

1
00:00:06,049 --> 00:00:11,870
welcome to the skeptic zone the podcast

2
00:00:09,109 --> 00:00:13,949
from Australia for science and reason

3
00:00:11,869 --> 00:00:16,850
[Music]

4
00:00:13,949 --> 00:00:23,628
[Applause]

5
00:00:16,850 --> 00:00:23,629
[Music]

6
00:00:24,210 --> 00:00:31,410
yes it's the skeptic zone podcast

7
00:00:26,949 --> 00:00:34,570
episode number 557 for the 23rd of June

8
00:00:31,410 --> 00:00:37,359
2019 Richard Saunders here with you from

9
00:00:34,570 --> 00:00:38,890
the San Francisco Bay Area and I'm glad

10
00:00:37,359 --> 00:00:42,039
to report I haven't felt any earth

11
00:00:38,890 --> 00:00:44,880
tremors this time although I have in the

12
00:00:42,039 --> 00:00:48,250
past when I've been visiting this area I

13
00:00:44,880 --> 00:00:50,379
remember once I was and this ties in

14
00:00:48,250 --> 00:00:52,960
with this week's show I was visiting dr.

15
00:00:50,378 --> 00:00:55,599
eugenie Scott sitting in her front

16
00:00:52,960 --> 00:00:59,289
parlor in a nice comfortable chair and

17
00:00:55,600 --> 00:01:02,050
suddenly I felt a big bump and I blinked

18
00:00:59,289 --> 00:01:03,969
and I looked around and I thought I bet

19
00:01:02,049 --> 00:01:07,629
that was an earth tremor and indeed it

20
00:01:03,969 --> 00:01:09,099
was and several years before that and I

21
00:01:07,629 --> 00:01:13,209
could probably look it up in the records

22
00:01:09,099 --> 00:01:14,978
there was a double tremor two jolts

23
00:01:13,209 --> 00:01:16,209
within an hour of each other or

24
00:01:14,978 --> 00:01:18,909
something like that in the Berkeley

25
00:01:16,209 --> 00:01:20,199
Hills which I felt got me out of bed I

26
00:01:18,909 --> 00:01:22,780
can promise you that in the middle of

27
00:01:20,200 --> 00:01:24,520
the night and my first instinct and

28
00:01:22,780 --> 00:01:28,149
reaction probably based on

29

00:01:24,519 --> 00:01:32,408
I don't know TV was to run and be under

30
00:01:28,149 --> 00:01:35,290
a doorframe if there happens to be any

31
00:01:32,409 --> 00:01:38,109
more earth tremors while I'm here I

32
00:01:35,290 --> 00:01:41,200
shall let you know coming up on this

33
00:01:38,109 --> 00:01:44,618
week's show psychic detectives yes that

34
00:01:41,200 --> 00:01:48,149
topic comes back again now in Australia

35
00:01:44,618 --> 00:01:50,920
at the moment there is a search underway

36
00:01:48,149 --> 00:01:52,899
although the latest news I heard is the

37
00:01:50,920 --> 00:01:55,299
official police searches either being

38
00:01:52,899 --> 00:01:58,000
called off or scaled back is the

39
00:01:55,299 --> 00:02:00,549
backpack up just a kid a 19 year old guy

40
00:01:58,000 --> 00:02:02,409
from Belgium has gone missing on the far

41
00:02:00,549 --> 00:02:04,929
north coast of New South Wales not far

42
00:02:02,409 --> 00:02:06,159
from where Heidi Robinson lives our

43
00:02:04,929 --> 00:02:09,189

reporter from the Northern Rivers

44

00:02:06,159 --> 00:02:13,500

vaccination supporters he's gone missing

45

00:02:09,189 --> 00:02:16,930

there's been frantic searches and as

46

00:02:13,500 --> 00:02:19,870

night follows day people who think they

47

00:02:16,930 --> 00:02:23,560

have special psychic magical powers have

48

00:02:19,870 --> 00:02:25,390

offered their help and I thought this

49

00:02:23,560 --> 00:02:29,140

was a good opportunity to once again

50

00:02:25,389 --> 00:02:30,878

look into the topic of so-called psychic

51

00:02:29,139 --> 00:02:32,939

detectives or people who think they have

52

00:02:30,878 --> 00:02:35,729

wonderful powers

53

00:02:32,939 --> 00:02:37,800

for whatever motivation be it from the

54

00:02:35,729 --> 00:02:40,619

goodness of their heart or something

55

00:02:37,800 --> 00:02:43,890

more sinister we usually end up plaguing

56

00:02:40,620 --> 00:02:45,569

the police with useless information so

57

00:02:43,889 --> 00:02:48,239

in this episode we'll look at a couple

58
00:02:45,569 --> 00:02:52,099
of cases in Australia where these

59
00:02:48,240 --> 00:02:54,689
psychic detectives and other people have

60
00:02:52,099 --> 00:02:57,569
well basically made nuisances of

61
00:02:54,689 --> 00:03:00,539
themselves after that without any earth

62
00:02:57,569 --> 00:03:02,939
tremors I visit the Berkeley Botanic

63
00:03:00,539 --> 00:03:04,679
Gardens with dr. eugenie Scott to

64
00:03:02,939 --> 00:03:07,229
discover what the National Center for

65
00:03:04,680 --> 00:03:10,319
Science education were up to on the day

66
00:03:07,229 --> 00:03:13,469
and the day was dedicated to bugs to

67
00:03:10,319 --> 00:03:15,750
insects I even saw a tarantula which was

68
00:03:13,469 --> 00:03:16,949
quite impressive but we visit the table

69
00:03:15,750 --> 00:03:19,110
of the National Center for science

70
00:03:16,949 --> 00:03:21,599
education to discover what they're doing

71
00:03:19,110 --> 00:03:23,580
with their science outreach talking

72
00:03:21,599 --> 00:03:26,189
about mosquitoes and I get to make a

73
00:03:23,580 --> 00:03:29,160
keychain now good news a feel-good story

74
00:03:26,189 --> 00:03:30,359
this week on the skeptic zone then to

75
00:03:29,159 --> 00:03:33,509
round off the show something different

76
