

1  
00:00:06,360 --> 00:00:14,100  
welcome to the skeptic zone the podcast

2  
00:00:09,519 --> 00:00:14,099  
from Australia for science and reason

3  
00:00:20,760 --> 00:00:27,730  
hello and welcome to the skeptic zone

4  
00:00:23,589 --> 00:00:29,829  
show number 88 for the 25th of jun 2010

5  
00:00:27,730 --> 00:00:32,618  
Richard Saunders here with you from my

6  
00:00:29,829 --> 00:00:35,378  
little studio in Sydney Australia on

7  
00:00:32,618 --> 00:00:37,929  
this week's show we chatted tim bailey

8  
00:00:35,378 --> 00:00:40,960  
from the Colorado humanists who was

9  
00:00:37,929 --> 00:00:43,780  
visiting Sydney just recently and after

10  
00:00:40,960 --> 00:00:47,160  
that we have a clip from dr. ray and I

11  
00:00:43,780 --> 00:00:50,379  
appearing on radio 2 GB here in Sydney

12  
00:00:47,159 --> 00:00:53,109  
where we get a call from somebody called

13  
00:00:50,378 --> 00:00:57,429  
Jack who tells us all about magnetic

14  
00:00:53,109 --> 00:00:59,920  
therapy and reflexology after that it's

15  
00:00:57,429 --> 00:01:01,780  
dr. Richie reports where she fills us in

16  
00:00:59,920 --> 00:01:04,359  
on the latest information from the UK

17  
00:01:01,780 --> 00:01:06,939  
about the early day motions and

18  
00:01:04,359 --> 00:01:09,069  
homeopathy thank you for those people

19  
00:01:06,939 --> 00:01:10,868  
who have recently sent us donations to

20  
00:01:09,069 --> 00:01:13,809  
help us keep the show ticking over we do

21  
00:01:10,868 --> 00:01:15,430  
appreciate it we really do and thank you

22  
00:01:13,810 --> 00:01:17,350  
to those people writing to me saying

23  
00:01:15,430 --> 00:01:20,410  
that there they will be at the amazing

24  
00:01:17,349 --> 00:01:23,469  
meeting in Las Vegas and we'll catch up

25  
00:01:20,409 --> 00:01:27,929  
looking forward to that enormously but

26  
00:01:23,469 --> 00:01:33,750  
for now sit back have a nice cup of

27  
00:01:27,929 --> 00:01:33,750  
coffee and enjoy the skeptics are

28  
00:01:43,010 --> 00:01:48,210  
tim bailey is a corporate trainer

29

00:01:45,319 --> 00:01:51,359  
educator and Amber to skeptic and

30  
00:01:48,209 --> 00:01:53,969  
ammeter atheist and all over ammeter

31  
00:01:51,359 --> 00:01:55,739  
human being when he is not traveling

32  
00:01:53,969 --> 00:01:57,989  
around the world to conduct training

33  
00:01:55,739 --> 00:02:00,539  
classes for his clients or meeting fine

34  
00:01:57,989 --> 00:02:02,849  
skeptics and atheists he can be found in

35  
00:02:00,540 --> 00:02:06,000  
denver colorado forming secular

36  
00:02:02,849 --> 00:02:08,939  
ceremonies as celebrating times of

37  
00:02:06,000 --> 00:02:11,389  
change and acting like he is the vice

38  
00:02:08,939 --> 00:02:14,310  
president of the humanists of colorado

39  
00:02:11,389 --> 00:02:27,029  
he can be found online at various sites

40  
00:02:14,310 --> 00:02:30,180  
under the call letters TC s g r v well

41  
00:02:27,030 --> 00:02:34,020  
what can I say listeners I'm here right

42  
00:02:30,180 --> 00:02:35,909  
on Sydney Harbour on my left hand side

43  
00:02:34,020 --> 00:02:37,770

is the beautiful opera house hold it up

44

00:02:35,909 --> 00:02:40,229

on my right hand side over my shoulder

45

00:02:37,770 --> 00:02:42,120

it's the Sydney Harbour Bridge lit up in

46

00:02:40,229 --> 00:02:45,149

the cities sort of it directly in front

47

00:02:42,120 --> 00:02:48,120

of me this is a place I've brought my

48

00:02:45,150 --> 00:02:50,490

guest this evening tim bailey hello Tim

49

00:02:48,120 --> 00:02:52,230

hello how are you tonight I'm doing

50

00:02:50,490 --> 00:02:55,140

particularly well we just had a lovely

51

00:02:52,229 --> 00:02:57,389

beer in a belgium beer belgian beer

52

00:02:55,139 --> 00:02:59,089

house hell Jim be a house and I've

53

00:02:57,389 --> 00:03:02,699

thought I'd bring you down to one of the

54

00:02:59,090 --> 00:03:04,229

most gorgeous spots here on Sydney

55

00:03:02,699 --> 00:03:05,699

Harbour to have a chat with you I'm

56

00:03:04,229 --> 00:03:08,159

quite impressed with it to your sites

57

00:03:05,699 --> 00:03:11,549

are very good and I can see some

58  
00:03:08,159 --> 00:03:13,709  
architecture that I haven't anticipated

59  
00:03:11,550 --> 00:03:17,100  
plus the Opera House is over to my left

60  
00:03:13,709 --> 00:03:18,449  
and that's quite a sight to see so I'm

61  
00:03:17,099 --> 00:03:20,969  
looking forward to exploring that a

62  
00:03:18,449 --> 00:03:23,429  
little bit more tomorrow and I think

63  
00:03:20,969 --> 00:03:25,259  
we'll probably get a fairy 02 and some

64  
00:03:23,430 --> 00:03:27,719  
water lapping and lovely sound effects

65  
00:03:25,259 --> 00:03:29,969  
coming along as we would have our chat

66  
00:03:27,719 --> 00:03:32,069  
now you're in Sydney of course at the

67  
00:03:29,969 --> 00:03:34,319  
moment on business onion my career is

68  
00:03:32,069 --> 00:03:38,699  
within adult education in the sense that

69  
00:03:34,319 --> 00:03:40,949  
my predominant line of work is that I

70  
00:03:38,699 --> 00:03:42,689  
will get up in front of classes and

71  
00:03:40,949 --> 00:03:45,629  
train them in database software

72  
00:03:42,689 --> 00:03:47,300  
solutions but also to I decided to take

73  
00:03:45,629 --> 00:03:50,719  
a little bit of a site

74  
00:03:47,300 --> 00:03:54,170  
trip in my festivities in or activities

75  
00:03:50,719 --> 00:03:56,270  
and I also perform secular weddings with

76  
00:03:54,169 --> 00:03:57,949  
in secular weddings in Colorado secular

77  
00:03:56,270 --> 00:04:00,189  
weddings in Colorado how does that work

78  
00:03:57,949 --> 00:04:03,500  
exactly how does that work legally in

79  
00:04:00,189 --> 00:04:05,829  
Colorado just the laws are not strict in

80  
00:04:03,500 --> 00:04:09,349  
the sense that you have to be a

81  
00:04:05,830 --> 00:04:13,070  
clergyman in order to perform a wedding

82  
00:04:09,349 --> 00:04:16,459  
yeah you can be a somebody who actually

83  
00:04:13,069 --> 00:04:18,949  
is either a justice of the peace or a

84  
00:04:16,459 --> 00:04:21,709  
third party who can actually perform a

85  
00:04:18,949 --> 00:04:23,180  
wedding for anybody within the colorado

86

00:04:21,709 --> 00:04:26,870  
area did you have to go through a

87  
00:04:23,180 --> 00:04:29,750  
process to register for this yes I did I

88  
00:04:26,870 --> 00:04:33,230  
am a certified celebrant be the

89  
00:04:29,750 --> 00:04:35,360  
celebrant society a part of the American

90  
00:04:33,230 --> 00:04:37,759  
Humanist Association Wow within the

91  
00:04:35,360 --> 00:04:40,090  
United States of America and you finding

92  
00:04:37,759 --> 00:04:43,219  
that's a popular thing for people to do

93  
00:04:40,089 --> 00:04:45,289  
at first I anticipated that it would

94  
00:04:43,220 --> 00:04:48,770  
just be a side venture you know just

95  
00:04:45,290 --> 00:04:50,300  
maybe one or two weddings a year but my

96  
00:04:48,769 --> 00:04:52,939  
wife and I had found that we've had

97  
00:04:50,300 --> 00:04:55,250  
several people that were interested in

98  
00:04:52,939 --> 00:04:59,110  
our services not just for weddings but

99  
00:04:55,250 --> 00:05:02,209  
for secular celebrations to mark say

100  
00:04:59,110 --> 00:05:04,970

baby naming ceremonies coming of age

101

00:05:02,209 --> 00:05:07,219

ceremony icings they wanted to have

102

00:05:04,970 --> 00:05:09,890

ceremonies in which did not have any

103

00:05:07,220 --> 00:05:13,520

religious influence whatsoever they

104

00:05:09,889 --> 00:05:16,240

either were from a family that religion

105

00:05:13,519 --> 00:05:19,909

was never a big part of their lives or

106

00:05:16,240 --> 00:05:21,710

the individuals who are getting married

107

00:05:19,910 --> 00:05:25,370

are from different religious traditions

108

00:05:21,709 --> 00:05:28,579

I see and so they did not want to have

109

00:05:25,370 --> 00:05:30,168

religion being a factor in their

110

00:05:28,579 --> 00:05:34,969

weddings that were going to cause either

111

00:05:30,168 --> 00:05:36,649

conflict or to be an area in which would

112

00:05:34,970 --> 00:05:38,540

detract from the fact that they're

113

00:05:36,649 --> 00:05:43,069

celebrating getting together and having

114

00:05:38,540 --> 00:05:44,660

a wedding Brian and so and so my wife

115  
00:05:43,069 --> 00:05:47,800  
and I put together a company called

116  
00:05:44,660 --> 00:05:50,180  
celebrating times of change right in

117  
00:05:47,800 --> 00:05:52,189  
which I imagine is office on the

118  
00:05:50,180 --> 00:05:55,019  
