

1  
00:00:05,950 --> 00:00:13,679  
welcome to the skeptic zone the podcast

2  
00:00:09,099 --> 00:00:13,679  
from Australia for science and reason

3  
00:00:22,800 --> 00:00:31,929  
hello and welcome to the skeptic zone

4  
00:00:25,778 --> 00:00:34,659  
show number 402 episode 402 part 402

5  
00:00:31,929 --> 00:00:36,579  
well there's 402 of the skeptic zone

6  
00:00:34,659 --> 00:00:40,899  
including this one I think you get the

7  
00:00:36,579 --> 00:00:42,520  
idea for the third of July 2016 Richard

8  
00:00:40,899 --> 00:00:44,789  
Saunders here with you froms in the

9  
00:00:42,520 --> 00:00:48,609  
Australia the country with no leadership

10  
00:00:44,789 --> 00:00:51,729  
hmm as Australians know we had a general

11  
00:00:48,609 --> 00:00:53,950  
election yesterday and what a great day

12  
00:00:51,729 --> 00:00:55,750  
it was because general elections in

13  
00:00:53,950 --> 00:00:58,270  
Australia are a lot of fun especially

14  
00:00:55,750 --> 00:01:01,899  
when you turn up at the polling booth

15  
00:00:58,270 --> 00:01:03,880  
and there's a sausage sizzle yes a great

16  
00:01:01,899 --> 00:01:06,640  
australian tradition on Election Day

17  
00:01:03,880 --> 00:01:09,159  
state or federal when you turn up at the

18  
00:01:06,640 --> 00:01:11,170  
polling booth there usually is a sausage

19  
00:01:09,159 --> 00:01:13,929  
sizzle and I had a pretty damn good

20  
00:01:11,170 --> 00:01:16,590  
sausage with some mustard and some mar

21  
00:01:13,929 --> 00:01:18,969  
chile sauce for three dollars fifty i

22  
00:01:16,590 --> 00:01:21,609  
think they should have more elections in

23  
00:01:18,968 --> 00:01:24,638  
australia just to get the sausage sizzle

24  
00:01:21,608 --> 00:01:27,158  
but the result of the election nobody

25  
00:01:24,638 --> 00:01:28,780  
knows it's up in the air we don't know

26  
00:01:27,159 --> 00:01:31,090  
who's going to be the next prime

27  
00:01:28,780 --> 00:01:33,429  
minister or who will be which party will

28  
00:01:31,090 --> 00:01:35,920  
be the next government it's a bit

29

00:01:33,429 --> 00:01:39,069  
confusing I think we'll find out in a

30  
00:01:35,920 --> 00:01:41,469  
couple of days but no um as the time of

31  
00:01:39,069 --> 00:01:43,359  
this recording we just don't know but

32  
00:01:41,468 --> 00:01:45,548  
let's take a look at what's coming up on

33  
00:01:43,358 --> 00:01:48,458  
this week's show we're going to kick off

34  
00:01:45,549 --> 00:01:50,950  
with our new reporter dr. Cassandra

35  
00:01:48,459 --> 00:01:55,868  
Perryman you're the little pcs done

36  
00:01:50,950 --> 00:01:57,490  
about well what she calls mind woo woo

37  
00:01:55,868 --> 00:01:58,989  
when it comes to health products like

38  
00:01:57,489 --> 00:02:02,798  
homeopathy which will be getting to

39  
00:01:58,989 --> 00:02:04,839  
later on in the show or things like nazy

40  
00:02:02,799 --> 00:02:07,389  
ology applied kinesiology that is we

41  
00:02:04,840 --> 00:02:09,500  
consider to be whoo kyra largely

42  
00:02:07,388 --> 00:02:16,849  
chiropractic

43  
00:02:09,500 --> 00:02:19,039

aroma therapy acupuncture cassandra is

44

00:02:16,849 --> 00:02:26,000

going to be looking at the psychological

45

00:02:19,039 --> 00:02:32,000

whoo mindfulness coloring books life

46

00:02:26,000 --> 00:02:34,580

coaches breathing this sort of thing a

47

00:02:32,000 --> 00:02:36,770

short report to kick off the skeptic

48

00:02:34,580 --> 00:02:39,080

zone with a dr. Cassandra Berryman who's

49

00:02:36,770 --> 00:02:40,790

just getting over a bit of a cold i

50

00:02:39,080 --> 00:02:44,480

think at the moment and we look forward

51

00:02:40,789 --> 00:02:47,179

to more reports from her coming up then

52

00:02:44,479 --> 00:02:49,810

after that a blast from the past there

53

00:02:47,180 --> 00:02:55,629

long ago past the early part of last

54

00:02:49,810 --> 00:02:58,489

century Sherlock Holmes the 1930s 1940s

55

00:02:55,629 --> 00:03:00,560

Basil Rathbone Nigel Bruce Sherlock

56

00:02:58,489 --> 00:03:02,959

Holmes series of movies I'm going to

57

00:03:00,560 --> 00:03:05,810

play a clip from one that demonstrates

58  
00:03:02,959 --> 00:03:07,849  
quite clearly quite clearly Sherlock

59  
00:03:05,810 --> 00:03:10,009  
Holmes was a very good skeptic oh yes

60  
00:03:07,849 --> 00:03:12,829  
despite coming up against various

61  
00:03:10,009 --> 00:03:15,349  
somewhere supernatural bits and pieces

62  
00:03:12,830 --> 00:03:17,540  
it turns out well at least in the movies

63  
00:03:15,349 --> 00:03:20,599  
anyway Sherlock Holmes was a skeptic and

64  
00:03:17,539 --> 00:03:23,120  
I'll play the clip to prove it I think

65  
00:03:20,599 --> 00:03:25,280  
you'll get a kick out of that a kick out

66  
00:03:23,120 --> 00:03:26,750  
of this segment then following that it's

67  
00:03:25,280 --> 00:03:28,459  
a piece by Tim mendham from the

68  
00:03:26,750 --> 00:03:32,689  
Australian skeptics right out by me

69  
00:03:28,459 --> 00:03:35,439  
about our concerns around a chiropractor

70  
00:03:32,689 --> 00:03:38,780  
referring patients to a fake

71  
00:03:35,439 --> 00:03:41,090  
gynecologist hmm and don't forget you

72  
00:03:38,780 --> 00:03:44,120  
can get a wealth of information reports

73  
00:03:41,090 --> 00:03:47,120  
at skeptics comdata you the website of

74  
00:03:44,120 --> 00:03:49,730  
Australian skeptics including including

75  
00:03:47,120 --> 00:03:54,319  
free to download all the back issues of

76  
00:03:49,729 --> 00:03:56,328  
the journal the skeptic and I have the

77  
00:03:54,319 --> 00:03:59,090  
latest copy right here in my hands it's

78  
00:03:56,329 --> 00:04:03,709  
pretty good the skeptic volume 36 number

79  
00:03:59,090 --> 00:04:06,739  
two from June 2016 science booze and

80  
00:04:03,709 --> 00:04:09,799  
goons it says hmm the main feature is

81  
00:04:06,739 --> 00:04:11,989  
about protecting consumer rights great

82  
00:04:09,799 --> 00:04:16,220  
magazine one of the older skeptical

83  
00:04:11,989 --> 00:04:18,259  
journals in the world and you can read

84  
00:04:16,220 --> 00:04:20,630  
all the back issues download and read

85  
00:04:18,259 --> 00:04:23,099  
all the back issues for free at skeptics

86

00:04:20,629 --> 00:04:25,740  
com au and I encourage

87  
00:04:23,100 --> 00:04:27,000  
to subscribe in fact if you subscribe

88  
00:04:25,740 --> 00:04:30,090  