00:03:30,360 --> 00:03:35,610
something different we dive back into

77
00:03:33,509 --> 00:03:38,280
the pages of the Australian Woman's

78
00:03:35,610 --> 00:03:39,750
Weekly magazine although in this report

79
00:03:38,280 --> 00:03:41,489
I sometimes refer to it as the

80
00:03:39,750 --> 00:03:42,360
Australian Women's Weekly it's a bit of

81
00:03:41,489 --> 00:03:44,480
a slip of the tongue

82
00:03:42,360 --> 00:03:47,520
it's the Australian Woman's Weekly

83
00:03:44,479 --> 00:03:52,289
magazine famous magazine in Australia

84
00:03:47,520 --> 00:03:54,719
and we dive back to 1977 to discover

85
00:03:52,289 --> 00:03:59,060
what they were telling their readers

86

00:03:54,719 --> 00:04:03,680
about ESP do you remember that term ESP

87
00:03:59,060 --> 00:04:06,810
before the term psychic was widely used

88
00:04:03,680 --> 00:04:10,020
all those things back in the 1970s was

89
00:04:06,810 --> 00:04:13,590
basically round ESP extrasensory

90
00:04:10,020 --> 00:04:14,489
perception as a phrase a term you don't

91
00:04:13,590 --> 00:04:18,780
hear much anymore

92
00:04:14,489 --> 00:04:21,030
do you have ESP included in this look

93
00:04:18,779 --> 00:04:24,479
back is a test you can do to determine

94
00:04:21,029 --> 00:04:28,229
if you have ESP now don't forget you

95
00:04:24,480 --> 00:04:30,360
people in Australia and New Zealand both

96
00:04:28,230 --> 00:04:33,810
countries have national skeptics

97
00:04:30,360 --> 00:04:36,150
conventions coming up conference 2019 in

98
00:04:33,810 --> 00:04:39,360
New Zealand will be held at the Arts

99
00:04:36,149 --> 00:04:42,629
Centre in Christchurch and that's at the

100
00:04:39,360 --> 00:04:45,360

end of November and the special guests

101

00:04:42,629 --> 00:04:46,560

the skeptics guide to the universe

102

00:04:45,360 --> 00:04:48,840

and the skeptics guide to the universe

103

00:04:46,560 --> 00:04:50,250

crew will also be attending the

104

00:04:48,839 --> 00:04:52,709

Australian skeptics National Convention

105

00:04:50,250 --> 00:04:54,930

in Melbourne put them in your diary

106

00:04:52,709 --> 00:04:56,609

links in this week's show notes more

107

00:04:54,930 --> 00:04:58,650

announcements from me at the end of the

108

00:04:56,610 --> 00:05:02,189

show but before we get stuck into the

109

00:04:58,649 --> 00:05:05,158

show a big congratulations to my dear

110

00:05:02,189 --> 00:05:06,740

friend dr. Pamela gay the wonderfully

111

00:05:05,158 --> 00:05:09,598

entertaining and knowledgeable

112

00:05:06,740 --> 00:05:11,129

astronomer who you hear regularly on the

113

00:05:09,598 --> 00:05:13,050

skeptic zone with promotions for

114

00:05:11,129 --> 00:05:16,680

astronomy cast her podcast she does with

115
00:05:13,050 --> 00:05:20,340
Fraser Cain Pamela and I'm reading off

116
00:05:16,680 --> 00:05:24,509
the humanist comm website where it says

117
00:05:20,339 --> 00:05:25,439
meet the 2019 Isaac Asimov Science Award

118
00:05:24,509 --> 00:05:27,960
recipient

119
00:05:25,439 --> 00:05:30,629
Pamela gay dr. Pamela gay is an

120
00:05:27,959 --> 00:05:33,180
astronomer writer and podcaster focused

121
00:05:30,629 --> 00:05:36,000
on using new media to engage people in

122
00:05:33,180 --> 00:05:38,459
science and technology her most well

123
00:05:36,000 --> 00:05:41,430
known project is astronomy cast a

124
00:05:38,459 --> 00:05:44,158
podcast in its ninth year that she

125
00:05:41,430 --> 00:05:47,009
co-hosts with the Fraser Cain producer

126
00:05:44,158 --> 00:05:49,139
of Universe Today she also helped build

127
00:05:47,009 --> 00:05:51,750
the Cosmo quest a virtual research

128
00:05:49,139 --> 00:05:54,090
facility a second-generation citizen

129
00:05:51,750 --> 00:05:55,978
science site designed to provide the

130
00:05:54,089 --> 00:05:59,250
public with opportunities to participate

131
00:05:55,978 --> 00:06:01,439
in NASA related science programs while

132
00:05:59,250 --> 00:06:04,680
also giving them access to online

133
00:06:01,439 --> 00:06:06,750
seminars star parties classes and more

134
00:06:04,680 --> 00:06:08,579
and the article goes on it's quite

135
00:06:06,750 --> 00:06:10,468
lengthy worth your time to have a look

136
00:06:08,579 --> 00:06:14,038
but I really wanted to say a heartfelt

137
00:06:10,468 --> 00:06:16,560
congratulations to dr. Pamela gay a very

138
00:06:14,038 --> 00:06:17,848
hard-working woman indeed well that's

139
00:06:16,560 --> 00:06:21,569
enough for me at the moment it's time

140
00:06:17,848 --> 00:06:24,060
for me to run upstairs grab a nice cold

141
00:06:21,569 --> 00:06:25,949
root beer from the fridge and maybe a

142
00:06:24,060 --> 00:06:28,800
hotdog or something very American I'm

143

00:06:25,949 --> 00:06:31,139
not sure what tuned into the television

144
00:06:28,800 --> 00:06:34,468
and see the Australian women's soccer

145
00:06:31,139 --> 00:06:37,110
team faced off with Norway at the World

146
00:06:34,468 --> 00:06:38,939
Cup well I'm doing all that because

147
00:06:37,110 --> 00:06:42,270
things are recorded in a strange order

148
00:06:38,939 --> 00:06:44,009
for any podcast I think I hope you enjoy

149
00:06:42,269 --> 00:07:13,438
the skeptic zone

150
00:06:44,009 --> 00:07:15,899
[Music]

