05:04,960 --> 00:05:02,210

baby naming ceremonies coming of age

99

00:05:07,210 --> 00:05:04,970

ceremony icings they wanted to have

100

00:05:09,880 --> 00:05:07,220

ceremonies in which did not have any

101
00:05:13,510 --> 00:05:09,890
religious influence whatsoever they

102
00:05:16,230 --> 00:05:13,520
either were from a family that religion

103
00:05:19,900 --> 00:05:16,240
was never a big part of their lives or

104
00:05:21,700 --> 00:05:19,910
the individuals who are getting married

105
00:05:25,360 --> 00:05:21,710
are from different religious traditions

106
00:05:28,570 --> 00:05:25,370
I see and so they did not want to have

107
00:05:30,159 --> 00:05:28,580
religion being a factor in their

108
00:05:34,960 --> 00:05:30,169
weddings that were going to cause either

109
00:05:36,640 --> 00:05:34,970
conflict or to be an area in which would

110
00:05:38,530 --> 00:05:36,650
detract from the fact that they're

111
00:05:43,060 --> 00:05:38,540
celebrating getting together and having

112
00:05:44,650 --> 00:05:43,070
a wedding Brian and so and so my wife

113
00:05:47,790 --> 00:05:44,660

and I put together a company called

114

00:05:50,170 --> 00:05:47,800

celebrating times of change right in

115

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

which I imagine is office on the

116

00:05:55,010 --> 00:05:52,190

internet right yes it is so we have a

117

00:05:57,050 --> 00:05:55,020

website at celebrating times com right

118

00:05:59,150 --> 00:05:57,060

with in Colorado we've had some

119

00:06:01,400 --> 00:05:59,160

individuals who already have signed up

120

00:06:04,309 --> 00:06:01,410

and had decided to have their weddings

121

00:06:08,480 --> 00:06:04,319

with us and our goal is to basically

122

00:06:10,999 --> 00:06:08,490

provide for them the most memorable and

123

00:06:13,909 --> 00:06:11,009

beautiful wedding ceremony one that in

124

00:06:15,800 --> 00:06:13,919

fact I sit down with the clients and say

125

00:06:18,200 --> 00:06:15,810

what would you like for your ceremony

126

00:06:20,719 --> 00:06:18,210

and say I've get to know them a little

127

00:06:24,409 --> 00:06:20,729

bit more and then we draft up and write

128

00:06:26,390 --> 00:06:24,419

a ceremony just for them Wow but that's

129

00:06:28,790 --> 00:06:26,400

that's one of the things that we decided

130

00:06:31,460 --> 00:06:28,800

to do we say well it doesn't have to be

131

00:06:33,770 --> 00:06:31,470

religious yes it could be just

132

00:06:36,980 --> 00:06:33,780

meaningful something not specific to

133

00:06:39,589 --> 00:06:36,990

them and then after that making it

134

00:06:43,100 --> 00:06:39,599

uniquely theirs writing something in you

135

00:06:44,710 --> 00:06:43,110

can then afterwards we perform it that's

136

00:06:47,420 --> 00:06:44,720

fantastic now what can you tell me about

137

00:06:50,390 --> 00:06:47,430

the history as far as you know it of the

138

00:06:52,730 --> 00:06:50,400

the humanist movement in Colorado um

139

00:06:55,189 --> 00:06:52,740

diem the humanistic Colorado has been

140

00:06:58,279 --> 00:06:55,199

around since the 80s mm-hmm when I first

141

00:07:00,649 --> 00:06:58,289

moved to Colorado in 2003 one of the

142

00:07:02,870 --> 00:07:00,659

goals that I had was to get involved

143

00:07:04,520 --> 00:07:02,880

with the secular organizations and the

144

00:07:08,240 --> 00:07:04,530

skeptical organizations within the

145

00:07:09,620 --> 00:07:08,250

colorado area one of the first ones i

146

00:07:11,959 --> 00:07:09,630

came across was the humanists of

147

00:07:15,200 --> 00:07:11,969

colorado i attended a few of their

148

00:07:18,409 --> 00:07:15,210

meetings was which was at a local

149

00:07:22,700 --> 00:07:18,419

unitarian universalist church okay isn't

150

00:07:24,260 --> 00:07:22,710

and then from there i met several of the

151

00:07:25,670 --> 00:07:24,270

individuals who were leading the

152

00:07:30,019 --> 00:07:25,680

organization as well as some of the

153

00:07:32,920 --> 00:07:30,029

other members and after about six months

154

00:07:35,839 --> 00:07:32,930

to a year i found myself on the board

155

00:07:38,689 --> 00:07:35,849

and then quickly after that i found

156

00:07:41,499 --> 00:07:38,699

myself president of the board oh wow and

157

00:07:45,320 --> 00:07:41,509

i had been president of the board until

158

00:07:47,510 --> 00:07:45,330

last year june of last year when i had

159

00:07:49,129 --> 00:07:47,520

passed a baton over to a gentleman by

160

00:07:50,779 --> 00:07:49,139

the name of Richard Burke who is not a

161

00:07:52,790 --> 00:07:50,789

president and i'm currently the vice

162

00:07:55,070 --> 00:07:52,800

president of the board of the getting us

163

00:07:56,870 --> 00:07:55,080

a Colorado now you're a Globetrotter of

164

00:07:57,650 --> 00:07:56,880

course as you are mentioning before you

165

00:08:03,560 --> 00:07:57,660

you

166

00:08:05,810 --> 00:08:03,570

Europe especially mm-hmm and to New

167

00:08:08,840 --> 00:08:05,820

Zealand and I'm so glad that you drop me

168

00:08:10,550 --> 00:08:08,850

a line to say what could we do could we

169

00:08:12,380 --> 00:08:10,560

meet up and you're coming to skeptics in

170

00:08:14,390 --> 00:08:12,390

the pub next week yes I'm really looking

171

00:08:16,490 --> 00:08:14,400

forward to that then one of the things

172

00:08:19,870 --> 00:08:16,500

in which I attempt to do when I go on

173

00:08:21,740 --> 00:08:19,880

trips is I look online to see what

174

00:08:24,050 --> 00:08:21,750

organizations are within the areas in

175

00:08:25,640 --> 00:08:24,060

which I go to for instance when I went

176
00:08:27,860 --> 00:08:25,650
to South Carolina I said well I'm going

177
00:08:29,690 --> 00:08:27,870
to look up what's there and I found

178
00:08:31,190 --> 00:08:29,700
secular humanists of the low country and

179
00:08:34,250 --> 00:08:31,200
had a great time with it yes there yeah

180
00:08:36,589 --> 00:08:34,260
and when I was coming here I said well

181
00:08:38,089 --> 00:08:36,599
what's going on so I found that yep

182
00:08:41,000 --> 00:08:38,099
skeptics of the pub was going to be on

183
00:08:44,450 --> 00:08:41,010
the last Thursday right before i was to

184
00:08:47,570 --> 00:08:44,460
leave which is the thursday on coming up

185
00:08:49,760 --> 00:08:47,580
in fact that'll be the first of june

186
00:08:51,770 --> 00:08:49,770
first of july here in Sydney so

187
00:08:53,990 --> 00:08:51,780
listeners in Sydney come along and you

188
00:08:57,320 --> 00:08:54,000

can meet him in person no I would love

189

00:09:00,560 --> 00:08:57,330

to meet you up and then I fly back home

190

00:09:01,850 --> 00:09:00,570

on the second of July oh so first thing

191

00:09:06,080 --> 00:09:01,860

in the morning first thing in the

192

00:09:07,460 --> 00:09:06,090

morning yes however I am completely able

193

00:09:09,170 --> 00:09:07,470

to stay awake for the entire evening

194

00:09:10,940 --> 00:09:09,180

because I'm gonna be sleeping on them

195

00:09:15,560 --> 00:09:10,950

playing on the way back home to Colorado

196

00:09:17,600 --> 00:09:15,570

that might not be a bad idea so I'm I'm

197

00:09:19,580 --> 00:09:17,610

really pleased to hear that you make the

198

00:09:21,590 --> 00:09:19,590

effort to see what's going on in the

199

00:09:23,630 --> 00:09:21,600

local area have you had any other good

200

00:09:25,310 --> 00:09:23,640

experiences without the meeting local

201
00:09:27,320 --> 00:09:25,320
skeptics and

202
00:09:29,540 --> 00:09:27,330
like-minded people I've had plenty of

203
00:09:32,300 --> 00:09:29,550
splendid experiences I've even spent

204
