THE SKEPTIC ZONE PODCAST

www.skepticzone.tv

Show 520

7 Oct 2018

Carrie Poppy

Carrie Poppy
heading to Australia

Cats, cats, cats and more cats
with Maynard

Shonky Awards for
Homeopathy and
Magnetic Blankets

SHONKYS

1
00:00:11,910 --> 00:00:09,080
welcome to the skeptic zone the podcast

2
00:00:22,980 --> 00:00:11,920
from Australia for science and reason

3
00:00:25,840 --> 00:00:22,990
[Music]

4
00:00:29,560 --> 00:00:25,850
hello and welcome to the skeptic Zone

5
00:00:32,740 --> 00:00:29,570
episode number 524 the 7th of October

6
00:00:35,380 --> 00:00:32,750
2018 Richardson is here with you from

7
00:00:38,160 --> 00:00:35,390
Sydney Australia and we are all very

8
00:00:40,810 --> 00:00:38,170
excited because our first guest for

9
00:00:42,460 --> 00:00:40,820
skeptic on the Australian skeptics

10
00:00:44,290 --> 00:00:42,470
National Convention arrives in a couple

11
00:00:47,320 --> 00:00:44,300
of days Yvette dong from on this side

12
00:00:50,380 --> 00:00:47,330
babe and by the way she'll be on dr.

13
00:00:53,740 --> 00:00:50,390

Kyle chrysalis Keys Thursday science

14
00:00:56,410 --> 00:00:53,750
radio day including triple j ABC

15
00:00:59,590 --> 00:00:56,420
regional Victoria Tasmania Western

16
00:01:02,470 --> 00:00:59,600
Australia as well as she'll be doing a

17
00:01:04,899 --> 00:01:02,480
turn on the BBC and a podcast she's in

18
00:01:06,310 --> 00:01:04,909
for a busy day you can join Yvette Don

19
00:01:08,200 --> 00:01:06,320
Freemont by the way and all our other

20
00:01:10,180 --> 00:01:08,210
guests from the convention at a free

21
00:01:12,280 --> 00:01:10,190
night the free meet and greet at the

22
00:01:14,740 --> 00:01:12,290
Occidental hotel here in Sydney at

23
00:01:16,719 --> 00:01:14,750
Wynyard plus the trivia night we're

24
00:01:19,660 --> 00:01:16,729
gonna have a trivia night former team

25
00:01:21,069 --> 00:01:19,670
come along cash prizes on the night and

26
00:01:22,920 --> 00:01:21,079
that will be hosted by myself

27
00:01:26,770 --> 00:01:22,930
Lara Benham from the skeptics and

28
00:01:28,090 --> 00:01:26,780
Maynard looking forward to that links in

29
00:01:31,030 --> 00:01:28,100
this week's show notes so you can

30
00:01:33,130 --> 00:01:31,040
register for that free night should be a

31
00:01:35,350 --> 00:01:33,140
lot of fun and we hope we can see you

32
00:01:37,630 --> 00:01:35,360
there but coming up on this week's show

33
00:01:39,249 --> 00:01:37,640
another one of the guests from skeptic

34
00:01:41,560 --> 00:01:39,259
on who will be arriving in a few days

35
00:01:43,779 --> 00:01:41,570
Kari poppy from the oh no Ross and

36
00:01:46,240 --> 00:01:43,789
Carrie podcast she's going to be telling

37
00:01:48,459 --> 00:01:46,250
us what to expect at her talk at skeptic

38
00:01:51,670 --> 00:01:48,469

on but also more about the podcast

39
00:01:54,429 --> 00:01:51,680
itself they show up so we don't have to

40
00:01:58,029 --> 00:01:54,439
following that maenad spooky cat action

41
00:02:00,639 --> 00:01:58,039
Maynard chats to dr. Christy 6l about

42
00:02:03,459 --> 00:02:00,649
cats now she is from the Sydney animal

43
00:02:05,830 --> 00:02:03,469
behavior services and she knows more

44
00:02:07,630 --> 00:02:05,840
about cats and I know more about cats

45
00:02:09,130 --> 00:02:07,640
and you know more about cats than may

46
00:02:11,650 --> 00:02:09,140
not knows more about cats she knows a

47
00:02:14,800 --> 00:02:11,660
lot about cats why do cats do the things

48
00:02:16,660 --> 00:02:14,810
they do we often wonder if you're a cat

49
00:02:17,980 --> 00:02:16,670
lover or you don't love cats you'll find

50
00:02:19,780 --> 00:02:17,990
this interview very interesting

51
00:02:23,350 --> 00:02:19,790
following that a bit of news about the

52
00:02:27,040 --> 00:02:23,360
dinner meeting the skeptic on dinner I

53
00:02:29,920 --> 00:02:27,050
should say we have a announcement of the

54
00:02:32,410 --> 00:02:29,930
host the emcee for the night then

55
00:02:34,660 --> 00:02:32,420
report on the recent shonky awards by

56
00:02:36,520 --> 00:02:34,670
choice magazine these are the wards

57
00:02:39,550 --> 00:02:36,530
given out to dodgy products products

58
00:02:40,959 --> 00:02:39,560
that don't work dangerous products of

59
00:02:42,729 --> 00:02:40,969
particular interest this year to

60
00:02:45,339 --> 00:02:42,739
skeptics to other products one is

61
00:02:47,740 --> 00:02:45,349
magnetic therapy and the other one is

62
00:02:49,539 --> 00:02:47,750
homeopathic then de round off the show

63
00:02:51,640 --> 00:02:49,549

and interesting interview Manor does

64
00:02:54,240 --> 00:02:51,650
with David Rosenberg who was the

65
00:02:56,559 --> 00:02:54,250
technical consultant on a new ABC

66
00:03:01,259 --> 00:02:56,569
dramatization here in Australia about

67
00:03:04,240 --> 00:03:01,269
Pine Gap spies and satellite information

68
00:03:06,460 --> 00:03:04,250
intelligence-gathering very interesting

69
00:03:08,649 --> 00:03:06,470
man indeed he'll be the guest speaker at

70
00:03:11,409 --> 00:03:08,659
skeptics in the pub here in Sydney next

71
00:03:14,259 --> 00:03:11,419
month by the way now Pine Gap is of

72
00:03:16,240 --> 00:03:14,269
interest to skeptics because many well I

73
00:03:19,449 --> 00:03:16,250
want to say many some at least people in

74
00:03:23,440 --> 00:03:19,459
this country think that it's a secret

75
00:03:26,349 --> 00:03:23,450
base for UFOs it's really a an american

76
00:03:27,550 --> 00:03:26,359
australian joint information gathering

77
00:03:29,890 --> 00:03:27,560
facility right in the middle of

78
00:03:31,959 --> 00:03:29,900
australia near alice springs but i have

79
00:03:35,379 --> 00:03:31,969
been to a talk where the person on the

80
00:03:39,610 --> 00:03:35,389
stage said that they have alien clone

81
00:03:43,180 --> 00:03:39,620
robots there i'm not making that up

82
00:03:46,149 --> 00:03:43,190
Pine Gap the TV series and reality

83
00:03:48,069 --> 00:03:46,159
coming up later on with Maynard but now

84
00:03:49,719 --> 00:03:48,079
it's time for me to run downstairs try

85
00:03:52,599 --> 00:03:49,729
something I saw on the internet which is

86
00:03:56,580 --> 00:03:52,609
whipping up and beating up an egg or a

87
00:03:59,830 --> 00:03:56,590
couple of eggs then drizzling them onto

88
00:04:03,610 --> 00:03:59,840

a pan of hot oil in a sort of crisscross

89
00:04:05,170 --> 00:04:03,620
lattice formation letting that cook a

90
00:04:08,740 --> 00:04:05,180
little bit then rolling that up

91
00:04:11,060 --> 00:04:08,750
I wonder if that'll work well I try that

92
00:04:18,600 --> 00:04:11,070
I hope you enjoy the skeptic zone

93
00:04:21,410 --> 00:04:18,610
[Music]

94
00:04:29,310 --> 00:04:21,420
[Applause]

95
00:04:32,410 --> 00:04:29,320
[Music]