you can choose whether to get the

89  
00:04:27,000 --> 00:04:32,699  
physical copy which I have right here or

90  
00:04:30,089 --> 00:04:35,099  
indeed you can get the electronic coffee

91  
00:04:32,699 --> 00:04:36,990  
or both but check it out at skeptics

92  
00:04:35,100 --> 00:04:39,180  
calm today you then to wrap up the show

93  
00:04:36,990 --> 00:04:42,629  
a concerning story about homeopathy and

94  
00:04:39,180 --> 00:04:45,780  
pets homeopathy can kill pets and should

95  
00:04:42,629 --> 00:04:47,550  
be banned says vets a story read out to

96  
00:04:45,779 --> 00:04:49,229  
us by our dear friend Lauren Cochrane

97  
00:04:47,550 --> 00:04:52,230  
and they'll be followed up by another

98  
00:04:49,230 --> 00:04:54,480  
report from medical daily com referring

99  
00:04:52,230 --> 00:04:58,020  
to a another video about homeopathy

100  
00:04:54,480 --> 00:05:00,150

which I will link to in this week's show

101

00:04:58,019 --> 00:05:03,149

notes but before we get stuck into the

102

00:05:00,149 --> 00:05:05,370

show check out Maynard Comte you for the

103

00:05:03,149 --> 00:05:08,039

latest bunga bunga podcast we have Tim

104

00:05:05,370 --> 00:05:10,410

Ferguson it's all about the supernova

105

00:05:08,040 --> 00:05:13,470

fan science fiction fan festival here in

106

00:05:10,410 --> 00:05:15,300

Sydney it's a it's a huge effort by

107

00:05:13,470 --> 00:05:17,970

Maynard to put all these interviews

108

00:05:15,300 --> 00:05:21,150

together he was running around with his

109

00:05:17,970 --> 00:05:23,490

microphone interviewing everybody twice

110

00:05:21,149 --> 00:05:25,949

I think but there's a video which

111

00:05:23,490 --> 00:05:28,290

accompanies this week's bunga bunga so

112

00:05:25,949 --> 00:05:30,569

check that out at Manor comdata you was

113

00:05:28,290 --> 00:05:32,700

a lot of fun I was there making the

114

00:05:30,569 --> 00:05:34,709

video and what a lot of fun we had I

115  
00:05:32,699 --> 00:05:37,019  
think you'll enjoy it Maynard and I are

116  
00:05:34,709 --> 00:05:39,120  
also looking forward very much in August

117  
00:05:37,019 --> 00:05:41,759  
in August we're going to be performing

118  
00:05:39,120 --> 00:05:45,030  
the mystery investigators show we do

119  
00:05:41,759 --> 00:05:47,370  
every year for schools and this time

120  
00:05:45,029 --> 00:05:49,379  
it's at the Australian Museum as part of

121  
00:05:47,370 --> 00:05:51,120  
science week so we're getting ready for

122  
00:05:49,379 --> 00:05:53,250  
that we have a bed of nails we do

123  
00:05:51,120 --> 00:05:56,040  
optical illusions and spoon bending and

124  
00:05:53,250 --> 00:05:57,629  
may not a bit of nails as listeners know

125  
00:05:56,040 --> 00:06:00,030  
from last year mate or what happens is I

126  
00:05:57,629 --> 00:06:02,159  
lie on the bed of nails Maynard then

127  
00:06:00,029 --> 00:06:04,319  
stands on top of me and plays his

128  
00:06:02,160 --> 00:06:06,300  
trombone but that's enough for me right

129  
00:06:04,319 --> 00:06:08,009  
now I'm going to run downstairs try to

130  
00:06:06,300 --> 00:06:10,129  
beat the cats to the fridge or the

131  
00:06:08,009 --> 00:06:13,610  
cupboard they're getting quite big the

132  
00:06:10,129 --> 00:06:16,379  
skeptical zone cats Henrietta and Maude

133  
00:06:13,610 --> 00:06:17,939  
this is amazing how quickly kittens grow

134  
00:06:16,379 --> 00:06:20,459  
it really is i think i'll run downstairs

135  
00:06:17,939 --> 00:06:23,459  
beat them to the fridge what I have I'll

136  
00:06:20,459 --> 00:06:27,569  
have um I'll have some nice chicken and

137  
00:06:23,459 --> 00:06:30,599  
corn soup mmm some crusty toast while

138  
00:06:27,569 --> 00:06:33,199  
I'm enjoying that I hope you enjoy the

139  
00:06:30,600 --> 00:06:33,200  
skeptical zone

140  
00:06:49,300 --> 00:07:08,540  
the Cass files with dr. Cassandra

141  
00:06:57,740 --> 00:07:10,400  
Perryman this is dr. Cassandra Perryman

142  
00:07:08,540 --> 00:07:12,680  
and today on the cast files we're going

143

00:07:10,399 --> 00:07:21,709  
to discuss the mind part of the

144  
00:07:12,680 --> 00:07:23,509  
mind-body wallet a skeptics were trained

145  
00:07:21,709 --> 00:07:25,669  
to look at the medical whoo the

146  
00:07:23,509 --> 00:07:28,430  
conspiracy theory whoo and once for some

147  
00:07:25,670 --> 00:07:31,520  
of us even a flat earth whoo but what

148  
00:07:28,430 --> 00:07:33,889  
about psychological blue poor treatment

149  
00:07:31,519 --> 00:07:35,870  
both medically and psychologically

150  
00:07:33,889 --> 00:07:38,979  
greatly affects an individual's quality

151  
00:07:35,870 --> 00:07:42,519  
of life and can be blatantly dangerous

152  
00:07:38,980 --> 00:07:44,600  
so could you recognize then a

153  
00:07:42,519 --> 00:07:48,409  
psychological woo is readily and easily

154  
00:07:44,600 --> 00:07:50,600  
as you recognize a medical whoo one that

155  
00:07:48,410 --> 00:07:52,460  
probably jumps to mind if any jump to

156  
00:07:50,600 --> 00:07:54,710  
mind at all is mindfulness now

157  
00:07:52,459 --> 00:07:58,819

mindfulness is a type of CVT or

158

00:07:54,709 --> 00:08:01,219

cognitive behavioral therapy CBT is

159

00:07:58,819 --> 00:08:04,060

efficacious has been researched for

160

00:08:01,220 --> 00:08:08,300

quite a long time it is an umbrella term

161

00:08:04,060 --> 00:08:10,160

generally under CBT there's a cognitive

162

00:08:08,300 --> 00:08:12,530

triad there's this negative view of

163

00:08:10,160 --> 00:08:15,830

self- view of the future and negative

164

00:08:12,529 --> 00:08:18,799

view of the world this triad then leads

165

00:08:15,829 --> 00:08:22,159

to a negative self schema and the

166

00:08:18,800 --> 00:08:25,189

purpose of the therapy is to adjust this

167

00:08:22,160 --> 00:08:28,360

negative triad mindfulness on the other

168

00:08:25,189 --> 00:08:31,399

hand has drawn in concepts from Buddhism

169

00:08:28,360 --> 00:08:36,649

instead of focusing on the cognitive

170

00:08:31,399 --> 00:08:38,718

triad they focus on the being mowed the

171

00:08:36,649 --> 00:08:42,500

being mowed stresses the idea of living

172  
00:08:38,719 --> 00:08:44,030  
and being in the now this is thought to

173  
00:08:42,500 --> 00:08:46,309  
allow the individual to have a more

174  
00:08:44,029 --> 00:08:48,409  
flexible and accepting mindset as

175  
00:08:46,309 --> 00:08:50,779  