00:09:34,610 --> 00:09:32,310
some time with the Minnesota atheists oh

205
00:09:37,360 --> 00:09:34,620
yeah and some of the folks up in

206
00:09:42,080 --> 00:09:37,370
Minneapolis st. Paul Minnesota area

207
00:09:43,850 --> 00:09:42,090
August Berkshire some of the meetups

208
00:09:46,460 --> 00:09:43,860
that they've had up there I've gotten

209
00:09:48,770 --> 00:09:46,470
together at an ethiopian restaurant good

210
00:09:50,840 --> 00:09:48,780
heavens with them and had some great

211
00:09:54,140 --> 00:09:50,850
conversations with some folks that I

212
00:09:55,940 --> 00:09:54,150
even converse with afterwards online for

213
00:09:58,040 --> 00:09:55,950

several months afterwards right now you

214

00:10:01,010 --> 00:09:58,050

go to the UK I have you been there yet

215

00:10:04,370 --> 00:10:01,020

yes I've been to I spent two weeks in

216

00:10:06,040 --> 00:10:04,380

the Bristol area wristlet I've also had

217

00:10:09,260 --> 00:10:06,050

a chance to get down to portishead I

218

00:10:12,170 --> 00:10:09,270

also took a tour that took me to

219

00:10:14,390 --> 00:10:12,180

Stonehenge Avebury a couple of the

220

00:10:17,420 --> 00:10:14,400

little villages and of course since i'm

221

00:10:20,000 --> 00:10:17,430

on facebook as well as many of my nieces

222

00:10:22,070 --> 00:10:20,010

and nephews the first things that they

223

00:10:25,010 --> 00:10:22,080

wanted to see is i want pictures of

224

00:10:27,770 --> 00:10:25,020

Stonehenge with you it's Donuts I said

225

00:10:30,170 --> 00:10:27,780

okay I'll do that and since they also

226

00:10:32,390 --> 00:10:30,180

were quite a bit of fans of harry potter

227

00:10:34,790 --> 00:10:32,400

amongst some of my nieces and nephews I

228

00:10:37,130 --> 00:10:34,800

made sure that I got my pictures taken

229

00:10:38,450 --> 00:10:37,140

at some of this located locales that

230

00:10:40,490 --> 00:10:38,460

they had some of the scenes from the

231

00:10:42,230 --> 00:10:40,500

movie oh well I must admit I've been

232

00:10:44,180 --> 00:10:42,240

guilty of doing sort of similar things

233

00:10:47,900 --> 00:10:44,190

myself the first time I went to London I

234

00:10:51,410 --> 00:10:47,910

went to Abby roads next time I go to

235

00:10:53,870 --> 00:10:51,420

London I have to do the same yeah at the

236

00:10:56,450 --> 00:10:53,880

time for me it was it was a must it was

237

00:10:58,760 --> 00:10:56,460

a must thing to do but no I the UK is

238

00:11:01,490 --> 00:10:58,770

that just crawling the skeptics I these

239

00:11:03,320 --> 00:11:01,500

days they're doing a wonderful job this

240

00:11:05,320 --> 00:11:03,330

podcast right left and centre and there

241

00:11:07,929 --> 00:11:05,330

are meetup moves the skeptics in the pub

242

00:11:11,079 --> 00:11:07,939

all over the country in fact

243

00:11:13,869 --> 00:11:11,089

the British Isles yeah and when I was in

244

00:11:16,179 --> 00:11:13,879

Bristol I didn't get much of a chance to

245

00:11:18,210 --> 00:11:16,189

do much exploring because i was working

246

00:11:21,099 --> 00:11:18,220

quite a bit during those two weeks

247

00:11:24,460 --> 00:11:21,109

however i did take that one tour that

248

00:11:27,969 --> 00:11:24,470

got me out of the city i am going to be

249

00:11:29,739 --> 00:11:27,979

going back to Bristol sometime within

250

00:11:31,719 --> 00:11:29,749

the next year I'm just not entirely sure

251
00:11:33,519 --> 00:11:31,729
when right but I hope to spend more time

252
00:11:35,499 --> 00:11:33,529
in London when I'm able to go do you

253
00:11:37,629 --> 00:11:35,509
think you'll be visiting australia

254
00:11:40,509 --> 00:11:37,639
sydney more frequent well I certainly

255
00:11:43,929 --> 00:11:40,519
hope so in fact if the pattern continues

256
00:11:45,639 --> 00:11:43,939
with previous experience all most likely

257
00:11:47,379 --> 00:11:45,649
will be here within the next year that

258
00:11:49,779 --> 00:11:47,389
would be fantastic but I understand you

259
00:11:51,429 --> 00:11:49,789
can't quite manage to come to the

260
00:11:53,829 --> 00:11:51,439
amazing meeting in Australia this year

261
00:11:56,769 --> 00:11:53,839
no in fact I was attempting to line up

262
00:11:59,769 --> 00:11:56,779
the events so that I my trip here was

263
00:12:02,559 --> 00:11:59,779

going to line up and I was really giving

264

00:12:04,629 --> 00:12:02,569

hints and saying you know this would be

265

00:12:06,699 --> 00:12:04,639

the best time yeah or me to get over

266

00:12:08,829 --> 00:12:06,709

there however they wanted to training

267

00:12:12,099 --> 00:12:08,839

session much earlier than that so that

268

00:12:14,109 --> 00:12:12,109

I'm here now and unless I'm lucky I'm

269

00:12:15,969 --> 00:12:14,119

probably not going to be able to return

270

00:12:18,039 --> 00:12:15,979

during that well I mean it is not too

271

00:12:20,289 --> 00:12:18,049

bad i mean it is winter time here and

272

00:12:22,839 --> 00:12:20,299

normally where we're sitting at the

273

00:12:24,759 --> 00:12:22,849

moment it would be a bit too a bit too

274

00:12:27,369 --> 00:12:24,769

cold but it's just we're very lucky

275

00:12:29,529 --> 00:12:27,379

tonight is just beautiful but the moon

276

00:12:31,329 --> 00:12:29,539

is out yeah he stars around oh there it

277

00:12:32,499 --> 00:12:31,339

is it's the folks behind clouds but now

278

00:12:34,359 --> 00:12:32,509

it's come back and see the southern

279

00:12:36,659 --> 00:12:34,369

hemisphere stars that I don't usually

280

00:12:39,939 --> 00:12:36,669

get to see during the well you know why

281

00:12:42,009 --> 00:12:39,949

correctly it above us right now those

282

00:12:44,139 --> 00:12:42,019

days you can see yes I that's the

283

00:12:46,419 --> 00:12:44,149

Southern Cross yep that's the Southern

284

00:12:50,379 --> 00:12:46,429

Cross that it's the clouds the towns of

285

00:12:53,079 --> 00:12:50,389

pardon just for us you can see the the

286

00:12:54,879 --> 00:12:53,089

cross shape mmm those four stars and to

287

00:12:56,889 --> 00:12:54,889

their left of the to what we call the

288

00:12:58,809 --> 00:12:56,899

point is here and there it is that's

289

00:13:02,169 --> 00:12:58,819

nothing console these are stars I can't

290

00:13:03,939 --> 00:13:02,179

see from Denver mmm however when I'm up

291

00:13:08,349 --> 00:13:03,949

in the mountains in Denver I'd love to

292

00:13:10,629 --> 00:13:08,359

gaze at the stars and one of my early

293

00:13:12,879 --> 00:13:10,639

childhood experiences was with the

294

00:13:14,799 --> 00:13:12,889

telescope and getting involved in

295

00:13:16,070 --> 00:13:14,809

astronomy in fact it was astronomy that

296

00:13:17,840 --> 00:13:16,080

got me involved in

297

00:13:19,550 --> 00:13:17,850

my interest in science we were just

298

00:13:21,050 --> 00:13:19,560

having a quick chat about it earlier

299

00:13:23,090 --> 00:13:21,060

because I took you to what we call our

300

00:13:24,770 --> 00:13:23,100

customs house here where there's a giant

301
00:13:27,710 --> 00:13:24,780
three-dimensional model of downtown

302
00:13:29,660 --> 00:13:27,720
Sydney which is most impressive and I

303
00:13:32,630 --> 00:13:29,670
was pointing out the observatory to you

304
00:13:35,390 --> 00:13:32,640
and if you look over your shoulder your

305
00:13:37,760 --> 00:13:35,400
right shoulder behind that building and

306
00:13:40,010 --> 00:13:37,770
behind the leader and harbour bridge is

307
00:13:43,370 --> 00:13:40,020
the observatory so right very far from

308
00:13:44,870 --> 00:13:43,380
we were sitting at the moment okay you

309
00:13:47,540 --> 00:13:44,880
have together I'm definitely gonna have