151
00:07:13,439 --> 00:07:18,360
it wasn't so long ago on the sceptic

152
00:07:15,899 --> 00:07:21,439
zone and I was speaking to my old friend

153
00:07:18,360 --> 00:07:24,389
Ben Radford Ben as you might remember

154
00:07:21,439 --> 00:07:26,699
here's one of the United States leading

155
00:07:24,389 --> 00:07:29,598
authorities when it comes to the

156
00:07:26,699 --> 00:07:33,689
question of so-called psychic detectives

157
00:07:29,598 --> 00:07:35,728

and this topic is one of my I don't want

158

00:07:33,689 --> 00:07:40,409

to say the word favorite but it sounds a

159

00:07:35,728 --> 00:07:43,558

bit weird it's one of my well it's one

160

00:07:40,408 --> 00:07:47,188

of the topics I find very interesting in

161

00:07:43,559 --> 00:07:48,989

the skeptical realm and sphere and I

162

00:07:47,189 --> 00:07:50,519

must think our reporter Heidi Robertson

163

00:07:48,988 --> 00:07:53,698

from the Northern Rivers vaccination

164

00:07:50,519 --> 00:07:55,408

supporters who drew my attention to a

165

00:07:53,699 --> 00:07:59,158

case that's happening in her neck of the

166

00:07:55,408 --> 00:08:01,558

woods at the moment was very unfortunate

167

00:07:59,158 --> 00:08:05,848

a worrying case at the moment

168

00:08:01,559 --> 00:08:07,319

concerning a young backpacker visiting

169

00:08:05,848 --> 00:08:12,209

Australia from Belgium

170

00:08:07,319 --> 00:08:15,598

Theo hay is now Theo disappeared from

171

00:08:12,209 --> 00:08:19,649

the Byron Bay Area on May the 31st there

172
00:08:15,598 --> 00:08:22,588
are records of him visiting a wine shop

173
00:08:19,649 --> 00:08:26,309
and alcohol shop bottle shop and offi

174
00:08:22,588 --> 00:08:30,509
whatever you want to call it which is on

175
00:08:26,309 --> 00:08:32,668
videotape on the CC tape and then there

176
00:08:30,509 --> 00:08:35,699
are reports of him leaving a nightclub

177
00:08:32,668 --> 00:08:38,250
apparently intoxicated anyway he has

178
00:08:35,698 --> 00:08:42,269
gone missing and it was some days before

179
00:08:38,250 --> 00:08:43,708
I think the alarm was raised and those

180
00:08:42,269 --> 00:08:45,269
people in Australia will be very

181
00:08:43,708 --> 00:08:48,448
familiar with this case because it's

182
00:08:45,269 --> 00:08:51,269
currently on the news media large-scale

183
00:08:48,448 --> 00:08:53,338
searches of the Byron Bay area and there

184
00:08:51,269 --> 00:08:56,159
are some rugged areas around Byron Bay

185
00:08:53,339 --> 00:08:59,759
and some cliffs and things like that so

186
00:08:56,159 --> 00:09:03,808
far at the time of recording the police

187
00:08:59,759 --> 00:09:05,129
have not yet found the whereabouts of

188
00:09:03,808 --> 00:09:08,578
missing theo

189
00:09:05,129 --> 00:09:10,169
Hayes and I'm sure the police are

190
00:09:08,578 --> 00:09:13,888
grateful for all the help and support

191
00:09:10,169 --> 00:09:16,469
the local community has given being out

192
00:09:13,889 --> 00:09:19,829
there searching for this missing

193
00:09:16,470 --> 00:09:21,870
backpacker and well I must admit you

194
00:09:19,828 --> 00:09:23,489
know a missing backpacker does strike a

195
00:09:21,870 --> 00:09:25,198
chord with me because many years ago

196
00:09:23,490 --> 00:09:25,930
many years ago I used to work in the

197
00:09:25,198 --> 00:09:28,778
backpack

198
00:09:25,929 --> 00:09:31,179
industry but yes police are grateful for

199
00:09:28,778 --> 00:09:33,490
the help of locals in getting out there

200

00:09:31,179 --> 00:09:38,789
and helping to search but what I'm sure

201
00:09:33,490 --> 00:09:41,528
they don't need is the interference and

202
00:09:38,789 --> 00:09:43,509
confusion and false hopes brought up by

203
00:09:41,528 --> 00:09:46,539
so-called psychic detectives or just

204
00:09:43,509 --> 00:09:51,000
psychics and we have a look at the case

205
00:09:46,539 --> 00:09:56,549
of one of these people by the name of TK

206
00:09:51,000 --> 00:09:59,740
t EA ka Wai and she's a self-proclaimed