opposed to somebody who's past or future

176  
00:08:48,409 --> 00:08:51,759  
oriented which leads to a more rigid

177  
00:08:50,779 --> 00:08:54,639  
mindset

178  
00:08:51,759 --> 00:08:56,259  
this perspective of the being mode is

179  
00:08:54,639 --> 00:08:59,439  
based on the Buddhist concept of

180  
00:08:56,259 --> 00:09:02,769  
metacognition and especially the ability

181  
00:08:59,440 --> 00:09:04,390  
to D center the core clinical practice

182  
00:09:02,769 --> 00:09:08,230  
then is what's called the 3-minute

183  
00:09:04,389 --> 00:09:10,330  
breathing space this kind of therapy is

184  
00:09:08,230 --> 00:09:12,970  
typically group administered which is

185  
00:09:10,330 --> 00:09:14,680  
not bad in and of itself this sessions

186  
00:09:12,970 --> 00:09:16,720  
are typically about two hours plus

187  
00:09:14,679 --> 00:09:19,659  
there's homework some all day workshops

188  
00:09:16,720 --> 00:09:21,490  
some workbooks and it can be

189  
00:09:19,659 --> 00:09:24,579  
administered by a clinician but is

190  
00:09:21,490 --> 00:09:27,310  
typically and well readily administered

191  
00:09:24,580 --> 00:09:29,080  
by a life coach the difference between a

192  
00:09:27,309 --> 00:09:30,759  
clinician and a life coach being that a

193  
00:09:29,080 --> 00:09:32,560  
clinician will have a postgraduate

194  
00:09:30,759 --> 00:09:35,230  
degree in psychology and a life coach

195  
00:09:32,559 --> 00:09:36,699  
will can train online now you've

196  
00:09:35,230 --> 00:09:39,009  
probably I'll come across at least the

197  
00:09:36,700 --> 00:09:42,180  
commercialized version of mindfulness in

198  
00:09:39,009 --> 00:09:45,039  
these adult meditative coloring books

199  
00:09:42,179 --> 00:09:47,199  
the question is then does it does it

200

00:09:45,039 --> 00:09:49,529  
work well the coloring books certainly

201  
00:09:47,200 --> 00:09:53,200  
not sand only invest in them if you like

202  
00:09:49,529 --> 00:09:54,669  
coloring but what about the therapy will

203  
00:09:53,200 --> 00:09:57,040  
research has shown that it doesn't work

204  
00:09:54,669 --> 00:09:59,279  
any better than medication and certainly

205  
00:09:57,039 --> 00:10:02,500  
not any better than actual CBT and

206  
00:09:59,279 --> 00:10:04,839  
because it's great based any sort of

207  
00:10:02,500 --> 00:10:07,419  
effect that can be seen can't be sorted

208  
00:10:04,840 --> 00:10:11,740  
out between what's the therapy and what

209  
00:10:07,419 --> 00:10:15,279  
is just group and social support what's

210  
00:10:11,740 --> 00:10:18,730  
the harm then well improper treatment is

211  
00:10:15,279 --> 00:10:21,100  
dangerous and unethical mindfulness

212  
00:10:18,730 --> 00:10:23,259  
doesn't teach you how to change your

213  
00:10:21,100 --> 00:10:24,670  
self schema in your internal dialogue

214  
00:10:23,259 --> 00:10:26,980

rather it tells you that you should

215

00:10:24,669 --> 00:10:28,839

accept an act in spite of it to achieve

216

00:10:26,980 --> 00:10:30,730

your goals you're taught to accept

217

00:10:28,840 --> 00:10:33,129

suffering and accept pain and to embrace

218

00:10:30,730 --> 00:10:36,009

the now experience even if it is harmful

219

00:10:33,129 --> 00:10:38,350

or painful some practitioners goes far

220

00:10:36,009 --> 00:10:40,569

saying happiness is a trap primarily

221

00:10:38,350 --> 00:10:43,149

just because it's a cognitive construct

222

00:10:40,570 --> 00:10:45,580

and schema what if the problem then that

223

00:10:43,149 --> 00:10:48,100

the person is facing is their negative

224

00:10:45,580 --> 00:10:51,550

self schema not their ability to work in

225

00:10:48,100 --> 00:10:54,040

spite of it not having a properly

226

00:10:51,549 --> 00:10:56,289

treated negative self schema leads to

227

00:10:54,039 --> 00:10:59,799

increased depression in Greece stress

228

00:10:56,289 --> 00:11:02,860

and increased anxiety so how exactly did

229  
00:10:59,799 --> 00:11:05,229  
mindfulness help the person now one of

230  
00:11:02,860 --> 00:11:08,110  
the big red flags for mindfulness

231  
00:11:05,230 --> 00:11:10,600  
well it is based on Buddhism nothing

232  
00:11:08,110 --> 00:11:13,240  
inherently wrong I suppose with Buddhism

233  
00:11:10,600 --> 00:11:17,409  
but it's definitely not a psychological

234  
00:11:13,240 --> 00:11:18,879  
therapy so that's it for now beware when

235  
00:11:17,409 --> 00:11:20,919  
you're going to your next mind-body

236  
00:11:18,879 --> 00:11:38,350  
wallet festival realize that the mind

237  
00:11:20,919 --> 00:11:41,529  
they're talking about is mindfulness hey

238  
00:11:38,350 --> 00:11:43,300  
widget oh hi Trish Wow would you like a

239  
00:11:41,529 --> 00:11:45,789  
coffee yeah thanks what you're working

240  
00:11:43,299 --> 00:11:47,819  
on trying to come up with a new promo to

241  
00:11:45,789 --> 00:11:50,649  
play on the skeptic zone who's it for

242  
00:11:47,820 --> 00:11:53,260  
the good thinking society in the UK you

243  
00:11:50,649 --> 00:11:55,149  
know Michael Marshall Simon Singh Nora

244  
00:11:53,259 --> 00:11:56,830  
Thomas and background oh yeah I know

245  
00:11:55,149 --> 00:11:59,279  
them they've been doing some great work

246  
00:11:56,830 --> 00:12:02,200  
investigating veterinary homeopathy

247  
00:11:59,279 --> 00:12:04,659  
vetri homeopathy what you sugarpill this

248  
00:12:02,200 --> 00:12:05,920  
freak out I know right and also they're

249  
00:12:04,659 --> 00:12:07,870  
looking at some of the dodgy medical

250  
00:12:05,919 --> 00:12:10,000  
advice given by UK chiropractors I'll

251  
00:12:07,870 --> 00:12:15,060  
mention all that in the promo now their

252  
00:12:10,000 --> 00:12:17,379  
website is good thinking society org and

253  
00:12:15,059 --> 00:12:19,149  
they've recently been reporting on the

254  
00:12:17,379 --> 00:12:21,789  
resurgence of faith healer peter Popoff

255  
00:12:19,149 --> 00:12:23,169  
you know Papa right ok look thanks to

256  
00:12:21,789 --> 00:12:25,589  
that it gives me something good to think

257

00:12:23,169 --> 00:12:25,589  
about

258  
00:13:18,509 --> 00:13:25,470  
ah yes that music now some of you will

259  
00:13:22,620 --> 00:13:27,899  
know that music very well it comes from

260  
00:13:25,470 --> 00:13:30,690  
a series of movies made in the 30s and

261  
00:13:27,899 --> 00:13:32,639  
the 40 starring Nigel Bruce is dr.