310
00:13:50,570 --> 00:13:47,550
to go see that because i've also been to

311
00:13:52,670 --> 00:13:50,580
the Peak Observatory in southern Arizona

312
00:13:55,310 --> 00:13:52,680
he one time just to visit that and see

313
00:13:56,870 --> 00:13:55,320

how that was but but it was astronomy

314

00:13:59,240 --> 00:13:56,880

that really piqued my interest in

315

00:14:01,580 --> 00:13:59,250

science well you know that's that's

316

00:14:05,930 --> 00:14:01,590

partly true of myself and I'm sure many

317

00:14:08,560 --> 00:14:05,940

of our listeners for me it was things

318

00:14:11,270 --> 00:14:08,570

like Carl Sagan and when she completely

319

00:14:14,030 --> 00:14:11,280

got me hooked when I was about 15

320

00:14:16,010 --> 00:14:14,040

because he was talking about astronomy

321

00:14:18,410 --> 00:14:16,020

and the stars and the planets and i

322

00:14:20,930 --> 00:14:18,420

found this endlessly fan I still do

323

00:14:22,850 --> 00:14:20,940

endlessly fascinating now one of my one

324

00:14:25,010 --> 00:14:22,860

of my first Carl Sagan books that was

325

00:14:26,840 --> 00:14:25,020

given to me was broke his brain II and

326

00:14:28,370 --> 00:14:26,850

then one of the last ones that I

327

00:14:31,100 --> 00:14:28,380

obtained was of course to demon haunted

328

00:14:33,500 --> 00:14:31,110

world oh that's me that is like it's a

329

00:14:35,060 --> 00:14:33,510

must-read for any skeptic and it is the

330

00:14:39,860 --> 00:14:35,070

baloney detection kit I've used many

331

00:14:42,920 --> 00:14:39,870

times or no well of course how good

332

00:14:44,810 --> 00:14:42,930

friend feel played the bad astronomer

333

00:14:46,250 --> 00:14:44,820

he's from Colorado yes yes and now we

334

00:14:48,200 --> 00:14:46,260

were discussing before that there seems

335

00:14:50,690 --> 00:14:48,210

to be a very strong skeptical and

336

00:14:53,120 --> 00:14:50,700

secular group and movement in Colorado

337

00:14:55,880 --> 00:14:53,130

itself there is and there is the

338

00:14:57,890 --> 00:14:55,890

mile-high skeptics which is a meetup

339

00:15:00,190 --> 00:14:57,900

organization and are several different

340

00:15:03,110 --> 00:15:00,200

individuals involved with that and

341

00:15:05,360 --> 00:15:03,120

they're quite well known at least

342

00:15:08,690 --> 00:15:05,370

amongst the secular community within

343

00:15:10,940 --> 00:15:08,700

Colorado there's also the Rocky Mountain

344

00:15:13,040 --> 00:15:10,950

Paranormal Research Society I've heard a

345

00:15:16,820 --> 00:15:13,050

lot about that so Backstrom Bonner yes

346

00:15:18,770 --> 00:15:16,830

in fact the program that we had it to

347

00:15:21,020 --> 00:15:18,780

humanists of Colorado about a year and a

348

00:15:23,500 --> 00:15:21,030

half ago where we had them come and

349

00:15:26,330 --> 00:15:23,510

speak and do a multimedia presentation

350

00:15:29,180 --> 00:15:26,340

was one of the best and well received

351

00:15:31,730 --> 00:15:29,190

and and best performed programs we ever

352

00:15:35,390 --> 00:15:31,740

had at the humanists Wow I'd love to say

353

00:15:38,530 --> 00:15:35,400

that our members were absolutely and not

354

00:15:41,660 --> 00:15:38,540

only entertained but educated by that

355

00:15:43,340 --> 00:15:41,670

presentation is yes yeah that's one of

356

00:15:46,730 --> 00:15:43,350

my favorites it's such a great name for

357

00:15:49,030 --> 00:15:46,740

an organization to because you would

358

00:15:53,330 --> 00:15:49,040

actually think that okay they explore

359

00:15:58,900 --> 00:15:53,340

paranormal they're gonna tell you about

360

00:16:01,310 --> 00:15:58,910

the ghosts and about to UFO little

361

00:16:03,050 --> 00:16:01,320

that's interesting as a plane going up

362

00:16:05,450 --> 00:16:03,060

ahead but I just noticed in the clouds

363

00:16:08,000 --> 00:16:05,460

and their spotlights can you sit there

364

00:16:10,180 --> 00:16:08,010

yester if the spotlights from below

365

00:16:12,890 --> 00:16:10,190

wonder where they're coming from

366

00:16:14,810 --> 00:16:12,900

actually the spotlights could be coming

367

00:16:17,450 --> 00:16:14,820

from darling harbour because every

368

00:16:20,330 --> 00:16:17,460

evening during the last week that I was

369

00:16:22,400 --> 00:16:20,340

here they had a large screen in which

370

00:16:24,650 --> 00:16:22,410

they had to live world cup soccer

371

00:16:27,170 --> 00:16:24,660

matches quite possibly yeah that'll be

372

00:16:29,800 --> 00:16:27,180

on tonight of course yes and even though

373

00:16:32,030 --> 00:16:29,810

Australia is no longer in the running

374

00:16:33,980 --> 00:16:32,040

unfortunately however New Zealand to

375

00:16:37,060 --> 00:16:33,990

there and New Zealand is out yes and

376

00:16:41,450 --> 00:16:37,070

italy is out idly that's a seraph espejo

377

00:16:43,160 --> 00:16:41,460

glass that's up I was also lucky enough

378

00:16:45,290 --> 00:16:43,170

to be with some friends back at the

379

00:16:48,470 --> 00:16:45,300

University of Colorado back in nineteen

380

00:16:51,770 --> 00:16:48,480

ninety some of them from Greece some of

381

00:16:54,050 --> 00:16:51,780

them from Italy who got me so hooked and

382

00:16:56,630 --> 00:16:54,060

roll Cup soccer I've had to watch it

383

00:16:58,340 --> 00:16:56,640

every four years since then that's

384

00:17:00,230 --> 00:16:58,350

that's the only time I really take an

385

00:17:02,990 --> 00:17:00,240

interest in that's what I must say now

386

00:17:05,880 --> 00:17:03,000

just behind me now we've got this is one

387

00:17:08,880 --> 00:17:05,890

of the little fast ferries

388

00:17:11,819 --> 00:17:08,890

yeah or it is in fact it's i'm not sure

389

00:17:13,260 --> 00:17:11,829

that one goes but behind it and about to

390

00:17:15,480 --> 00:17:13,270

pass in front of the opera house is one

391

00:17:18,180 --> 00:17:15,490

of the major commuter fairies off de

392

00:17:20,550 --> 00:17:18,190

manly and that's and a half hour trip

393

00:17:22,910 --> 00:17:20,560

which is a cheap way to see the wonders

394

00:17:25,860 --> 00:17:22,920

of sidney harman there it is now yep

395

00:17:27,630 --> 00:17:25,870

looks so nice at night time too it does

396

00:17:30,060 --> 00:17:27,640

look nice looks like it would be

397

00:17:31,560 --> 00:17:30,070

actually a fun trip to take yeah I

398

00:17:33,510 --> 00:17:31,570

reckon married that like I said it's a

399

00:17:34,830 --> 00:17:33,520

cheap way to see a great deal of the

400

00:17:37,410 --> 00:17:34,840

harbor and you end up at Manly Beach

401
00:17:39,570 --> 00:17:37,420
which is a great place to visit to

402
00:17:40,830 --> 00:17:39,580
there goes another small one i'm not

403
00:17:43,230 --> 00:17:40,840
sure where that one's off to I've

404
00:17:44,970 --> 00:17:43,240
actually promised all the nieces and

405
00:17:46,620 --> 00:17:44,980
nephews and the family members and other

406
00:17:48,180 --> 00:17:46,630
friends that I'm going to provide for

407
00:17:50,750 --> 00:17:48,190
them many pictures move for this

408
00:17:54,240 --> 00:17:50,760
particular trip when i was in england i

409
00:17:57,360 --> 00:17:54,250
joked that I had taken over 500 photos

410
00:18:01,830 --> 00:17:57,370
and I thought it was lying until i found

411
00:18:04,650 --> 00:18:01,840
out i took 526 so i am behind on this

412
00:18:06,600 --> 00:18:04,660
trip i actually have to catch up and get

413
00:18:10,360 --> 00:18:06,610

at least 500 photos as well now that one

414

00:18:15,340 --> 00:18:12,610

just going pastas now that's a water

415

00:18:17,049 --> 00:18:15,350