internet right yes it is so we have a

119  
00:05:52,189 --> 00:05:57,060  
website at celebrating times com right

120  
00:05:55,019 --> 00:05:59,159  
with in Colorado we've had some

121  
00:05:57,060 --> 00:06:01,410  
individuals who already have signed up

122  
00:05:59,160 --> 00:06:04,319  
and had decided to have their weddings

123  
00:06:01,410 --> 00:06:08,490  
with us and our goal is to basically

124  
00:06:04,319 --> 00:06:11,009  
provide for them the most memorable and

125  
00:06:08,490 --> 00:06:13,918  
beautiful wedding ceremony one that in

126  
00:06:11,009 --> 00:06:15,810  
fact I sit down with the clients and say

127  
00:06:13,918 --> 00:06:18,209  
what would you like for your ceremony

128  
00:06:15,810 --> 00:06:20,728  
and say I've get to know them a little

129  
00:06:18,209 --> 00:06:24,418  
bit more and then we draft up and write

130  
00:06:20,728 --> 00:06:26,399  
a ceremony just for them Wow but that's

131  
00:06:24,418 --> 00:06:28,799  
that's one of the things that we decided

132  
00:06:26,399 --> 00:06:31,469  
to do we say well it doesn't have to be

133  
00:06:28,800 --> 00:06:33,780  
religious yes it could be just

134  
00:06:31,470 --> 00:06:36,990  
meaningful something not specific to

135  
00:06:33,779 --> 00:06:39,598  
them and then after that making it

136  
00:06:36,990 --> 00:06:43,110  
uniquely theirs writing something in you

137  
00:06:39,598 --> 00:06:44,719  
can then afterwards we perform it that's

138  
00:06:43,110 --> 00:06:47,430  
fantastic now what can you tell me about

139  
00:06:44,720 --> 00:06:50,400  
the history as far as you know it of the

140  
00:06:47,430 --> 00:06:52,740  
the humanist movement in Colorado um

141  
00:06:50,399 --> 00:06:55,198  
diem the humanistic Colorado has been

142  
00:06:52,740 --> 00:06:58,288  
around since the 80s mm-hmm when I first

143

00:06:55,199 --> 00:07:00,658  
moved to Colorado in 2003 one of the

144  
00:06:58,288 --> 00:07:02,879  
goals that I had was to get involved

145  
00:07:00,658 --> 00:07:04,529  
with the secular organizations and the

146  
00:07:02,879 --> 00:07:08,250  
skeptical organizations within the

147  
00:07:04,529 --> 00:07:09,629  
colorado area one of the first ones i

148  
00:07:08,250 --> 00:07:11,968  
came across was the humanists of

149  
00:07:09,629 --> 00:07:15,209  
colorado i attended a few of their

150  
00:07:11,968 --> 00:07:18,418  
meetings was which was at a local

151  
00:07:15,209 --> 00:07:22,709  
unitarian universalist church okay isn't

152  
00:07:18,418 --> 00:07:24,269  
and then from there i met several of the

153  
00:07:22,709 --> 00:07:25,680  
individuals who were leading the

154  
00:07:24,269 --> 00:07:30,028  
organization as well as some of the

155  
00:07:25,680 --> 00:07:32,930  
other members and after about six months

156  
00:07:30,028 --> 00:07:35,848  
to a year i found myself on the board

157  
00:07:32,930 --> 00:07:38,699

and then quickly after that i found

158

00:07:35,848 --> 00:07:41,509

myself president of the board oh wow and

159

00:07:38,699 --> 00:07:45,330

i had been president of the board until

160

00:07:41,509 --> 00:07:47,520

last year june of last year when i had

161

00:07:45,329 --> 00:07:49,139

passed a baton over to a gentleman by

162

00:07:47,519 --> 00:07:50,788

the name of Richard Burke who is not a

163

00:07:49,139 --> 00:07:52,800

president and I'm currently the vice

164

00:07:50,788 --> 00:07:55,079

president of the board of the getting us

165

00:07:52,800 --> 00:07:56,879

a Colorado now you're a Globetrotter of

166

00:07:55,079 --> 00:07:57,659

course as you are mentioning before you

167

00:07:56,879 --> 00:07:59,850

you

168

00:07:57,660 --> 00:08:01,410

we're having a chat over a beer your

169

00:07:59,850 --> 00:08:03,570

work takes you around the world to

170

00:08:01,410 --> 00:08:05,820

Europe especially mm-hmm and to New

171

00:08:03,569 --> 00:08:08,849

Zealand and I'm so glad that you drop me

172  
00:08:05,819 --> 00:08:10,560  
a line to say what could we do could we

173  
00:08:08,850 --> 00:08:12,390  
meet up and you're coming to skeptics in

174  
00:08:10,560 --> 00:08:14,399  
the pub next week yes I'm really looking

175  
00:08:12,389 --> 00:08:16,500  
forward to that then one of the things

176  
00:08:14,399 --> 00:08:19,879  
in which I attempt to do when I go on

177  
00:08:16,500 --> 00:08:21,750  
trips is I look online to see what

178  
00:08:19,879 --> 00:08:24,060  
organizations are within the areas in

179  
00:08:21,750 --> 00:08:25,649  
which I go to for instance when I went

180  
00:08:24,060 --> 00:08:27,870  
to South Carolina I said well I'm going

181  
00:08:25,649 --> 00:08:29,699  
to look up what's there and I found

182  
00:08:27,870 --> 00:08:31,199  
secular humanists of the low country and

183  
00:08:29,699 --> 00:08:34,259  
had a great time with it yes there yeah

184  
00:08:31,199 --> 00:08:36,598  
and when I was coming here I said well

185  
00:08:34,259 --> 00:08:38,099  
what's going on so I found that yep

186  
00:08:36,599 --> 00:08:41,009  
skeptics of the pub was going to be on

187  
00:08:38,099 --> 00:08:44,460  
the last Thursday right before i was to

188  
00:08:41,009 --> 00:08:47,580  
leave which is the thursday on coming up

189  
00:08:44,460 --> 00:08:49,769  
in fact that'll be the first of june

190  
00:08:47,580 --> 00:08:51,780  
first of july here in Sydney so

191  
00:08:49,769 --> 00:08:54,000  
listeners in Sydney come along and you

192  
00:08:51,779 --> 00:08:57,329  
can meet him in person no I would love

193  
00:08:54,000 --> 00:09:00,570  
to meet you up and then I fly back home

194  
00:08:57,330 --> 00:09:01,860  
on the second of July oh so first thing

195  
00:09:00,570 --> 00:09:06,090  
in the morning first thing in the

196  
00:09:01,860 --> 00:09:07,470  
morning yes however I am completely able

197  
00:09:06,090 --> 00:09:09,180  
to stay awake for the entire evening

198  
00:09:07,470 --> 00:09:10,950  
because I'm gonna be sleeping on them

199  
00:09:09,179 --> 00:09:15,569  
playing on the way back home to Colorado

200

00:09:10,950 --> 00:09:17,610  
that might not be a bad idea so I'm I'm

201  
00:09:15,570 --> 00:09:19,590  
really pleased to hear that you make the

202  
00:09:17,610 --> 00:09:21,600  
effort to see what's going on in the

203  
00:09:19,590 --> 00:09:23,639  
local area have you had any other good

204  
00:09:21,600 --> 00:09:25,320  
experiences without the meeting local

205  
00:09:23,639 --> 00:09:27,330  
skeptics and

206  
00:09:25,320 --> 00:09:29,550  
like-minded people I've had plenty of

207  
00:09:27,330 --> 00:09:32,310  
splendid experiences I've even spent

208  
00:09:29,549 --> 00:09:34,620  
some time with the Minnesota atheists oh

209  
00:09:32,309 --> 00:09:37,369  
yeah and some of the folks up in

210  
00:09:34,620 --> 00:09:42,090  
Minneapolis st. Paul Minnesota area

211  
00:09:37,370 --> 00:09:43,860  
August Berkshire some of the meetups

212  
00:09:42,090 --> 00:09:46,470  
that they've had up there I've gotten

213  
00:09:43,860 --> 00:09:48,779  
together at an ethiopian restaurant good

214  
00:09:46,470 --> 00:09:50,850

heavens with them and had some great

215

00:09:48,779 --> 00:09:54,149

conversations with some folks that I

216

00:09:50,850 --> 00:09:55,950

even converse with afterwards online for

217

00:09:54,149 --> 00:09:58,049

several months afterwards right now you

218

00:09:55,950 --> 00:10:01,020

go to the UK I have you been there yet

219

00:09:58,049 --> 00:10:04,379

yes I've been to I spent two weeks in

220

00:10:01,019 --> 00:10:06,049

the Bristol area wristlet I've also had

221

00:10:04,379 --> 00:10:09,269

a chance to get down to portishead I

222

00:10:06,049 --> 00:10:12,179

also took a tour that took me to

223

00:10:09,269 --> 00:10:14,399

Stonehenge Avebury a couple of the

224

00:10:12,179 --> 00:10:17,429

little villages and of course since i'm

225

00:10:14,399 --> 00:10:20,009

on facebook as well as many of my nieces

226

00:10:17,429 --> 00:10:22,079

and nephews the first things that they

227

00:10:20,009 --> 00:10:25,019

wanted to see is i want pictures of

228

00:10:22,080 --> 00:10:27,780

Stonehenge with you it's Donuts I said

229

00:10:25,019 --> 00:10:30,179

okay I'll do that and since they also

230

00:10:27,779 --> 00:10:32,399

were quite a bit of fans of Harry Potter

231

00:10:30,179 --> 00:10:34,799

amongst some of my nieces and nephews I

232

00:10:32,399 --> 00:10:37,139

made sure that I got my pictures taken

233

00:10:34,799 --> 00:10:38,459

at some of these local spots that

234

00:10:37,139 --> 00:10:40,500

they had some of the scenes from the

235

00:10:38,460 --> 00:10:42,240