96
00:04:34,780 --> 00:04:32,420
and joining me now from Hollywood

97
00:04:37,600 --> 00:04:34,790
yes Hollywood it's hairy puppy from oh

98
00:04:41,200 --> 00:04:37,610
no Ross and Carrie podcast hello Carrie

99
00:04:43,720 --> 00:04:41,210
hi Richard how are you I'm so well today

100
00:04:45,490 --> 00:04:43,730
I'm excited because our convention is

101
00:04:47,110 --> 00:04:45,500
just around the corner skeptic on and

102
00:04:49,410 --> 00:04:47,120
you're coming out you're coming out to

103
00:04:53,460 --> 00:04:49,420
Australia for the first time I believe

104
00:04:55,350 --> 00:04:53,470
yes I fully expect it not to be there

105
00:04:58,920 --> 00:04:55,360
what have you heard

106
00:05:02,080 --> 00:04:58,930
well the flat-earthers tell me that

107
00:05:04,060 --> 00:05:02,090
Australia is just an invention of the US

108
00:05:07,630 --> 00:05:04,070
government of course it's our government

109
00:05:09,670 --> 00:05:07,640
of course and that really when you think

110
00:05:12,370 --> 00:05:09,680
you're going to Australia you're

111
00:05:16,810 --> 00:05:12,380
actually being sent to I believe it's

112
00:05:18,850 --> 00:05:16,820
South America yes and your whole

113
00:05:21,730 --> 00:05:18,860

continent just doesn't exist it's part

114
00:05:23,920 --> 00:05:21,740
of the whole ball earth scam

115
00:05:27,010 --> 00:05:23,930
ah well interesting you should say that

116
00:05:31,600 --> 00:05:27,020
because as it happens once upon a time

117
00:05:46,420 --> 00:05:31,610
Australia and South America would joined

118
00:05:48,159 --> 00:05:46,430
Oh Touche you're right and the reason

119
00:05:49,990 --> 00:05:48,169
they know that is because there's

120
00:05:52,240 --> 00:05:50,000
ancient platypus fossils or the

121
00:05:58,090 --> 00:05:52,250
ancestors of platypus fossils in South

122
00:06:01,840 --> 00:05:58,100
America that's that's yeah is Australia

123
00:06:04,780 --> 00:06:01,850
overrun with platypi oh yeah yeah it's

124
00:06:07,870 --> 00:06:04,790
getting pretty bad we've got plans light

125
00:06:09,460 --> 00:06:07,880
catches we've been I've seen two or

126
00:06:12,370 --> 00:06:09,470
three in the wall in my whole life

127
00:06:15,330 --> 00:06:12,380
mostly in zoos however they're so cat

128
00:06:18,190 --> 00:06:15,340
they're so cute and they're tiny and

129
00:06:21,190 --> 00:06:18,200
when you visit you might be able to see

130
00:06:24,550 --> 00:06:21,200
one for yourself oh yeah I mean the

131
00:06:25,110 --> 00:06:24,560
platypus is so crazy it what are you are

132
00:06:32,909 --> 00:06:25,120
you

133
00:06:35,219 --> 00:06:32,919
the males have poisonous spikes oh is

134
00:06:37,860 --> 00:06:35,229
that right you think it gets pretty vert

135
00:06:39,210 --> 00:06:37,870
everything now for those people who

136
00:06:41,520 --> 00:06:39,220
don't know and there can't be many of

137
00:06:43,920 --> 00:06:41,530
those about oh no Ross and Carrie

138
00:06:45,540 --> 00:06:43,930

because you know Carrie I just I was

139
00:06:48,030 --> 00:06:45,550
having a think before chatting to you

140
00:06:50,790 --> 00:06:48,040
and I remember interviewing you and Ross

141
00:06:52,830 --> 00:06:50,800
in Las Vegas you know hotel room many

142
00:06:54,840 --> 00:06:52,840
years ago because you are starting a

143
00:06:56,280 --> 00:06:54,850
great new podcast called vile oh no Ross

144
00:06:58,680 --> 00:06:56,290
and Carrie all you just started or

145
00:07:00,270 --> 00:06:58,690
something like that but for the people

146
00:07:02,300 --> 00:07:00,280
who may not have caught up with that

147
00:07:04,650 --> 00:07:02,310
what's the general idea of your podcast

148
00:07:08,490 --> 00:07:04,660
sure so we've been doing it for seven

149
00:07:10,680 --> 00:07:08,500
years and that was that was 2011 and we

150
00:07:13,620 --> 00:07:10,690
had started it that March and I think

151
00:07:16,590 --> 00:07:13,630
our interview with you was that July so

152
00:07:19,950 --> 00:07:16,600
we were very very much babies at the

153
00:07:22,529 --> 00:07:19,960
time but this shows an investigative

154
00:07:24,629 --> 00:07:22,539
journalism podcast and what we do is we

155
00:07:27,090 --> 00:07:24,639
investigate all sorts of extraordinary

156
00:07:29,010 --> 00:07:27,100
claims by taking part ourselves so

157
00:07:31,170 --> 00:07:29,020
sometimes we go undercover

158
00:07:33,529 --> 00:07:31,180
we joins the Church of Scientology for a

159
00:07:37,080 --> 00:07:33,539
couple months we joins the Mormon Church

160
00:07:38,730 --> 00:07:37,090
but then other times we will just try

161
00:07:41,270 --> 00:07:38,740
anything that's kind of off the beaten

162
00:07:45,510 --> 00:07:41,280
path for ourselves and that might mean

163
00:07:48,150 --> 00:07:45,520

getting fire cupping or doing ear

164
00:07:49,980 --> 00:07:48,160
candling or trying some new weight-loss

165
00:07:52,409 --> 00:07:49,990
method that seems a little questionable

166
00:07:54,810 --> 00:07:52,419
and we let ourselves be the guinea pigs

167
00:07:57,600 --> 00:07:54,820
for all these things and try with a

168
00:08:00,120 --> 00:07:57,610
sample size of two to see how much it

169
00:08:02,850 --> 00:08:00,130
really holds water you must have had

170
00:08:04,439 --> 00:08:02,860
some remarkable experiences and I don't

171
00:08:06,600 --> 00:08:04,449
want to spoil anything for our

172
00:08:09,000 --> 00:08:06,610
convention audiences cuz I'm sure

173
00:08:10,710 --> 00:08:09,010
they'll be really looking forward to

174
00:08:12,719 --> 00:08:10,720
some of the more bizarre things that

175
00:08:14,219 --> 00:08:12,729
you've gone through but it's interesting

176
00:08:16,560 --> 00:08:14,229
you do try all these things like

177
00:08:18,180 --> 00:08:16,570
alternative medicine you must have met

178
00:08:24,210 --> 00:08:18,190
some pretty interesting people along the

179
00:08:28,490 --> 00:08:24,220
way to believe truly extraordinary

180
00:08:32,310 --> 00:08:28,500
things and and it does seem like each

181
00:08:34,740 --> 00:08:32,320
modality or each belief system attracts

182
00:08:36,630 --> 00:08:34,750
a different kind of person I feel like a

183
00:08:38,519 --> 00:08:36,640
very different person is attracted to

184
00:08:42,420 --> 00:08:38,529
say Scientology as a

185
00:08:47,579 --> 00:08:42,430
- the self-realization fellowship which

186
00:08:50,910 --> 00:08:47,589
is an Eastern philosophy but at the same

187
00:08:53,850 --> 00:08:50,920
time I hate to say cuz it's such a warm

188
00:08:56,100 --> 00:08:53,860

and fuzzy obvious thing to say but it is

189
00:08:57,600 --> 00:08:56,110
true the more you hang out with all

190
00:09:00,420 --> 00:08:57,610
these groups the more you realize oh

191
00:09:03,179 --> 00:09:00,430
these are normal people we all have

192
00:09:06,389 --> 00:09:03,189
these wants and desires for community

193
00:09:08,460 --> 00:09:06,399
and belonging and for sort of a silver

194
00:09:11,280 --> 00:09:08,470
bullet that's going to cure our problems

195
00:09:13,079 --> 00:09:11,290
and it really humbles you it really

196
00:09:15,090 --> 00:09:13,089
makes you realize oh I'm not smarter

197
00:09:17,460 --> 00:09:15,100
than these people just because maybe

198
00:09:20,269 --> 00:09:17,470
I've realized this one thing that they

199
00:09:23,340 --> 00:09:20,279
believe you know isn't based in fact

200
00:09:26,040 --> 00:09:23,350
yeah you make of an excellent point Kari

201
00:09:28,499 --> 00:09:26,050
and you would also I imagine find people

202
00:09:31,499 --> 00:09:28,509
along your adventures who would look at

203
00:09:35,069 --> 00:09:31,509
other people in other groups as being

204
00:09:37,980 --> 00:09:35,079
the crazy ones yeah yeah there's some of

205
00:09:40,619 --> 00:09:37,990
that and some groups are better about it

206
00:09:43,980 --> 00:09:40,629
than others I think of the Mormons were

207
00:09:47,160 --> 00:09:43,990
actually very self-aware about that they

208
00:09:50,160 --> 00:09:47,170
would say oh well you know every

209
00:09:52,559 --> 00:09:50,170
religion has some bit of truth in it and

210
00:09:55,379 --> 00:09:52,569
they compared it to a bolt of lightning

211
00:09:57,150 --> 00:09:55,389
that lights up the sky for a second and

212
00:09:58,379 --> 00:09:57,160
for a second you can see everything

213
00:10:00,900 --> 00:09:58,389

around you and then it goes dark again

214
00:10:02,429 --> 00:10:00,910
and they said religions like that it may

215
00:10:04,740 --> 00:10:02,439
give you these sort of flashes of

216
00:10:06,179 --> 00:10:04,750
awareness and every religion does that

217
00:10:09,480 --> 00:10:06,189
we just happen to take ours gives a

218
00:10:12,199 --> 00:10:09,490
little more light so you know that that

219
00:10:14,790 --> 00:10:12,209
was a much more humble perspective

220
00:10:18,059 --> 00:10:14,800
though at the end of the day they still

221
00:10:20,400 --> 00:10:18,069
say they were the most right ones right

222
00:10:24,269 --> 00:10:20,410
and but then there would be out there

223
00:10:28,199 --> 00:10:24,279
are other groups that would full-on mock

224
00:10:31,290 --> 00:10:28,209
a group that to me seems to be pitching

225
00:10:34,619 --> 00:10:31,300
a pretty similar idea to their own so

226
00:10:37,499 --> 00:10:34,629
for example the a serious society which

227
00:10:39,540 --> 00:10:37,509
is a UFO believing religious group they

228
00:10:40,370 --> 00:10:39,550
would make fun of the Raelians oh these

229
00:10:42,440 --> 00:10:40,380
praise

230
00:10:45,050 --> 00:10:42,450
Balian so how can they believe what they

231
00:10:47,990 --> 00:10:45,060
believe well the Raelians also believe

232
00:10:50,540 --> 00:10:48,000
that dead aliens communicate with us and

233
00:10:53,060 --> 00:10:50,550
that they seeded humanity and to me

234
00:10:55,400 --> 00:10:53,070
their belief systems were looked very

235
00:10:58,370 --> 00:10:55,410
very similar but to one another

236
00:11:01,160 --> 00:10:58,380
Oh outrageous yeah that's that's quite

237
00:11:05,090 --> 00:11:01,170
interesting now how do you and Ross

238
00:11:09,740 --> 00:11:05,100

decide what to look at or what adventure

239
00:11:11,380 --> 00:11:09,750
to do next oh boy it's it's a bunch of

240
00:11:15,080 --> 00:11:11,390
different factors that come together

241
00:11:17,330 --> 00:11:15,090
there we have this list this master list

242
00:11:19,310 --> 00:11:17,340
of potential investigations we call it

243
00:11:22,160 --> 00:11:19,320
it's a Google Doc we both share and

244
00:11:26,180 --> 00:11:22,170
right now I want to say it's 14 pages

245
00:11:29,450 --> 00:11:26,190
long single single spaced so we will

246
00:11:32,330 --> 00:11:29,460
never run out but we're constantly given

247
00:11:35,320 --> 00:11:32,340
suggestions from our listeners we

248
00:11:37,820 --> 00:11:35,330
probably get a dozen a day I'd say oh

249
00:11:42,010 --> 00:11:37,830
yeah recommendations of things and we

250
00:11:44,480 --> 00:11:42,020
still hear new things all the time so

251
00:11:48,350 --> 00:11:44,490
we'll kind of let those percolate in our

252
00:11:50,720 --> 00:11:48,360
mind but we really want to go after the

253
00:11:52,880 --> 00:11:50,730
things that get us excited because as

254
00:11:55,220 --> 00:11:52,890
I'm sure you know storytelling is the

255
00:11:59,330 --> 00:11:55,230
best when the person involved is excited

256
00:12:01,430 --> 00:11:59,340
about it so so we we look at our list

257
00:12:03,950 --> 00:12:01,440
and we also just look at what's going on

258
00:12:07,370 --> 00:12:03,960
in the area and and we just kind of let

259
00:12:09,440 --> 00:12:07,380
that guide us sometimes we will look at

260
00:12:11,390 --> 00:12:09,450
what's in the news and if it's something

261
00:12:14,480 --> 00:12:11,400
that's really pressing and we really

262
00:12:16,700 --> 00:12:14,490
want to give our perspective on that

263
00:12:20,540 --> 00:12:16,710

topic right away we'll do that but