taxi I you know okay that's amazing this

416

00:18:19,299 --> 00:18:17,059

looks like a rowing boat with a belt

417

00:18:22,900 --> 00:18:19,309

with a bill hovering it's a camper on it

418

00:18:25,120 --> 00:18:22,910

is what I'm trying to do of course is

419

00:18:27,190 --> 00:18:25,130

sell the wonders of Sydney Harbour to

420

00:18:30,130 --> 00:18:27,200

our visitors he'll be here in November

421

00:18:32,230 --> 00:18:30,140

for the amazing yes and for those of you

422

00:18:34,210 --> 00:18:32,240

who are going to be at an amazing

423

00:18:37,299 --> 00:18:34,220

meeting in november i am quite envious

424

00:18:40,360 --> 00:18:37,309

of you because as always i tend to be at

425

00:18:41,950 --> 00:18:40,370

the right place at the wrong time well

426

00:18:43,450 --> 00:18:41,960

I'm sorry I'm concerned you're at the

427

00:18:46,270 --> 00:18:43,460

right place at the right time so I am

428

00:18:47,860 --> 00:18:46,280

and it's it's been such a pleasure to

429

00:18:49,750 --> 00:18:47,870

chat with you and Richard has been a

430

00:18:51,370 --> 00:18:49,760

pleasure to chat with you as well and I

431

00:18:53,890 --> 00:18:51,380

feel honored to actually be able to meet

432

00:18:56,200 --> 00:18:53,900

with you thank you that's me and get to

433

00:18:57,340 --> 00:18:56,210

know you personally and all the best for

434

00:18:59,110 --> 00:18:57,350

the rest of your trip in fact what I'll

435

00:19:01,210 --> 00:18:59,120

do is I'll just reach into my backpack

436

00:19:03,970 --> 00:19:01,220

and I'll present you with the latest

437

00:19:08,570 --> 00:19:03,980

issue of our magazine if I can Oh

438

00:19:12,780 --> 00:19:10,920

it's the latest issue of our magazine

439

00:19:14,460 --> 00:19:12,790

the skeptic to the Australian skeptics

440

00:19:16,020 --> 00:19:14,470

so thank you very much be some

441

00:19:18,660 --> 00:19:16,030

interesting reading for you on the plane

442

00:19:22,470 --> 00:19:18,670

or I'll definitely be reading with us on

443

00:19:25,230 --> 00:19:22,480

the plane in fact I am also a subscriber

444

00:19:27,660 --> 00:19:25,240

to the very skeptic magazines within the

445

00:19:30,150 --> 00:19:27,670

United States both the skeptic as well

446

00:19:32,580 --> 00:19:30,160

as The Skeptical Inquirer Ryan on the

447

00:19:34,680 --> 00:19:32,590

plane trip here I happen to have read

448

00:19:36,570 --> 00:19:34,690

all the articles and so this will

449

00:19:38,040 --> 00:19:36,580

definitely help for the trip on the way

450

00:19:39,720 --> 00:19:38,050

home that will tide you I will Jim

451
00:19:55,860 --> 00:19:39,730
Bailey a great pleasure thank you very

452
00:19:57,870 --> 00:19:55,870
much Richard hello I'm Tony Pittman the

453
00:20:01,080 --> 00:19:57,880
presenter of the weekly radio show and

454
00:20:03,840 --> 00:20:01,090
podcast reality check broadcast from

455
00:20:05,820 --> 00:20:03,850
here in melbourne australia and if you

456
00:20:07,680 --> 00:20:05,830
like listening to the skeptic zone maybe

457
00:20:11,250 --> 00:20:07,690
you'd like to check out reality check

458
00:20:14,700 --> 00:20:11,260
each week we bring you a roundup of LGBT

459
00:20:18,240 --> 00:20:14,710
news that's news related to lesbian gay

460
00:20:21,960 --> 00:20:18,250
bisexual and transgender issues plus a

461
00:20:24,000 --> 00:20:21,970
movie review plus a serious skeptical

462
00:20:28,110 --> 00:20:24,010
analysis of a topic related to

463
00:20:29,490 --> 00:20:28,120

pseudoscience or the paranormal so if it

464

00:20:33,180 --> 00:20:29,500

sounds like it could be right up your

465

00:20:36,870 --> 00:20:33,190

alley visit our website at reality check

466

00:20:39,900 --> 00:20:36,880

online dot net there you can listen

467

00:20:52,840 --> 00:20:39,910

online download episodes or subscribe

468

00:20:56,870 --> 00:20:55,640

be wanting a COBOL Jack's on the phone

469

00:20:59,600 --> 00:20:56,880

jack wants to sing the praises of

470

00:21:01,310 --> 00:20:59,610

magnetic products hello jack hello can I

471

00:21:03,260 --> 00:21:01,320

go for how are you very good things

472

00:21:06,650 --> 00:21:03,270

thanks for the call yeah thank you

473

00:21:09,520 --> 00:21:06,660

thanks sake of the call look um I've not

474

00:21:12,200 --> 00:21:09,530

had many products for over 30 years and

475

00:21:14,810 --> 00:21:12,210

I've done a little reading on it and I

476

00:21:18,170 --> 00:21:14,820

can personally testify myself I had a

477

00:21:19,970 --> 00:21:18,180

very bad knee and I didn't know whether

478

00:21:22,370 --> 00:21:19,980

this magnetic strip was going to work so

479

00:21:24,140 --> 00:21:22,380

it's not like I was sort of convincing

480

00:21:27,830 --> 00:21:24,150

myself mind over matter that will work

481

00:21:30,620 --> 00:21:27,840

and i put on my knee i reckon it took

482

00:21:33,530 --> 00:21:30,630

about a week and at my pain completely

483

00:21:36,380 --> 00:21:33,540

went i didn't take any any other tablets

484

00:21:38,060 --> 00:21:36,390

medication i did a lot of reading on

485

00:21:41,260 --> 00:21:38,070

that any products and for multi

486

00:21:43,850 --> 00:21:41,270

understand the simple concept of it is

487

00:21:48,380 --> 00:21:43,860

your blood has negative and positive

488

00:21:51,080 --> 00:21:48,390

ions ions and when you apply a magnet

489

00:21:53,570 --> 00:21:51,090

to that it attracts those negatives and

490

00:21:55,760 --> 00:21:53,580

positive positive ions and it increases

491

00:21:57,380 --> 00:21:55,770

your circulation you've been reading

492

00:21:59,690 --> 00:21:57,390

their website haven't you jack because

493

00:22:02,810 --> 00:21:59,700

that's the best of of nothing and

494

00:22:05,660 --> 00:22:02,820

basically everyone knows that when you

495

00:22:08,420 --> 00:22:05,670

have an increased circulation be through

496

00:22:11,060 --> 00:22:08,430

exercise or whatever when you increase

497

00:22:13,010 --> 00:22:11,070

your circulation that's what does the

498

00:22:15,710 --> 00:22:13,020

fixing up jack what do you mean by

499

00:22:18,260 --> 00:22:15,720

increase your circulation but well you

500

00:22:19,820 --> 00:22:18,270

just like when you exercise your

501
00:22:22,370 --> 00:22:19,830
circulation your blood circulation

502
00:22:24,500 --> 00:22:22,380
increases because your body I not matter

503
00:22:26,720 --> 00:22:24,510
you've lost me a blood moons varsity

504
00:22:29,840 --> 00:22:26,730
letters faster your blood moves faster

505
00:22:32,600 --> 00:22:29,850
it's like they're your blood just like

506
00:22:34,820 --> 00:22:32,610
circles your system is like if you don't

507
00:22:36,530 --> 00:22:34,830
exercise it becomes like stag stagnate

508
00:22:38,180 --> 00:22:36,540
water but Jack what's this got to do

509
00:22:40,280 --> 00:22:38,190
with pain relief you've sort of gone off

510
00:22:42,290 --> 00:22:40,290
track a little bit here well with pain

511
00:22:45,290 --> 00:22:42,300
relief if you increase the circulation

512
00:22:46,970 --> 00:22:45,300
in your body right pain relief just

513
00:22:49,010 --> 00:22:46,980

like for instance with joint serving is

514

00:22:51,980 --> 00:22:49,020

usually caused through inflammation

515

00:22:54,560 --> 00:22:51,990

that's right if you get information a

516

00:22:56,840 --> 00:22:54,570

certain part of the body the signs it

517

00:22:58,280 --> 00:22:56,850

gives you is pain yes but Jack do you

518

00:22:59,180 --> 00:22:58,290

understand how the inflammation process

519

00:23:01,310 --> 00:22:59,190

works you

520

00:23:04,730 --> 00:23:01,320

can't flush it away if you increase your

521