262  
00:13:30,690 --> 00:13:35,190  
Watson and basil rathbone the

263  
00:13:32,639 --> 00:13:36,929  
incomparable Basil Rathbone as Sherlock

264  
00:13:35,190 --> 00:13:39,750  
Holmes now I grew up watching these

265  
00:13:36,929 --> 00:13:42,000  
movies that were sort of played not too

266  
00:13:39,750 --> 00:13:45,299  
late at night I remember in the school

267  
00:13:42,000 --> 00:13:47,820  
holidays I seem to remember in late 70s

268  
00:13:45,299 --> 00:13:50,189  
we would watch those and we love them as

269  
00:13:47,820 --> 00:13:55,230  
kids we thought they were just wonderful

270  
00:13:50,190 --> 00:13:57,480  
for me Basil Rathbone is Sherlock Holmes

271  
00:13:55,230 --> 00:13:58,860

I mean I like the others I like every

272

00:13:57,480 --> 00:14:01,320

interpretation of Sherlock Holmes I

273

00:13:58,860 --> 00:14:03,779

think i'm a big fan but for me because

274

00:14:01,320 --> 00:14:05,760

of the early introduction I think Basil

275

00:14:03,779 --> 00:14:07,799

Rathbone really is Sherlock Holmes if

276

00:14:05,759 --> 00:14:09,210

you haven't seen his movies he is

277

00:14:07,799 --> 00:14:12,419

Sherlock Holmes movies they're all on

278

00:14:09,210 --> 00:14:14,070

YouTube whether they're out of copyright

279

00:14:12,419 --> 00:14:15,990

or not in fact some of them were in the

280

00:14:14,070 --> 00:14:18,150

public domain I've discovered which is

281

00:14:15,990 --> 00:14:20,789

interesting a quick look on youtube

282

00:14:18,149 --> 00:14:23,340

basil Rathbones Sherlock Holmes or sean

283

00:14:20,789 --> 00:14:26,219

combs 1939 movies you'll find them and

284

00:14:23,340 --> 00:14:28,410

if you haven't seen them or if you know

285

00:14:26,220 --> 00:14:31,290

people the younger generation you

286  
00:14:28,409 --> 00:14:35,819  
haven't seen them grab some popcorn set

287  
00:14:31,289 --> 00:14:37,829  
up your TV and watch one one of my

288  
00:14:35,820 --> 00:14:39,870  
favorites is called terror by night I'm

289  
00:14:37,830 --> 00:14:41,970  
in there a bit corny yes they're only an

290  
00:14:39,870 --> 00:14:44,549  
hour roughly an hour long these movies

291  
00:14:41,970 --> 00:14:46,529  
there are I think 14 in the series which

292  
00:14:44,549 --> 00:14:49,169  
is great fun and a lot of them are

293  
00:14:46,529 --> 00:14:52,799  
actually set during World War Two with

294  
00:14:49,169 --> 00:14:55,229  
Sherlock Holmes battling Nazi

295  
00:14:52,799 --> 00:14:57,509  
infiltrators and secret weapons and all

296  
00:14:55,230 --> 00:14:59,789  
this sort of stuff but yes what great

297  
00:14:57,509 --> 00:15:01,590  
fun but the reason I'm discussing this

298  
00:14:59,789 --> 00:15:02,969  
as I was watching one the other night I

299  
00:15:01,590 --> 00:15:04,950  
like to do occasionally and when I

300  
00:15:02,970 --> 00:15:08,519  
haven't seen for many years in fact many

301  
00:15:04,950 --> 00:15:12,030  
years because there's a wonderful little

302  
00:15:08,519 --> 00:15:15,179  
piece in it where Sherlock Holmes is

303  
00:15:12,029 --> 00:15:16,949  
talking about being a skeptic now this

304  
00:15:15,179 --> 00:15:19,559  
isn't from an original Arthur Conan

305  
00:15:16,950 --> 00:15:22,020  
Doyle story but that's okay so what I'd

306  
00:15:19,559 --> 00:15:26,759  
like to do now is play a few minutes

307  
00:15:22,019 --> 00:15:28,740  
from the Scarlet claw 1944 starring

308  
00:15:26,759 --> 00:15:30,659  
basil Rathbones Sherlock Holmes Nigel

309  
00:15:28,740 --> 00:15:32,110  
Bruce is dr. Watson and in this clip

310  
00:15:30,659 --> 00:15:35,439  
you'll also hear

311  
00:15:32,110 --> 00:15:39,399  
Kevin are playing Lord pin rose Lord

312  
00:15:35,440 --> 00:15:40,930  
William Penn rose yes he's addressing a

313  
00:15:39,399 --> 00:15:45,909  
meeting of the Royal Canadian occult

314

00:15:40,929 --> 00:15:48,009  
society and to quebec hotel gentlemen as

315  
00:15:45,909 --> 00:15:49,539  
your hope the greatest obstacle

316  
00:15:48,009 --> 00:15:54,309  
improving the authenticity of the occult

317  
00:15:49,539 --> 00:15:56,439  
lies in finding facts however if the

318  
00:15:54,309 --> 00:15:58,828  
facts are there even the most hardened

319  
00:15:56,440 --> 00:16:01,570  
skeptic providing it has an open mind

320  
00:15:58,828 --> 00:16:03,819  
must finally acknowledge the actual

321  
00:16:01,570 --> 00:16:06,700  
existence of supernatural you admit that

322  
00:16:03,820 --> 00:16:09,100  
mr. home facts always convincing Lord

323  
00:16:06,700 --> 00:16:11,320  
Penrose it's the conclusions drawn from

324  
00:16:09,100 --> 00:16:12,909  
facts that are frequent you never yes in

325  
00:16:11,320 --> 00:16:14,620  
the case of the hand of the Baskervilles

326  
00:16:12,909 --> 00:16:18,419  
as well as in the invention of the

327  
00:16:14,620 --> 00:16:21,700  
Sussex Empire we found the simply oh

328  
00:16:18,419 --> 00:16:26,319

well gentlemen this time I have facts

329

00:16:21,700 --> 00:16:28,899

cold facts many years ago 100 to be

330

00:16:26,320 --> 00:16:31,778

exact an apparition appear at night in

331

00:16:28,899 --> 00:16:33,220

the village now called la mouche the

332

00:16:31,778 --> 00:16:35,828

following morning three people were

333

00:16:33,220 --> 00:16:38,649

found dead the throats torn out hence

334

00:16:35,828 --> 00:16:43,088

the town's rather grim name interesting

335

00:16:38,649 --> 00:16:44,948

ears but facts know how do you think the

336

00:16:43,089 --> 00:16:46,829

tales of superstitious peasants can be

337

00:16:44,948 --> 00:16:49,419

considered haven't finished mr. Holmes

338

00:16:46,828 --> 00:16:50,948

the Mirage is again being seen of these

339

00:16:49,419 --> 00:16:52,629

strange and unexplainable occurrences

340

00:16:50,948 --> 00:16:54,669

unexplainable that is from your point of

341

00:16:52,629 --> 00:16:56,439

view several of our most responsible

342

00:16:54,669 --> 00:16:58,000

citizens have actually seen the strange

343  
00:16:56,440 --> 00:17:00,399  
apparition on the marshes at night and

344  
00:16:58,000 --> 00:17:02,289  
next morning sheep were discovered their

345  
00:17:00,399 --> 00:17:04,419  
throats torn out and no traces of the

346  
00:17:02,289 --> 00:17:05,859  
killer anywhere to be found oh you read

347  
00:17:04,419 --> 00:17:07,919  
about it in the papers no as a matter of

348  
00:17:05,859 --> 00:17:11,529  
fact I haven't it was merely a deduction

349  
00:17:07,919 --> 00:17:13,120  
rather obvious one I'm afraid deductions

350  
00:17:11,529 --> 00:17:14,949  
are a weakness of mine has dr. Watson

351  
00:17:13,119 --> 00:17:17,769  
can tell you who would you believe it

352  
00:17:14,949 --> 00:17:19,929  
Holmes killed well those are facts mr.

353  
00:17:17,769 --> 00:17:22,480  
Holmes ignore them if you can I never

354  
00:17:19,929 --> 00:17:23,919  
ignore facts more terrorists I have no

355  
00:17:22,480 --> 00:17:25,509  
doubt that the incident of the sheep of

356  
00:17:23,919 --> 00:17:27,730  
their throats torn out is unquestionably

357  
00:17:25,509 --> 00:17:29,349  
effect however the interpretation of

358  
00:17:27,730 --> 00:17:31,179  
this fact has been final proof of the

359  
00:17:29,349 --> 00:17:33,189  
existence of the supernatural is Melissa

360  
00:17:31,179 --> 00:17:35,200  
position therefore cannot be accepted

361  
00:17:33,190 --> 00:17:36,509  
without further data your opinions mr.