movie oh well I must admit I've been

236

00:10:40,500 --> 00:10:44,190

guilty of doing sort of similar things

237

00:10:42,240 --> 00:10:47,909

myself the first time I went to London I

238

00:10:44,190 --> 00:10:51,420

went to Abbey Road next time I go to

239

00:10:47,909 --> 00:10:53,879

London I have to do the same yeah at the

240

00:10:51,419 --> 00:10:56,459

time for me it was it was a must it was

241

00:10:53,879 --> 00:10:58,769

a must thing to do but no I the UK is

242

00:10:56,460 --> 00:11:01,500

that just crawling the skeptics I these

243  
00:10:58,769 --> 00:11:03,329  
days they're doing a wonderful job this

244  
00:11:01,500 --> 00:11:05,330  
podcast right left and centre and there

245  
00:11:03,330 --> 00:11:07,939  
are meetup moves the skeptics in the pub

246  
00:11:05,330 --> 00:11:11,089  
all over the country in fact

247  
00:11:07,938 --> 00:11:13,879  
the British Isles yeah and when I was in

248  
00:11:11,089 --> 00:11:16,189  
Bristol I didn't get much of a chance to

249  
00:11:13,879 --> 00:11:18,220  
do much exploring because i was working

250  
00:11:16,188 --> 00:11:21,108  
quite a bit during those two weeks

251  
00:11:18,220 --> 00:11:24,470  
however i did take that one tour that

252  
00:11:21,109 --> 00:11:27,979  
got me out of the city i am going to be

253  
00:11:24,470 --> 00:11:29,749  
going back to Bristol sometime within

254  
00:11:27,979 --> 00:11:31,729  
the next year I'm just not entirely sure

255  
00:11:29,749 --> 00:11:33,528  
when right but I hope to spend more time

256  
00:11:31,729 --> 00:11:35,509  
in London when I'm able to go do you

257

00:11:33,528 --> 00:11:37,639  
think you'll be visiting australia

258  
00:11:35,509 --> 00:11:40,519  
sydney more frequent well I certainly

259  
00:11:37,639 --> 00:11:43,938  
hope so in fact if the pattern continues

260  
00:11:40,519 --> 00:11:45,649  
with previous experience all most likely

261  
00:11:43,938 --> 00:11:47,389  
will be here within the next year that

262  
00:11:45,649 --> 00:11:49,788  
would be fantastic but I understand you

263  
00:11:47,389 --> 00:11:51,438  
can't quite manage to come to the

264  
00:11:49,788 --> 00:11:53,838  
amazing meeting in Australia this year

265  
00:11:51,438 --> 00:11:56,778  
no in fact I was attempting to line up

266  
00:11:53,839 --> 00:11:59,779  
the events so that I my trip here was

267  
00:11:56,778 --> 00:12:02,568  
going to line up and I was really giving

268  
00:11:59,778 --> 00:12:04,639  
hints and saying you know this would be

269  
00:12:02,568 --> 00:12:06,708  
the best time yeah or me to get over

270  
00:12:04,639 --> 00:12:08,839  
there however they wanted to training

271  
00:12:06,708 --> 00:12:12,108

session much earlier than that so that

272

00:12:08,839 --> 00:12:14,119

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

273

00:12:12,109 --> 00:12:15,979

probably not going to be able to return

274

00:12:14,119 --> 00:12:18,048

during that well I mean it is not too

275

00:12:15,979 --> 00:12:20,299

bad i mean it is winter time here and

276

00:12:18,048 --> 00:12:22,848

normally where we're sitting at the

277

00:12:20,298 --> 00:12:24,769

moment it would be a bit too a bit too

278

00:12:22,849 --> 00:12:27,379

cold but it's just we're very lucky

279

00:12:24,769 --> 00:12:29,538

tonight is just beautiful but the moon

280

00:12:27,379 --> 00:12:31,339

is out yeah he stars around oh there it

281

00:12:29,538 --> 00:12:32,509

is it's the folks behind clouds but now

282

00:12:31,339 --> 00:12:34,369

it's come back and see the southern

283

00:12:32,509 --> 00:12:36,668

hemisphere stars that I don't usually

284

00:12:34,369 --> 00:12:39,949

get to see during the well you know why

285

00:12:36,668 --> 00:12:42,019

correctly it above us right now those

286  
00:12:39,948 --> 00:12:44,149  
days you can see yes I that's the

287  
00:12:42,019 --> 00:12:46,428  
Southern Cross yep that's the Southern

288  
00:12:44,149 --> 00:12:50,389  
Cross that it's the clouds the towns of

289  
00:12:46,428 --> 00:12:53,088  
pardon just for us you can see the the

290  
00:12:50,389 --> 00:12:54,889  
cross shape mmm those four stars and to

291  
00:12:53,089 --> 00:12:56,899  
their left of the to what we call the

292  
00:12:54,889 --> 00:12:58,818  
point is here and there it is that's

293  
00:12:56,899 --> 00:13:02,178  
nothing console these are stars I can't

294  
00:12:58,818 --> 00:13:03,948  
see from Denver mmm however when I'm up

295  
00:13:02,178 --> 00:13:08,358  
in the mountains in Denver I'd love to

296  
00:13:03,948 --> 00:13:10,639  
gaze at the stars and one of my early

297  
00:13:08,359 --> 00:13:12,889  
childhood experiences was with the

298  
00:13:10,639 --> 00:13:14,808  
telescope and getting involved in

299  
00:13:12,889 --> 00:13:16,080  
astronomy in fact it was astronomy that

300  
00:13:14,808 --> 00:13:17,850  
got me involved in

301  
00:13:16,080 --> 00:13:19,560  
my interest in science we were just

302  
00:13:17,850 --> 00:13:21,060  
having a quick chat about it earlier

303  
00:13:19,559 --> 00:13:23,099  
because I took you to what we call our

304  
00:13:21,059 --> 00:13:24,779  
customs house here where there's a giant

305  
00:13:23,100 --> 00:13:27,720  
three-dimensional model of downtown

306  
00:13:24,779 --> 00:13:29,669  
Sydney which is most impressive and I

307  
00:13:27,720 --> 00:13:32,639  
was pointing out the observatory to you

308  
00:13:29,669 --> 00:13:35,399  
and if you look over your shoulder your

309  
00:13:32,639 --> 00:13:37,769  
right shoulder behind that building and

310  
00:13:35,399 --> 00:13:40,019  
behind the leader and harbour bridge is

311  
00:13:37,769 --> 00:13:43,379  
the observatory so right very far from

312  
00:13:40,019 --> 00:13:44,879  
we were sitting at the moment okay you

313  
00:13:43,379 --> 00:13:47,549  
have together I'm definitely gonna have

314

00:13:44,879 --> 00:13:50,580  
to go see that because i've also been to

315  
00:13:47,549 --> 00:13:52,679  
the Peak Observatory in southern Arizona

316  
00:13:50,580 --> 00:13:55,320  
he one time just to visit that and see

317  
00:13:52,679 --> 00:13:56,879  
how that was but but it was astronomy

318  
00:13:55,320 --> 00:13:59,250  
that really piqued my interest in

319  
00:13:56,879 --> 00:14:01,590  
science well you know that's that's

320  
00:13:59,250 --> 00:14:05,940  
partly true of myself and I'm sure many

321  
00:14:01,590 --> 00:14:08,570  
of our listeners for me it was things

322  
00:14:05,940 --> 00:14:11,280  
like Carl Sagan and when she completely

323  
00:14:08,570 --> 00:14:14,040  
got me hooked when I was about 15

324  
00:14:11,279 --> 00:14:16,019  
because he was talking about astronomy

325  
00:14:14,039 --> 00:14:18,419  
and the stars and the planets and i

326  
00:14:16,019 --> 00:14:20,939  
found this endlessly fan I still do

327  
00:14:18,419 --> 00:14:22,860  
endlessly fascinating now one of my one

328  
00:14:20,940 --> 00:14:25,020

of my first Carl Sagan books that was

329

00:14:22,860 --> 00:14:26,850

given to me was broke his brain II and

330

00:14:25,019 --> 00:14:28,379

then one of the last ones that I

331

00:14:26,850 --> 00:14:31,110

obtained was of course to demon haunted

332

00:14:28,379 --> 00:14:33,509

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

333

00:14:31,110 --> 00:14:35,070

must-read for any skeptic and it is the

334

00:14:33,509 --> 00:14:39,870

baloney detection kit I've used many

335

00:14:35,070 --> 00:14:42,930

times or no well of course how good

336

00:14:39,870 --> 00:14:44,820

friend feel played the bad astronomer

337

00:14:42,929 --> 00:14:46,259

he's from Colorado yes yes and now we

338

00:14:44,820 --> 00:14:48,210

were discussing before that there seems

339

00:14:46,259 --> 00:14:50,700

to be a very strong skeptical and

340

00:14:48,210 --> 00:14:53,129

secular group and movement in Colorado

341

00:14:50,700 --> 00:14:55,890

itself there is and there is the

342

00:14:53,129 --> 00:14:57,899

mile-high skeptics which is a meetup

343  
00:14:55,889 --> 00:15:00,199  
organization and are several different

344  
00:14:57,899 --> 00:15:03,120  
individuals involved with that and

345  
00:15:00,200 --> 00:15:05,370  
they're quite well known at least

346  
00:15:03,120 --> 00:15:08,700  
amongst the secular community within

347  
00:15:05,370 --> 00:15:10,950  
Colorado there's also the Rocky Mountain

348  
00:15:08,700 --> 00:15:13,050  
Paranormal Research Society I've heard a

349  
00:15:10,950 --> 00:15:16,830  
lot about that so Backstrom Bonner yes

350  
00:15:13,049 --> 00:15:18,779  
in fact the program that we had it to