207
00:09:56,549 --> 00:10:02,588
psychic who lives on the Sunshine Coast

208
00:09:59,740 --> 00:10:05,620
and the Sunshine Coast is roughly a

209
00:10:02,589 --> 00:10:08,470
three hour drive away from the Byron Bay

210
00:10:05,620 --> 00:10:11,620
Area and a quick google of her name

211
00:10:08,470 --> 00:10:14,680
returns results like psychic claims

212
00:10:11,620 --> 00:10:17,620
belgium backpacker theo haze is stuck on

213
00:10:14,679 --> 00:10:21,519
a cliff psychic claims missing belgium

214
00:10:17,620 --> 00:10:24,120

backpacker is alive and so on so the

215

00:10:21,519 --> 00:10:27,220

press are reporting what a

216

00:10:24,120 --> 00:10:31,659

self-proclaimed psychic has to say about

217

00:10:27,220 --> 00:10:33,759

an ongoing case it's news it's making

218

00:10:31,659 --> 00:10:35,139

the news and just taking one of these

219

00:10:33,759 --> 00:10:37,269

news reports at random

220

00:10:35,139 --> 00:10:40,059

psychic claims belgium backpacker theo

221

00:10:37,269 --> 00:10:43,329

hay is is quote stuck on a cliff top in

222

00:10:40,059 --> 00:10:45,819

quote an australian psychic has claimed

223

00:10:43,330 --> 00:10:49,240

missing belgium backpacker theo hairs is

224

00:10:45,820 --> 00:10:51,850

alive and stranded on a byron bay cliff

225

00:10:49,240 --> 00:10:55,060

top self-proclaimed psychic medium

226

00:10:51,850 --> 00:10:57,610

TK took to facebook on wednesday to urge

227

00:10:55,059 --> 00:10:59,919

residents to conduct a search in broken

228

00:10:57,610 --> 00:11:03,909

head New South Wales claiming she can

229
00:10:59,919 --> 00:11:07,419
see the 18 year old trapped in a rugged

230
00:11:03,909 --> 00:11:10,449
area and they have reproduced here a

231
00:11:07,419 --> 00:11:14,379
screenshot of her Facebook posting which

232
00:11:10,450 --> 00:11:18,070
says okay now I'm going to put this here

233
00:11:14,379 --> 00:11:21,189
I have to I have been using my psychic

234
00:11:18,070 --> 00:11:25,770
medium skills to track where Theo Hayes

235
00:11:21,190 --> 00:11:29,410
has been is at etc since last night

236
00:11:25,769 --> 00:11:33,100
broken head needs to be searched ASAP

237
00:11:29,409 --> 00:11:36,100
the rugged part oceanside please if

238
00:11:33,100 --> 00:11:39,320
anyone is near go there go out there

239
00:11:36,100 --> 00:11:42,320
listen out for him calling out help

240
00:11:39,320 --> 00:11:45,350
I call out to him too I can see him

241
00:11:42,320 --> 00:11:46,070
stuck in an area he did not realize was

242
00:11:45,350 --> 00:11:48,050
so rugged

243

00:11:46,070 --> 00:11:50,509

he was walking through bush last night

244

00:11:48,049 --> 00:11:50,719

towards the ocean because he could hear

245

00:11:50,509 --> 00:11:54,379

it

246

00:11:50,720 --> 00:11:57,860

I saw the moonlight on his face he is

247

00:11:54,379 --> 00:12:01,039

worn out but has had drinking water from

248

00:11:57,860 --> 00:12:03,019

the land yes there are other things that

249

00:12:01,039 --> 00:12:05,990

have happened as far as I have been able

250

00:12:03,019 --> 00:12:10,129

to see but this is what is most

251

00:12:05,990 --> 00:12:12,560

important now people have broken head go

252

00:12:10,129 --> 00:12:14,568

out there and call out to him and listen

253

00:12:12,559 --> 00:12:17,448

for his call thank you

254

00:12:14,568 --> 00:12:20,719

and with some information that's come to

255

00:12:17,448 --> 00:12:23,328

me via Facebook postings there are

256

00:12:20,720 --> 00:12:27,470

people out there who have read this and

257

00:12:23,328 --> 00:12:29,750
have gone to exactly where T K has

258
00:12:27,470 --> 00:12:32,480
suggested they look and even sent

259
00:12:29,750 --> 00:12:34,250
photographs of them searching t K is of

260
00:12:32,480 --> 00:12:37,579
course fueling this activity and she

261
00:12:34,250 --> 00:12:40,309
goes on to say in other posts Theo is in

262
00:12:37,578 --> 00:12:43,099
a very dense area he got stuck in the