362  
00:17:35,200 --> 00:17:37,740  
Holmes are undoubtedly there

363  
00:17:36,509 --> 00:17:39,059  
your inability to cope with something

364  
00:17:37,740 --> 00:17:41,579  
beyond the realm of your comprehension

365  
00:17:39,059 --> 00:17:44,579  
so on man I'm sorry John but this

366  
00:17:41,579 --> 00:17:46,049  
ridiculous skepticism I I'm afraid law

367  
00:17:44,579 --> 00:17:48,299  
I'm gonna write understandable sir john

368  
00:17:46,049 --> 00:17:50,490  
Lord Penrose is deeply entrenched in his

369  
00:17:48,299 --> 00:17:52,349  
beliefs that's his privilege I'll hang

370  
00:17:50,490 --> 00:17:55,049  
it on home two fellows positively rude

371

00:17:52,349 --> 00:17:58,559  
well so we see a little overwrought

372  
00:17:55,049 --> 00:18:01,230  
Watson well what a great little clip

373  
00:17:58,559 --> 00:18:02,940  
that was from the Scarlet claw also

374  
00:18:01,230 --> 00:18:05,789  
known as Sherlock Holmes and the scarlet

375  
00:18:02,940 --> 00:18:08,370  
cloth from 1944 and don't you just love

376  
00:18:05,789 --> 00:18:10,799  
that name the Royal Canadian occult

377  
00:18:08,369 --> 00:18:13,199  
society again if you haven't seen those

378  
00:18:10,799 --> 00:18:14,970  
movies from 30s in the 40 starring basil

379  
00:18:13,200 --> 00:18:17,610  
Rathbones Sherlock Holmes and Nigel

380  
00:18:14,970 --> 00:18:18,960  
Bruce is dr. Watson you might want to

381  
00:18:17,609 --> 00:18:21,299  
check them out and maybe you'll get a

382  
00:18:18,960 --> 00:18:23,700  
lot of enjoyment as I have over the

383  
00:18:21,299 --> 00:18:25,440  
years and it's no surprise the character

384  
00:18:23,700 --> 00:18:28,340  
like Sherlock Holmes would be a strong

385  
00:18:25,440 --> 00:18:28,340

skeptic

386

00:18:45,450 --> 00:18:51,700

hi this is Carrie papi i am ross Blocher

387

00:18:49,210 --> 00:18:55,150

okay Ross hey we're from a podcast

388

00:18:51,700 --> 00:18:56,890

called oh no Ross and Carrie we find out

389

00:18:55,150 --> 00:18:58,269

what happens when you show up and ask

390

00:18:56,890 --> 00:19:00,520

questions we've hung out with the

391

00:18:58,269 --> 00:19:03,099

Cabalists the Mormons we've gone and

392

00:19:00,519 --> 00:19:05,529

gotten ear candle gone to the Sikhs we

393

00:19:03,099 --> 00:19:07,149

show up so you don't have to so find out

394

00:19:05,529 --> 00:19:09,250

where we're going next we'll even have

395

00:19:07,150 --> 00:19:11,679

special episodes where we have famous

396

00:19:09,250 --> 00:19:13,660

guests like Brian Dalton from mr. deity

397

00:19:11,679 --> 00:19:15,700

you heard that awesome theme music he

398

00:19:13,660 --> 00:19:19,870

wrote that you should come visit us at

399

00:19:15,700 --> 00:19:22,630

Oh No podcast.com or facebook.com slash

400  
00:19:19,869 --> 00:19:26,769  
on rack what the hell's honor a cross Oh

401  
00:19:22,630 --> 00:19:30,690  
in RAC Oh Oh No Ross and Carrie that's

402  
00:19:26,769 --> 00:19:30,690  
our show that's a smart come join us

403  
00:19:37,589 --> 00:19:44,259  
from the website of Australian skeptics

404  
00:19:40,269 --> 00:19:47,099  
skeptics kome you written by Tim mendham

405  
00:19:44,259 --> 00:19:51,029  
published on the thirtieth of June 2016

406  
00:19:47,099 --> 00:19:54,629  
chiropractor Floriani embroiled in fake

407  
00:19:51,029 --> 00:19:57,339  
gynecologist case Simon Floriani

408  
00:19:54,630 --> 00:19:58,780  
anti-vaccine chiropractor and former

409  
00:19:57,339 --> 00:20:01,509  
president of the chiropractor's

410  
00:19:58,779 --> 00:20:03,639  
Association of Australia has been named

411  
00:20:01,509 --> 00:20:06,849  
in court for referring one of his

412  
00:20:03,640 --> 00:20:10,150  
patients to a quote fake gynecologist

413  
00:20:06,849 --> 00:20:12,849  
end quote and as an aside and as

414  
00:20:10,150 --> 00:20:15,790  
listeners to the skeptic zone will be

415  
00:20:12,849 --> 00:20:18,189  
fully aware of i'm sure that many

416  
00:20:15,789 --> 00:20:20,649  
chiropractors not all of course but many

417  
00:20:18,190 --> 00:20:24,669  
chiropractors in this country at least

418  
00:20:20,650 --> 00:20:26,710  
seem to be anti-vaccination we read on

419  
00:20:24,669 --> 00:20:29,410  
the patient was one of several who were

420  
00:20:26,710 --> 00:20:33,220  
allegedly sexually assaulted by the

421  
00:20:29,410 --> 00:20:36,250  
self-professed IVF specialist rafael de

422  
00:20:33,220 --> 00:20:37,890  
pollo floriani pictured on the page by

423  
00:20:36,250 --> 00:20:40,419  
the way with his wife and

424  
00:20:37,890 --> 00:20:43,090  
anti-vaccination campaigner andrew

425  
00:20:40,419 --> 00:20:46,410  
wakefield was treating the woman for

426  
00:20:43,089 --> 00:20:49,240  
infertility despite this being outside a

427  
00:20:46,410 --> 00:20:51,519  
chiropractors area of competence and in

428

00:20:49,240 --> 00:20:54,579  
breach of the chiropractic boards code

429  
00:20:51,519 --> 00:20:55,160  
of conduct and several warnings from the

430  
00:20:54,579 --> 00:20:57,980  
board

431  
00:20:55,160 --> 00:20:59,540  
after floriani had failed to help the

432  
00:20:57,980 --> 00:21:02,990  
woman fall pregnant by performing

433  
00:20:59,539 --> 00:21:06,200  
chiropractic quote adjustments men quote

434  
00:21:02,990 --> 00:21:10,099  
on her he referred her to die paleo a

435  
00:21:06,200 --> 00:21:13,220  
homeopath hmm who posed as a fertility

436  
00:21:10,099 --> 00:21:16,819  
expert according to a report in the Age

437  
00:21:13,220 --> 00:21:18,860  
newspaper d polio supposedly earned more

438  
00:21:16,819 --> 00:21:22,039  
than three hundred and forty-two

439  
00:21:18,859 --> 00:21:24,409  
thousand dollars between 2006 and 2015

440  
00:21:22,039 --> 00:21:26,659  
offering fertility treatments under the

441  
00:21:24,410 --> 00:21:29,570  
guise of being a medical practitioner

442  
00:21:26,660 --> 00:21:32,320

and as another aside we often hear the

443

00:21:29,569 --> 00:21:36,259

term being bandied around healthcare

444

00:21:32,319 --> 00:21:38,089

professional which reminds me of this in

445

00:21:36,259 --> 00:21:40,579

this situation a lot of people with no

446

00:21:38,089 --> 00:21:43,279

qualifications or what we wouldn't call

447

00:21:40,579 --> 00:21:46,369

real qualifications still like to call

448

00:21:43,279 --> 00:21:49,490

themselves health care professionals we

449

00:21:46,369 --> 00:21:52,519

read on floriani and his chiropractor

450

00:21:49,490 --> 00:21:54,920

wife Jennifer Burnham floriani have a

451

00:21:52,519 --> 00:21:57,889

long history of anti-vaccination another

452

00:21:54,920 --> 00:22:00,019

non evidence-based activism they are

453

00:21:57,890 --> 00:22:02,660

regular presenters and attendees at the

454

00:22:00,019 --> 00:22:04,849

annual Californian Jam chiropractic

455

00:22:02,660 --> 00:22:07,279

event in the US appearing with other

456

00:22:04,849 --> 00:22:10,369

anti-vaccination activists such as

457  
00:22:07,279 --> 00:22:12,680  
Wakefield and sherry tympani in July

458  
00:22:10,369 --> 00:22:15,500  
2014 floriani and three other

459  
00:22:12,680 --> 00:22:17,840  
chiropractors at his vitality business

460  
00:22:15,500 --> 00:22:20,599  
were cautioned with having

461  
00:22:17,839 --> 00:22:22,459  
anti-vaccination paraphernalia in the

462  
00:22:20,599 --> 00:22:25,730  
Melbourne businesses waiting room

463  
00:22:22,460 --> 00:22:30,170  
another aside vitality business vitality

464  
00:22:25,730 --> 00:22:32,329  
reminds me of the word wellness we sort

465  
00:22:30,170 --> 00:22:34,039  
of call these words weasel words that

466  
00:22:32,329 --> 00:22:36,649  
means words that sound like they mean

467  
00:22:34,039 --> 00:22:39,200  
something that really don't vitality

468  
00:22:36,650 --> 00:22:42,530  
wellness another advertiser I know of

469  
00:22:39,200 --> 00:22:46,269  
uses the word zest take this pill to

470  
00:22:42,529 --> 00:22:49,339  
bring the zest back we read on in March

471  
00:22:46,269 --> 00:22:51,379  
2016 it was revealed that Floriani had

472  
00:22:49,339 --> 00:22:54,799  
sneaked into a Melbourne Hospital in

473  
00:22:51,380 --> 00:22:58,010  
2000 to treat a patient with a severe

474  
00:22:54,799 --> 00:23:00,559  
spinal injury floriani told the hospital

475  
00:22:58,009 --> 00:23:03,789  
that he was the patient's snowboard

476  
00:23:00,559 --> 00:23:07,069  
coach no wonder he had a spinal injury

477  
00:23:03,789 --> 00:23:09,019  
floriani facebook profile still features

478  
00:23:07,069 --> 00:23:11,689  
several videos in which he claimed

479  
00:23:09,019 --> 00:23:14,329  
to treat colic and other conditions in

480  
00:23:11,690 --> 00:23:16,250  
babies these conditions were recently

481  
00:23:14,329 --> 00:23:18,679  
cited by the chiropractic Board of

482  
00:23:16,250 --> 00:23:20,839  
Australia as breaches of advertising

483  
00:23:18,680 --> 00:23:23,500  
guidelines his activity has been

484  
00:23:20,839 --> 00:23:26,329  
referred to the border for action and

485

00:23:23,500 --> 00:23:28,369  
thanks to professor Ken Harvey and

486  
00:23:26,329 --> 00:23:30,470  
bloggers reasonable Hank for the

487  
00:23:28,369 --> 00:23:35,449  
information for this article which you

488  
00:23:30,470 --> 00:23:37,430  
can read at [www.skeptics.com.au](http://www.skeptics.com.au) and as a