00:23:06,740 --> 00:23:04,740

blood flow because specific types of

522

00:23:08,840 --> 00:23:06,750

cells are actually recruited to the site

523

00:23:10,790 --> 00:23:08,850

of inflammation as long as that

524

00:23:12,710 --> 00:23:10,800

inflammation remains and you can't kind

525

00:23:14,330 --> 00:23:12,720

of wash that out like you would go wash

526

00:23:16,700 --> 00:23:14,340

dishes or something it doesn't work like

527

00:23:19,670 --> 00:23:16,710

that right okay but but have you heard

528

00:23:22,400 --> 00:23:19,680

of reflexology yes yes it doesn't work

529

00:23:25,610 --> 00:23:22,410

either doesn't work hang on i'm a

530

00:23:27,290 --> 00:23:25,620

qualifier reflexologist front oh okay

531

00:23:29,270 --> 00:23:27,300

Jack you're just the man we're looking

532

00:23:31,850 --> 00:23:29,280

for you can apply for the Australian

533

00:23:34,130 --> 00:23:31,860

skeptics \$100,000 challenge if you can

534

00:23:36,620 --> 00:23:34,140

prove that reflexology work well I can

535

00:23:42,170 --> 00:23:36,630

prove it was my wife's did I married my

536

00:23:43,790 --> 00:23:42,180

wife through reflexology what halogen is

537

00:23:45,680 --> 00:23:43,800

they dribble that doesn't prove it work

538

00:23:47,210 --> 00:23:45,690

did you read my face or something Joe

539

00:23:49,970 --> 00:23:47,220

how did you do that that's what happened

540

00:23:52,700 --> 00:23:49,980

a bit about 12 years ago we were all

541

00:23:55,490 --> 00:23:52,710

going to go out one night and I was with

542

00:23:57,380 --> 00:23:55,500

those four of us and she was she was

543

00:24:00,080 --> 00:23:57,390

there with a girlfriend and when we

544

00:24:01,790 --> 00:24:00,090

turned up to pick everyone up she was

545

00:24:05,420 --> 00:24:01,800

that she had a she had shock it's

546

00:24:06,860 --> 00:24:05,430

shocking scientists right and and one of

547

00:24:09,140 --> 00:24:06,870

the best results that i get with

548

00:24:11,600 --> 00:24:09,150

reflexology with sinus problems right

549

00:24:14,090 --> 00:24:11,610

and she it was that bad she wasn't going

550

00:24:16,310 --> 00:24:14,100

to go out and i said look this and this

551

00:24:18,860 --> 00:24:16,320

might sound a bit weird but i can do

552

00:24:20,840 --> 00:24:18,870

some points around your your toes all

553

00:24:23,540 --> 00:24:20,850

right your sinus points are in your toes

554

00:24:25,280 --> 00:24:23,550

and i'll be just about guarantee you you

555

00:24:26,690 --> 00:24:25,290

will definitely get relief Jack why

556

00:24:28,370 --> 00:24:26,700

didn't you get her to go for a run and

557

00:24:30,260 --> 00:24:28,380

increase our circulation that would have

558

00:24:32,690 --> 00:24:30,270

worked i right that's what you've just

559

00:24:35,960 --> 00:24:32,700

told us no no because with reflexology

560

00:24:39,140 --> 00:24:35,970

it works on your endings right in those

561

00:24:41,630 --> 00:24:39,150

nerve endings over the years they they

562

00:24:43,940 --> 00:24:41,640

get deposits of crystallization of

563

00:24:47,450 --> 00:24:43,950

toxins no they don't I don't know it's

564

00:24:50,150 --> 00:24:47,460

not you're wrong right okay listen

565

00:24:52,100 --> 00:24:50,160

listen time out both sides on I'm gonna

566

00:24:53,960 --> 00:24:52,110

step in here is your judicata interject

567

00:24:55,250 --> 00:24:53,970

I can prove achieve okay jack that's

568

00:24:58,340 --> 00:24:55,260

exactly what I want you to do because

569

00:25:00,650 --> 00:24:58,350

these guys have a standing one hundred

570

00:25:02,840 --> 00:25:00,660

thousand dollar bounty on anybody that

571

00:25:05,060 --> 00:25:02,850

can prove things that they reckon don't

572

00:25:08,030 --> 00:25:05,070

work really work now you're saying that

573

00:25:10,130 --> 00:25:08,040

you can prove refix reflux reflexology

574

00:25:11,520 --> 00:25:10,140

actually works the Australian skeptics

575

00:25:12,960 --> 00:25:11,530

have a one-hundred-thousand-dollar

576

00:25:15,210 --> 00:25:12,970

eyes to anybody who can demonstrate

577

00:25:17,250 --> 00:25:15,220

paranormal or supernatural powers under

578

00:25:19,830 --> 00:25:17,260

mutually agreed test conditions okay

579

00:25:21,270 --> 00:25:19,840

yeah here's your opportunity Jack I want

580

00:25:23,190 --> 00:25:21,280

to see you take the money jack i'm on

581

00:25:24,930 --> 00:25:23,200

your side right i want to see you take

582

00:25:30,060 --> 00:25:24,940

the money so i want you to go to their

583

00:25:32,760 --> 00:25:30,070

website skeptics ske pti cs.com do you

584

00:25:34,320 --> 00:25:32,770

write and check out their website you'll

585

00:25:36,360 --> 00:25:34,330

find this this one hundred thousand

586

00:25:38,550 --> 00:25:36,370

dollar prize offer on there get in touch

587

00:25:39,990 --> 00:25:38,560

with the skeptics tell Richard get sent

588

00:25:41,160 --> 00:25:40,000

him an email and time that you want to

589

00:25:42,210 --> 00:25:41,170

find out all about it because you want

590

00:25:44,760 --> 00:25:42,220

to be a hundred thousand dollars richer

591

00:25:45,960 --> 00:25:44,770

and Jack I just say good luck to you

592

00:25:47,910 --> 00:25:45,970

because if you believe in what you're

593

00:25:49,430 --> 00:25:47,920

talking about with reflexology and you

594

00:25:52,200 --> 00:25:49,440

reckon you can prove that it works

595

00:25:53,880 --> 00:25:52,210

nobody's your manager take it take it up

596

00:25:56,580 --> 00:25:53,890

for sure that guaranteed you could get

597

00:25:59,880 --> 00:25:56,590

10 people 15 people that's got problems

598

00:26:01,500 --> 00:25:59,890

a problem knee problems j- Jack go to

599

00:26:03,000 --> 00:26:01,510

the website and let us know how you go

600

00:26:04,680 --> 00:26:03,010

all right thank you come on your boat

601
00:26:05,670 --> 00:26:04,690
there we go you're good could be a

602
00:26:07,470 --> 00:26:05,680
hundred thousand dollars better off

603
00:26:09,030 --> 00:26:07,480
absolutely there again he might not be

604
00:26:16,790 --> 00:26:09,040
as well ten minutes to eleven got a

605
00:26:21,600 --> 00:26:18,900
want to know how to live skeptically and

606
00:26:23,850 --> 00:26:21,610
still have friends well so do i join me

607
00:26:25,470 --> 00:26:23,860
for actually speaking a new podcast that

608
00:26:27,810 --> 00:26:25,480
explores the human side of skepticism

609
00:26:29,640 --> 00:26:27,820
will set the science side and discuss

610
00:26:32,100 --> 00:26:29,650
familiar skeptical topics from an inner

611
00:26:33,510 --> 00:26:32,110
personal perspective along the way will

612
00:26:35,160 --> 00:26:33,520
highlight specific social and

613
00:26:37,560 --> 00:26:35,170

communication skills need it to promote

614

00:26:39,480 --> 00:26:37,570

critical thinking scientific facts are

615

00:26:40,860 --> 00:26:39,490

only part of the equation what's take an

616

00:26:42,990 --> 00:26:40,870

extra step and learn how to share that

617

00:26:45,210 --> 00:26:43,000

knowledge effectively actually speaking

618

00:26:47,490 --> 00:26:45,220

a podcast that explores a human side of

619

00:26:48,960 --> 00:26:47,500

skepticism critical thinking and the

620

00:26:51,240 --> 00:26:48,970

skills we need to make it through the

621

00:26:58,290 --> 00:26:51,250

day visit actually speaking calm to

622

00:27:04,470 --> 00:26:58,300

learn more now it's time for dr. Rachel

623

00:27:06,090 --> 00:27:04,480

reports with dr. Rachel Dunlop hello

624

00:27:08,820 --> 00:27:06,100

listeners and welcome to dr. Richie

625

00:27:11,190 --> 00:27:08,830

reports well this week I'm reporting on

626