263
00:12:40,309 --> 00:12:45,198
area last night whilst he was trying to

264
00:12:43,100 --> 00:12:47,600
head to the beach he could hear the

265
00:12:45,198 --> 00:12:49,698
ocean that's why he was moving towards

266
00:12:47,600 --> 00:12:53,778
it last night unfortunately he did not

267
00:12:49,698 --> 00:12:56,870
see he was going deep into a valley type

268
00:12:53,778 --> 00:12:59,809
area a low area he is now worn out and

269
00:12:56,870 --> 00:13:03,129
to be clear and this is all in caps

270
00:12:59,809 --> 00:13:04,458
I have already passed on all information

271
00:13:03,129 --> 00:13:09,379

thank you

272

00:13:04,458 --> 00:13:11,328
and somebody replying - TK TK I don't

273

00:13:09,379 --> 00:13:14,088
know whether this might be anything but

274

00:13:11,328 --> 00:13:17,120
dot dot a film called

275

00:13:14,089 --> 00:13:19,579
girl in the spider's web was showing

276

00:13:17,120 --> 00:13:21,649
ages ago at the pig house flicks movie

277

00:13:19,578 --> 00:13:24,649
house in byron but it's in the vicinity

278

00:13:21,649 --> 00:13:28,399
and you seem to be really connected with

279

00:13:24,649 --> 00:13:31,399
the spider web part dot dot i wonder if

280

00:13:28,399 --> 00:13:34,220
this area near the cinema needs to be

281

00:13:31,399 --> 00:13:36,078
explored further and it just goes on

282

00:13:34,220 --> 00:13:40,899
with these people feeding off each

283

00:13:36,078 --> 00:13:44,448
other's delusions and it is a pity that

284

00:13:40,899 --> 00:13:47,629
this story is getting media attention of

285

00:13:44,448 --> 00:13:50,809
these ramblings from somebody who thinks

286
00:13:47,629 --> 00:13:52,669
they're psychic again it's because it

287
00:13:50,809 --> 00:13:55,129
involves the current case

288
00:13:52,669 --> 00:13:58,669
and as our friend Heidi Robertson points

289
00:13:55,129 --> 00:14:01,250
out that the TK sent people out at 4

290
00:13:58,669 --> 00:14:05,199
p.m. when it gets dark around 5 p.m.

291
00:14:01,250 --> 00:14:08,210
into dense and dangerous terrain on her

292
00:14:05,200 --> 00:14:10,730
fields and she says police have a

293
00:14:08,210 --> 00:14:12,980
coordinated rescue effort in place and

294
00:14:10,730 --> 00:14:16,340
this is not helping if someone else gets

295
00:14:12,980 --> 00:14:19,789
injured where is the accountability on

296
00:14:16,340 --> 00:14:21,649
her and we have yet another case of a

297
00:14:19,789 --> 00:14:24,019
psychic in the news at the moment a

298
00:14:21,649 --> 00:14:28,389
so-called psychic in this instance it's

299
00:14:24,019 --> 00:14:30,889
the case of William Terrell who aged 3

300
00:14:28,389 --> 00:14:33,289
disappeared from Kendall New South Wales

301
00:14:30,889 --> 00:14:36,799
and that was on the 12th of September

302
00:14:33,289 --> 00:14:40,399
2014 he's still missing and it has

303
00:14:36,799 --> 00:14:43,399
become quite a famous case with ongoing

304
00:14:40,399 --> 00:14:46,730
investigations and so we have somebody

305
00:14:43,399 --> 00:14:50,720
called Pamela Coronado in the United

306
00:14:46,730 --> 00:14:54,800
States and she's known for being on

307
00:14:50,720 --> 00:14:56,690
programs like dr. Phil she claims to be

308
00:14:54,799 --> 00:14:58,309
a psychic detective and indeed looking

309
00:14:56,690 --> 00:15:00,080
her up on the internet I've come across

310
00:14:58,309 --> 00:15:02,449
videos of her claiming to be a psychic

311
00:15:00,080 --> 00:15:05,570
detective recently she was asked about

312
00:15:02,450 --> 00:15:08,540
the William toriel case and well this is

313
00:15:05,570 --> 00:15:12,290
what she had to say I don't get remains

314

00:15:08,539 --> 00:15:15,199

I look at it like I said if I go to

315

00:15:12,289 --> 00:15:19,120

where he is in this moment sit next to

316

00:15:15,200 --> 00:15:24,550

him he's munching on a sandwich and

317

00:15:19,120 --> 00:15:24,549

talking to a little friend whose age and

318

00:15:24,750 --> 00:15:30,200

[Music]