489  
00:23:35,450 --> 00:23:39,559  
last aside this reminds me of a

490  
00:23:37,430 --> 00:23:41,990  
conversation i had not so long ago with

491  
00:23:39,559 --> 00:23:45,250  
a friend of mine and a casual

492  
00:23:41,990 --> 00:23:49,900  
acquaintance who was not aware that

493  
00:23:45,250 --> 00:23:53,289  
chiropractic was more or less based in

494  
00:23:49,900 --> 00:23:56,660  
nonsense and non-scientific ideas non

495  
00:23:53,289 --> 00:23:58,369  
evidence-based we might say and it's

496  
00:23:56,660 --> 00:24:00,980  
very difficult for somebody who doesn't

497  
00:23:58,369 --> 00:24:03,169  
know that to accept that cold when you

498  
00:24:00,980 --> 00:24:07,160  
tell them and I can I can understand

499  
00:24:03,170 --> 00:24:10,120

that many people people you know

500

00:24:07,160 --> 00:24:13,580

probably consider chiropractic to be a

501

00:24:10,119 --> 00:24:16,489

special form of medicine am a speciality

502

00:24:13,579 --> 00:24:19,369

so to speak so when you suggest to them

503

00:24:16,490 --> 00:24:22,039

it's not it's it well of course people

504

00:24:19,369 --> 00:24:23,689

get confused and it was put to me

505

00:24:22,039 --> 00:24:25,180

something that the skeptics here quite a

506

00:24:23,690 --> 00:24:27,890

lot which is called begging the question

507

00:24:25,180 --> 00:24:29,779

was put to me well if chiropractic

508

00:24:27,890 --> 00:24:33,370

doesn't work how come so many people are

509

00:24:29,779 --> 00:24:36,559

cured by it it's very hard to then

510

00:24:33,369 --> 00:24:39,169

unravel that especially when you're just

511

00:24:36,559 --> 00:24:41,629

having a chat to a friend it's difficult

512

00:24:39,170 --> 00:24:45,590

sometimes skeptics have a difficult job

513

00:24:41,630 --> 00:24:47,530

in explaining these things because

514  
00:24:45,589 --> 00:24:49,579  
there's a lot of unraveling to do and

515  
00:24:47,529 --> 00:24:52,730  
sometimes that doesn't go very far

516  
00:24:49,579 --> 00:24:55,460  
because people get defended or confused

517  
00:24:52,730 --> 00:24:58,700  
or they'll get short with you I've not

518  
00:24:55,460 --> 00:25:00,769  
yet found a eloquent way to convey all

519  
00:24:58,700 --> 00:25:04,880  
this stuff quickly maybe there's not

520  
00:25:00,769 --> 00:25:07,940  
maybe there's none it's also the same

521  
00:25:04,880 --> 00:25:10,130  
argument comes up with homeopathy if

522  
00:25:07,940 --> 00:25:12,440  
homeopathy doesn't work how come so many

523  
00:25:10,130 --> 00:25:14,600  
people get better by using it then you

524  
00:25:12,440 --> 00:25:16,970  
have to unravel that and explain begging

525  
00:25:14,599 --> 00:25:19,879  
the question but that doesn't get you

526  
00:25:16,970 --> 00:25:21,110  
very far sometimes and finally the same

527  
00:25:19,880 --> 00:25:24,860  
friend

528  
00:25:21,109 --> 00:25:26,899  
was not aware at all was simply not

529  
00:25:24,859 --> 00:25:30,259  
aware that when you buy a bottle of

530  
00:25:26,900 --> 00:25:34,540  
homeopathic pills or liquid there's

531  
00:25:30,259 --> 00:25:34,539  
actually nothing in it and that can be

532  
00:25:34,599 --> 00:25:38,980  
pardoned the analogy or the pun that can

533  
00:25:36,829 --> 00:25:41,740  
be hard to swallow for a lot of people

534  
00:25:38,980 --> 00:25:43,940  
when you suggest to the motel than the

535  
00:25:41,740 --> 00:25:47,000  
homeopathic preparation does not have

536  
00:25:43,940 --> 00:25:48,440  
ingredients in it it's it's very

537  
00:25:47,000 --> 00:25:50,420  
confusing and a lot of people won't

538  
00:25:48,440 --> 00:25:51,950  
accept it when you say that because it

539  
00:25:50,420 --> 00:25:54,440  
sounds so ridiculous it can't possibly

540  
00:25:51,950 --> 00:25:56,210  
be true again it can't possibly be true

541  
00:25:54,440 --> 00:25:57,259  
because people get better by using it

542

00:25:56,210 --> 00:26:00,919  
and they come back to begging the

543  
00:25:57,259 --> 00:26:03,619  
question not always easy my friends not

544  
00:26:00,919 --> 00:26:06,590  
always easy but thanks again to Tim

545  
00:26:03,619 --> 00:26:08,079  
mendham I professor can Harvey and

546  
00:26:06,589 --> 00:26:11,689  
reasonable Hank for putting that

547  
00:26:08,079 --> 00:26:26,899  
information together at skeptics calm

548  
00:26:11,690 --> 00:26:29,750  
day you Australian skeptics National

549  
00:26:26,900 --> 00:26:32,000  
Convention 2016 will be hosted in

550  
00:26:29,750 --> 00:26:35,269  
Melbourne at the university of melbourne

551  
00:26:32,000 --> 00:26:37,490  
from the 25th to the 27th of november

552  
00:26:35,269 --> 00:26:40,220  
with the annual dinner being held at

553  
00:26:37,490 --> 00:26:44,390  
melbourne zoo on the evening of the 26th

554  
00:26:40,220 --> 00:26:47,140  
of November early bird ticket sales are

555  
00:26:44,390 --> 00:26:51,620  
online at the convention website

556  
00:26:47,140 --> 00:26:53,419

convention skeptics comdata you and if

557

00:26:51,619 --> 00:26:55,339

you get an early bird ticket you'll

558

00:26:53,419 --> 00:26:59,630

receive a discount and be able to

559

00:26:55,339 --> 00:27:01,189

reserve seats close to the stage we can

560

00:26:59,630 --> 00:27:04,130

confirm that speakers for the convention

561

00:27:01,190 --> 00:27:07,308

will include Lawrence Krauss Ed's odd

562

00:27:04,130 --> 00:27:10,940

Ernst Harriet Hall Michael Marshall

563

00:27:07,308 --> 00:27:14,769

Katie Mac and Mel Thompson with many

564

00:27:10,940 --> 00:27:17,809

more great speakers to be announced soon

565

00:27:14,769 --> 00:27:20,509

nicholas j johnson is our emcee for the

566

00:27:17,809 --> 00:27:22,490

annual dinner information about our

567

00:27:20,509 --> 00:27:25,309

speakers is available from the

568

00:27:22,490 --> 00:27:29,950

convention website so that's convention

569

00:27:25,309 --> 00:27:29,950

dot skeptics com got a you

570

00:27:41,200 --> 00:27:48,278

this is Lauren Cochran with an article

571  
00:27:43,450 --> 00:27:50,558  
from The Telegraph by Sarah naptin vets

572  
00:27:48,278 --> 00:27:52,630  
are calling for a ban on homeopathy for

573  
00:27:50,558 --> 00:27:54,398  
pets claiming animals cannot benefit

574  
00:27:52,630 --> 00:27:55,870  
from the placebo effect because they are

575  
00:27:54,398 --> 00:27:57,908  
unaware that they are being treated

576  
00:27:55,869 --> 00:27:59,528  
Danny chambers who teaches at the

577  
00:27:57,909 --> 00:28:01,720  
University of Edinburgh said that

578  
00:27:59,528 --> 00:28:03,730  
homeopathy has no basis in science and

579  
00:28:01,720 --> 00:28:05,620  
prevents the use of Orthodox remedies

580  
00:28:03,730 --> 00:28:08,079  
which can lead to an unnecessary

581  
00:28:05,619 --> 00:28:09,699  
suffering and even death more than a

582  
00:28:08,079 --> 00:28:12,038  
thousand vets have now signed a petition

583  
00:28:09,700 --> 00:28:13,330  
started by mr. chambers which calls on

584  
00:28:12,038 --> 00:28:15,398  
the Royal College of Veterinary Surgeons

585  
00:28:13,329 --> 00:28:17,668  
to prohibit homeopathic treatments

586  
00:28:15,398 --> 00:28:19,959  
writing in New Scientist he said

587  
00:28:17,669 --> 00:28:21,610  
amazingly it is still offered and

588  
00:28:19,960 --> 00:28:23,740  
promoted by a small number of vets in

589  
00:28:21,609 --> 00:28:25,839  
the UK this is plain weird when you

590  
00:28:23,740 --> 00:28:27,669  
think about it animals do not experience

591  
00:28:25,839 --> 00:28:30,009  
a placebo effect because they are

592  
00:28:27,669 --> 00:28:31,870  
unaware that they are being treated vets

593  
00:28:30,009 --> 00:28:33,429  
who practice homeopathy should not be

594  
00:28:31,869 --> 00:28:36,009  
permitted to use their professional

595  
00:28:33,429 --> 00:28:37,419  
standing to promote its validity they

596  
00:28:36,009 --> 00:28:39,158  
should not be allowed to charge a fee

597  
00:28:37,419 --> 00:28:41,700  
for something that has been proven to be

598  
00:28:39,159 --> 00:28:44,440  
ineffective this line must be drawn

599

00:28:41,700 --> 00:28:46,149  
after all no one would argue that vets

600  
00:28:44,440 --> 00:28:48,370  
should be permitted to offer crystal

601  
00:28:46,148 --> 00:28:50,168  