264
00:12:22,370 --> 00:12:20,550
honestly that's that's more rare so yeah

265
00:12:24,650 --> 00:12:22,380
you know we're also both holding to the

266
00:12:27,110 --> 00:12:24,660
schedules of all of these teachers and

267
00:12:28,490 --> 00:12:27,120
gurus who travel around the world and

268
00:12:34,880 --> 00:12:28,500
sometimes we'll say oh they're coming

269
00:12:36,560 --> 00:12:34,890
tomorrow let's go now how as you said

270
00:12:38,690 --> 00:12:36,570
you've been doing this for quite a

271
00:12:40,250 --> 00:12:38,700
number of years now and I salute you for

272
00:12:43,370 --> 00:12:40,260
that I know what it's like to do a

273
00:12:45,620 --> 00:12:43,380
podcast year after year after year and I

274
00:12:46,970 --> 00:12:45,630
trust that you and Russ are still really

275
00:12:53,640 --> 00:12:46,980
really getting a lot out of it

276
00:12:55,530 --> 00:12:53,650
personally yeah yeah it's so fun me

277
00:12:57,360 --> 00:12:55,540
and so glad that we chose something that

278
00:12:59,060 --> 00:12:57,370
involves so much adventure because we're

279
00:13:03,450 --> 00:12:59,070
both just kind of adventure junkies and

280
00:13:06,329 --> 00:13:03,460
I yeah I mean it's it's always a blast

281
00:13:07,829 --> 00:13:06,339
yeah that's great that's good to hear

282
00:13:10,380 --> 00:13:07,839
and I think it comes across in the show

283
00:13:12,540 --> 00:13:10,390
that you have genuine interest in the

284
00:13:15,960 --> 00:13:12,550
topics you cover and the people you meet

285
00:13:19,590 --> 00:13:15,970
and and and and as you say you turn up

286
00:13:23,220 --> 00:13:19,600
so we don't have to yes that's right

287
00:13:25,170 --> 00:13:23,230
we recently we were kind of regretting

288
00:13:31,230 --> 00:13:25,180

showing up because we've been drinking

289
00:13:33,450 --> 00:13:31,240
our own urine for two weeks we didn't

290
00:13:37,200 --> 00:13:33,460
know would actually end up doing it but

291
00:13:39,930 --> 00:13:37,210
we few people had asked for it over the

292
00:13:42,350 --> 00:13:39,940
years and then during our fun drive last

293
00:13:45,240 --> 00:13:42,360
year we said okay okay if if we get

294
00:13:47,400 --> 00:13:45,250
4,000 new members will drink our own

295
00:13:50,250 --> 00:13:47,410
urine and we thought oh that's such a

296
00:13:59,160 --> 00:13:50,260
huge figure there's no way blew right

297
00:14:01,440 --> 00:13:59,170
past it Richard yes we do show up so you

298
00:14:05,579 --> 00:14:01,450
don't have to in some sense to our own

299
00:14:07,550 --> 00:14:05,589
detriment use official I don't know

300
00:14:10,110 --> 00:14:07,560
where to go now hang on a second

301
00:14:11,790 --> 00:14:10,120
you've got I've got the giggles now

302
00:14:14,070 --> 00:14:11,800
Carrie I was just gonna think well well

303
00:14:15,750 --> 00:14:14,080
skeptic zone listeners you don't have to

304
00:14:21,390 --> 00:14:15,760
worry about that I'm not about to offer

305
00:14:25,170 --> 00:14:21,400
that for more subscribe because no

306
00:14:27,449 --> 00:14:25,180
because you show up and we don't have to

307
00:14:29,280 --> 00:14:27,459
you do that crazy stuff so I can sit

308
00:14:30,540 --> 00:14:29,290
back and enjoy it and the listeners all

309
00:14:32,850 --> 00:14:30,550
around the world can sit back and enjoy

310
00:14:35,730 --> 00:14:32,860
Carrie where can people go to enjoy

311
00:14:38,490 --> 00:14:35,740
owner Ross and Carrie oh you know all

312
00:14:39,660 --> 00:14:38,500
the usual pod catchers have it if you'd

313
00:14:42,000 --> 00:14:39,670

like to listen to it right off the

314
00:14:44,760 --> 00:14:42,010
website though we're at maximum fun org

315
00:14:47,490 --> 00:14:44,770
and then you just pull down the show

316
00:14:49,949 --> 00:14:47,500
drop down menu and find us fantastic

317
00:14:52,920 --> 00:14:49,959
Carrie it's not long now and folks

318
00:14:54,300 --> 00:14:52,930
coming to skeptic on in Sydney or if

319
00:14:56,699 --> 00:14:54,310
you're thinking about it this is your

320
00:15:00,180 --> 00:14:56,709
chance to meet Carrie poppy from owner

321
00:15:02,010 --> 00:15:00,190
Ross and Carrie and hear firsthand a lot

322
00:15:04,310 --> 00:15:02,020
more about her crazy adventures with

323
00:15:06,740 --> 00:15:04,320
Ross and doing this wonderful podcast

324
00:15:09,070 --> 00:15:06,750
but for now carry puppy all the way over

325
00:15:23,780 --> 00:15:09,080
there in Hollywood thank you very much

326
00:15:25,760 --> 00:15:23,790
my pleasure hello listeners a maximum

327
00:15:27,770 --> 00:15:25,770
fun I want to tell you about our newest

328
00:15:29,540 --> 00:15:27,780
podcast that tells you all about the

329
00:15:31,100 --> 00:15:29,550
truth of the Flat Earth have you been

330
00:15:32,870 --> 00:15:31,110
looking out over the horizon and you've

331
00:15:35,240 --> 00:15:32,880
been thinking wait a minute this doesn't

332
00:15:38,330 --> 00:15:35,250
look round I've been lied to my whole

333
00:15:42,950 --> 00:15:38,340
life what is NASA doing with 52 million

334
00:15:46,460 --> 00:15:42,960
dollars a day oh come on we explode the

335
00:15:48,650 --> 00:15:46,470
myths just kidding we're oh no Ross and

336
00:15:50,990 --> 00:15:48,660
Carrie and we investigate extraordinary

337
00:15:53,360 --> 00:15:51,000
claims that's right we investigate

338
00:15:55,160 --> 00:15:53,370

extraordinary claims firsthand we go

339
00:15:57,620 --> 00:15:55,170
undercover in fringe groups we get

340
00:15:59,510 --> 00:15:57,630
alternative medicine treatments and we

341
00:16:01,910 --> 00:15:59,520
hang out with people who have unusual

342
00:16:04,040 --> 00:16:01,920
beliefs like flat earthers 9/11 truthers

343
00:16:06,200 --> 00:16:04,050
we do ghost investigations we've joined

344
00:16:08,180 --> 00:16:06,210
Scientology and we got baptized in the

345
00:16:08,480 --> 00:16:08,190
Mormon Church if it goes bump in the

346
00:16:12,590 --> 00:16:08,490
night

347
00:16:14,570 --> 00:16:12,600
then so do we hmm why don't you check

348
00:16:20,760 --> 00:16:14,580
out oh no Ross and Carrie at maximum fun

349
00:16:29,730 --> 00:16:25,720
years may not spooky action at a

350
00:16:34,150 --> 00:16:31,450
look one of the very interesting

351
00:16:36,820 --> 00:16:34,160
speakers here today was dr. Kersey 6l

352
00:16:38,019 --> 00:16:36,830
she was talking about cats and and what

353
00:16:39,640 --> 00:16:38,029
you can do with them and what you need

354
00:16:41,800 --> 00:16:39,650
and I certainly learned something being

355
00:16:43,030 --> 00:16:41,810
an on cat owner I think I made mother

356
00:16:44,800 --> 00:16:43,040
the right decision in not having one

357
00:16:47,230 --> 00:16:44,810
because if you're not home a lot cats

358
00:16:49,900 --> 00:16:47,240
get sad or annoyed or angry how do they

359
00:16:53,920 --> 00:16:49,910
go I think all animals need company

360
00:16:55,780 --> 00:16:53,930
humans same so I do I think you can be a

361
00:16:57,730 --> 00:16:55,790
cat owner or a dog owner and not be home

362
00:16:59,110 --> 00:16:57,740
a lot I mean I've traveled a lot around

363
00:17:00,430 --> 00:16:59,120

the world but I make sure that my

364
00:17:02,110 --> 00:17:00,440
animals are looked after either by my

365
00:17:04,630 --> 00:17:02,120
husband or somebody else or someone else

366
00:17:06,549 --> 00:17:04,640
there right yeah what is the one problem

367
00:17:08,559 --> 00:17:06,559
and things because I learnt many things

368
00:17:10,660 --> 00:17:08,569
about that first for most people have

369
00:17:12,100 --> 00:17:10,670
literature eyes that are too small they

370
00:17:14,169 --> 00:17:12,110
don't have enough of them and that's

371
00:17:16,569 --> 00:17:14,179
another thing in fact my dad had a cat

372
00:17:17,799 --> 00:17:16,579
tinker and tinker would just go poop in

373
00:17:19,990 --> 00:17:17,809
one litter tray and would want another

374
00:17:22,059 --> 00:17:20,000
trade so he had like four the decreased

375
00:17:24,040 --> 00:17:22,069
for one trick one cat so is that because

376
00:17:25,900 --> 00:17:24,050
he's learned that all do cats normally

377
00:17:27,579 --> 00:17:25,910
like to have fresh litter trays all the

378
00:17:28,780 --> 00:17:27,589
time oh yeah absolutely how often do you

379
00:17:31,720 --> 00:17:28,790
want to go to a toilet that hasn't been

380
00:17:32,890 --> 00:17:31,730
flushed but truly they do you know they

381
00:17:34,750 --> 00:17:32,900
need a little tray that's comfortable

382
00:17:36,220 --> 00:17:34,760
for them to get into if they're older in

383
00:17:37,780 --> 00:17:36,230
the bit arthritic then climbing over

384
00:17:39,580 --> 00:17:37,790
high sides it's going to be hard if

385
00:17:41,440 --> 00:17:39,590
you're tiny you need to get the one

386
00:17:43,210 --> 00:17:41,450
that's comfortable to get into and yet

387
00:17:44,590 --> 00:17:43,220
cleanly got to be large too like you

388
00:17:45,910 --> 00:17:44,600

were saying so if you go to a pet store

389
00:17:47,770 --> 00:17:45,920
there's probably going to be a litter

390
00:17:49,510 --> 00:17:47,780
tray that's not big enough absolutely we

391
00:17:51,130 --> 00:17:49,520
can't buy them in Australia yet but you

392
00:17:52,750 --> 00:17:51,140
know watch this face hopefully we're

393
00:17:54,970 --> 00:17:52,760
going to be able to do it but we can go

394
00:17:56,020 --> 00:17:54,980
to all sorts of times would you

395
00:17:58,419 --> 00:17:56,030
recommend if you're looking for

396
00:17:59,830 --> 00:17:58,429
something for a good eye for me I look

397
00:18:01,540 --> 00:17:59,840
for a litter tray that's one and a half

398
00:18:03,640 --> 00:18:01,550
times the length of the cat including

399
00:18:05,320 --> 00:18:03,650
the tail so that's fairly big and you

400
00:18:07,299 --> 00:18:05,330
know your daughter your dad story about

401
00:18:08,620 --> 00:18:07,309
the cat you know if there was small left

402
00:18:10,390 --> 00:18:08,630
litter trade maybe if it was large

403
00:18:11,140 --> 00:18:10,400
enough he could poop at one end and be

404
00:18:13,419 --> 00:18:11,150
at the other end

405
00:18:14,980 --> 00:18:13,429
but if it's dirty nobody likes them very

406
00:18:17,860 --> 00:18:14,990
much what do you think of the expensive

407
00:18:20,260 --> 00:18:17,870
solutions like plumbed laser activated

408
00:18:21,940 --> 00:18:20,270
things that cats can hop into and or

409
00:18:23,320 --> 00:18:21,950
teaching them to use a human toilet well

410
00:18:25,750 --> 00:18:23,330
there are those ideas a good one or not

411
00:18:27,520 --> 00:18:25,760
not it like either of those ideas I have

412
00:18:29,919 --> 00:18:27,530
one of my colleagues in fact who was a

413
00:18:31,150 --> 00:18:29,929

presenter on ABC radio who bought a cat

414
00:18:34,000 --> 00:18:31,160
automatic cleaning

415
00:18:35,590 --> 00:18:34,010
it's way expensive and it was best

416
00:18:36,760 --> 00:18:35,600
environmental enrichment for the cat in

417
00:18:38,470 --> 00:18:36,770
step in and get them all the good

418
00:18:39,750 --> 00:18:38,480
mechanics to work and step out and watch

419
00:18:41,670 --> 00:18:39,760
it all go and like

420
00:18:44,700 --> 00:18:41,680
ever used it for a litter tray but loved

421
00:18:46,410 --> 00:18:44,710
it as a toy and really if you know how

422
00:18:48,630 --> 00:18:46,420
cats when they eliminate they've got a

423
00:18:50,370 --> 00:18:48,640
dig a hole and then they've got a circle

424
00:18:52,020 --> 00:18:50,380
and dig a hole and circle and then they

425
00:18:54,060 --> 00:18:52,030
cover you can't do that on a human

426
00:18:55,680 --> 00:18:54,070
toilet so you actually stop normal

427
00:18:58,740 --> 00:18:55,690
behavior for cats and you can actually

428
00:19:00,270 --> 00:18:58,750
cause some problems so sounds good for

429
00:19:02,070 --> 00:19:00,280
us not good for the cat now obviously

430
00:19:03,510 --> 00:19:02,080
you've done a lot of behavioral looking