351  
00:15:16,830 --> 00:15:21,030  
humanists of Colorado about a year and a

352  
00:15:18,779 --> 00:15:23,509  
half ago where we had them come and

353  
00:15:21,029 --> 00:15:26,339  
speak and do a multimedia presentation

354  
00:15:23,509 --> 00:15:29,189  
was one of the best and well received

355  
00:15:26,340 --> 00:15:31,740  
and and best performed programs we ever

356  
00:15:29,190 --> 00:15:35,400  
had at the humanists Wow I'd love to say

357  
00:15:31,740 --> 00:15:38,539  
that our members were absolutely and not

358  
00:15:35,399 --> 00:15:41,669  
only entertained but educated by that

359  
00:15:38,539 --> 00:15:43,349  
presentation is yes yeah that's one of

360  
00:15:41,669 --> 00:15:46,740  
my favorites it's such a great name for

361  
00:15:43,350 --> 00:15:49,040  
an organization to because you would

362  
00:15:46,740 --> 00:15:53,340  
actually think that okay they explore

363  
00:15:49,039 --> 00:15:58,909  
paranormal they're gonna tell you about

364  
00:15:53,340 --> 00:16:01,320  
the ghosts and about to UFO little

365  
00:15:58,909 --> 00:16:03,059  
that's interesting as a plane going up

366  
00:16:01,320 --> 00:16:05,460  
ahead but I just noticed in the clouds

367  
00:16:03,059 --> 00:16:08,009  
and their spotlights can you sit there

368  
00:16:05,460 --> 00:16:10,190  
yester if the spotlights from below

369  
00:16:08,009 --> 00:16:12,899  
wonder where they're coming from

370  
00:16:10,190 --> 00:16:14,820  
actually the spotlights could be coming

371

00:16:12,899 --> 00:16:17,459  
from darling harbour because every

372  
00:16:14,820 --> 00:16:20,340  
evening during the last week that I was

373  
00:16:17,460 --> 00:16:22,410  
here they had a large screen in which

374  
00:16:20,340 --> 00:16:24,660  
they had to live world cup soccer

375  
00:16:22,409 --> 00:16:27,179  
matches quite possibly yeah that'll be

376  
00:16:24,659 --> 00:16:29,809  
on tonight of course yes and even though

377  
00:16:27,179 --> 00:16:32,039  
Australia is no longer in the running

378  
00:16:29,809 --> 00:16:33,989  
unfortunately however New Zealand to

379  
00:16:32,039 --> 00:16:37,069  
there and New Zealand is out yes and

380  
00:16:33,990 --> 00:16:41,460  
italy is out idly that's a seraph espejo

381  
00:16:37,070 --> 00:16:43,170  
glass that's up I was also lucky enough

382  
00:16:41,460 --> 00:16:45,300  
to be with some friends back at the

383  
00:16:43,169 --> 00:16:48,479  
University of Colorado back in nineteen

384  
00:16:45,299 --> 00:16:51,779  
ninety some of them from Greece some of

385  
00:16:48,480 --> 00:16:54,060

them from Italy who got me so hooked and

386

00:16:51,779 --> 00:16:56,639

roll Cup soccer I've had to watch it

387

00:16:54,059 --> 00:16:58,349

every four years since then that's

388

00:16:56,639 --> 00:17:00,240

that's the only time I really take an

389

00:16:58,350 --> 00:17:03,000

interest in that's what I must say now

390

00:17:00,240 --> 00:17:05,890

just behind me now we've got this is one

391

00:17:03,000 --> 00:17:08,890

of the little fast ferries

392

00:17:05,890 --> 00:17:11,829

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

393

00:17:08,890 --> 00:17:13,270

that one goes but behind it and about to

394

00:17:11,828 --> 00:17:15,490

pass in front of the opera house is one

395

00:17:13,269 --> 00:17:18,190

of the major commuter fairies off de

396

00:17:15,490 --> 00:17:20,559

manly and that's and a half hour trip

397

00:17:18,190 --> 00:17:22,920

which is a cheap way to see the wonders

398

00:17:20,559 --> 00:17:25,869

of sidney harman there it is now yep

399

00:17:22,920 --> 00:17:27,640

looks so nice at night time too it does

400  
00:17:25,869 --> 00:17:30,069  
look nice looks like it would be

401  
00:17:27,640 --> 00:17:31,570  
actually a fun trip to take yeah I

402  
00:17:30,069 --> 00:17:33,519  
reckon married that like I said it's a

403  
00:17:31,569 --> 00:17:34,839  
cheap way to see a great deal of the

404  
00:17:33,519 --> 00:17:37,420  
harbor and you end up at Manly Beach

405  
00:17:34,839 --> 00:17:39,579  
which is a great place to to visit to

406  
00:17:37,420 --> 00:17:40,840  
there goes another small one i'm not

407  
00:17:39,579 --> 00:17:43,240  
sure where that one's off to I've

408  
00:17:40,839 --> 00:17:44,980  
actually promised all the nieces and

409  
00:17:43,240 --> 00:17:46,630  
nephews and the family members and other

410  
00:17:44,980 --> 00:17:48,190  
friends that I'm going to provide for

411  
00:17:46,630 --> 00:17:50,760  
them many pictures move for this

412  
00:17:48,190 --> 00:17:54,250  
particular trip when i was in england i

413  
00:17:50,759 --> 00:17:57,369  
joked that I had taken over 500 photos

414  
00:17:54,250 --> 00:18:01,839  
and I thought it was lying until i found

415  
00:17:57,369 --> 00:18:04,659  
out i took 526 so i am behind on this

416  
00:18:01,839 --> 00:18:06,609  
trip i actually have to catch up and get

417  
00:18:04,660 --> 00:18:09,300  
at least 500 photos as well now that one

418  
00:18:06,609 --> 00:18:09,299  
you can hear now

419  
00:18:10,369 --> 00:18:15,349  
just going pastas now that's a water

420  
00:18:12,619 --> 00:18:17,058  
taxi I you know okay that's amazing this

421  
00:18:15,349 --> 00:18:19,308  
looks like a rowing boat with a belt

422  
00:18:17,058 --> 00:18:22,910  
with a bill hovering it's a camper on it

423  
00:18:19,308 --> 00:18:25,129  
is what I'm trying to do of course is

424  
00:18:22,910 --> 00:18:27,200  
sell the wonders of Sydney Harbour to

425  
00:18:25,130 --> 00:18:30,140  
our visitors he'll be here in November

426  
00:18:27,200 --> 00:18:32,240  
for the amazing yes and for those of you

427  
00:18:30,140 --> 00:18:34,220  
who are going to be at an amazing

428

00:18:32,240 --> 00:18:37,308  
meeting in november i am quite envious

429  
00:18:34,220 --> 00:18:40,370  
of you because as always i tend to be at

430  
00:18:37,308 --> 00:18:41,960  
the right place at the wrong time well

431  
00:18:40,369 --> 00:18:43,459  
I'm sorry I'm concerned you're at the

432  
00:18:41,960 --> 00:18:46,279  
right place at the right time so I am

433  
00:18:43,460 --> 00:18:47,870  
and it's it's been such a pleasure to

434  
00:18:46,279 --> 00:18:49,759  
chat with you and Richard has been a

435  
00:18:47,869 --> 00:18:51,379  
pleasure to chat with you as well and I

436  
00:18:49,759 --> 00:18:53,900  
feel honored to actually be able to meet

437  
00:18:51,380 --> 00:18:56,210  
with you thank you that's me and get to

438  
00:18:53,900 --> 00:18:57,350  
know you personally and all the best for

439  
00:18:56,210 --> 00:18:59,120  
the rest of your trip in fact what I'll

440  
00:18:57,349 --> 00:19:01,219  
do is I'll just reach into my backpack

441  
00:18:59,119 --> 00:19:03,979  
and I'll present you with the latest

442  
00:19:01,220 --> 00:19:07,900

issue of our magazine if I can Oh

443

00:19:03,980 --> 00:19:07,900  
excellent it's stuck

444

00:19:08,579 --> 00:19:12,789  
it's the latest issue of our magazine

445

00:19:10,930 --> 00:19:14,470  
the skeptic to the Australian skeptics

446

00:19:12,789 --> 00:19:16,029  
so thank you very much be some

447

00:19:14,470 --> 00:19:18,670  
interesting reading for you on the plane

448

00:19:16,029 --> 00:19:22,480  
or I'll definitely be reading with us on

449

00:19:18,670 --> 00:19:25,240  
the plane in fact I am also a subscriber

450

00:19:22,480 --> 00:19:27,670  
to the very skeptic magazines within the

451

00:19:25,240 --> 00:19:30,160  
United States both the skeptic as well

452

00:19:27,670 --> 00:19:32,590  
as The Skeptical Inquirer Ryan on the

453

00:19:30,160 --> 00:19:34,690  
plane trip here I happen to have read

454

00:19:32,589 --> 00:19:36,579  
all the articles and so this will

455

00:19:34,690 --> 00:19:38,049  
definitely help for the trip on the way

456

00:19:36,579 --> 00:19:39,730  
home that will tide you I will Jim

457  
00:19:38,049 --> 00:19:55,869  
Bailey a great pleasure thank you very

458  
00:19:39,730 --> 00:19:57,880  
much Richard hello I'm Tony Pittman the

459  
00:19:55,869 --> 00:20:01,089  
presenter of the weekly radio show and

460  
00:19:57,880 --> 00:20:03,850  
podcast reality check broadcast from

461  
00:20:01,089 --> 00:20:05,829  
here in melbourne australia and if you

462  
00:20:03,849 --> 00:20:07,689  
like listening to the skeptic zone maybe

463  
00:20:05,829 --> 00:20:11,259  
you'd like to check out reality check

464  
00:20:07,690 --> 00:20:14,710  
each week we bring you a roundup of LGBT

465  
00:20:11,259 --> 00:20:18,250  
news that's news related to lesbian gay

466  
00:20:14,710 --> 00:20:21,970  
bisexual and transgender issues plus a