00:27:14,270 --> 00:27:11,200

a win for science skepticism and common

627

00:27:16,860 --> 00:27:14,280

sense in the House of Commons in the UK

628

00:27:18,750 --> 00:27:16,870

now a few weeks back on the think tank

629

00:27:22,080 --> 00:27:18,760

we were discussing the story of David

630

00:27:23,790 --> 00:27:22,090

try dainik who is a UK MP who spent

631

00:27:25,919 --> 00:27:23,800

approximately seven or eight hundred

632

00:27:28,980 --> 00:27:25,929

quid of taxpayers money on astrology

633

00:27:30,720 --> 00:27:28,990

software now it turns out that David

634

00:27:33,240 --> 00:27:30,730

rodenic believes in all kinds of woo

635

00:27:36,030 --> 00:27:33,250

including herbal medicine products

636

00:27:38,070 --> 00:27:36,040

complementary medicine food supplements

637

00:27:41,940 --> 00:27:38,080

dietary supplements and now it seems

638

00:27:43,590 --> 00:27:41,950

homeopathy in fact he loves homey up

639

00:27:46,950 --> 00:27:43,600

with you so much that yesterday he

640

00:27:49,620 --> 00:27:46,960

submitted three early day motions also

641

00:27:51,960 --> 00:27:49,630

called edms to the House of Commons for

642

00:27:54,930 --> 00:27:51,970

consideration now for those non UK

643

00:27:56,580 --> 00:27:54,940

listeners idioms are basically motions

644

00:27:59,580 --> 00:27:56,590

that are tabled by members of parliament

645

00:28:02,430 --> 00:27:59,590

for debate on an early day or a nun

646

00:28:04,620 --> 00:28:02,440

specific date in the future so idioms

647

00:28:06,630 --> 00:28:04,630

can cover all manner of subjects that

648

00:28:09,780 --> 00:28:06,640

the MP thinks Parliament should be made

649

00:28:12,060 --> 00:28:09,790

aware of and possibly debate so

650

00:28:14,430 --> 00:28:12,070

sometimes they address serious matters

651

00:28:16,470 --> 00:28:14,440

such as climate change or they can

652

00:28:19,560 --> 00:28:16,480

address trivial events such as the

653

00:28:24,210 --> 00:28:19,570

pigeon bombs EDM which was tabled in the

654

00:28:26,400 --> 00:28:24,220

2003 2004 session of UK Parliament now

655

00:28:27,580 --> 00:28:26,410

this EDM was concerned with a disclosure

656

00:28:30,159 --> 00:28:27,590

by mi5

657

00:28:33,240 --> 00:28:30,169

I've that it had proposed using pigeons

658

00:28:36,159 --> 00:28:33,250

as flying bombs during World War two and

659

00:28:38,680 --> 00:28:36,169

according to Wikipedia the motion

660

00:28:42,269 --> 00:28:38,690

condemned the proposal describing humans

661

00:28:45,669 --> 00:28:42,279

as quote obscene perverted cruel

662

00:28:47,980 --> 00:28:45,679

uncivilized and lethal and proposed that

663

00:28:50,289 --> 00:28:47,990

the house quote looks forward to the day

664

00:28:52,899 --> 00:28:50,299

when the inevitable asteroid slams into

665

00:28:54,960 --> 00:28:52,909

the earth and wipes them out thus giving

666

00:28:57,880 --> 00:28:54,970

nature the opportunity to start again

667

00:29:02,500 --> 00:28:57,890

now this is Wikipedia but I really hope

668

00:29:04,539 --> 00:29:02,510

that that's accurate so ATMs remain open

669

00:29:06,639 --> 00:29:04,549

for signatures for the duration of a

670

00:29:10,240 --> 00:29:06,649

parliamentary session but are rarely

671

00:29:12,909 --> 00:29:10,250

ever signed by all MPs and few make it

672

00:29:15,549 --> 00:29:12,919

to the floor for debate so let's go back

673

00:29:16,990 --> 00:29:15,559

to David enok while he apparently

674

00:29:19,210 --> 00:29:17,000

decided he had found some new

675

00:29:21,460 --> 00:29:19,220

information about homeopathy which he

676
00:29:24,210 --> 00:29:21,470
wanted to share with the house so he

677
00:29:28,330 --> 00:29:24,220
tabled three atms concerning homeopathy

678
00:29:29,980 --> 00:29:28,340
the first one was EDM 285 and claimed

679
00:29:33,850 --> 00:29:29,990
that homeopathy was an effective

680
00:29:35,980 --> 00:29:33,860
treatment for breast cancer EDM 286

681
00:29:39,250 --> 00:29:35,990
concerned homeopathy as a treatment for

682
00:29:42,669 --> 00:29:39,260
depression and EDM 287 concerned

683
00:29:44,620 --> 00:29:42,679
insomnia try genic also objected to the

684
00:29:46,570 --> 00:29:44,630
British Medical Association's recent

685
00:29:48,940 --> 00:29:46,580
public statements were they called for

686
00:29:51,519 --> 00:29:48,950
no further commissioning of nor funding

687
00:29:54,190 --> 00:29:51,529
for homeopathic remedies on the National

688
00:29:55,630 --> 00:29:54,200

Health Service this was famously

689

00:29:57,399 --> 00:29:55,640
reported as the British Medical

690

00:30:00,549 --> 00:29:57,409
Association calling homeopathy

691

00:30:03,039 --> 00:30:00,559
witchcraft so in support of his evidence

692

00:30:04,930 --> 00:30:03,049
tradin excited three published

693

00:30:08,380 --> 00:30:04,940
peer-reviewed studies as evidence for

694

00:30:10,600 --> 00:30:08,390
his claims now one of these I've talked

695

00:30:12,820 --> 00:30:10,610
about on the show before but I happen to

696

00:30:14,289 --> 00:30:12,830
know it very well since I spent the

697

00:30:17,230 --> 00:30:14,299
better part of a Saturday back in

698

00:30:19,180 --> 00:30:17,240
February debunking the entire paper the

699

00:30:21,100 --> 00:30:19,190
reason I did this was because Richard

700

00:30:23,710 --> 00:30:21,110
Saunders had received an email alert

701
00:30:26,260 --> 00:30:23,720
from homeopathy plus with the headline

702
00:30:28,060 --> 00:30:26,270
screaming homeopathy as good as

703
00:30:30,549 --> 00:30:28,070
chemotherapy for breast cancer and

704
00:30:32,950 --> 00:30:30,559
non-toxic which is a pretty

705
00:30:35,680 --> 00:30:32,960
extraordinary claim for special magic

706
00:30:37,480 --> 00:30:35,690
water and also likely to be complete

707
00:30:40,510 --> 00:30:37,490
bollocks well I won't keep you in

708
00:30:41,560 --> 00:30:40,520
suspense it is complete bollocks so let

709
00:30:43,480 --> 00:30:41,570
me read to you the

710
00:30:47,440 --> 00:30:43,490
EDM submitted by David rodenic in

711
00:30:49,240 --> 00:30:47,450
response to this paper quote that this

712
00:30:51,040 --> 00:30:49,250
house welcomes the study published in

713
00:30:53,830 --> 00:30:51,050

the international journal of oncology

714

00:30:55,660 --> 00:30:53,840

2010 februari which revealed that

715

00:30:58,450 --> 00:30:55,670

homeopathic remedies have a beneficial

716

00:31:00,340 --> 00:30:58,460

effect on breast cancer cells notes that

717

00:31:02,620 --> 00:31:00,350

researchers at the University of Texas

718

00:31:04,870 --> 00:31:02,630

conducted an in vitro study to determine

719

00:31:07,090 --> 00:31:04,880

whether products prescribed by a clinic

720

00:31:10,270 --> 00:31:07,100

in India have any effect on breast

721

00:31:12,520 --> 00:31:10,280

cancer cell lines further notes that the

722

00:31:15,310 --> 00:31:12,530

researchers studied for ultra diluted

723

00:31:17,410 --> 00:31:15,320

remedies believes that the findings

724

00:31:19,450 --> 00:31:17,420

demonstrate biological activity of these

725

00:31:22,000 --> 00:31:19,460

natural products when present at ultra

726

00:31:25,360 --> 00:31:22,010

diluted doses and calls for further

727

00:31:27,310 --> 00:31:25,370

research in this important area while I

728

00:31:29,380 --> 00:31:27,320

guess Trudy neck like homeopathy plus

729

00:31:31,030 --> 00:31:29,390

either didn't read the entire paper or

730

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

didn't understand how to interpret the

731

00:31:36,550 --> 00:31:33,050

scientific literature because this ain't

732

00:31:39,010 --> 00:31:36,560

what I gleaned from this paper once dr.