431
00:19:05,310 --> 00:19:03,520
at cats over these what's the strangest

432
00:19:06,780 --> 00:19:05,320
behavior you've noticed in a cat that

433
00:19:08,760 --> 00:19:06,790
maybe you're able to solve or go oh

434
00:19:09,810 --> 00:19:08,770
that's why that's doing hand you know

435
00:19:11,670 --> 00:19:09,820
it's a good question

436
00:19:13,530 --> 00:19:11,680
we don't really talk about animals

437
00:19:15,480 --> 00:19:13,540
having strange behaviors or such anymore

438
00:19:17,370 --> 00:19:15,490

because what I deal with animals mental

439
00:19:18,720 --> 00:19:17,380
health issues and it'd be like asking a

440
00:19:20,580 --> 00:19:18,730
psychiatrist what's the strangest

441
00:19:22,020 --> 00:19:20,590
behavior you've seen with a human with a

442
00:19:24,360 --> 00:19:22,030
mental health issue and you've been able

443
00:19:26,460 --> 00:19:24,370
to resolve so you know we see animals

444
00:19:29,040 --> 00:19:26,470
with obsessive-compulsive disorders we

445
00:19:31,170 --> 00:19:29,050
see animals that have all sorts of other

446
00:19:33,600 --> 00:19:31,180
anxieties or post-traumatic stress

447
00:19:35,700 --> 00:19:33,610
disorder we see all that and so we can

448
00:19:37,170 --> 00:19:35,710
help them all but they're you know it's

449
00:19:39,240 --> 00:19:37,180
the way they manifest is the way cats

450
00:19:40,890 --> 00:19:39,250
behave rather than the way that you know

451
00:19:44,370 --> 00:19:40,900
you and I might think of funny and

452
00:19:46,110 --> 00:19:44,380
there's some pretty awful things I think

453
00:19:47,850 --> 00:19:46,120
when you look on you know funny cat

454
00:19:49,860 --> 00:19:47,860
videos when I look at them and I say to

455
00:19:52,110 --> 00:19:49,870
you that's not funny at all that poor

456
00:19:55,110 --> 00:19:52,120
animal is really suffering what about

457
00:19:56,340 --> 00:19:55,120
like a clinical pharmaceutical

458
00:19:57,540 --> 00:19:56,350
intervention with animals I've always

459
00:19:59,070 --> 00:19:57,550
thought that's a bit odd because it's

460
00:20:00,420 --> 00:19:59,080
very hard to tell exactly what's going

461
00:20:02,970 --> 00:20:00,430
on because they can't tell you how they

462
00:20:04,470 --> 00:20:02,980
feel do you believe in like you know cat

463
00:20:07,320 --> 00:20:04,480

antidepressants or anything like that

464
00:20:09,750 --> 00:20:07,330
absolutely absolutely yeah absolutely

465
00:20:11,250 --> 00:20:09,760
20% of people have some sort of mental

466
00:20:14,130 --> 00:20:11,260
health disorder that's going to need

467
00:20:15,660 --> 00:20:14,140
some sort of intervention sometimes

468
00:20:18,210 --> 00:20:15,670
during their life the same with dogs and

469
00:20:20,630 --> 00:20:18,220
same with cats and we work a lot with

470
00:20:22,560 --> 00:20:20,640
pediatric psychiatrists and

471
00:20:24,240 --> 00:20:22,570
pharmaceuticals by themselves are not

472
00:20:25,830 --> 00:20:24,250
the answer by any stretch of the

473
00:20:28,530 --> 00:20:25,840
imagination so always when we have

474
00:20:30,750 --> 00:20:28,540
animals with issues we will do behavior

475
00:20:32,720 --> 00:20:30,760
modification with them teach that change

476
00:20:35,190 --> 00:20:32,730
their emotional response to things

477
00:20:36,900 --> 00:20:35,200
manage their environment as best we can

478
00:20:38,820 --> 00:20:36,910
so that you know if the cat's distressed

479
00:20:40,410 --> 00:20:38,830
because the litter tree is dirty boo the

480
00:20:42,660 --> 00:20:40,420
owner has to go and get a bigger litter

481
00:20:45,870 --> 00:20:42,670
tray clean it out more often but if they

482
00:20:47,040 --> 00:20:45,880
really have a psychological problem to

483
00:20:48,240 --> 00:20:47,050
the point where we have a neurochemical

484
00:20:50,460 --> 00:20:48,250
imbalance they

485
00:20:52,200 --> 00:20:50,470
often need to have psychotropic

486
00:20:54,390 --> 00:20:52,210
medication to help them do that

487
00:20:56,010 --> 00:20:54,400
can you take blood tests as any of blood

488
00:20:57,540 --> 00:20:56,020

markers from the animals you can do to

489
00:21:00,060 --> 00:20:57,550
help them but work out what the balance

490
00:21:01,830 --> 00:21:00,070
should be we don't do that routinely we

491
00:21:03,570 --> 00:21:01,840
do blood tests before any animal gets

492
00:21:04,950 --> 00:21:03,580
put on medication to make sure that

493
00:21:06,900 --> 00:21:04,960
their liver and kidneys are working

494
00:21:09,120 --> 00:21:06,910
properly so that they can actually

495
00:21:10,620 --> 00:21:09,130
metabolize the medication and flush it

496
00:21:12,810 --> 00:21:10,630
out make sure there isn't another

497
00:21:14,400 --> 00:21:12,820
disease process because sometimes what

498
00:21:16,830 --> 00:21:14,410
you see is a behavioral disorder is

499
00:21:19,080 --> 00:21:16,840
actually a cat that might have another

500
00:21:21,270 --> 00:21:19,090
disease so sometimes cats that vocalize

501
00:21:22,770 --> 00:21:21,280
a lot might have thyroid disease so we

502
00:21:24,780 --> 00:21:22,780
can fix up the thyroid disease without

503
00:21:26,100 --> 00:21:24,790
even going near pharmaceuticals for the

504
00:21:27,780 --> 00:21:26,110
brain because we're actually dealing

505
00:21:29,970 --> 00:21:27,790
with the underlying medical problem and

506
00:21:31,500 --> 00:21:29,980
I love how you said cats don't know how

507
00:21:33,240 --> 00:21:31,510
to apologize but if it's not like a dog

508
00:21:35,160 --> 00:21:33,250
will row or roll over on spec and go oh

509
00:21:37,140 --> 00:21:35,170
that's okay sorry and and like be

510
00:21:39,090 --> 00:21:37,150
submissive but cats won't do that even

511
00:21:40,380 --> 00:21:39,100
in a group no they don't have that

512
00:21:42,870 --> 00:21:40,390
ability it's not part of cat language

513
00:21:44,820 --> 00:21:42,880

the ball didn't evolve with dogs and

514
00:21:47,220 --> 00:21:44,830
people we have actually we didn't

515
00:21:49,680 --> 00:21:47,230
domesticate the dog we actually mutually

516
00:21:52,110 --> 00:21:49,690
grew together which is why dogs and

517
00:21:54,240 --> 00:21:52,120
people we talk about you know it's a

518
00:21:55,920 --> 00:21:54,250
it's sort of a code amidst occasion for

519
00:21:59,010 --> 00:21:55,930
lack for a better bet cats were always

520
00:22:00,570 --> 00:21:59,020
you know doing their own thing and that

521
00:22:02,220 --> 00:22:00,580
kind of turn up in Egypt and I thought

522
00:22:04,170 --> 00:22:02,230
hey they'll keep mice away from the

523
00:22:05,580 --> 00:22:04,180
granaries and but that wasn't the cat's

524
00:22:09,150 --> 00:22:05,590
idea wasn't they were just gonna eat the

525
00:22:10,710 --> 00:22:09,160
mice and I said yeah that's a very good

526
00:22:12,780 --> 00:22:10,720
at finding out ways good for them to be

527
00:22:14,580 --> 00:22:12,790
and you know the cat when you think

528
00:22:17,130 --> 00:22:14,590
about its history in the world sometimes

529
00:22:18,690 --> 00:22:17,140
they were really looked upon as you know

530
00:22:20,670 --> 00:22:18,700
gods or goddesses and the Egyptian

531
00:22:22,470 --> 00:22:20,680
culture certainly did that and in the

532
00:22:24,270 --> 00:22:22,480
old days if your cat died you have to

533
00:22:25,410 --> 00:22:24,280
shave off your left eyebrow as a sign of

534
00:22:28,500 --> 00:22:25,420
mourning

535
00:22:30,390 --> 00:22:28,510
then cats were kind of you know in the

536
00:22:31,800 --> 00:22:30,400
Middle Ages if you're a woman and you

537
00:22:34,680 --> 00:22:31,810
had a cat you were burned at the stake

538
00:22:36,990 --> 00:22:34,690

because you're a witch so cats went from

539
00:22:38,610 --> 00:22:37,000
being highest of high to the lowest of

540
00:22:40,740 --> 00:22:38,620
low and now it depends on how you feel

541
00:22:41,970 --> 00:22:40,750
at cat's in society whether you think

542
00:22:43,110 --> 00:22:41,980
they're the highest of the high or the

543
00:22:44,790 --> 00:22:43,120
lowest of the low

544
00:22:46,320 --> 00:22:44,800
now cats can't read or watch television

545
00:22:47,910 --> 00:22:46,330
because of their vision so they just

546
00:22:49,350 --> 00:22:47,920
happened to be staring at stuff but when

547
00:22:51,450 --> 00:22:49,360
they're looking at a spot on the wall

548
00:22:52,800 --> 00:22:51,460
because their visions outside ours are

549
00:22:54,720 --> 00:22:52,810
they seeing something in the ultraviolet

550
00:22:56,010 --> 00:22:54,730
spectrum like maybe some old mouse pee

551
00:22:57,480 --> 00:22:56,020
or something like that what are they

552
00:22:59,190 --> 00:22:57,490
seeing that they're still staring at do

553
00:23:00,660 --> 00:22:59,200
we know well the interesting thing is

554
00:23:03,390 --> 00:23:00,670
they can watch television these days

555
00:23:05,460 --> 00:23:03,400
because yeah because in the old days and

556
00:23:07,500 --> 00:23:05,470
the pixelation wasn't fast enough so

557
00:23:09,750 --> 00:23:07,510
what they saw was a whole pile of slow

558
00:23:11,520 --> 00:23:09,760
pictures and whereas now because it goes

559
00:23:13,260 --> 00:23:11,530
so fast it actually looks like moving

560
00:23:14,640 --> 00:23:13,270
pictures remember in the old days when

561
00:23:16,320 --> 00:23:14,650
they had you don't have to wear this

562
00:23:17,340 --> 00:23:16,330
thing around and what it wasn't a

563
00:23:19,170 --> 00:23:17,350

kaleidoscope I can never remember the

564
00:23:20,670 --> 00:23:19,180
name of them so they actually think it

565
00:23:21,630 --> 00:23:20,680
could be a window on real life is it

566
00:23:23,460 --> 00:23:21,640
what they think something to actually

567
00:23:25,050 --> 00:23:23,470
make television shows for cats now and

568
00:23:26,970 --> 00:23:25,060
little iPad toys that they can play

569
00:23:28,770 --> 00:23:26,980
around with and move things around and

570
00:23:30,600 --> 00:23:28,780
so you know I think they are watching

571
00:23:32,460 --> 00:23:30,610
things now that perhaps you know that we

572
00:23:33,750 --> 00:23:32,470
couldn't before do is it one last

573
00:23:35,070 --> 00:23:33,760
question for all those people out there

574
00:23:36,480 --> 00:23:35,080
that love pampering their cats what's

575
00:23:37,920 --> 00:23:36,490
the one thing you shouldn't feed the cat

576
00:23:39,300 --> 00:23:37,930
that is actually not good for them and

577
00:23:42,120 --> 00:23:39,310
people always make the mistake of giving

578
00:23:44,550 --> 00:23:42,130
to them because they get swatted yeah

579
00:23:46,410 --> 00:23:44,560
it's a good question I mean you know

580
00:23:48,390 --> 00:23:46,420
chocolate isn't good for cats mostly

581
00:23:50,340 --> 00:23:48,400
they don't they can't taste skin you

582
00:23:51,750 --> 00:23:50,350
know sweetness but that isn't good but

583
00:23:53,610 --> 00:23:51,760
there's a lot of poisonous plants that

584
00:23:55,410 --> 00:23:53,620
people have in there in there you know

585
00:23:56,850 --> 00:23:55,420
like lilies for instance and they don't

586
00:23:58,560 --> 00:23:56,860
feed it deliberately to them but they

587
00:24:00,780 --> 00:23:58,570
might have lilies inside the house and

588
00:24:02,310 --> 00:24:00,790

of course they're toxic to cats so

589
00:24:03,870 --> 00:24:02,320
whenever you see lilies and you have a

590
00:24:05,430 --> 00:24:03,880
cat don't put the two together

591
00:24:06,990 --> 00:24:05,440
where can we find you online and get

592
00:24:10,020 --> 00:24:07,000
that book that sounds impossible to me

593
00:24:12,120 --> 00:24:10,030
how to train your cat yeah training your

594
00:24:15,600 --> 00:24:12,130
cat with the first book I wrote you just

595
00:24:17,460 --> 00:24:15,610
go to my website WWF calm delay you and

596
00:24:19,320 --> 00:24:17,470
we can organize the coffee so services

597
00:24:40,000 --> 00:24:19,330
for Sydney animal behavior service.com

598
00:24:47,259 --> 00:24:43,979
[Music]