467  
00:20:18,250 --> 00:20:24,009  
movie review plus a serious skeptical

468  
00:20:21,970 --> 00:20:28,120  
analysis of a topic related to

469  
00:20:24,009 --> 00:20:29,500  
pseudoscience or the paranormal so if it

470  
00:20:28,119 --> 00:20:33,189  
sounds like it could be right up your

471  
00:20:29,500 --> 00:20:36,880  
alley visit our website at reality check

472  
00:20:33,190 --> 00:20:39,910  
online dot net there you can listen

473  
00:20:36,880 --> 00:20:45,780  
online download episodes or subscribe

474  
00:20:39,910 --> 00:20:45,779  
that's reality check online dot net

475  
00:20:52,849 --> 00:20:56,879  
be wanting a COBOL Jack's on the phone

476  
00:20:55,650 --> 00:20:59,610  
jack wants to sing the praises of

477  
00:20:56,880 --> 00:21:01,320  
magnetic products hello jack hello can I

478  
00:20:59,609 --> 00:21:03,269  
go for how are you very good things

479  
00:21:01,319 --> 00:21:06,659  
thanks for the call yeah thank you

480  
00:21:03,269 --> 00:21:09,529  
thanks sake of the call look um I've not

481  
00:21:06,660 --> 00:21:12,210  
had many products for over 30 years and

482  
00:21:09,529 --> 00:21:14,819  
I've done a little reading on it and I

483  
00:21:12,210 --> 00:21:18,180  
can personally testify myself I had a

484  
00:21:14,819 --> 00:21:19,980  
very bad knee and I didn't know whether

485

00:21:18,180 --> 00:21:22,380  
this magnetic strip was going to work so

486  
00:21:19,980 --> 00:21:24,150  
it's not like I was sort of convincing

487  
00:21:22,380 --> 00:21:27,840  
myself mind over matter that will work

488  
00:21:24,150 --> 00:21:30,630  
and i put on my knee i reckon it took

489  
00:21:27,839 --> 00:21:33,539  
about a week and at my pain completely

490  
00:21:30,630 --> 00:21:36,390  
went i didn't take any any other tablets

491  
00:21:33,539 --> 00:21:38,069  
medication i did a lot of reading on

492  
00:21:36,390 --> 00:21:41,270  
that any products and for multi

493  
00:21:38,069 --> 00:21:43,859  
understand the simple concept of it is

494  
00:21:41,269 --> 00:21:48,389  
your blood has negative and positive

495  
00:21:43,859 --> 00:21:51,089  
ions i ons and when you apply a magnet

496  
00:21:48,390 --> 00:21:53,580  
to that it attracts those negatives and

497  
00:21:51,089 --> 00:21:55,769  
positive positive ions and it increases

498  
00:21:53,579 --> 00:21:57,389  
your circulation you've been reading

499  
00:21:55,769 --> 00:21:59,700

their website haven't you jack because

500

00:21:57,390 --> 00:22:02,820

that's the best of of nothing and

501

00:21:59,700 --> 00:22:05,670

basically everyone knows that when you

502

00:22:02,819 --> 00:22:08,429

have an increased circulation be through

503

00:22:05,670 --> 00:22:11,070

exercise or whatever when you increase

504

00:22:08,430 --> 00:22:13,019

your circulation that's what does the

505

00:22:11,069 --> 00:22:15,720

fixing up jack what do you mean by

506

00:22:13,019 --> 00:22:18,269

increase your circulation but well you

507

00:22:15,720 --> 00:22:19,829

just like when you exercise your

508

00:22:18,269 --> 00:22:22,379

circulation your blood circulation

509

00:22:19,829 --> 00:22:24,509

increases because your body I not matter

510

00:22:22,380 --> 00:22:26,730

you've lost me a blood moons varsity

511

00:22:24,509 --> 00:22:29,849

letters faster your blood moves faster

512

00:22:26,730 --> 00:22:32,610

it's like they're your blood just like

513

00:22:29,849 --> 00:22:34,829

circles your system is like if you don't

514  
00:22:32,609 --> 00:22:36,539  
exercise it becomes like stag stagnate

515  
00:22:34,829 --> 00:22:38,189  
water but Jack what's this got to do

516  
00:22:36,539 --> 00:22:40,289  
with pain relief you've sort of gone off

517  
00:22:38,190 --> 00:22:42,299  
track a little bit here well with pain

518  
00:22:40,289 --> 00:22:45,299  
relief if you increase the circulation

519  
00:22:42,299 --> 00:22:46,980  
in your body right pain relief just

520  
00:22:45,299 --> 00:22:49,019  
like for instance with joint serving is

521  
00:22:46,980 --> 00:22:51,990  
usually caused through inflammation

522  
00:22:49,019 --> 00:22:54,569  
that's right if you get information a

523  
00:22:51,990 --> 00:22:56,849  
certain part of the body the signs it

524  
00:22:54,569 --> 00:22:58,289  
gives you is pain yes but Jack do you

525  
00:22:56,849 --> 00:22:59,189  
understand how the inflammation process

526  
00:22:58,289 --> 00:23:01,319  
works you

527  
00:22:59,190 --> 00:23:04,740  
can't flush it away if you increase your

528  
00:23:01,319 --> 00:23:06,750  
blood flow because specific types of

529  
00:23:04,740 --> 00:23:08,849  
cells are actually recruited to the site

530  
00:23:06,750 --> 00:23:10,799  
of inflammation as long as that

531  
00:23:08,849 --> 00:23:12,719  
inflammation remains and you can't kind

532  
00:23:10,799 --> 00:23:14,339  
of wash that out like you would go wash

533  
00:23:12,720 --> 00:23:16,710  
dishes or something it doesn't work like

534  
00:23:14,339 --> 00:23:19,679  
that right okay but but have you heard

535  
00:23:16,710 --> 00:23:22,410  
of reflexology yes yes it doesn't work

536  
00:23:19,680 --> 00:23:25,620  
either doesn't work hang on i'm a

537  
00:23:22,410 --> 00:23:27,300  
qualifier reflexologist front oh okay

538  
00:23:25,619 --> 00:23:29,279  
Jack you're just the man we're looking

539  
00:23:27,299 --> 00:23:31,859  
for you can apply for the Australian

540  
00:23:29,279 --> 00:23:34,139  
skeptics \$100,000 challenge if you can

541  
00:23:31,859 --> 00:23:36,629  
prove that reflexology work well I can

542

00:23:34,140 --> 00:23:42,180  
prove it was my wife's did I married my

543  
00:23:36,630 --> 00:23:43,800  
wife through reflexology what halogen is

544  
00:23:42,180 --> 00:23:45,690  
they dribble that doesn't prove it work

545  
00:23:43,799 --> 00:23:47,220  
did you read my face or something Joe

546  
00:23:45,690 --> 00:23:49,980  
how did you do that that's what happened

547  
00:23:47,220 --> 00:23:52,710  
a bit about 12 years ago we were all

548  
00:23:49,980 --> 00:23:55,500  
going to go out one night and I was with

549  
00:23:52,710 --> 00:23:57,390  
those four of us and she was she was

550  
00:23:55,500 --> 00:24:00,089  
there with a girlfriend and when we

551  
00:23:57,390 --> 00:24:01,800  
turned up to pick everyone up she was

552  
00:24:00,089 --> 00:24:05,429  
that she had a she had shock it's

553  
00:24:01,799 --> 00:24:06,869  
shocking scientists right and and one of

554  
00:24:05,430 --> 00:24:09,150  
the best results that i get with

555  
00:24:06,869 --> 00:24:11,609  
reflexology with sinus problems right

556  
00:24:09,150 --> 00:24:14,100

and she it was that bad she wasn't going

557

00:24:11,609 --> 00:24:16,319

to go out and i said look this and this

558

00:24:14,099 --> 00:24:18,869

might sound a bit weird but i can do

559

00:24:16,319 --> 00:24:20,849

some points around your your toes all

560

00:24:18,869 --> 00:24:23,549

right your sinus points are in your toes

561

00:24:20,849 --> 00:24:25,289

and i'll be just about guarantee you you

562

00:24:23,549 --> 00:24:26,700

will definitely get relief Jack why

563

00:24:25,289 --> 00:24:28,379

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

564

00:24:26,700 --> 00:24:30,269

increase our circulation that would have

565

00:24:28,380 --> 00:24:32,700

worked i right that's what you've just

566

00:24:30,269 --> 00:24:35,970

told us no no because with reflexology

567

00:24:32,700 --> 00:24:39,150

it works on your endings right in those

568

00:24:35,970 --> 00:24:41,640

nerve endings over the years they they

569

00:24:39,150 --> 00:24:43,950

get deposits of crystallization of

570

00:24:41,640 --> 00:24:47,460

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

571  
00:24:43,950 --> 00:24:50,160  
not you're wrong right okay listen

572  
00:24:47,460 --> 00:24:52,110  
listen time out both sides on I'm gonna

573  
00:24:50,160 --> 00:24:53,970  
step in here is your judicata interject

574  
00:24:52,109 --> 00:24:55,259  
I can prove achieve okay jack that's

575  
00:24:53,970 --> 00:24:58,350  
exactly what I want you to do because

576  
00:24:55,259 --> 00:25:00,660  
these guys have a standing one hundred

577  
00:24:58,349 --> 00:25:02,849  
thousand dollar bounty on anybody that

578  
00:25:00,660 --> 00:25:05,070  
can prove things that they reckon don't

579  
00:25:02,849 --> 00:25:08,039  
work really work now you're saying that

580  
00:25:05,069 --> 00:25:10,139  
you can prove refix reflux reflexology

581  
00:25:08,039 --> 00:25:11,529  
actually works the Australian skeptics

582  
00:25:10,140 --> 00:25:12,970  