733

00:31:41,050 --> 00:31:39,020

Evan Harris had my blog and others to

734

00:31:44,200 --> 00:31:41,060

banking this paper in his sticky fingers

735

00:31:46,930 --> 00:31:44,210

dr. Julian Huppert got straight on to

736

00:31:50,170 --> 00:31:46,940

composing a rebuttal and it is a joy to

737

00:31:52,090 --> 00:31:50,180

read but before I reveal it to you let's

738

00:31:53,890 --> 00:31:52,100

hear a little of a debate between dr.

739

00:31:57,040 --> 00:31:53,900

Simon Singh and David tried enik on

740

00:31:59,890 --> 00:31:57,050

radio this is from at Costa on

741

00:32:02,380 --> 00:31:59,900

soundcloud and has what he calls a BS

742

00:32:05,010 --> 00:32:02,390

buzzer added to emphasize went regenexx

743

00:32:07,870 --> 00:32:05,020

says something wrong or stupid

744

00:32:10,300 --> 00:32:07,880

homeopathic remedies will not work and

745

00:32:11,890 --> 00:32:10,310

should not be funded by the NHS that was

746

00:32:13,300 --> 00:32:11,900

the conclusion of a parliamentary select

747

00:32:15,190 --> 00:32:13,310

committee recently but it's being

748

00:32:17,320 --> 00:32:15,200

challenged in the House of Commons by

749

00:32:19,600 --> 00:32:17,330

the Conservative MP David Trudy Nick who

750

00:32:21,640 --> 00:32:19,610

has called for a debate on the possible

751
00:32:24,010 --> 00:32:21,650
benefits of homeopathy what has he

752
00:32:25,690 --> 00:32:24,020
discovered while he's on the line as and

753
00:32:27,930 --> 00:32:25,700
with me as the office I missing who's

754
00:32:30,280 --> 00:32:27,940
been been critical of the whole

755
00:32:32,470 --> 00:32:30,290
homeopathic industry as us the right

756
00:32:35,080 --> 00:32:32,480
word and what's your evidence that it

757
00:32:37,480 --> 00:32:35,090
might work David to dainik good morning

758
00:32:39,460 --> 00:32:37,490
John what I've highlighted three news

759
00:32:40,990 --> 00:32:39,470
studies one from the University of Texas

760
00:32:45,130 --> 00:32:41,000
that shows that homeopathy is effect

761
00:32:47,530 --> 00:32:45,140
effective for cancer patients Brazil

762
00:32:49,180 --> 00:32:47,540
which shows that it helps with moderate

763
00:32:51,430 --> 00:32:49,190

to severe depression

764

00:32:54,040 --> 00:32:51,440

durban university of technology that

765

00:32:57,520 --> 00:32:54,050

shows that it's effective in treating

766

00:33:00,580 --> 00:32:57,530

primary insomnia double-blind

767

00:33:03,220 --> 00:33:00,590

placebo-controlled trials I think that

768

00:33:04,870 --> 00:33:03,230

Simon Singh would call for Simon Singh

769

00:33:07,600 --> 00:33:04,880

you've called that exactly that sort of

770

00:33:08,980 --> 00:33:07,610

testing oh yes I had a very very quick

771

00:33:12,730 --> 00:33:08,990

look at some of these studies last night

772

00:33:15,130 --> 00:33:12,740

and the the one of them for example has

773

00:33:17,520 --> 00:33:15,140

no statistics in the paper that there's

774

00:33:20,020 --> 00:33:17,530

nothing there to show that the result is

775

00:33:22,090 --> 00:33:20,030

serious which was that and that was the

776

00:33:25,060 --> 00:33:22,100

first 11 men from Texas University and

777

00:33:26,860 --> 00:33:25,070

secondly the paper the control which is

778

00:33:28,810 --> 00:33:26,870

supposed to be ineffective seems to have

779

00:33:30,610 --> 00:33:28,820

some effects so the research has seemed

780

00:33:31,990 --> 00:33:30,620

to have a control which is not adequate

781

00:33:34,060 --> 00:33:32,000

or don't know what you mean brother oh

782

00:33:35,620 --> 00:33:34,070

so so an inert substance so you're

783

00:33:36,700 --> 00:33:35,630

comparing within an earth sciences

784

00:33:38,260 --> 00:33:36,710

homeopathy they are better than the

785

00:33:41,290 --> 00:33:38,270

inert substance you might be a bow

786

00:33:44,080 --> 00:33:41,300

and although exactly so so so I don't

787

00:33:45,400 --> 00:33:44,090

think these are very good studies even

788

00:33:47,470 --> 00:33:45,410

then what you have to do is look in it

789

00:33:49,690 --> 00:33:47,480

in the rag there been over 200 clinical

790

00:33:52,390 --> 00:33:49,700

trials and over all the weight of

791

00:33:54,250 --> 00:33:52,400

evidence shows after 200 years after 200

792

00:33:56,560 --> 00:33:54,260

clinical trials the homeopathy is

793

00:33:58,690 --> 00:33:56,570

ineffective I I would change my mind in

794

00:34:00,190 --> 00:33:58,700

an instant if the evidence was there but

795

00:34:01,930 --> 00:34:00,200

the evidence is event and this is really

796

00:34:05,170 --> 00:34:01,940

this becomes slightly dangerous when

797

00:34:06,460 --> 00:34:05,180

when when when mr. trilling raises his

798

00:34:08,440 --> 00:34:06,470

issues because at the moment in

799

00:34:11,050 --> 00:34:08,450

Australia there's a coroner's inquest

800

00:34:13,260 --> 00:34:11,060

into a woman who had cancer and who went

801
00:34:15,310 --> 00:34:13,270
down a homeopathic route entirely at

802
00:34:17,770 --> 00:34:15,320
what was a completely treatable

803
00:34:19,690 --> 00:34:17,780
condition and died and i think when we

804
00:34:21,670 --> 00:34:19,700
start tempting people toward the idea

805
00:34:23,980 --> 00:34:21,680
that homeopathy country cancerous cells

806
00:34:25,450 --> 00:34:23,990
and so on where it's a very dangerous

807
00:34:26,920 --> 00:34:25,460
road to go down july i think mr.