599
00:24:51,029 --> 00:24:47,269
like watch your guide to quackery health

600
00:24:53,529 --> 00:24:51,039
fraud operated by Stephan Barratt MD

601
00:24:55,539 --> 00:24:53,539
quack watch is now an international

602
00:24:58,389 --> 00:24:55,549
network of people who are concerned

603
00:25:01,899 --> 00:24:58,399
about health-related frauds myths fads

604
00:25:04,450 --> 00:25:01,909
fallacies and misconduct its primary

605
00:25:06,879 --> 00:25:04,460
focus is on quackery related information

606
00:25:11,379 --> 00:25:06,889
that is difficult or impossible to get

607
00:25:14,830 --> 00:25:11,389
elsewhere articles include quackery how

608
00:25:16,119 --> 00:25:14,840
should it be defined how it sells 26

609
00:25:19,060 --> 00:25:16,129
ways to spot it

610
00:25:39,909 --> 00:25:19,070
Howard Homs cancer patients and much

611
00:25:41,830 --> 00:25:39,919
more ww-why watch while we're driving

612
00:25:43,330 --> 00:25:41,840
through the back streets of glebe at the

613
00:25:45,639 --> 00:25:43,340

moment numb with may not and the big

614
00:25:49,570 --> 00:25:45,649
news folks is maynard is going to be the

615
00:25:51,339 --> 00:25:49,580
host the MC of the skeptic on dinner may

616
00:25:54,249 --> 00:25:51,349
not what can people expect they can

617
00:25:56,139 --> 00:25:54,259
expect food some drink epsom wine if

618
00:25:56,499 --> 00:25:56,149
that's the kind of thing that's it

619
00:25:58,330 --> 00:25:56,509
really

620
00:26:00,430 --> 00:25:58,340
I'll be out there telling them what's on

621
00:26:02,739 --> 00:26:00,440
but I will actually be waiting on

622
00:26:05,619 --> 00:26:02,749
several tables as well I'll be wearing a

623
00:26:07,479 --> 00:26:05,629
cumberbund and people have mentioned my

624
00:26:08,529 --> 00:26:07,489
cumberbund on many occasions and I can

625
00:26:10,869 --> 00:26:08,539
only assume that that's what they're

626
00:26:12,129 --> 00:26:10,879
talking about Maynard and his cumberbund

627
00:26:14,710 --> 00:26:12,139
live on stage

628
00:26:17,109 --> 00:26:14,720
another reason folks if you needed one

629
00:26:18,729 --> 00:26:17,119
more reason to come to the Australian

630
00:26:21,250 --> 00:26:18,739
skeptics National Convention skeptic on

631
00:26:23,410 --> 00:26:21,260
and get your dinner ticket

632
00:26:25,980 --> 00:26:23,420
yes if you aren't coming you fool to

633
00:26:35,950 --> 00:26:25,990
yourself and a burden to others

634
00:26:41,390 --> 00:26:38,840
on the 4th of October our friends at

635
00:26:47,140 --> 00:26:41,400
choice magazine choice comdata you

636
00:26:51,580 --> 00:26:49,690
now these awards are akin to the

637
00:26:54,790 --> 00:26:51,590
Australian skeptics bent spoon award

638
00:26:58,920 --> 00:26:54,800

Ashoke product means dodgy doesn't work

639
00:27:02,049 --> 00:26:58,930
as advertised could be dangerous in some

640
00:27:04,330 --> 00:27:02,059
situations for example one of the awards

641
00:27:08,290 --> 00:27:04,340
this year went to something called

642
00:27:11,530 --> 00:27:08,300
Porter COTS which is a baby's Cod

643
00:27:15,460 --> 00:27:11,540
portable baby's cot but was found to be

644
00:27:18,520 --> 00:27:15,470
unsafe of note this year for skeptics

645
00:27:21,540 --> 00:27:18,530
one of the awards was given to a

646
00:27:25,270 --> 00:27:21,550
homeopathic product by Oh Glenn

647
00:27:27,280 --> 00:27:25,280
homeopathic melatonin and the press

648
00:27:30,490 --> 00:27:27,290
release reads shonky for the trickery

649
00:27:32,980 --> 00:27:30,500
that leaves people sleepless big

650
00:27:35,710 --> 00:27:32,990
pharmaceutical companies or big pharma

651
00:27:38,380 --> 00:27:35,720
are synonymous with big medical

652
00:27:40,270 --> 00:27:38,390
production big money and big impact on

653
00:27:43,480 --> 00:27:40,280
the type of health care products we can

654
00:27:46,270 --> 00:27:43,490
access one thing that's really expected

655
00:27:48,820 --> 00:27:46,280
from Big Pharma is homeopathic cures

656
00:27:51,160 --> 00:27:48,830
which are more typically found in the

657
00:27:53,260 --> 00:27:51,170
domain of alternative therapies however

658
00:27:55,419 --> 00:27:53,270
at least one big pharma company in

659
00:27:59,410 --> 00:27:55,429
Australia is selling homeopathic

660
00:28:01,570 --> 00:27:59,420
products on a very large scale Pharma

661
00:28:04,660 --> 00:28:01,580
care which boasts on its LinkedIn that

662
00:28:06,400 --> 00:28:04,670
its quote the largest private Australian

663
00:28:08,260 --> 00:28:06,410

owned consumer health fitness and

664
00:28:11,200 --> 00:28:08,270
consumer goods company in the country in

665
00:28:13,810 --> 00:28:11,210
quote currently operates 23 brands

666
00:28:16,120 --> 00:28:13,820
including by Oakland according to their

667
00:28:20,080 --> 00:28:16,130
website their products are available in

668
00:28:22,840 --> 00:28:20,090
quote 5200 pharmacies 3,000 supermarkets

669
00:28:25,150 --> 00:28:22,850
outlets departments and variety stores

670
00:28:27,700 --> 00:28:25,160
nationwide and hundreds of overseas

671
00:28:31,450 --> 00:28:27,710
outlets in Asia America and Europe in

672
00:28:33,940 --> 00:28:31,460
quote in 2017 we awarded by a gland and

673
00:28:37,240 --> 00:28:33,950
another pharmaceutical brand Nature's

674
00:28:40,419 --> 00:28:37,250
Way a shonky for its outrageous claims

675
00:28:41,590 --> 00:28:40,429
that sticky sugary lollies our in fact

676
00:28:43,870 --> 00:28:41,600
could for teeth

677
00:28:46,600 --> 00:28:43,880
this year Pharma care and bio Glenn

678
00:28:48,910 --> 00:28:46,610
received another dubious honor for its

679
00:28:52,240 --> 00:28:48,920
over-the-counter melatonin homeopathic

680
00:28:53,950 --> 00:28:52,250
sleep formula while melatonin currently

681
00:28:56,290 --> 00:28:53,960
a prescription only medicine in

682
00:28:58,300 --> 00:28:56,300
Australia is known to promote sleep and

683
00:29:00,180 --> 00:28:58,310
is used to help people suffering jetlag

684
00:29:02,279 --> 00:29:00,190
or sleep disorders there's

685
00:29:04,769 --> 00:29:02,289
no reliable evidence that homeopathic

686
00:29:07,440 --> 00:29:04,779
melatonin or homeopathic products in

687
00:29:08,399 --> 00:29:07,450
general has any effect other than

688
00:29:11,430 --> 00:29:08,409

placebo

689
00:29:13,820 --> 00:29:11,440
despite this the company makes the claim

690
00:29:16,980 --> 00:29:13,830
that bio gland melatonin helps quote

691
00:29:19,769 --> 00:29:16,990
relieve mild temporary insomnia and

692
00:29:21,169 --> 00:29:19,779
symptoms of mild nervous tension and

693
00:29:24,299 --> 00:29:21,179
quotient

694
00:29:27,299 --> 00:29:24,309
unpack claims you might lose sleep over

695
00:29:30,629 --> 00:29:27,309
bio glands melatonin homeopathic sleep

696
00:29:33,779 --> 00:29:30,639
formula is also available in tubal

697
00:29:36,629 --> 00:29:33,789
tablet form or spray and both products

698
00:29:38,970 --> 00:29:36,639
promised to quote relieve mild temporary

699
00:29:41,909 --> 00:29:38,980
insomnia in quote upon the products

700
00:29:44,220 --> 00:29:41,919
webpage we're told quote results depend

701
00:29:46,860 --> 00:29:44,230
on how often the homeopathic remedy is

702
00:29:50,580 --> 00:29:46,870
taken and not on the quantity used to

703
00:29:52,379 --> 00:29:50,590
end quote because in homeopathy quote

704
00:29:54,299 --> 00:29:52,389
the amount consumed is not relevant

705
00:29:57,180 --> 00:29:54,309
children are treated the same way as

706
00:30:00,149 --> 00:29:57,190
adults end quote however directions for

707
00:30:03,600 --> 00:30:00,159
the tablet version state quote to aid

708
00:30:05,970 --> 00:30:03,610
sleep to three to five tablets half an

709
00:30:09,779 --> 00:30:05,980
hour before bedtime unquote while the

710
00:30:12,810 --> 00:30:09,789
spray is quote rapidly absorbed to start

711
00:30:15,600 --> 00:30:12,820
working quickly end quote to be fair to

712
00:30:17,249 --> 00:30:15,610
bio gland consuming more does support

713
00:30:19,769 --> 00:30:17,259

the primary reason for this products

714
00:30:21,830 --> 00:30:19,779
existence the more tablets people chew

715
00:30:26,960 --> 00:30:21,840
the sooner they'll potentially cough up

716
00:30:30,480 --> 00:30:26,970
another $24 50 recommendations

717
00:30:33,840 --> 00:30:30,490
melatonin homeopathic sleep formula is

718
00:30:37,080 --> 00:30:33,850
packaged like medication and sold in a

719
00:30:39,180 --> 00:30:37,090
pharmacy but with murky claims that are

720
00:30:41,129 --> 00:30:39,190
not supported with evidence wasting

721
00:30:44,039 --> 00:30:41,139
money is the only area where this

722
00:30:46,169 --> 00:30:44,049
product is proven to be effective not

723
00:30:47,490 --> 00:30:46,179
only does bio Glenn Miller tonin not

724
00:30:49,889 --> 00:30:47,500
help you sleep

725
00:30:52,529 --> 00:30:49,899
it's shoki enough that you might lose

726
00:30:56,369 --> 00:30:52,539
sleep worrying about the brazen trickery

727
00:30:58,379 --> 00:30:56,379
this company gets away with but that's

728
00:31:01,110 --> 00:30:58,389
not all this year of interest to

729
00:31:04,980 --> 00:31:01,120
skeptics another shonky has been awarded

730
00:31:07,369 --> 00:31:04,990
to magnetic therapy an oldie but a

731
00:31:10,080 --> 00:31:07,379
goodie and the press release says

732
00:31:13,230 --> 00:31:10,090
magnetic therapy Gyeonggi for using weak

733
00:31:16,470 --> 00:31:13,240
health claims to pull on hip pockets

734
00:31:18,570 --> 00:31:16,480
magnetic therapy promises to take away

735
00:31:20,850 --> 00:31:18,580
or relieve pain through placing weak

736
00:31:24,149 --> 00:31:20,860
static magnets and pain points around

737
00:31:26,130 --> 00:31:24,159
the body a magnet that removes pain with

738
00:31:27,960 --> 00:31:26,140

such bold claims you'd hope for some

739
00:31:30,240 --> 00:31:27,970
type of evidence but there's a clear

740
00:31:33,450 --> 00:31:30,250
lack of studies that prove these devices

741
00:31:35,399 --> 00:31:33,460
aren't simply placebos for example in a

742
00:31:37,399 --> 00:31:35,409
meta-analysis of nine plus SIBO

743
00:31:40,289 --> 00:31:37,409
controlled and randomized trials

744
00:31:43,230 --> 00:31:40,299
professors at the complementary medicine

745
00:31:45,389 --> 00:31:43,240
center from the universities of Exeter

746
00:31:47,159 --> 00:31:45,399
and Plymouth found that quote the

747
00:31:49,320 --> 00:31:47,169
evidence does not support the use of

748
00:31:51,990 --> 00:31:49,330
static magnets for pain relief and

749
00:31:54,750 --> 00:31:52,000
therefore magnets cannot be recommended

750
00:31:57,450 --> 00:31:54,760
as an effective treatment end quote

751
00:32:00,090 --> 00:31:57,460
magnetic therapy devices are often found

752
00:32:02,070 --> 00:32:00,100
in major chemists or online and two of

753
00:32:05,850 --> 00:32:02,080
the most prominent bands are dick weeks

754
00:32:08,100 --> 00:32:05,860
and biomagnetic sport when looking on

755
00:32:10,560 --> 00:32:08,110
their websites you'll also find out that

756
00:32:12,870 --> 00:32:10,570
they point out that their devices aren't

757
00:32:14,970 --> 00:32:12,880
medical treatments the wording is

758
00:32:18,630 --> 00:32:14,980
normally to the effect of quote

759
00:32:20,669 --> 00:32:18,640
information provided within this site is

760
00:32:21,630 --> 00:32:20,679
not a substitute for medical care

761
00:32:24,120 --> 00:32:21,640
unquote

762
00:32:26,940 --> 00:32:24,130
but you'll have to dig past lots of pain

763
00:32:29,880 --> 00:32:26,950

relief claims to get to the medical

764
00:32:32,220 --> 00:32:29,890
disclaimer from arthritis to carpal

765
00:32:35,460 --> 00:32:32,230
tunnel to headaches there's a magnet for

766
00:32:37,860 --> 00:32:35,470
almost every type of pain biomagnetic

767
00:32:40,560 --> 00:32:37,870
sport offers this advice on its online

768
00:32:43,350 --> 00:32:40,570
if IQs for people wondering if their

769
00:32:46,080 --> 00:32:43,360
device is working quote if you have been

770
00:32:48,570 --> 00:32:46,090
using your bio magnetic sport product

771
00:32:50,399 --> 00:32:48,580
for a few days or even weeks and you

772
00:32:52,970 --> 00:32:50,409
don't feel it is helping with your

773
00:32:55,409 --> 00:32:52,980
injury but it has been less than 28 days

774
00:32:58,110 --> 00:32:55,419
please continue to use the product as

775
00:33:00,240 --> 00:32:58,120
directed men quote that's a pretty

776
00:33:02,760 --> 00:33:00,250
shonky move and one that could leave

777
00:33:05,519 --> 00:33:02,770
australian suffering for longer periods

778
00:33:08,330 --> 00:33:05,529
than needed or worse if there's a

779
00:33:11,909 --> 00:33:08,340
serious underlying medical condition

780
00:33:14,340 --> 00:33:11,919
more pain from high price points however

781
00:33:16,409 --> 00:33:14,350
it doesn't end bad advice

782
00:33:19,799 --> 00:33:16,419
many of the magnetic products on offer

783
00:33:22,019 --> 00:33:19,809
will also yank on your bank balance for

784
00:33:23,980 --> 00:33:22,029
example at the top of the range the king

785
00:33:26,799 --> 00:33:23,990
size premium wool

786
00:33:29,590 --> 00:33:26,809
Natick underlay from dick wicks will set

787
00:33:32,080 --> 00:33:29,600
you back almost 500 dollars while the

788
00:33:36,430 --> 00:33:32,090

magnetic muscle wrap from biomagnetic

789
00:33:38,950 --> 00:33:36,440
sport is 4995 which is much more

790
00:33:41,860 --> 00:33:38,960
expensive than common sports tapes and

791
00:33:44,080 --> 00:33:41,870
straps some of the wackier products in

792
00:33:47,380 --> 00:33:44,090
the eyebrow-raising department range are

793
00:33:50,740 --> 00:33:47,390
the dick wicks ear orbs recommended

794
00:33:53,200 --> 00:33:50,750
retail price of $14 95 that claim to

795
00:33:57,520 --> 00:33:53,210
quote instantly transform your old

796
00:33:59,950 --> 00:33:57,530
earrings into natural drug-free magnetic

797
00:34:02,049 --> 00:33:59,960
therapy products end quote

798
00:34:05,710 --> 00:34:02,059
not to mention suppress appetite and

799
00:34:06,880 --> 00:34:05,720
food cravings and most earrings already

800
00:34:09,760 --> 00:34:06,890
drug free

801
00:34:12,490 --> 00:34:09,770
there are also magnets for cats dogs and

802
00:34:16,629 --> 00:34:12,500
horses including a horse rug recommended

803
00:34:20,550 --> 00:34:16,639
retail price of 200 and $29.95 that

804
00:34:22,810 --> 00:34:20,560
promises to quote repel pain and attract

805
00:34:24,940 --> 00:34:22,820
soundness end quote

806
00:34:28,000 --> 00:34:24,950
if you're suffering from any type of

807
00:34:30,940 --> 00:34:28,010
pain or condition it's always best to

808
00:34:33,119 --> 00:34:30,950
see a medical professional rather than

809
00:34:36,040 --> 00:34:33,129
spend money on a wearable or

810
00:34:37,710 --> 00:34:36,050
close-proximity magnetic devices from

811
00:34:40,810 --> 00:34:37,720
companies like dick weeks and

812
00:34:43,810 --> 00:34:40,820
biomagnetic support the only thing these

813
00:34:46,700 --> 00:34:43,820

magnets will relieve you of is the money

814
00:34:49,290 --> 00:34:46,710
from your wallet

815
00:34:52,020 --> 00:34:49,300
so those two products were certainly

816
00:34:55,140 --> 00:34:52,030
highlights for skeptics this year the

817
00:34:57,840 --> 00:34:55,150
products mentioned or awarded ashang

818
00:35:02,460 --> 00:34:57,850
keyword the marriott chain of hotels the

819
00:35:05,550 --> 00:35:02,470
commonwealth bank like coaster that

820
00:35:07,770 --> 00:35:05,560
doesn't quite toast the babies cut we

821
00:35:11,190 --> 00:35:07,780
mentioned before and Kellogg's

822
00:35:13,080 --> 00:35:11,200
nutrigrain smash I'll link to the choice

823
00:35:15,820 --> 00:35:13,090
website so you can read all about those

824
00:35:27,240 --> 00:35:15,830
for yourself in this week's show notes

825
00:35:30,070 --> 00:35:27,250
[Music]