319

00:15:27,250 --> 00:15:32,240

and he seems like a kid that doesn't

320

00:15:30,200 --> 00:15:34,550

have a care in the world like he's the

321

00:15:32,240 --> 00:15:38,779

normal kid like he's acting like it

322

00:15:34,549 --> 00:15:42,319

won't look good when I keep seeing those

323

00:15:38,779 --> 00:15:43,759

like metal old fat you know we don't

324

00:15:42,320 --> 00:15:46,040

have them here anymore anything's

325

00:15:43,759 --> 00:15:47,840

plastic but we used to have metal play

326

00:15:46,039 --> 00:15:49,610

equipment you know that you climbed on

327

00:15:47,840 --> 00:15:52,009

monkey bars I've been followed monkey

328

00:15:49,610 --> 00:15:56,629

bars my go around the front of the

329

00:15:52,009 --> 00:15:58,750

school I wonder if it's private I wonder

330

00:15:56,629 --> 00:16:02,080

if it's us a church like Church

331

00:15:58,750 --> 00:16:04,789

affiliated or you reminds me of a church

332

00:16:02,080 --> 00:16:09,020

so according to Pamela cornado

333

00:16:04,789 --> 00:16:11,689

William Terrell is alive and living on

334

00:16:09,019 --> 00:16:13,909

the other side of the country in Western

335

00:16:11,690 --> 00:16:18,260

Australia now looking up information

336

00:16:13,909 --> 00:16:22,360

about Pamela Coronado we discover that a

337

00:16:18,259 --> 00:16:24,259

lot of the media reporting on this

338

00:16:22,360 --> 00:16:27,139

regurgitate the same bit of information

339

00:16:24,259 --> 00:16:30,649

that she helped California police find a

340

00:16:27,139 --> 00:16:34,129

missing person in 1996 all I can find on

341

00:16:30,649 --> 00:16:36,679

that in what I will admit as a brief

342

00:16:34,129 --> 00:16:38,629

search is the same thing repeated again

343
00:16:36,679 --> 00:16:41,359
and again and there's a reference to

344
00:16:38,629 --> 00:16:44,029
this on her own website so it certainly

345
00:16:41,360 --> 00:16:45,649
looks like a case of other media outlets

346
00:16:44,029 --> 00:16:47,539
going to her web site looking at the

347
00:16:45,649 --> 00:16:50,059
information and simply regurgitating it

348
00:16:47,539 --> 00:16:51,469
well let's be honest they don't have

349
00:16:50,059 --> 00:16:53,479
time to really investigate these things

350
00:16:51,470 --> 00:16:56,000
they've got a story to produce and

351
00:16:53,480 --> 00:16:57,889
that's what they do I'd imagine that

352
00:16:56,000 --> 00:16:59,389
this psychic in the United States are

353
00:16:57,889 --> 00:17:04,220
saying that Australian boy William

354
00:16:59,389 --> 00:17:06,949
Terrell is alive well we certainly hope

355
00:17:04,220 --> 00:17:10,309
so we certainly really do hope so but

356
00:17:06,949 --> 00:17:13,070
this is in contradiction to local

357
00:17:10,309 --> 00:17:16,338
psychics in Australia who say that

358
00:17:13,069 --> 00:17:18,379
William Tyrael is dead and I have a

359
00:17:16,338 --> 00:17:20,899
couple of examples which I use in one of

360
00:17:18,380 --> 00:17:24,430
my talks about psychic detectives we

361
00:17:20,900 --> 00:17:29,030
have the example of psychic medium

362
00:17:24,430 --> 00:17:31,580
Karen and psychic medium Karen uses a

363
00:17:29,029 --> 00:17:33,559
spirit box which we've discussed on the

364
00:17:31,579 --> 00:17:35,679
skeptical zone before for those of you who

365
00:17:33,559 --> 00:17:36,919
don't know a spirit box is a little

366
00:17:35,680 --> 00:17:39,650
receiver

367
00:17:36,920 --> 00:17:40,370
radio receiver which rapidly flips

368
00:17:39,650 --> 00:17:42,830
through free

369
00:17:40,369 --> 00:17:44,629
Quincy's one after the other stops for

370
00:17:42,829 --> 00:17:46,789
about a second and then carries on and

371

00:17:44,630 --> 00:17:49,400
every now and then you pick up a word or

372
00:17:46,789 --> 00:17:51,829
two from some transmission and then

373
00:17:49,400 --> 00:17:55,160
maybe a partial word or something like

374
00:17:51,829 --> 00:17:59,839
that and the idea is this is really the

375
00:17:55,160 --> 00:18:04,400
spirits using radio waves to contact the

376
00:17:59,839 --> 00:18:05,119
medium yes it it is as ridiculous as it

377
00:18:04,400 --> 00:18:09,820
sounds

378
00:18:05,119 --> 00:18:12,589
however psychic medium Karen has

379
00:18:09,819 --> 00:18:15,428
discovered by use of this spirit box

380
00:18:12,589 --> 00:18:18,079
that William Terrell is dead

381
00:18:15,429 --> 00:18:20,500
can I speak to really want Terrell

382
00:18:18,079 --> 00:18:20,500
please

383
00:18:26,339 --> 00:18:41,189
we took here William dad

384
00:18:36,410 --> 00:18:43,410
and that was psychic medium Karen using

385
00:18:41,190 --> 00:18:46,410

her spirit box talking to the spirit of

386

00:18:43,410 --> 00:18:49,710

the late William Terrell if we were to

387

00:18:46,410 --> 00:18:55,680

believe her also we have the people from

388

00:18:49,710 --> 00:18:59,910