have a one-hundred-thousand-dollar

583  
00:25:11,529 --> 00:25:15,220  
eyes to anybody who can demonstrate

584  
00:25:12,970 --> 00:25:17,259  
paranormal or supernatural powers under

585  
00:25:15,220 --> 00:25:19,839  
mutually agreed test conditions okay

586  
00:25:17,259 --> 00:25:21,279  
yeah here's your opportunity Jack I want

587  
00:25:19,839 --> 00:25:23,199  
to see you take the money jack i'm on

588  
00:25:21,279 --> 00:25:24,940  
your side right i want to see you take

589  
00:25:23,200 --> 00:25:30,069  
the money so i want you to go to their

590  
00:25:24,940 --> 00:25:32,769  
website skeptics ske pti cs.com do you

591  
00:25:30,069 --> 00:25:34,329  
write and check out their website you'll

592  
00:25:32,769 --> 00:25:36,369  
find this this one hundred thousand

593  
00:25:34,329 --> 00:25:38,559  
dollar prize offer on there get in touch

594  
00:25:36,369 --> 00:25:40,000  
with the skeptics tell Richard get sent

595  
00:25:38,559 --> 00:25:41,169  
him an email and time that you want to

596  
00:25:40,000 --> 00:25:42,220  
find out all about it because you want

597  
00:25:41,170 --> 00:25:44,769  
to be a hundred thousand dollars richer

598  
00:25:42,220 --> 00:25:45,970  
and Jack I just say good luck to you

599

00:25:44,769 --> 00:25:47,920  
because if you believe in what you're

600  
00:25:45,970 --> 00:25:49,440  
talking about with reflexology and you

601  
00:25:47,920 --> 00:25:52,210  
reckon you can prove that it works

602  
00:25:49,440 --> 00:25:53,890  
nobody's your manager take it take it up

603  
00:25:52,210 --> 00:25:56,590  
for sure that guaranteed you could get

604  
00:25:53,890 --> 00:25:59,890  
10 people 15 people that's got problems

605  
00:25:56,589 --> 00:26:01,509  
a problem knee problems j- Jack go to

606  
00:25:59,890 --> 00:26:03,009  
the website and let us know how you go

607  
00:26:01,509 --> 00:26:04,690  
all right thank you come on your boat

608  
00:26:03,009 --> 00:26:05,680  
there we go you're good could be a

609  
00:26:04,690 --> 00:26:07,480  
hundred thousand dollars better off

610  
00:26:05,680 --> 00:26:09,039  
absolutely there again he might not be

611  
00:26:07,480 --> 00:26:11,430  
as well ten minutes to eleven got a

612  
00:26:09,039 --> 00:26:11,430  
quick break

613  
00:26:16,799 --> 00:26:21,609

want to know how to live skeptically and

614

00:26:18,910 --> 00:26:23,860

still have friends well so do i join me

615

00:26:21,609 --> 00:26:25,479

for actually speaking a new podcast that

616

00:26:23,859 --> 00:26:27,819

explores the human side of skepticism

617

00:26:25,480 --> 00:26:29,650

will set the science side and discuss

618

00:26:27,819 --> 00:26:32,109

familiar skeptical topics from an inner

619

00:26:29,650 --> 00:26:33,519

personal perspective along the way will

620

00:26:32,109 --> 00:26:35,169

highlight specific social and

621

00:26:33,519 --> 00:26:37,569

communication skills need it to promote

622

00:26:35,170 --> 00:26:39,490

critical thinking scientific facts are

623

00:26:37,569 --> 00:26:40,869

only part of the equation what's take an

624

00:26:39,490 --> 00:26:43,000

extra step and learn how to share that

625

00:26:40,869 --> 00:26:45,219

knowledge effectively actually speaking

626

00:26:43,000 --> 00:26:47,500

a podcast that explores a human side of

627

00:26:45,220 --> 00:26:48,970

skepticism critical thinking and the

628  
00:26:47,500 --> 00:26:51,250  
skills we need to make it through the

629  
00:26:48,970 --> 00:26:58,299  
day visit actually speaking calm to

630  
00:26:51,250 --> 00:27:04,480  
learn more now it's time for dr. Rachel

631  
00:26:58,299 --> 00:27:06,099  
reports with dr. Rachel Dunlop hello

632  
00:27:04,480 --> 00:27:08,829  
listeners and welcome to dr. Richie

633  
00:27:06,099 --> 00:27:11,199  
reports well this week I'm reporting on

634  
00:27:08,829 --> 00:27:14,279  
a win for science skepticism and common

635  
00:27:11,200 --> 00:27:16,870  
sense in the House of Commons in the UK

636  
00:27:14,279 --> 00:27:18,759  
now a few weeks back on the think tank

637  
00:27:16,869 --> 00:27:22,089  
we were discussing the story of David

638  
00:27:18,759 --> 00:27:23,799  
try dainik who is a UK MP who spent

639  
00:27:22,089 --> 00:27:25,928  
approximately seven or eight hundred

640  
00:27:23,799 --> 00:27:28,990  
quid of taxpayers money on astrology

641  
00:27:25,929 --> 00:27:30,730  
software now it turns out that David

642  
00:27:28,990 --> 00:27:33,250  
rodenic believes in all kinds of woo

643  
00:27:30,730 --> 00:27:36,039  
including herbal medicine products

644  
00:27:33,250 --> 00:27:38,079  
complementary medicine food supplements

645  
00:27:36,039 --> 00:27:41,950  
dietary supplements and now it seems

646  
00:27:38,079 --> 00:27:43,599  
homeopathy in fact he loves homey up

647  
00:27:41,950 --> 00:27:46,960  
with you so much that yesterday he

648  
00:27:43,599 --> 00:27:49,629  
submitted three early day motions also

649  
00:27:46,960 --> 00:27:51,970  
called edms to the House of Commons for

650  
00:27:49,630 --> 00:27:54,940  
consideration now for those non UK

651  
00:27:51,970 --> 00:27:56,589  
listeners idioms are basically motions

652  
00:27:54,940 --> 00:27:59,590  
that are tabled by members of parliament

653  
00:27:56,589 --> 00:28:02,439  
for debate on an early day or a nun

654  
00:27:59,589 --> 00:28:04,629  
specific date in the future so idioms

655  
00:28:02,440 --> 00:28:06,640  
can cover all manner of subjects that

656

00:28:04,630 --> 00:28:09,790  
the MP thinks Parliament should be made

657  
00:28:06,640 --> 00:28:12,070  
aware of and possibly debate so

658  
00:28:09,789 --> 00:28:14,440  
sometimes they address serious matters

659  
00:28:12,069 --> 00:28:16,480  
such as climate change or they can

660  
00:28:14,440 --> 00:28:19,570  
address trivial events such as the

661  
00:28:16,480 --> 00:28:24,220  
pigeon bombs EDM which was tabled in the

662  
00:28:19,569 --> 00:28:26,409  
2003 2004 session of UK Parliament now

663  
00:28:24,220 --> 00:28:27,589  
this EDM was concerned with a disclosure

664  
00:28:26,410 --> 00:28:30,169  
by mi5

665  
00:28:27,589 --> 00:28:33,250  
I've that it had proposed using pigeons

666  
00:28:30,169 --> 00:28:36,169  
as flying bombs during World War two and

667  
00:28:33,250 --> 00:28:38,690  
according to Wikipedia the motion

668  
00:28:36,169 --> 00:28:42,278  
condemned the proposal describing humans

669  
00:28:38,690 --> 00:28:45,679  
as quote obscene perverted cruel

670  
00:28:42,278 --> 00:28:47,990

uncivilized and lethal and proposed that

671

00:28:45,679 --> 00:28:50,298

the house quote looks forward to the day

672

00:28:47,990 --> 00:28:52,909

when the inevitable asteroid slams into

673

00:28:50,298 --> 00:28:54,970

the earth and wipes them out thus giving

674

00:28:52,909 --> 00:28:57,890

nature the opportunity to start again

675

00:28:54,970 --> 00:29:02,509

now this is Wikipedia but I really hope

676

00:28:57,890 --> 00:29:04,549

that that's accurate so ATMs remain open

677

00:29:02,509 --> 00:29:06,648

for signatures for the duration of a

678

00:29:04,548 --> 00:29:10,250

parliamentary session but are rarely

679

00:29:06,648 --> 00:29:12,918

ever signed by all MPs and few make it

680

00:29:10,250 --> 00:29:15,558

to the floor for debate so let's go back

681

00:29:12,919 --> 00:29:17,000

to David enok while he apparently

682

00:29:15,558 --> 00:29:19,220

decided he had found some new

683

00:29:17,000 --> 00:29:21,470

information about homeopathy which he

684

00:29:19,220 --> 00:29:24,220

wanted to share with the house so he

685  
00:29:21,470 --> 00:29:28,339  
tabled three atms concerning homeopathy

686  
00:29:24,220 --> 00:29:29,990  
the first one was EDM 285 and claimed

687  
00:29:28,339 --> 00:29:33,859  
that homeopathy was an effective

688  
00:29:29,990 --> 00:29:35,990  
treatment for breast cancer EDM 286

689  
00:29:33,859 --> 00:29:39,259  
concerned homeopathy as a treatment for

690  
00:29:35,990 --> 00:29:42,679  
depression and EDM 287 concerned

691  
00:29:39,259 --> 00:29:44,629  
insomnia try genic also objected to the

692  
00:29:42,679 --> 00:29:46,580  
British Medical Association's recent

693  
00:29:44,630 --> 00:29:48,950  
public statements were they called for

694  
00:29:46,579 --> 00:29:51,528  
no further commissioning of nor funding

695  
00:29:48,950 --> 00:29:54,200  
for homeopathic remedies on the National

696  
00:29:51,528 --> 00:29:55,640  
Health Service this was famously

697  
00:29:54,200 --> 00:29:57,409  
reported as the British Medical

698  
00:29:55,640 --> 00:30:00,559  
Association calling homeopathy

699  