826
00:35:34,540 --> 00:35:30,080
aliens are probing people and mutilating

827
00:35:37,030 --> 00:35:34,550
cows 9/11 was an inside job I'm the oppa

828
00:35:40,090 --> 00:35:37,040
to clean up my athlete's foot vaccines

829
00:35:43,780 --> 00:35:40,100
cause autism not all sorts of tinnitus

830
00:35:45,070 --> 00:35:43,790
Vaughn is definitely real we all have

831
00:35:47,620 --> 00:35:45,080
friends and family who believe these

832
00:35:49,570 --> 00:35:47,630
things and much more well if you're a

833
00:35:51,280 --> 00:35:49,580
rational thinker who is tired of arguing

834
00:35:53,470 --> 00:35:51,290
on social media and never getting

835
00:35:55,480 --> 00:35:53,480
anywhere we have a solution for you

836
00:35:57,940 --> 00:35:55,490
join the guerrilla skepticism on

837
00:36:00,340 --> 00:35:57,950
wikipedia team and we will teach you how

838
00:36:02,440 --> 00:36:00,350

to add reliable scientific and skeptical

839
00:36:05,410 --> 00:36:02,450
information to the world's number-one

840
00:36:07,360 --> 00:36:05,420
source of information Wikipedia we write

841
00:36:09,910 --> 00:36:07,370
new articles and improve existing ones

842
00:36:12,070 --> 00:36:09,920
we remove pseudoscience paranormal and

843
00:36:14,260 --> 00:36:12,080
augment claims substituting the actual

844
00:36:16,930 --> 00:36:14,270
facts and we operate in many languages

845
00:36:19,300 --> 00:36:16,940
we've already reached tens of millions

846
00:36:21,280 --> 00:36:19,310
of people searching for information but

847
00:36:24,370 --> 00:36:21,290
as you can imagine we can never do

848
00:36:26,980 --> 00:36:24,380
enough so please join us all you need is

849
00:36:29,020 --> 00:36:26,990
a PC a Facebook account and the desire

850
00:36:31,000 --> 00:36:29,030
to help educate the planet in fact

851
00:36:31,660 --> 00:36:31,010
you'll be educating the world while you

852
00:36:36,210 --> 00:36:31,670
sleep

853
00:36:39,810 --> 00:36:36,220
contact us at E is owt m-- and gmail.com

854
00:36:48,950 --> 00:36:39,820
guerrilla skepticism the time is now

855
00:36:55,010 --> 00:36:53,030
ah look man I talking about shells

856
00:36:56,450 --> 00:36:55,020
coming up on ABC TV and I'm with the

857
00:36:58,720 --> 00:36:56,460
person who was one of the people behind

858
00:37:00,829 --> 00:36:58,730
that who have we got here if you can say

859
00:37:03,859 --> 00:37:00,839
David Rosenberg the technical and

860
00:37:05,810 --> 00:37:03,869
creative consultant Wow on on the Pine

861
00:37:08,240 --> 00:37:05,820
Gap television series Wow and of course

862
00:37:09,680 --> 00:37:08,250
now why are you you just the guy closest

863
00:37:11,750 --> 00:37:09,690

to the door and I said we need someone

864
00:37:13,520 --> 00:37:11,760
why did they pick you I was the one the

865
00:37:15,170 --> 00:37:13,530
writers found when they googled Pine Gap

866
00:37:16,640 --> 00:37:15,180
because I wrote a book called inside

867
00:37:19,220 --> 00:37:16,650
Pine Gap the spy who came in from the

868
00:37:20,810 --> 00:37:19,230
desert back in 2011 so they contacted me

869
00:37:22,430 --> 00:37:20,820
and asked me if I'd like to discuss

870
00:37:24,109 --> 00:37:22,440
being a consultant on the series I

871
00:37:25,849 --> 00:37:24,119
believe you used to work for no such

872
00:37:27,500 --> 00:37:25,859
agency is that correct and no such

873
00:37:29,359 --> 00:37:27,510
agency is correct yes Wow

874
00:37:30,890 --> 00:37:29,369
and I would like to point out that they

875
00:37:32,060 --> 00:37:30,900
do have the world's biggest car park

876
00:37:33,710 --> 00:37:32,070
because if anyone has said look at the

877
00:37:36,020 --> 00:37:33,720
NSA building they've got to be doing

878
00:37:37,640 --> 00:37:36,030
something in there because it's huge it

879
00:37:39,170 --> 00:37:37,650
is it is I've been there myself and it's

880
00:37:41,270 --> 00:37:39,180
a long walk from one end to the other

881
00:37:43,790 --> 00:37:41,280
believe me Wow because you can't say too

882
00:37:45,470 --> 00:37:43,800
much about what goes on in there but is

883
00:37:47,510 --> 00:37:45,480
of the media they thought oh hang on me

884
00:37:50,120 --> 00:37:47,520
this is a disinformation program that's

885
00:37:52,099 --> 00:37:50,130
going on about Pine Gap initialised from

886
00:37:53,300 --> 00:37:52,109
the NSA is that correct you're telling

887
00:37:54,470 --> 00:37:53,310
people that stuff's going on that's not

888
00:37:56,359 --> 00:37:54,480

really happening well the interesting

889
00:37:58,339 --> 00:37:56,369
stuff is probably going on at some place

890
00:38:00,170 --> 00:37:58,349
in Western Australia that we don't talk

891
00:38:02,030 --> 00:38:00,180
about as much that's why they had the

892
00:38:06,310 --> 00:38:02,040
submarine transmitters that's true

893
00:38:10,910 --> 00:38:08,930
what I could tell you is that the TV

894
00:38:12,560 --> 00:38:10,920
series is a fictional drama geopolitical

895
00:38:14,450 --> 00:38:12,570
thriller so it is fiction it is a

896
00:38:16,820 --> 00:38:14,460
dramatization of what happens at Pine

897
00:38:18,290 --> 00:38:16,830
Gap it does not it does not reflect the

898
00:38:20,180 --> 00:38:18,300
real-world activities that happen to

899
00:38:22,160 --> 00:38:20,190
find gap because I mentioned the real

900
00:38:24,140 --> 00:38:22,170
drama at Pine Gap would be on a on a

901
00:38:28,280 --> 00:38:24,150
political level between people trying to

902
00:38:31,310 --> 00:38:28,290
get promotions like any business there's

903
00:38:33,560 --> 00:38:31,320
a lot of a lot of competition out there

904
00:38:35,000 --> 00:38:33,570
yes so yes if people do go to Pine Gap

905
00:38:37,250 --> 00:38:35,010
actually it's a good career move to go

906
00:38:38,839 --> 00:38:37,260
there and have some time in the field um

907
00:38:40,790 --> 00:38:38,849
what was your specialty what drew you

908
00:38:43,220 --> 00:38:40,800
into that world are you an expert in

909
00:38:44,810 --> 00:38:43,230
encryptions or what actually decided oh

910
00:38:47,510 --> 00:38:44,820
I would like to work for this one had

911
00:38:49,460 --> 00:38:47,520
you had they pick you I was a weapon

912
00:38:51,800 --> 00:38:49,470
signals analyst so when the job came up

913
00:38:54,589 --> 00:38:51,810

I applied for it and went to Pine Gap

914
00:38:56,120 --> 00:38:54,599
and decided to stay for a little bit

915
00:38:58,640 --> 00:38:56,130
longer than originally planned which was

916
00:38:59,630 --> 00:38:58,650
only two years that turned into 18 years

917
00:39:01,130 --> 00:38:59,640
so I kind of felt like I was on

918
00:39:02,430 --> 00:39:01,140
Gilligan's Island with my time just keep

919
00:39:05,589 --> 00:39:02,440
going on

920
00:39:07,750 --> 00:39:05,599
which was fantastic but the technology

921
00:39:09,099 --> 00:39:07,760
in 18 years I mean when they started it

922
00:39:10,539 --> 00:39:09,109
was just like people chucking rocks at

923
00:39:12,190 --> 00:39:10,549
each other obviously when you started

924
00:39:14,740 --> 00:39:12,200
and by the end of it you I mean how do

925
00:39:16,569 --> 00:39:14,750
you keep up with the signals it's

926
00:39:17,260 --> 00:39:16,579
different all the time new stuffs being

927
00:39:18,760 --> 00:39:17,270
made all the time

928
00:39:20,319 --> 00:39:18,770
the Chinese would have made a different

929
00:39:22,180 --> 00:39:20,329
signal from the Indonesians it must be

930
00:39:24,760 --> 00:39:22,190
very confusing that's right you have to

931
00:39:27,279 --> 00:39:24,770
be familiar with the with the signal

932
00:39:28,599 --> 00:39:27,289
spectrum environment and you have to you

933
00:39:31,870 --> 00:39:28,609
have to basically keep up with the

934
00:39:33,970 --> 00:39:31,880
technology as it accelerates as well the

935
00:39:36,339 --> 00:39:33,980
the satellites with each successive

936
00:39:38,920 --> 00:39:36,349
satellite going up they have they have

937
00:39:40,720 --> 00:39:38,930
enhanced capabilities so yes you have to

938
00:39:42,250 --> 00:39:40,730

keep your technical skills up-to-date so

939
00:39:43,750 --> 00:39:42,260
do we still bother flying in a Ryan

940
00:39:45,640 --> 00:39:43,760
aircraft along the fringes of the

941
00:39:46,930 --> 00:39:45,650
Indonesian coast so we can pick up on

942
00:39:48,279 --> 00:39:46,940
all these signals and frequencies or

943
00:39:48,690 --> 00:39:48,289
that's just we don't need to do that

944
00:39:50,890 --> 00:39:48,700
anymore

945
00:39:52,539 --> 00:39:50,900
all that's part of reconnaissance I

946
00:39:54,430 --> 00:39:52,549
don't I don't really know what goes on

947
00:39:55,980 --> 00:39:54,440
with the Orion aircraft but there's

948
00:39:57,760 --> 00:39:55,990
certainly every reason to have

949
00:40:00,579 --> 00:39:57,770
reconnaissance wherever a government

950
00:40:01,690 --> 00:40:00,589
feels it's necessary and I guess you

951
00:40:04,240 --> 00:40:01,700
can't give away too much but watch

952
00:40:06,370 --> 00:40:04,250
what's your favorite thing about the job

953
00:40:08,289 --> 00:40:06,380
I mean is there a particular aircraft or

954
00:40:10,210 --> 00:40:08,299
or a particular weapon that you go

955
00:40:12,660 --> 00:40:10,220
that's pretty fascinating boy I could

956
00:40:15,099 --> 00:40:12,670
look I could do that all day even more

957
00:40:16,210 --> 00:40:15,109
the exciting part for me was always

958
00:40:17,620 --> 00:40:16,220
searching for something new when you

959
00:40:19,120 --> 00:40:17,630
find something that nobody in the

960
00:40:20,829 --> 00:40:19,130
community is seen before and you're the

961
00:40:22,960 --> 00:40:20,839
first person to find it that's a buzz

962
00:40:24,490 --> 00:40:22,970
that's that that that's that's a really

963
00:40:25,990 --> 00:40:24,500

good accomplishment yeah and then you've