healing or psychic healing let's stop

602  
00:28:48,369 --> 00:28:51,879  
vets from prescribing homeopathic

603  
00:28:50,169 --> 00:28:53,919  
treatments sending a clear message that

604  
00:28:51,880 --> 00:28:56,649  
these are not endorsed by 21st century

605  
00:28:53,919 --> 00:28:58,360  
medicine supporters of homeopathy

606  
00:28:56,648 --> 00:29:00,759  
believe it can treat everything from

607  
00:28:58,359 --> 00:29:02,199  
depression to hay fever the theory being

608  
00:29:00,759 --> 00:29:04,690  
that substances that produce the

609  
00:29:02,200 --> 00:29:06,610  
symptoms of an ailment can cure it once

610  
00:29:04,690 --> 00:29:08,740  
they've been watered down many times to

611  
00:29:06,609 --> 00:29:10,538  
reduce their strength advocates of the

612  
00:29:08,740 --> 00:29:12,788  
practice claim the water retains a

613  
00:29:10,538 --> 00:29:14,408

memory of the original substance the

614

00:29:12,788 --> 00:29:17,138

Prince of Wales recently announced that

615

00:29:14,409 --> 00:29:19,059

he uses homeopathy on his cattle but

616

00:29:17,138 --> 00:29:21,189

critics say the only benefits are in the

617

00:29:19,058 --> 00:29:23,259

mind with a Lancet study concluding that

618

00:29:21,190 --> 00:29:24,909

homeopathy was no more effective than

619

00:29:23,259 --> 00:29:28,839

the standard sugar pill given as a

620

00:29:24,909 --> 00:29:30,519

placebo in clinical trials in 2010 the

621

00:29:28,839 --> 00:29:32,019

Science and Technology Committee agreed

622

00:29:30,519 --> 00:29:33,519

that there was no evidence the drugs

623

00:29:32,019 --> 00:29:36,099

were any more effective than a placebo

624

00:29:33,519 --> 00:29:38,288

the chief medical officer Dame Sally

625

00:29:36,099 --> 00:29:41,949

Davies has also said that homeopathy is

626

00:29:38,288 --> 00:29:43,839

rubbish most NHS trusts no longer fund

627

00:29:41,950 --> 00:29:45,850

homeopathic treatments which do not

628  
00:29:43,839 --> 00:29:48,759  
include complimentary therapies such as

629  
00:29:45,849 --> 00:29:50,678  
acupuncture but there are at least 46

630  
00:29:48,759 --> 00:29:54,128  
practices across Britain which still

631  
00:29:50,679 --> 00:29:55,120  
offer treatment mr. chambers added the

632  
00:29:54,128 --> 00:29:56,500  
danger is not only

633  
00:29:55,119 --> 00:29:59,169  
due to the remedies being ineffective

634  
00:29:56,500 --> 00:30:01,359  
but the belief held by some homeopaths

635  
00:29:59,170 --> 00:30:03,820  
that such therapies can be a substitute

636  
00:30:01,359 --> 00:30:06,129  
for Orthodox treatment this is at best

637  
00:30:03,819 --> 00:30:08,250  
misleading and at worse may lead to

638  
00:30:06,130 --> 00:30:10,120  
unnecessary suffering or death

639  
00:30:08,250 --> 00:30:12,339  
substituting effective and appropriate

640  
00:30:10,119 --> 00:30:14,859  
treatment with homeopathy for serious

641  
00:30:12,339 --> 00:30:16,990  
diseases such as hyperthyroidism in a

642  
00:30:14,859 --> 00:30:19,259  
cat good result in a personal tragedy

643  
00:30:16,990 --> 00:30:21,579  
for the owner of a much-loved pet

644  
00:30:19,259 --> 00:30:23,200  
allowing a small minority of vets to

645  
00:30:21,579 --> 00:30:24,939  
continue prescribing homeopathic

646  
00:30:23,200 --> 00:30:26,710  
remedies adds legitimacy to a

647  
00:30:24,940 --> 00:30:28,720  
pseudoscience that may lead to belief

648  
00:30:26,710 --> 00:30:31,269  
that it is a genuinely effective

649  
00:30:28,720 --> 00:30:32,860  
medicine however a spokesman for the

650  
00:30:31,269 --> 00:30:35,079  
British Association of homeopathic

651  
00:30:32,859 --> 00:30:37,529  
veterinary surgeons said that people who

652  
00:30:35,079 --> 00:30:39,970  
opposed homeopathy had an axe to grind

653  
00:30:37,529 --> 00:30:41,889  
the Royal Society of Veterinary Surgeons

654  
00:30:39,970 --> 00:30:43,509  
has made it clear that homeopathic

655  
00:30:41,890 --> 00:30:45,309  
treatment is an acceptable type of

656

00:30:43,509 --> 00:30:47,769  
therapy when practiced by trained vets

657  
00:30:45,308 --> 00:30:49,450  
you only have to look on our website and

658  
00:30:47,769 --> 00:30:51,160  
you will see examples of where dogs have

659  
00:30:49,450 --> 00:30:54,130  
been cured of cancer through homeopathy

660  
00:30:51,160 --> 00:30:56,880  
by and large people who oppose it just

661  
00:30:54,130 --> 00:30:56,880  
have an axe to grind

662  
00:30:58,190 --> 00:31:03,420  
continuing on with homeopathy this story

663  
00:31:01,259 --> 00:31:08,099  
comes to us from medical daily at

664  
00:31:03,420 --> 00:31:11,550  
Medical daily.com alternative medicine

665  
00:31:08,099 --> 00:31:14,789  
homeopathy remedies no more effective

666  
00:31:11,549 --> 00:31:18,599  
than placebo sugar pills by lizette

667  
00:31:14,789 --> 00:31:21,240  
borreli every year during the flu or

668  
00:31:18,599 --> 00:31:23,429  
allergy season we see dozens of people

669  
00:31:21,240 --> 00:31:25,319  
lined up outside health stores looking

670  
00:31:23,430 --> 00:31:29,340

for healing alternatives to traditional

671

00:31:25,319 --> 00:31:32,819

medicine despite homeopathy questionable

672

00:31:29,339 --> 00:31:36,059

reputation 3.3 million Americans have

673

00:31:32,819 --> 00:31:38,069

spent about 3 billion dollars on

674

00:31:36,059 --> 00:31:40,379

homeopathic remedies this begs the

675

00:31:38,069 --> 00:31:43,049

question could homeopathy hold the key

676

00:31:40,380 --> 00:31:46,380

to the future of medicine or is it just

677

00:31:43,049 --> 00:31:48,569

quackery in the latest reactions video a

678

00:31:46,380 --> 00:31:50,670

series by the american chemical society

679

00:31:48,569 --> 00:31:52,919

scientists have shown while homeopathy

680

00:31:50,670 --> 00:31:56,279

has been around for about 200 years

681

00:31:52,920 --> 00:31:58,580

science has progressed and gradually

682

00:31:56,279 --> 00:32:01,319

attempted to undermine the three

683

00:31:58,579 --> 00:32:04,230

foundations of this alternative medicine

684

00:32:01,319 --> 00:32:07,230

quote homeopathic medicines are based on

685  
00:32:04,230 --> 00:32:09,809  
a few theories of disease distinct from

686  
00:32:07,230 --> 00:32:12,000  
conventional medicine unquote according

687  
00:32:09,809 --> 00:32:15,299  
to reactions the most popular of these

688  
00:32:12,000 --> 00:32:17,190  
theories is like cures like the

689  
00:32:15,299 --> 00:32:19,950  
principle behind this belief is we can

690  
00:32:17,190 --> 00:32:23,730  
cure what ails us with the exact thing

691  
00:32:19,950 --> 00:32:26,580  
that ails us the idea is if something

692  
00:32:23,730 --> 00:32:29,789  
gives us a rash the same thing can be

693  
00:32:26,579 --> 00:32:32,339  
used to treat the rash German doctor

694  
00:32:29,789 --> 00:32:35,639  
Samuel Hahnemann who first coined the

695  
00:32:32,339 --> 00:32:38,970  
term homeopathy in 1807 believed when a

696  
00:32:35,640 --> 00:32:42,300  
substance in larger doses causes certain

697  
00:32:38,970 --> 00:32:45,360  
symptoms in small doses it can cure

698  
00:32:42,299 --> 00:32:47,190  
those same symptoms for example a

699

00:32:45,359 --> 00:32:50,669

homeopathic remedy for sleeping

700

00:32:47,190 --> 00:32:52,980

difficulty is coffee kruder very diluted

701

00:32:50,670 --> 00:32:56,220

amounts of unroasted coffee beans

702

00:32:52,980 --> 00:32:58,920

solution reducing and concentrating of

703

00:32:56,220 --> 00:33:01,920

something is the second principle of

704

00:32:58,920 --> 00:33:04,529

homeopathy Hanuman thought a sick person

705

00:33:01,920 --> 00:33:06,450

only needed a very small amount of an

706

00:33:04,529 --> 00:33:07,319

active ingredient to cure their ailments

707

00:33:06,450 --> 00:33:11,069

he

708

00:33:07,319 --> 00:33:14,579

used a dilution scale that increased by

709

00:33:11,069 --> 00:33:18,269

factors of 100 a scale denoted by the

710

00:33:14,579 --> 00:33:20,819

letter C the C is usually seen on a

711

00:33:18,269 --> 00:33:23,430

homeopathic label so typically when it

712

00:33:20,819 --> 00:33:26,429

comes to making coffee cooter put one

713

00:33:23,430 --> 00:33:29,340  
drop in a vial containing a 9 drops of

714  
00:33:26,430 --> 00:33:31,529  