yes why dot e dot s dot your why are you

389

00:18:55,680 --> 00:19:01,680

are experiencing supernatural and a

390

00:18:59,910 --> 00:19:03,330

quick look at their webpage provides us

391

00:19:01,680 --> 00:19:05,310

with the services they offer

392

00:19:03,329 --> 00:19:08,069

palm reading at one hundred and fifty

393

00:19:05,309 --> 00:19:10,079

dollars an hour house energy cleansing

394

00:19:08,069 --> 00:19:12,529

two hundred dollars mediumship one

395

00:19:10,079 --> 00:19:14,759

hundred and fifty dollars and so on even

396

00:19:12,529 --> 00:19:17,399

exorcisms at three hundred dollars

397

00:19:14,759 --> 00:19:20,490

something to keep in mind and one of the

398

00:19:17,400 --> 00:19:23,250

crew at this at this site

399

00:19:20,490 --> 00:19:27,049

Verena has also of the opinion that

400
00:19:23,250 --> 00:19:32,519
William Tyrell is dead because his

401
00:19:27,049 --> 00:19:35,009
spirit contacted her not only that that

402
00:19:32,519 --> 00:19:37,769
she and her crew set off to the area

403
00:19:35,009 --> 00:19:42,119
from which William was apparently

404
00:19:37,769 --> 00:19:44,849
abducted to do their own search complete

405
00:19:42,119 --> 00:19:47,909
with a toy spider-man that they said on

406
00:19:44,849 --> 00:19:50,459
the ground in bushland to encourage the

407
00:19:47,910 --> 00:19:53,009
spirit of William Terrell he is a short

408
00:19:50,460 --> 00:19:55,350
clip from one of their videos hi I'm

409
00:19:53,009 --> 00:19:59,129
Karina from yes sir experiencing

410
00:19:55,349 --> 00:20:01,980
supernatural and psychic wonders now why

411
00:19:59,130 --> 00:20:04,080
I'm talking to you today is to make you

412
00:20:01,980 --> 00:20:06,930
aware of what we're up to it's

413
00:20:04,079 --> 00:20:08,879
paranormal investigative crew Altena

414
00:20:06,930 --> 00:20:12,200
Brian and myself will be going to

415
00:20:08,880 --> 00:20:15,750
Kendall New South Wales to in search of

416
00:20:12,200 --> 00:20:18,240
William Terrell now why are we doing

417
00:20:15,750 --> 00:20:19,890
this is because William came to me a

418
00:20:18,240 --> 00:20:24,420
very long time ago couple years ago

419
00:20:19,890 --> 00:20:26,910
three when he first went missing his

420
00:20:24,420 --> 00:20:29,400
spirit came to me from a computer there

421
00:20:26,910 --> 00:20:32,220
and yes we believe he has passed and not

422
00:20:29,400 --> 00:20:32,620
long after he went missing now we have

423
00:20:32,220 --> 00:20:34,569
had

424
00:20:32,619 --> 00:20:36,459
leaves and we have given everything all

425
00:20:34,569 --> 00:20:40,569
the information to the police

426
00:20:36,460 --> 00:20:44,558
years ago so is William Dead or Alive we

427
00:20:40,569 --> 00:20:46,240
certainly all hope he is still alive he

428

00:20:44,558 --> 00:20:48,759
has been abducted and is living

429
00:20:46,240 --> 00:20:50,680
somewhere when I can't help wondering

430
00:20:48,759 --> 00:20:53,259
why the media have not bothered to make

431
00:20:50,680 --> 00:20:55,720
the same point I just made is that we

432
00:20:53,259 --> 00:20:57,308
have so-called psychics saying that he's

433
00:20:55,720 --> 00:20:59,380
alive and well and living somewhere in

434
00:20:57,308 --> 00:21:01,000
psychics saying he's dead and has

435
00:20:59,380 --> 00:21:04,830
already passed over and sending the

436
00:21:01,000 --> 00:21:07,329
messages from the beyond if William is

437
00:21:04,829 --> 00:21:09,669
discovered alive of course the psychic

438
00:21:07,329 --> 00:21:12,519
here in the United States will claim it

439
00:21:09,670 --> 00:21:15,820
as a victory if William is sadly

440
00:21:12,519 --> 00:21:17,740
discovered to have died and the psychics

441
00:21:15,819 --> 00:21:18,399
in Australia will claim that they knew

442
00:21:17,740 --> 00:21:20,740

it all along

443

00:21:18,400 --> 00:21:25,000
but I'll in this little report with a

444

00:21:20,740 --> 00:21:26,920
short clip from the former Detective

445

00:21:25,000 --> 00:21:29,170
Chief Inspector Gary jubilant who was

446

00:21:26,920 --> 00:21:31,660
working on the William Tyrol case who

447

00:21:29,170 --> 00:21:33,460
held a press conference on the third

448

00:21:31,660 --> 00:21:35,800
anniversary of the disappearance of

449

00:21:33,460 --> 00:21:38,350
William Tyrell and made the following

450

00:21:35,799 --> 00:21:39,009
remarks encourage those people to come

451

00:21:38,349 --> 00:21:40,959
forth

452

00:21:39,009 --> 00:21:42,759
but please don't waste our time we're

453

00:21:40,960 --> 00:21:44,769
not interested in information from

454

00:21:42,759 --> 00:21:46,980
clairvoyance or people that have dreams

455

00:21:44,769 --> 00:21:49,269
we've focused on this investigation

456

00:21:46,980 --> 00:21:53,490
following up information that's relevant

457
00:21:49,269 --> 00:21:56,528
to Williams disappearance be mindful

458
00:21:53,490 --> 00:21:56,528
[Music]