964
00:40:27,730 --> 00:40:26,000
got to like back track it and find out

965
00:40:30,130 --> 00:40:27,740
what exactly it is it's a meeting that

966
00:40:32,200 --> 00:40:30,140
that's right you got to go and analyze

967
00:40:34,420 --> 00:40:32,210
it so as signals analyst that's what we

968
00:40:35,980 --> 00:40:34,430
do and of course the special

969
00:40:37,960 --> 00:40:35,990
relationship between Australia and

970
00:40:40,240 --> 00:40:37,970
America is often criticized I've I've

971
00:40:41,589 --> 00:40:40,250
criticized on a number of occasions but

972
00:40:44,319 --> 00:40:41,599
has what's been explained to people in

973
00:40:47,700 --> 00:40:44,329
the intelligent industry is that if the

974
00:40:50,140 --> 00:40:47,710
Australian intelligence

975
00:40:51,789 --> 00:40:50,150
military-industrial complex is three

976
00:40:53,980 --> 00:40:51,799
people in a kelpy we haven't got too

977
00:40:56,109 --> 00:40:53,990
many but that Kilby works hard let me

978
00:40:57,490 --> 00:40:56,119
tell you but if our soldiers are on the

979
00:40:59,349 --> 00:40:57,500
ground in Afghanistan and they want to

980
00:41:00,700 --> 00:40:59,359
know the live intelligence the Americans

981
00:41:02,829 --> 00:41:00,710
give that to them because of our special

982
00:41:04,450 --> 00:41:02,839
relationship so in some ways it saves

983
00:41:06,220 --> 00:41:04,460
our soldiers lives and that's part of

984
00:41:07,630 --> 00:41:06,230
the reason that we do it that's very

985
00:41:10,359 --> 00:41:07,640
very true and I talk about that in my

986
00:41:12,250 --> 00:41:10,369
book as well so yeah especially if you

987
00:41:13,450 --> 00:41:12,260
have a troops in the field you have as

988
00:41:15,190 --> 00:41:13,460

you have support to military operations

989
00:41:17,260 --> 00:41:15,200
and that's one of the things that I

990
00:41:18,789 --> 00:41:17,270
does as well basically helping to

991
00:41:20,530 --> 00:41:18,799
safeguard the troops that are that are

992
00:41:22,240 --> 00:41:20,540
that are in that are in either enemy

993
00:41:24,069 --> 00:41:22,250
territory occupied territory are just

994
00:41:25,900 --> 00:41:24,079
doing a peacekeeping mission do you

995
00:41:27,670 --> 00:41:25,910
think people sometimes overstate the

996
00:41:29,680 --> 00:41:27,680
technology thinking that all we can have

997
00:41:32,680 --> 00:41:29,690
a safer environment for our troops

998
00:41:34,569 --> 00:41:32,690
because the technology will save them in

999
00:41:36,760 --> 00:41:34,579
difficult situations probably they

1000
00:41:38,950 --> 00:41:36,770
depend on it too much sometimes well you

1001
00:41:42,490 --> 00:41:38,960
are going to look at whatever you have

1002
00:41:44,710 --> 00:41:42,500
at your disposal to make things easier

1003
00:41:46,839 --> 00:41:44,720
and safer for the troops on the ground

1004
00:41:48,599 --> 00:41:46,849
so whatever you can develop and utilize

1005
00:41:51,700 --> 00:41:48,609
the government will certainly do that

1006
00:41:53,650 --> 00:41:51,710
and what's your area you'd like to see a

1007
00:41:54,789 --> 00:41:53,660
bit more development in without giving

1008
00:41:56,620 --> 00:41:54,799
away too much is there something you

1009
00:41:58,270 --> 00:41:56,630
know what because as I said earlier like

1010
00:41:59,770 --> 00:41:58,280
new stuff is really good what's the most

1011
00:42:02,829 --> 00:41:59,780
interesting new stuff that you can talk

1012
00:42:04,599 --> 00:42:02,839
about imagery satellites are quite are

1013
00:42:07,599 --> 00:42:04,609

quite exciting it's it's always good to

1014
00:42:09,430 --> 00:42:07,609
have a satellites that can see as as

1015
00:42:11,650 --> 00:42:09,440
much detail as they can from a very very

1016
00:42:14,440 --> 00:42:11,660
high altitude so it's code name 'crystal

1017
00:42:15,700 --> 00:42:14,450
really old stuff now that's one of them

1018
00:42:17,440 --> 00:42:15,710
yeah I mean you'll see this stuff out on

1019
00:42:18,370 --> 00:42:17,450
the internet you can you can google it

1020
00:42:20,710 --> 00:42:18,380
and you'll find a lot of information

1021
00:42:22,359 --> 00:42:20,720
beware there because a lot of it is this

1022
00:42:23,980 --> 00:42:22,369
information be skeptical about it

1023
00:42:25,210 --> 00:42:23,990
oh yeah exactly because it's not even

1024
00:42:26,440 --> 00:42:25,220
just information coming from the

1025
00:42:29,109 --> 00:42:26,450
government it's just people right and

1026
00:42:32,710 --> 00:42:29,119
crap that's true it's everywhere isn't

1027
00:42:34,270 --> 00:42:32,720
it and oh yeah now where can we see this

1028
00:42:35,859 --> 00:42:34,280
show and the wins at stock is gonna be

1029
00:42:37,809 --> 00:42:35,869
on iView and everything on the ABC but

1030
00:42:39,309 --> 00:42:37,819
wins it's official airdate okay the

1031
00:42:41,230 --> 00:42:39,319
first two episodes are going to be a

1032
00:42:45,549 --> 00:42:41,240
double episode airing on the 14th of

1033
00:42:47,799 --> 00:42:45,559
October that's Sunday night and I think

1034
00:42:50,589 --> 00:42:47,809
it'll be on I view after that you'll be

1035
00:42:52,210 --> 00:42:50,599
able to see all of the episodes and then

1036
00:42:53,740 --> 00:42:52,220
if you're overseas you can see it on

1037
00:42:55,720 --> 00:42:53,750
Netflix as well it won't be available

1038
00:43:00,069 --> 00:42:55,730

immediately on Netflix in Australia but

1039
00:43:02,500 --> 00:43:00,079
it will be available on the ABC and just

1040
00:43:03,819 --> 00:43:02,510
just get ready for it there's gonna be a

1041
00:43:05,440 --> 00:43:03,829
lot of discussion about it you'll hear

1042
00:43:07,030 --> 00:43:05,450
your hero you'll hear a lot of people in

1043
00:43:08,170 --> 00:43:07,040
Australia talking about it is there a

1044
00:43:11,710 --> 00:43:08,180
website or something on that we can go

1045
00:43:14,620 --> 00:43:11,720
to have a look at it yeah I think yes

1046
00:43:16,240 --> 00:43:14,630
there well Netflix I believe has some

1047
00:43:18,880 --> 00:43:16,250
has released some media releases on it

1048
00:43:20,079 --> 00:43:18,890
so they might have some more information

1049
00:43:22,900 --> 00:43:20,089
about there there's been some promos

1050
00:43:25,470 --> 00:43:22,910
from the ABC so you'll be able to just -

1051
00:43:27,460 --> 00:43:25,480
if you just if you just Google Pine Gap

1052
00:43:28,000 --> 00:43:27,470
Netflix you'll be able to get a lot of a

1053
00:43:30,220 --> 00:43:28,010
lot of

1054
00:43:33,340 --> 00:43:30,230
formation and as someone who's now been

1055
00:43:35,770 --> 00:43:33,350
someone who's been able a technical

1056
00:43:37,810 --> 00:43:35,780
adviser to a movie what's a movie you

1057
00:43:39,280 --> 00:43:37,820
think has some great technical advice

1058
00:43:41,590 --> 00:43:39,290
and there I was always a fan of The Hunt

1059
00:43:43,240 --> 00:43:41,600
for Red October that's kind of cool but

1060
00:43:44,650 --> 00:43:43,250
I imagine that stuff's pretty incorrect

1061
00:43:45,850 --> 00:43:44,660
I'm pretty sure the inside of a Russian

1062
00:43:48,010 --> 00:43:45,860
sub doesn't look like that will make

1063
00:43:50,410 --> 00:43:48,020

that noise and there isn't a Scottish

1064
00:43:52,090 --> 00:43:50,420
guy in charge of it either what's one of

1065
00:43:54,730 --> 00:43:52,100
your favorite movies you got man that

1066
00:43:56,500 --> 00:43:54,740
that's technically well done I like the

1067
00:43:58,600 --> 00:43:56,510
James Bond movies for entertainment they

1068
00:43:59,980 --> 00:43:58,610
have they have they have they have they

1069
00:44:04,060 --> 00:43:59,990
have the cool cars the penny have you

1070
00:44:06,610 --> 00:44:04,070
got a favorite one big db9 I've been old

1071
00:44:09,160 --> 00:44:06,620
fan of Sean Connery actually so I do

1072
00:44:11,230 --> 00:44:09,170
like the old jet pack his jet pack is

1073
00:44:12,940 --> 00:44:11,240
fantastic you made him wear a helmet as

1074
00:44:14,740 --> 00:44:12,950
if James Bond would ever wear a helmet

1075
00:44:16,660 --> 00:44:14,750
with a jet pack you'd be going no I'm

1076
00:44:18,730 --> 00:44:16,670
going now and Roger Moore going to the

1077
00:44:21,460 --> 00:44:18,740
moon that was a that was pretty funny

1078
00:44:22,780 --> 00:44:21,470
too so yeah so it's it's good and it's

1079
00:44:24,640 --> 00:44:22,790
good entertainment I think that people

1080
00:44:27,010 --> 00:44:24,650
will find at the Pine Gap series as well

1081
00:44:28,480 --> 00:44:27,020
good entertainment and and I just

1082
00:44:30,220 --> 00:44:28,490
remember that that it that it is a

1083
00:44:32,920 --> 00:44:30,230
fictional drama it's not it's not a

1084
00:44:34,750 --> 00:44:32,930
documentary and we'll be having a longer

1085
00:44:36,640 --> 00:44:34,760
chat about your book a little bit later

1086
00:44:38,530 --> 00:44:36,650
in in the skeptical zone but please

1087
00:44:40,360 --> 00:44:38,540
enjoy tonight and let's talk about

1088
00:44:41,890 --> 00:44:40,370

tonight's question which is all about

1089
00:44:44,980 --> 00:44:41,900
music do you think there's a scientific

1090
00:44:46,930 --> 00:44:44,990
formula to music do you think you could

1091
00:44:48,850 --> 00:44:46,940
actually write a pop song by working at

1092
00:44:50,500 --> 00:44:48,860
a scientific formula or there is a

1093
00:44:52,780 --> 00:44:50,510
formula to what people like to hear

1094
00:44:54,370 --> 00:44:52,790
that's a good question I have I don't

1095
00:44:56,710 --> 00:44:54,380
have a musical bone in my body however

1096
00:44:59,560 --> 00:44:56,720
my wife is a music therapist and a music

1097
00:45:01,330 --> 00:44:59,570
psychotherapist Wow so if you cycle

1098
00:45:04,240 --> 00:45:01,340
analyzes people while playing them pick

1099