00:29:57,409 --> 00:30:03,049  
witchcraft so in support of his evidence

700  
00:30:00,558 --> 00:30:04,940  
tradin excited three published

701  
00:30:03,048 --> 00:30:08,389  
peer-reviewed studies as evidence for

702  
00:30:04,940 --> 00:30:10,610  
his claims now one of these I've talked

703  
00:30:08,390 --> 00:30:12,830  
about on the show before but I happen to

704  
00:30:10,609 --> 00:30:14,298  
know it very well since I spent the

705  
00:30:12,829 --> 00:30:17,240  
better part of a Saturday back in

706  
00:30:14,298 --> 00:30:19,190  
February debunking the entire paper the

707  
00:30:17,240 --> 00:30:21,109  
reason I did this was because Richard

708  
00:30:19,190 --> 00:30:23,720  
Saunders had received an email alert

709  
00:30:21,109 --> 00:30:26,269  
from homeopathy plus with the headline

710  
00:30:23,720 --> 00:30:28,069  
screaming homeopathy as good as

711  
00:30:26,269 --> 00:30:30,558  
chemotherapy for breast cancer and

712  
00:30:28,069 --> 00:30:32,960  
non-toxic which is a pretty

713

00:30:30,558 --> 00:30:35,690  
extraordinary claim for special magic

714  
00:30:32,960 --> 00:30:37,490  
water and also likely to be complete

715  
00:30:35,690 --> 00:30:40,519  
bollocks well I won't keep you in

716  
00:30:37,490 --> 00:30:41,569  
suspense it is complete bollocks so let

717  
00:30:40,519 --> 00:30:43,490  
me read to you the

718  
00:30:41,569 --> 00:30:47,450  
EDM submitted by David rodenic in

719  
00:30:43,490 --> 00:30:49,250  
response to this paper quote that this

720  
00:30:47,450 --> 00:30:51,049  
house welcomes the study published in

721  
00:30:49,250 --> 00:30:53,839  
the international journal of oncology

722  
00:30:51,049 --> 00:30:55,669  
2010 februari which revealed that

723  
00:30:53,839 --> 00:30:58,459  
homeopathic remedies have a beneficial

724  
00:30:55,670 --> 00:31:00,350  
effect on breast cancer cells notes that

725  
00:30:58,460 --> 00:31:02,630  
researchers at the University of Texas

726  
00:31:00,349 --> 00:31:04,879  
conducted an in vitro study to determine

727  
00:31:02,630 --> 00:31:07,100

whether products prescribed by a clinic

728

00:31:04,880 --> 00:31:10,280

in India have any effect on breast

729

00:31:07,099 --> 00:31:12,529

cancer cell lines further notes that the

730

00:31:10,279 --> 00:31:15,319

researchers studied for ultra diluted

731

00:31:12,529 --> 00:31:17,420

remedies believes that the findings

732

00:31:15,319 --> 00:31:19,460

demonstrate biological activity of these

733

00:31:17,420 --> 00:31:22,009

natural products when present at ultra

734

00:31:19,460 --> 00:31:25,370

diluted doses and calls for further

735

00:31:22,009 --> 00:31:27,319

research in this important area while I

736

00:31:25,369 --> 00:31:29,389

guess Trudy neck like homeopathy plus

737

00:31:27,319 --> 00:31:31,039

either didn't read the entire paper or

738

00:31:29,390 --> 00:31:33,050

didn't understand how to interpret the

739

00:31:31,039 --> 00:31:36,559

scientific literature because this ain't

740

00:31:33,049 --> 00:31:39,019

what I gleaned from this paper once dr.

741

00:31:36,559 --> 00:31:41,059

Evan Harris had my blog and others to

742  
00:31:39,019 --> 00:31:44,210  
banking this paper in his sticky fingers

743  
00:31:41,059 --> 00:31:46,940  
dr. Julian Huppert got straight on to

744  
00:31:44,210 --> 00:31:50,180  
composing a rebuttal and it is a joy to

745  
00:31:46,940 --> 00:31:52,100  
read but before I reveal it to you let's

746  
00:31:50,180 --> 00:31:53,900  
hear a little of a debate between dr.

747  
00:31:52,099 --> 00:31:57,049  
Simon Singh and David tried enik on

748  
00:31:53,900 --> 00:31:59,900  
radio this is from at Costa on

749  
00:31:57,049 --> 00:32:02,389  
soundcloud and has what he calls a BS

750  
00:31:59,900 --> 00:32:05,019  
buzzer added to emphasize went regenexx

751  
00:32:02,390 --> 00:32:07,880  
says something wrong or stupid

752  
00:32:05,019 --> 00:32:10,309  
homeopathic remedies will not work and

753  
00:32:07,880 --> 00:32:11,900  
should not be funded by the NHS that was

754  
00:32:10,309 --> 00:32:13,309  
the conclusion of a parliamentary select

755  
00:32:11,900 --> 00:32:15,200  
committee recently but it's being

756  
00:32:13,309 --> 00:32:17,329  
challenged in the House of Commons by

757  
00:32:15,200 --> 00:32:19,610  
the Conservative MP David Trudy Nick who

758  
00:32:17,329 --> 00:32:21,649  
has called for a debate on the possible

759  
00:32:19,609 --> 00:32:24,019  
benefits of homeopathy what has he

760  
00:32:21,650 --> 00:32:25,700  
discovered while he's on the line as and

761  
00:32:24,019 --> 00:32:27,940  
with me as the office I missing who's

762  
00:32:25,700 --> 00:32:30,289  
been been critical of the whole

763  
00:32:27,940 --> 00:32:32,480  
homeopathic industry as us the right

764  
00:32:30,289 --> 00:32:35,089  
word and what's your evidence that it

765  
00:32:32,480 --> 00:32:37,490  
might work David to dainik good morning

766  
00:32:35,089 --> 00:32:39,470  
John what I've highlighted three news

767  
00:32:37,490 --> 00:32:41,000  
studies one from the University of Texas

768  
00:32:39,470 --> 00:32:45,140  
that shows that homeopathy is effect

769  
00:32:41,000 --> 00:32:47,539  
effective for cancer patients Brazil

770

00:32:45,140 --> 00:32:49,190  
which shows that it helps with moderate

771  
00:32:47,539 --> 00:32:51,440  
to severe depression

772  
00:32:49,190 --> 00:32:54,049  
durban university of technology that

773  
00:32:51,440 --> 00:32:57,529  
shows that it's effective in treating

774  
00:32:54,049 --> 00:33:00,589  
primary insomnia double-blind

775  
00:32:57,529 --> 00:33:03,230  
placebo-controlled trials I think that

776  
00:33:00,589 --> 00:33:04,879  
Simon Singh would call for Simon Singh

777  
00:33:03,230 --> 00:33:07,610  
you've called that exactly that sort of

778  
00:33:04,880 --> 00:33:08,990  
testing oh yes I had a very very quick

779  
00:33:07,609 --> 00:33:12,740  
look at some of these studies last night

780  
00:33:08,990 --> 00:33:15,140  
and the the one of them for example has

781  
00:33:12,740 --> 00:33:17,529  
no statistics in the paper that there's

782  
00:33:15,140 --> 00:33:20,030  
nothing there to show that the result is

783  
00:33:17,529 --> 00:33:22,099  
serious which was that and that was the

784  
00:33:20,029 --> 00:33:25,069

first 11 men from Texas University and

785

00:33:22,099 --> 00:33:26,869

secondly the paper the control which is

786

00:33:25,069 --> 00:33:28,819

supposed to be ineffective seems to have

787

00:33:26,869 --> 00:33:30,619

some effects so the research has seemed

788

00:33:28,819 --> 00:33:32,000

to have a control which is not adequate

789

00:33:30,619 --> 00:33:34,069

or don't know what you mean brother oh

790

00:33:32,000 --> 00:33:35,630

so so an inert substance so you're

791

00:33:34,069 --> 00:33:36,710

comparing within an earth sciences

792

00:33:35,630 --> 00:33:38,270

homeopathy they are better than the

793

00:33:36,710 --> 00:33:41,299

inert substance you might be a bow

794

00:33:38,269 --> 00:33:44,089

and although exactly so so so I don't

795

00:33:41,299 --> 00:33:45,409

think these are very good studies even

796

00:33:44,089 --> 00:33:47,480

then what you have to do is look in it

797

00:33:45,410 --> 00:33:49,700

in the rag there been over 200 clinical

798

00:33:47,480 --> 00:33:52,400

trials and over all the weight of

799  
00:33:49,700 --> 00:33:54,259  
evidence shows after 200 years after 200

800  
00:33:52,400 --> 00:33:56,570  
clinical trials the homeopathy is

801  
00:33:54,259 --> 00:33:58,700  
ineffective I I would change my mind in

802  
00:33:56,569 --> 00:34:00,200  
an instant if the evidence was there but

803  
00:33:58,700 --> 00:34:01,940  
the evidence is event and this is really

804  
00:34:00,200 --> 00:34:05,180  
this becomes slightly dangerous when

805  
00:34:01,940 --> 00:34:06,470  
when when when mr. trilling raises his

806  
00:34:05,180 --> 00:34:08,450  
issues because at the moment in

807  
00:34:06,470 --> 00:34:11,059  
Australia there's a coroner's inquest

808  
00:34:08,449 --> 00:34:13,269  
into a woman who had cancer and who went

809  
00:34:11,059 --> 00:34:15,320  
down a homeopathic route entirely at

810  
00:34:13,269 --> 00:34:17,780  
what was a completely treatable

811  
00:34:15,320 --> 00:34:19,700  
condition and died and i think when we

812  
00:34:17,780 --> 00:34:21,680  
start tempting people toward the idea

813  
00:34:19,699 --> 00:34:23,989  
that homeopathy country cancerous cells

814  
00:34:21,679 --> 00:34:25,460  
and so on where it's a very dangerous

815  
00:34:23,989 --> 00:34:26,929  
road to go down july i think mr.