808
00:34:29,550 --> 00:34:26,930
trinnock really should be a bit more

809
00:34:33,160 --> 00:34:29,560
responsible when he puts down easy DMS

810
00:34:35,470 --> 00:34:33,170
so now let's see what became of EDM 285

811
00:34:40,570 --> 00:34:35,480
once the harris and hubert had gone to

812
00:34:45,010 --> 00:34:40,580
town on it EDM 285 a1 now reads like

813
00:34:48,040 --> 00:34:45,020

this line to leave out from 403 to end

814

00:34:49,990 --> 00:34:48,050

and insert as an example of the failure

815

00:34:51,880 --> 00:34:50,000

of adequate scientific peer review

816

00:34:53,890 --> 00:34:51,890

because the paper provides no

817

00:34:56,080 --> 00:34:53,900

statistical analysis to support any

818

00:34:58,480 --> 00:34:56,090

conclusion indicates that the

819

00:35:00,790 --> 00:34:58,490

experimental control eighty-seven

820

00:35:02,890 --> 00:35:00,800

percent alcohol solution was itself

821

00:35:04,990 --> 00:35:02,900

toxic to the cell cultures

822

00:35:06,880 --> 00:35:05,000

did not illustrate or explain the

823

00:35:08,829 --> 00:35:06,890

different chromatographic profiles of

824

00:35:11,440 --> 00:35:08,839

the solvent and the test substances and

825

00:35:14,339 --> 00:35:11,450

does not provide sufficient data to

826

00:35:17,019 --> 00:35:14,349

allow proper evaluation of the study

827

00:35:19,900 --> 00:35:17,029

notes that the lead author has retired

828

00:35:22,150 --> 00:35:19,910

and runs a homeopathy website which

829

00:35:23,730 --> 00:35:22,160

falsely claims that homeopathy is as

830

00:35:27,339 --> 00:35:23,740

effective as a conventional chemotherapy

831

00:35:29,289 --> 00:35:27,349

agent in treating breast cancer further

832

00:35:31,769 --> 00:35:29,299

notes that one of the authors Allison

833

00:35:34,359 --> 00:35:31,779

Paulus has publicly disowned the paper

834

00:35:36,339 --> 00:35:34,369

regrets that isolated poor quality

835

00:35:38,410 --> 00:35:36,349

studies are cited by proponents of

836

00:35:41,470 --> 00:35:38,420

homeopathy to endorse dangerous and

837

00:35:43,359 --> 00:35:41,480

exploitative cancer curing claims in the

838

00:35:46,140 --> 00:35:43,369

face of overwhelming weight of

839

00:35:48,220 --> 00:35:46,150

scientific evidence against them and

840

00:35:49,690 --> 00:35:48,230

agrees with the conclusions of the

841

00:35:51,430 --> 00:35:49,700

Science and Technology Select

842

00:35:54,190 --> 00:35:51,440

Committee's fourth report session

843

00:35:55,690 --> 00:35:54,200

evidence check homeopathy that puts

844

00:35:57,880 --> 00:35:55,700

patients through pointless further

845

00:36:00,010 --> 00:35:57,890

clinical trials and the spending of

846

00:36:06,579 --> 00:36:00,020

scarce public sector funds on homeopathy

847

00:36:08,890 --> 00:36:06,589

research cannot be justified Wow so the

848

00:36:10,630 --> 00:36:08,900

comment about Allison Paulus listed as

849

00:36:12,970 --> 00:36:10,640

an author on the study publicly

850

00:36:14,980 --> 00:36:12,980

disowning this paper is derived from a

851
00:36:17,859 --> 00:36:14,990
comment she left on my blog where she

852
00:36:20,109 --> 00:36:17,869
stated that quote as an unintended

853
00:36:23,980 --> 00:36:20,119
co-author on this study I feel obligated

854
00:36:27,010 --> 00:36:23,990
to respond Allison went on to say quote

855
00:36:29,559 --> 00:36:27,020
I asked not to be included because I did

856
00:36:32,260 --> 00:36:29,569
not think it was a sound study and I

857
00:36:34,690 --> 00:36:32,270
believe this study demonstrated changes

858
00:36:36,220 --> 00:36:34,700
in alcohol percentages on cells rather

859
00:36:40,690 --> 00:36:36,230
than the efficacy of homeopathic

860
00:36:42,940 --> 00:36:40,700
medicine so the amendments to the edms

861
00:36:45,099 --> 00:36:42,950
constitute a marvelous result and a

862
00:36:48,460 --> 00:36:45,109
testament to the dedication of dr. Evan

863
00:36:50,349 --> 00:36:48,470

Harris and dr. Julian Huppert the fact

864

00:36:51,819 --> 00:36:50,359

that this message got out so quickly is

865

00:36:54,730 --> 00:36:51,829

also a credit to the power of the

866

00:36:56,470 --> 00:36:54,740

blogosphere and the Twittersphere and in

867

00:36:57,849 --> 00:36:56,480

fact this was how I originally got my

868

00:37:00,460 --> 00:36:57,859

hands on the full text of this article

869

00:37:03,490 --> 00:37:00,470

by tweeting for someone to source it for

870

00:37:06,430 --> 00:37:03,500

me and thank you to our xtal Dave or

871

00:37:08,349 --> 00:37:06,440

crystal Dave but unfortunately David

872

00:37:09,849 --> 00:37:08,359

Trudeau nick is not the only one who has

873

00:37:12,460 --> 00:37:09,859

jumped to conclusions about the findings

874

00:37:14,500 --> 00:37:12,470

of this paper I already mentioned

875

00:37:16,750 --> 00:37:14,510

homeopathy plus making a giant leap in

876

00:37:18,820 --> 00:37:16,760

logic from cells being treated in Cole

877

00:37:22,180 --> 00:37:18,830

to homeopathy is better than

878

00:37:23,800 --> 00:37:22,190

chemotherapy for cancer so many others

879

00:37:25,900 --> 00:37:23,810

have picked up this meme and run with it

880

00:37:28,780 --> 00:37:25,910

despite the fact that not even the paper

881

00:37:30,880 --> 00:37:28,790

itself makes this claim the only

882

00:37:32,860 --> 00:37:30,890

reference to a common cancer drug

883

00:37:36,670 --> 00:37:32,870

appears buried in the discussion and

884

00:37:37,900 --> 00:37:36,680

states quote interestingly the cytotoxic

885

00:37:40,330 --> 00:37:37,910

effect of two of the remedies

886

00:37:42,670 --> 00:37:40,340

investigated in this study appeared

887

00:37:44,800 --> 00:37:42,680

similar to the activity of taxol the

888

00:37:47,050 --> 00:37:44,810

most commonly used chemotherapeutic drug

889

00:37:49,570 --> 00:37:47,060

for breast cancer when it was tested in

890

00:37:52,210 --> 00:37:49,580

to carcinoma cell lines investigated in

891

00:37:54,670 --> 00:37:52,220

this study in parallel experiments this

892

00:37:58,680 --> 00:37:54,680

is followed by in brackets data not

893

00:38:02,080 --> 00:37:58,690

shown here that listeners data not shown

894

00:38:05,080 --> 00:38:02,090

so interestingly homeopathy sympathizers

895

00:38:07,900 --> 00:38:05,090

can go from data not shown to homeopathy

896

00:38:09,760 --> 00:38:07,910

can cure cancer but then I guess facts

897

00:38:13,000 --> 00:38:09,770

evidence and science never really did

898

00:38:14,530 --> 00:38:13,010

interest them that much for example it

899

00:38:16,480 --> 00:38:14,540

seems that David Trudeau neck has

900

00:38:18,490 --> 00:38:16,490

already forgotten about the findings of

901
00:38:20,590 --> 00:38:18,500
the House of Commons Science and

902
00:38:22,840 --> 00:38:20,600
Technology Committee in February this

903
00:38:25,120 --> 00:38:22,850
year following the evidence check for

904
00:38:27,220 --> 00:38:25,130
homeopathy where the recommendation was

905
00:38:30,160 --> 00:38:27,230
that the National Health Service should

906
00:38:31,690 --> 00:38:30,170
cease funding of homeopathy there should

907
00:38:33,910 --> 00:38:31,700
be no further clinical trials of

908
00:38:36,430 --> 00:38:33,920
homeopathy evidence shows homeopathy

909
00:38:38,140 --> 00:38:36,440
doesn't work explanations for why

910
00:38:40,600 --> 00:38:38,150
homeopathy works are scientifically

911
00:38:44,470 --> 00:38:40,610
implausible and the committee viewed

912
00:38:47,140 --> 00:38:44,480
homeopathy as placebo and so I'll end

913
00:38:50,700 --> 00:38:47,150

today's report with a tweet by at Paul

914

00:38:53,770 --> 00:38:50,710

and UK 2010 reflecting on today's events

915

00:38:55,780 --> 00:38:53,780

he said how to get your scientific

916

00:38:58,390 --> 00:38:55,790

papers peer reviewed by experts in the

917

00:39:02,590 --> 00:38:58,400

field get David training to cite them in

918

00:39:04,690 --> 00:39:02,600

an ATM so very true so if you wish to

919

00:39:06,910 --> 00:39:04,700

read the full blog post or the full text

920

00:39:10,120 --> 00:39:06,920

of the paper please head to my blog at

921

00:39:28,530 --> 00:39:10,130

skeptics book calm and until next time

922

00:39:34,480 --> 00:39:31,330

thank you very much for listening to the

923

00:39:37,420 --> 00:39:34,490

skeptic zone now we have one more show

924

00:39:40,300 --> 00:39:37,430

to put out before we head off to Las

925

00:39:42,580 --> 00:39:40,310

Vegas that's Iran cigar Joe and Ben

926
00:39:45,070 --> 00:39:42,590
amoud dr. HC and myself heading off to

927
00:39:46,780 --> 00:39:45,080
Las Vegas when we're in Las Vegas don't

928
00:39:49,810 --> 00:39:46,790
worry there will be a special skeptic

929
00:39:52,089 --> 00:39:49,820
zone going out regardless and when we

930
00:39:54,370 --> 00:39:52,099
come back we're going to have weeks of

931
00:39:57,310 --> 00:39:54,380
fantastic interviews of all the famous

932
00:39:59,740 --> 00:39:57,320
skeptics we can bump into so for now

933
00:40:04,720 --> 00:39:59,750
this is Richard Saunders signing off

934
00:40:07,000 --> 00:40:04,730
from Sydney Australia you've been

935
00:40:11,589 --> 00:40:07,010
listening to the skeptic zone visit our

936
00:40:14,020 --> 00:40:11,599
website at wwc a petting zoo TV for

937
00:40:17,090 --> 00:40:14,030
comments contacts and extra video

938
00:40:17,100 --> 00:40:21,400

it

939

00:40:21,410 --> 00:40:29,009

check