water then take a drop from that file

715  
00:33:29,339 --> 00:33:35,129  
and put it into another vial with 9

716  
00:33:31,529 --> 00:33:37,410  
drops of water 60 times however by the

717  
00:33:35,130 --> 00:33:42,500  
sixtieth vial we would have deluded your

718  
00:33:37,410 --> 00:33:44,640  
coffee so much that there isn't any left

719  
00:33:42,500 --> 00:33:49,019  
statistically speaking beyond the

720  
00:33:44,640 --> 00:33:52,140  
dilution of 13 C researchers have zero

721  
00:33:49,019 --> 00:33:54,450  
chance of finding a single molecule of

722  
00:33:52,140 --> 00:33:57,090  
the active ingredients in the vial

723  
00:33:54,450 --> 00:33:59,309  
however during his time the concept of

724  
00:33:57,089 --> 00:34:01,429  
atoms and molecules as fundamental units

725  
00:33:59,309 --> 00:34:03,899  
of matter wasn't really developed

726  
00:34:01,430 --> 00:34:05,700  
Hanuman didn't know we could dilute

727  
00:34:03,900 --> 00:34:07,590

something until it's effectively gone

728

00:34:05,700 --> 00:34:09,750

lasting the third principle of

729

00:34:07,589 --> 00:34:12,750

homeopathy is water can somehow remember

730

00:34:09,750 --> 00:34:15,239

what has dissolved in it and passed the

731

00:34:12,750 --> 00:34:18,389

effects of those apps and molecules onto

732

00:34:15,239 --> 00:34:20,250

us however there has been no evidence

733

00:34:18,389 --> 00:34:22,349

for this phenomenon which goes against

734

00:34:20,250 --> 00:34:24,599

the principles of physical science in a

735

00:34:22,349 --> 00:34:26,539

2015 report from the Australian National

736

00:34:24,599 --> 00:34:28,769

Health and Medical Research Council

737

00:34:26,539 --> 00:34:30,960

researchers reviewed the results of

738

00:34:28,769 --> 00:34:33,329

about 200 studies on the effectiveness

739

00:34:30,960 --> 00:34:35,250

of homeopathy after looking at the

740

00:34:33,329 --> 00:34:38,369

evidence they concluded homeopathic

741

00:34:35,250 --> 00:34:41,340

remedies are no better than a sugar pill

742  
00:34:38,369 --> 00:34:43,469  
or a placebo the studies that did show

743  
00:34:41,340 --> 00:34:46,260  
the benefits of homeopathy had flawed

744  
00:34:43,469 --> 00:34:49,399  
methodologies further the United States

745  
00:34:46,260 --> 00:34:52,080  
National Institutes of Health states are

746  
00:34:49,400 --> 00:34:54,269  
several key concepts of homeopathy are

747  
00:34:52,079 --> 00:34:57,059  
inconsistent with the fundamental

748  
00:34:54,269 --> 00:34:59,009  
concepts of chemistry and physics there

749  
00:34:57,059 --> 00:35:00,809  
are significant challenges in carrying

750  
00:34:59,010 --> 00:35:03,720  
out rigorous clinical research on

751  
00:35:00,809 --> 00:35:06,239  
homeopathic remedies end quote it seems

752  
00:35:03,719 --> 00:35:10,289  
the idea to cure what ails us with

753  
00:35:06,239 --> 00:35:12,739  
whatever ails us isn't foolproof after

754  
00:35:10,289 --> 00:35:17,989  
all and that report comes to us from

755  
00:35:12,739 --> 00:35:17,989  
medical daily at Medical daily.com

756  
00:35:31,760 --> 00:35:37,470  
back watch your guide to quackery health

757  
00:35:34,679 --> 00:35:40,619  
fraud and intelligent decisions operated

758  
00:35:37,469 --> 00:35:42,779  
by stephen barrett md quite watch is now

759  
00:35:40,619 --> 00:35:43,920  
an international network of people who

760  
00:35:42,780 --> 00:35:46,440  
are concerned about health-related

761  
00:35:43,920 --> 00:35:49,409  
frauds myths fads fallacies and

762  
00:35:46,440 --> 00:35:51,960  
misconduct its primary focus is on

763  
00:35:49,409 --> 00:35:53,879  
quackery related information that is

764  
00:35:51,960 --> 00:35:57,269  
difficult or impossible to get elsewhere

765  
00:35:53,880 --> 00:36:01,019  
articles on quackery include quackery

766  
00:35:57,269 --> 00:36:04,440  
how should it be defined how it sells 26

767  
00:36:01,019 --> 00:36:07,139  
ways to spot it how it harms cancer

768  
00:36:04,440 --> 00:36:09,539  
patients 7 warning signs for bogus

769  
00:36:07,139 --> 00:36:13,109  
science why health professionals become

770

00:36:09,539 --> 00:36:15,170  
quacks and many more including in-depth

771  
00:36:13,110 --> 00:36:18,829  
looks at acupuncture chiropractic

772  
00:36:15,170 --> 00:36:24,950  
homeopathy naturopathy and much more

773  
00:36:18,829 --> 00:36:24,949  
visit w WH watch com

774  
00:36:41,489 --> 00:36:45,068  
thank you for listening to the skeptic

775  
00:36:43,838 --> 00:36:47,710  
zone and thank you to those people

776  
00:36:45,068 --> 00:36:50,108  
there's new people new to the fold so to

777  
00:36:47,710 --> 00:36:52,510  
speak over the last couple of weeks the

778  
00:36:50,108 --> 00:36:54,130  
numbers are really skyrocketing thank

779  
00:36:52,510 --> 00:36:56,019  
you very much i think that's largely due

780  
00:36:54,130 --> 00:36:57,730  
to me being on the skeptics guide to the

781  
00:36:56,018 --> 00:37:00,308  
universe podcast a few weeks ago and

782  
00:36:57,730 --> 00:37:02,230  
passing the 400 episodes for the skeptic

783  
00:37:00,309 --> 00:37:03,940  
zone but welcome all the new listeners

784  
00:37:02,230 --> 00:37:06,449

and thank you some of those new

785

00:37:03,940 --> 00:37:09,490  
listeners indeed have signed up to the

786

00:37:06,449 --> 00:37:10,750  
patreon skeptics on patreon to become

787

00:37:09,489 --> 00:37:12,759  
patrons of the skeptics earn I

788

00:37:10,750 --> 00:37:14,230  
appreciate that very much and I've set

789

00:37:12,760 --> 00:37:15,760  
out a few goodies to some people who

790

00:37:14,230 --> 00:37:17,920  
have just signed up thank you I'm sure

791

00:37:15,760 --> 00:37:20,528  
you'll enjoy the DVD and the signed

792

00:37:17,920 --> 00:37:22,838  
goodies from James Randi in the the

793

00:37:20,528 --> 00:37:24,730  
folded origami Flying Pig and if you

794

00:37:22,838 --> 00:37:27,429  
want to be a patron of the skeptic zone

795

00:37:24,730 --> 00:37:31,210  
fire patron or just simply via paypal

796

00:37:27,429 --> 00:37:33,308  
micropayments visit skeptic zone TV and

797

00:37:31,210 --> 00:37:36,159  
also the skeptic zone is available

798

00:37:33,309 --> 00:37:39,039  
through stitcher and tune in the popular

799  
00:37:36,159 --> 00:37:41,409  
radio app coming up on the skeptic zone

800  
00:37:39,039 --> 00:37:44,230  
I don't know I think we'll have to use

801  
00:37:41,409 --> 00:37:45,518  
our predictions will try to predict who

802  
00:37:44,230 --> 00:37:49,630  
the next prime minister of australia

803  
00:37:45,518 --> 00:37:53,288  
will be i predict it'll be i'm not even

804  
00:37:49,630 --> 00:37:57,278  
going there we have no idea me yeah i

805  
00:37:53,289 --> 00:37:59,170  
might have a go at folks may not may not

806  
00:37:57,278 --> 00:38:02,230  
may not for Prime Minister I like that

807  
00:37:59,170 --> 00:38:04,298  
idea even better hmm but anyway for this

808  
00:38:02,230 --> 00:38:11,019  
week this is Richard Saunders signing

809  
00:38:04,298 --> 00:38:12,690  
off from Sydney Australia you've been

810  
00:38:11,018 --> 00:38:16,179  
listening to the skeptics own podcast

811  
00:38:12,690 --> 00:38:19,269  
visit our website at wwc a petting zoo

812  
00:38:16,179 --> 00:38:23,139  
TV for contacts an archive of all

813  
00:38:19,268 --> 00:38:25,449  
episodes since 2008 and our online store

814  
00:38:23,139 --> 00:38:28,170  
please support the skeptic zone by

815  
00:38:25,449 --> 00:38:31,179  
following us on twitter at skeptic zone

816  
00:38:28,170 --> 00:38:34,240  
liking us on facebook and leaving a

817  
00:38:31,179 --> 00:38:37,088  
review on iTunes you can also show your

818  
00:38:34,239 --> 00:38:40,568  
support by subscribing via paypal for as

819  
00:38:37,088 --> 00:38:42,909  
little as 99 cents a week the skeptic

820  
00:38:40,568 --> 00:38:44,619  
zone is an independent production the

821  
00:38:42,909 --> 00:38:46,690  
views and opinions expressed on the

822  
00:38:44,619 --> 00:38:49,380  
skeptic zone and not necessarily those

823  
00:38:46,690 --> 00:38:50,909  
of Australian skeptic Inc or any other

824  
00:38:49,380 --> 00:38:53,210  
skeptical organ

825  
00:38:50,909 --> 00:38:53,210  
asian

826  
00:38:53,929 --> 00:38:55,989  
you