00:45:06,520 --> 00:45:04,250
up boys is that what goes on not that

1100
00:45:08,530 --> 00:45:06,530
not that simple but there's a lot of

1101
00:45:10,600 --> 00:45:08,540
music in our house whether there's a

1102
00:45:11,650 --> 00:45:10,610
formula that you can use I don't know I

1103
00:45:13,780 --> 00:45:11,660
think that there's a lot of very

1104
00:45:15,070 --> 00:45:13,790
creative people out there who do really

1105
00:45:17,320 --> 00:45:15,080
well when it comes to putting music

1106
00:45:18,610 --> 00:45:17,330
together thanks for checking out the

1107
00:45:20,740 --> 00:45:18,620
show guys really big and you get more

1108
00:45:22,090 --> 00:45:20,750
technical advice in the future fingers

1109
00:45:23,530 --> 00:45:22,100
crossed we'll have a second third series

1110
00:45:36,960 --> 00:45:23,540
coming up as well

1111
00:45:42,070 --> 00:45:39,880
hey you fellow skeptics in Medford here

1112
00:45:44,500 --> 00:45:42,080
with Celeste reward your friendly host

1113
00:45:46,360 --> 00:45:44,510

of squaring the strange a podcast that

1114
00:45:49,600 --> 00:45:46,370
looks at topics ranging from Legends

1115
00:45:51,550 --> 00:45:49,610
panics and cryptids to myths psychology

1116
00:45:53,680 --> 00:45:51,560
and folklore breaking things down and

1117
00:45:55,840 --> 00:45:53,690
picking things apart as we skeptics do

1118
00:45:58,450 --> 00:45:55,850
we bring a few different perspectives on

1119
00:46:00,550 --> 00:45:58,460
things pleasure for example is a witty

1120
00:46:02,920 --> 00:46:00,560
cartoonist and Ben is a brilliant writer

1121
00:46:04,630 --> 00:46:02,930
and longtime skeptical investigator we

1122
00:46:07,150 --> 00:46:04,640
don't always agree well we have fun

1123
00:46:09,370 --> 00:46:07,160
trying and we learn new things join us

1124
00:46:11,710 --> 00:46:09,380
for new topics every week or two or

1125
00:46:14,950 --> 00:46:11,720
browse our backlog of evergreen episodes

1126
00:46:17,080 --> 00:46:14,960
available on iTunes and all your podcast

1127
00:46:23,280 --> 00:46:17,090
feeding troughs squaring the strange

1128
00:46:23,290 --> 00:46:35,730
[Music]

1129
00:46:39,849 --> 00:46:38,019
thank you for listening to the skeptics

1130
00:46:41,980 --> 00:46:39,859
zone next week's show will be a little

1131
00:46:45,250 --> 00:46:41,990
bit different than some highlights from

1132
00:46:46,960 --> 00:46:45,260
a show I used to do before the skeptic

1133
00:46:49,180 --> 00:46:46,970
zone called the skeptic tank I think it

1134
00:46:51,579 --> 00:46:49,190
was where I interview magician mark

1135
00:46:54,309 --> 00:46:51,589
Mayer who was investigating psychic

1136
00:46:56,470 --> 00:46:54,319
detectives and I don't think I've ever

1137
00:46:58,180 --> 00:46:56,480
played this interview on the skeptics

1138
00:47:01,180 --> 00:46:58,190

own certainly has not been heard for

1139
00:47:03,460 --> 00:47:01,190
many many years still relevant today he

1140
00:47:06,880 --> 00:47:03,470
talks about Allison d'Ivoire quite a lot

1141
00:47:09,370 --> 00:47:06,890
but this this interest I have right now

1142
00:47:12,130 --> 00:47:09,380
in this topic has come about because of

1143
00:47:14,589 --> 00:47:12,140
the recent podcast you may have heard

1144
00:47:16,960 --> 00:47:14,599
about called the teacher's pet which is

1145
00:47:18,910 --> 00:47:16,970
investigating a cold case here in

1146
00:47:23,250 --> 00:47:18,920
Australia but on one of the episodes

1147
00:47:26,650 --> 00:47:23,260
they actually play a police recording of

1148
00:47:29,319 --> 00:47:26,660
a psychic which I thought was pretty

1149
00:47:31,420 --> 00:47:29,329
strange anyway I've been investigating

1150
00:47:33,220 --> 00:47:31,430
that lately so you might enjoy this

1151
00:47:35,859 --> 00:47:33,230
interview from years ago about police

1152
00:47:38,470 --> 00:47:35,869
so-called police psychics coming up next

1153
00:47:40,120 --> 00:47:38,480
week it's a busy week ahead for

1154
00:47:42,670 --> 00:47:40,130
Australian skeptics we look forward to

1155
00:47:44,859 --> 00:47:42,680
seeing you at the convention and at the

1156
00:47:47,049 --> 00:47:44,869
free social night with the trivia coming

1157
00:47:49,059 --> 00:47:47,059
up links on this week's show notes but

1158
00:47:55,960 --> 00:47:49,069
for now this is Richard Saunders signing

1159
00:47:57,999 --> 00:47:55,970
off from Sydney Australia you've been

1160
00:48:04,930 --> 00:47:58,009
listening to the skeptic zone podcast

1161
00:48:07,420 --> 00:48:04,940
please visit our website at wwlp.com tax

1162
00:48:11,440 --> 00:48:07,430
and to access the bat catalog of

1163
00:48:13,150 --> 00:48:11,450

episodes going back to 2008 you can

1164
00:48:16,210 --> 00:48:13,160
follow the skeptic zone podcast on

1165
00:48:18,490 --> 00:48:16,220
twitter at skeptic zone visit our

1166
00:48:21,880 --> 00:48:18,500
facebook page or leave a review on

1167
00:48:25,240 --> 00:48:21,890
itunes you can also support the skeptic

1168
00:48:27,609 --> 00:48:25,250
zone via patreon or PayPal the skeptic

1169
00:48:29,769 --> 00:48:27,619
zone podcast is an independent

1170
00:48:31,749 --> 00:48:29,779
production the views and opinions

1171
00:48:33,910 --> 00:48:31,759
expressed on the skeptic zone are not

1172
00:48:36,860 --> 00:48:33,920
necessarily those of Australian skeptics

1173
00:48:48,730 --> 00:48:36,870
or any other sceptical organisation

1174
00:48:54,170 --> 00:48:51,230
it's all the people who listen to the

1175
00:48:57,020 --> 00:48:54,180
show after the music may nod and I had a

1176
00:48:58,790 --> 00:48:57,030
listener I love your phone's going off I

1177
00:49:00,170 --> 00:48:58,800
had a listener write in and say that we

1178
00:49:02,960 --> 00:49:00,180
should call this section the

1179
00:49:04,970 --> 00:49:02,970
afterthoughts that's good that's good

1180
00:49:06,200 --> 00:49:04,980
afterthoughts yep that's a good one for

1181
00:49:12,080 --> 00:49:06,210
it that's a that's a good one I think

1182
00:49:14,450 --> 00:49:12,090
that person should get a prize they

1183
00:49:16,190 --> 00:49:14,460
won't be getting a prize well this is

1184
00:49:17,780 --> 00:49:16,200
pretty special because we know that if

1185
00:49:20,480 --> 00:49:17,790
you are listening at half of the credits

1186
00:49:22,070 --> 00:49:20,490
you ask one starve entertainment and

1187
00:49:23,900 --> 00:49:22,080
probably not a lot of as they like to

1188
00:49:26,180 --> 00:49:23,910

say time on your hands a bit like

1189
00:49:27,650 --> 00:49:26,190
vampire Simpsons so while you know while

1190
00:49:29,599 --> 00:49:27,660
you're not shaking your fist at a cloud

1191
00:49:30,530 --> 00:49:29,609
in an angry manner why don't you roll

1192
00:49:33,770 --> 00:49:30,540
the dice Roger

1193
00:49:35,870 --> 00:49:33,780
I will folks I have it right here

1194
00:49:38,180 --> 00:49:35,880
my dad and I are the first ones here at

1195
00:49:41,300 --> 00:49:38,190
skeptics in the pub by the way so I have

1196
00:49:43,870 --> 00:49:41,310
the 10 sided diet today folks may know

1197
00:49:48,109 --> 00:49:43,880
why don't you do the honors may not just

1198
00:49:49,910 --> 00:49:48,119
is that a four-four okay for the first

1199
00:49:52,220 --> 00:49:49,920
number is four we're gonna roll it four

1200
00:49:54,410 --> 00:49:52,230
times okay and so what is the chance of

1201
00:49:58,820 --> 00:49:54,420
someone getting all four numbers correct

1202
00:50:01,220 --> 00:49:58,830
it's 10 times 10 times 10 times 10 so

1203
00:50:03,710 --> 00:50:01,230
it's seven yes right one in seven chairs

1204
00:50:06,950 --> 00:50:03,720
okay so first number was four second

1205
00:50:10,640 --> 00:50:06,960
number is five oh I can see a pattern

1206
00:50:15,050 --> 00:50:10,650
here five third number is seven seven

1207
00:50:17,359 --> 00:50:15,060
four five seven zero four five seven

1208
00:50:19,609 --> 00:50:17,369
zero which is also Richards pin number

1209
00:50:21,950 --> 00:50:19,619
hits well you can take that at zero or

1210
00:50:26,330 --> 00:50:21,960
10 if you take the 1 as 1 it goes run a

1211
00:50:29,990 --> 00:50:26,340
little on them right up to 0 10 so 4 5 7

1212
00:50:31,250 --> 00:50:30,000
10 no what does it mean well I think

1213
00:50:34,130 --> 00:50:31,260

you've got those numbers you've won

1214
00:50:35,960 --> 00:50:34,140
yourself a meat tray that's somewhere in

1215
00:50:37,280 --> 00:50:35,970
the world you just have to go and ask

1216
00:50:39,200 --> 00:50:37,290
them it could take you a while but

1217
00:50:40,970 --> 00:50:39,210
eventually you will find if you ask it

1218
00:50:42,710 --> 00:50:40,980
an infinite number of pubs for an

1219
00:50:45,199 --> 00:50:42,720
infinite number of meat trays you will

1220
00:50:48,269 --> 00:50:45,209
get an infinite number of meat

1221
00:50:50,160 --> 00:50:48,279
an infinite amount of meat is I think

1222
00:50:52,229 --> 00:50:50,170
you will all right all right

1223
00:50:54,059 --> 00:50:52,239
one more one more for all the people who

1224
00:50:56,039 --> 00:50:54,069
didn't get any numbers and there would

1225
00:50:58,170 --> 00:50:56,049
be a lot of you I'm gonna roll it one

1226
00:51:00,349 --> 00:50:58,180
more time use your psychic powers here

1227
00:51:03,539 --> 00:51:00,359
it comes

1228
00:51:04,170 --> 00:51:03,549
three three well done there and thank

1229
00:51:06,660 --> 00:51:04,180
you for listening

1230
00:51:07,229 --> 00:51:06,670
we must apologize that there are no cats

1231
00:51:10,440 --> 00:51:07,239
oh hang on

1232
00:51:12,449 --> 00:51:10,450
here come the skeptical cats will

1233
00:51:13,890 --> 00:51:12,459
scriptable cats hi skeptical cats I

1234
00:51:16,499 --> 00:51:13,900
believe you've got the power of speech

1235
00:51:19,109 --> 00:51:16,509
yes we believe in evidence-based talking