816  
00:34:25,460 --> 00:34:29,559  
trinnock really should be a bit more

817  
00:34:26,929 --> 00:34:33,169  
responsible when he puts down easy DMS

818  
00:34:29,559 --> 00:34:35,480  
so now let's see what became of EDM 285

819  
00:34:33,170 --> 00:34:40,579  
once the harris and hubert had gone to

820  
00:34:35,480 --> 00:34:45,019  
town on it EDM 285 a1 now reads like

821  
00:34:40,579 --> 00:34:48,049  
this line to leave out from 403 to end

822  
00:34:45,019 --> 00:34:50,000  
and insert as an example of the failure

823  
00:34:48,050 --> 00:34:51,890  
of adequate scientific peer review

824  
00:34:50,000 --> 00:34:53,900  
because the paper provides no

825  
00:34:51,889 --> 00:34:56,089  
statistical analysis to support any

826  
00:34:53,900 --> 00:34:58,490  
conclusion indicates that the

827

00:34:56,090 --> 00:35:00,800  
experimental control eighty-seven

828  
00:34:58,489 --> 00:35:02,899  
percent alcohol solution was itself

829  
00:35:00,800 --> 00:35:05,000  
toxic to the cell cultures

830  
00:35:02,900 --> 00:35:06,889  
did not illustrate or explain the

831  
00:35:05,000 --> 00:35:08,838  
different chromatographic profiles of

832  
00:35:06,889 --> 00:35:11,449  
the solvent and the test substances and

833  
00:35:08,838 --> 00:35:14,349  
does not provide sufficient data to

834  
00:35:11,449 --> 00:35:17,028  
allow proper evaluation of the study

835  
00:35:14,349 --> 00:35:19,910  
notes that the lead author has retired

836  
00:35:17,028 --> 00:35:22,159  
and runs a homeopathy website which

837  
00:35:19,909 --> 00:35:23,739  
falsely claims that homeopathy is as

838  
00:35:22,159 --> 00:35:27,348  
effective as a conventional chemotherapy

839  
00:35:23,739 --> 00:35:29,298  
agent in treating breast cancer further

840  
00:35:27,349 --> 00:35:31,778  
notes that one of the authors Allison

841  
00:35:29,298 --> 00:35:34,369

Paulus has publicly disowned the paper

842

00:35:31,778 --> 00:35:36,349

regrets that isolated poor quality

843

00:35:34,369 --> 00:35:38,420

studies are cited by proponents of

844

00:35:36,349 --> 00:35:41,480

homeopathy to endorse dangerous and

845

00:35:38,420 --> 00:35:43,369

exploitative cancer curing claims in the

846

00:35:41,480 --> 00:35:46,150

face of overwhelming weight of

847

00:35:43,369 --> 00:35:48,230

scientific evidence against them and

848

00:35:46,150 --> 00:35:49,700

agrees with the conclusions of the

849

00:35:48,230 --> 00:35:51,440

Science and Technology Select

850

00:35:49,699 --> 00:35:54,199

Committee's fourth report session

851

00:35:51,440 --> 00:35:55,700

evidence check homeopathy that puts

852

00:35:54,199 --> 00:35:57,889

patients through pointless further

853

00:35:55,699 --> 00:36:00,019

clinical trials and the spending of

854

00:35:57,889 --> 00:36:06,588

scarce public sector funds on homeopathy

855

00:36:00,019 --> 00:36:08,900

research cannot be justified Wow so the

856  
00:36:06,588 --> 00:36:10,639  
comment about Allison Paulus listed as

857  
00:36:08,900 --> 00:36:12,980  
an author on the study publicly

858  
00:36:10,639 --> 00:36:14,989  
disowning this paper is derived from a

859  
00:36:12,980 --> 00:36:17,869  
comment she left on my blog where she

860  
00:36:14,989 --> 00:36:20,118  
stated that quote as an unintended

861  
00:36:17,869 --> 00:36:23,990  
co-author on this study I feel obligated

862  
00:36:20,119 --> 00:36:27,019  
to respond Allison went on to say quote

863  
00:36:23,989 --> 00:36:29,568  
I asked not to be included because I did

864  
00:36:27,019 --> 00:36:32,269  
not think it was a sound study and I

865  
00:36:29,568 --> 00:36:34,699  
believe this study demonstrated changes

866  
00:36:32,269 --> 00:36:36,230  
in alcohol percentages on cells rather

867  
00:36:34,699 --> 00:36:40,699  
than the efficacy of homeopathic

868  
00:36:36,230 --> 00:36:42,949  
medicine so the amendments to the edms

869  
00:36:40,699 --> 00:36:45,108  
constitute a marvelous result and a

870  
00:36:42,949 --> 00:36:48,469  
testament to the dedication of dr. Evan

871  
00:36:45,108 --> 00:36:50,358  
Harris and dr. Julian Huppert the fact

872  
00:36:48,469 --> 00:36:51,828  
that this message got out so quickly is

873  
00:36:50,358 --> 00:36:54,739  
also a credit to the power of the

874  
00:36:51,829 --> 00:36:56,480  
blogosphere and the Twittersverse and in

875  
00:36:54,739 --> 00:36:57,858  
fact this was how I originally got my

876  
00:36:56,480 --> 00:37:00,469  
hands on the full text of this article

877  
00:36:57,858 --> 00:37:03,500  
by tweeting for someone to source it for

878  
00:37:00,469 --> 00:37:06,439  
me and thank you to our xtal Dave or

879  
00:37:03,500 --> 00:37:08,358  
crystal Dave but unfortunately David

880  
00:37:06,440 --> 00:37:09,858  
Trudeau nick is not the only one who has

881  
00:37:08,358 --> 00:37:12,469  
jumped to conclusions about the findings

882  
00:37:09,858 --> 00:37:14,509  
of this paper I already mentioned

883  
00:37:12,469 --> 00:37:16,759  
homeopathy plus making a giant leap in

884

00:37:14,510 --> 00:37:18,830  
logic from cells being treated in Cole

885  
00:37:16,760 --> 00:37:22,190  
to homeopathy is better than

886  
00:37:18,829 --> 00:37:23,809  
chemotherapy for cancer so many others

887  
00:37:22,190 --> 00:37:25,909  
have picked up this meme and run with it

888  
00:37:23,809 --> 00:37:28,789  
despite the fact that not even the paper

889  
00:37:25,909 --> 00:37:30,889  
itself makes this claim the only

890  
00:37:28,789 --> 00:37:32,869  
reference to a common cancer drug

891  
00:37:30,889 --> 00:37:36,679  
appears buried in the discussion and

892  
00:37:32,869 --> 00:37:37,909  
states quote interestingly the cytotoxic

893  
00:37:36,679 --> 00:37:40,339  
effect of two of the remedies

894  
00:37:37,909 --> 00:37:42,679  
investigated in this study appeared

895  
00:37:40,340 --> 00:37:44,809  
similar to the activity of taxol the

896  
00:37:42,679 --> 00:37:47,059  
most commonly used chemotherapeutic drug

897  
00:37:44,809 --> 00:37:49,579  
for breast cancer when it was tested in

898  
00:37:47,059 --> 00:37:52,219

to carcinoma cell lines investigated in

899

00:37:49,579 --> 00:37:54,679

this study in parallel experiments this

900

00:37:52,219 --> 00:37:58,689

is followed by in brackets data not

901

00:37:54,679 --> 00:38:02,089

shown here that listeners data not shown

902

00:37:58,690 --> 00:38:05,090

so interestingly homeopathy sympathizers

903

00:38:02,090 --> 00:38:07,910

can go from data not shown to homeopathy

904

00:38:05,090 --> 00:38:09,769

can cure cancer but then I guess facts

905

00:38:07,909 --> 00:38:13,009

evidence and science never really did

906

00:38:09,769 --> 00:38:14,539

interest them that much for example it

907

00:38:13,010 --> 00:38:16,490

seems that David Trudeau neck has

908

00:38:14,539 --> 00:38:18,500

already forgotten about the findings of

909

00:38:16,489 --> 00:38:20,599

the House of Commons Science and

910

00:38:18,500 --> 00:38:22,849

Technology Committee in February this

911

00:38:20,599 --> 00:38:25,130

year following the evidence check for

912

00:38:22,849 --> 00:38:27,230

homeopathy where the recommendation was

913  
00:38:25,130 --> 00:38:30,170  
that the National Health Service should

914  
00:38:27,230 --> 00:38:31,699  
cease funding of homeopathy there should

915  
00:38:30,170 --> 00:38:33,920  
be no further clinical trials of

916  
00:38:31,699 --> 00:38:36,439  
homeopathy evidence shows homeopathy

917  
00:38:33,920 --> 00:38:38,150  
doesn't work explanations for why

918  
00:38:36,440 --> 00:38:40,610  
homeopathy works are scientifically

919  
00:38:38,150 --> 00:38:44,480  
implausible and the committee viewed

920  
00:38:40,610 --> 00:38:47,150  
homeopathy as placebo and so I'll end

921  
00:38:44,480 --> 00:38:50,710  
today's report with a tweet by at Paul

922  
00:38:47,150 --> 00:38:53,780  
and UK 2010 reflecting on today's events

923  
00:38:50,710 --> 00:38:55,789  
he said how to get your scientific

924  
00:38:53,780 --> 00:38:58,400  
papers peer reviewed by experts in the

925  
00:38:55,789 --> 00:39:02,599  
field get David training to cite them in

926  
00:38:58,400 --> 00:39:04,700  
an ATM so very true so if you wish to

927  
00:39:02,599 --> 00:39:06,920  
read the full blog post or the full text

928  
00:39:04,699 --> 00:39:10,129  
of the paper please head to my blog at

929  
00:39:06,920 --> 00:39:14,139  
skeptics book calm and until next time

930  
00:39:10,130 --> 00:39:14,140  
this has been dr. mojee reports

931  
00:39:28,539 --> 00:39:34,489  
thank you very much for listening to the

932  
00:39:31,340 --> 00:39:37,430  
skeptic zone now we have one more show

933  
00:39:34,489 --> 00:39:40,309  
to put out before we head off to Las

934  
00:39:37,429 --> 00:39:42,589  
Vegas that's Iran cigar Joe and Ben

935  
00:39:40,309 --> 00:39:45,079  
amoud dr. HC and myself heading off to

936  
00:39:42,590 --> 00:39:46,789  
Las Vegas when we're in Las Vegas don't

937  
00:39:45,079 --> 00:39:49,819  
worry there will be a special skeptic

938  
00:39:46,789 --> 00:39:52,099  
zone going out regardless and when we

939  
00:39:49,820 --> 00:39:54,380  
come back we're going to have weeks of

940  
00:39:52,099 --> 00:39:57,320  
fantastic interviews of all the famous

941

00:39:54,380 --> 00:39:59,750  
skeptics we can bump into so for now

942  
00:39:57,320 --> 00:40:04,730  
this is Richard Saunders signing off

943  
00:39:59,750 --> 00:40:07,010  
from Sydney Australia you've been

944  
00:40:04,730 --> 00:40:11,599  
listening to the skeptic zone visit our

945  
00:40:07,010 --> 00:40:14,030  
website at wwc a petting zoo TV for

946  
00:40:11,599 --> 00:40:16,690  
comments contacts and extra video

947  
00:40:14,030 --> 00:40:16,690  
reports

948  
00:40:17,099 --> 00:40:19,909  
it

949  
00:40:21,409 --> 00:40:24,099  
check

950  
00:40:29,018 --> 00:40:32,018  
this

951  
00:40:35,030 --> 00:40:37,090  
you