459
00:21:57,339 --> 00:22:03,129
how frustrating especially when you're

460
00:22:00,528 --> 00:22:03,130
trying to run

461
00:22:03,630 --> 00:22:08,950
very annoying very annoying and I think

462
00:22:07,509 --> 00:22:11,109
quite often they prey on vulnerable

463
00:22:08,950 --> 00:22:12,970
people I've seen it not just in this

464
00:22:11,109 --> 00:22:15,969
investigation in other investigations

465
00:22:12,970 --> 00:22:18,130
where they involve themselves in the

466
00:22:15,970 --> 00:22:21,190
investigation based on a dream or you

467
00:22:18,130 --> 00:22:23,440
know claim to be clairvoyant I've never

468
00:22:21,190 --> 00:22:24,700
seen a clairvoyant solve it solving the

469
00:22:23,440 --> 00:22:26,890
investigation that's just a distraction

470
00:22:24,700 --> 00:22:29,110
it's a distraction that takes up our

471
00:22:26,890 --> 00:22:31,690
time and we'd like to focus on the facts

472
00:22:29,109 --> 00:22:34,869
and information proper information to to

473
00:22:31,690 --> 00:22:38,470
follow up on well we all hope that both

474
00:22:34,869 --> 00:22:41,529
Theo and William are discovered alive

475
00:22:38,470 --> 00:22:43,480
and well and if they are I'm sure it

476
00:22:41,529 --> 00:22:46,899
will be with absolutely no help

477
00:22:43,480 --> 00:22:48,650
whatsoever from so-called psychic

478
00:22:46,900 --> 00:23:03,620
detective

479
00:22:48,650 --> 00:23:03,620
[Music]

480
00:23:04,839 --> 00:23:10,339
hey fellow skeptics in Medford here with

481
00:23:08,210 --> 00:23:12,379
Celeste reward your friendly host of

482
00:23:10,339 --> 00:23:14,238
squaring the strange a podcast that

483
00:23:12,378 --> 00:23:16,638
looks at topics ranging from Legends

484
00:23:14,239 --> 00:23:18,860
panics and cryptids to PD myths

485

00:23:16,638 --> 00:23:20,928
psychology and folklore breaking things

486
00:23:18,859 --> 00:23:23,028
down and picking things apart as we

487
00:23:20,929 --> 00:23:25,309
skeptics do we bring a few different

488
00:23:23,028 --> 00:23:27,798
perspectives on things Fletcher for

489
00:23:25,308 --> 00:23:28,908
example is a witty cartoonist and Ben is

490
00:23:27,798 --> 00:23:31,158
a brilliant writer and longtime

491
00:23:28,909 --> 00:23:33,590
skeptical investigator we don't always

492
00:23:31,159 --> 00:23:35,840
agree well we have fun trying and we

493
00:23:33,589 --> 00:23:38,480
learn new things join us for new topics

494
00:23:35,839 --> 00:23:40,759
every week or two or browse our backlog

495
00:23:38,480 --> 00:23:43,339
of evergreen episodes available on

496
00:23:40,759 --> 00:23:45,798
iTunes and all your podcast feeding

497
00:23:43,339 --> 00:23:48,368
troughs squaring the strange take care

498
00:23:45,798 --> 00:23:48,368
of strangers

499
00:23:51,109 --> 00:24:06,238

[Music]

500

00:24:06,460 --> 00:24:14,150

the University of California Botanical

501

00:24:09,710 --> 00:24:16,669

Gardens is a 34 acre or 13.7 hectare the

502

00:24:14,150 --> 00:24:18,980

technical garden located on the

503

00:24:16,669 --> 00:24:22,159

University of California Berkeley campus

504

00:24:18,980 --> 00:24:25,130

in Strawberry Canyon the garden is in

505

00:24:22,159 --> 00:24:26,990

the Berkeley Hills inside the city

506

00:24:25,130 --> 00:24:29,870

boundary of Oakland we have views

507

00:24:26,990 --> 00:24:31,429

overlooking the San Francisco Bay it is

508

00:24:29,869 --> 00:24:33,199

one of the most diverse plant

509

00:24:31,429 --> 00:24:36,288

collections in the United States and

510

00:24:33,200 --> 00:24:40,640

famous for its large number of rare and

511

00:24:36,288 --> 00:24:42,679

endangered species it was a pleasure to

512

00:24:40,640 --> 00:24:46,070

visit the Botanical Gardens in the

513

00:24:42,679 --> 00:24:48,590

company of dr. eugenie Scott and blacks

514
00:24:46,069 --> 00:24:54,339
the groups exhibiting was the National

515
00:24:48,589 --> 00:24:56,839
Center for Science Education bugday

516
00:24:54,339 --> 00:24:59,089
bugday I'm not bugged at all it's bug

517
00:24:56,839 --> 00:25:01,308
day I'm here at B Botanic Gardens in

518
00:24:59,089 --> 00:25:03,470
Berkeley California with dr. eugenie

519
00:25:01,308 --> 00:25:06,349
Scott who's just running over here to

520
00:25:03,470 --> 00:25:11,380
look at her son who she's just pointing

521
00:25:06,349 --> 00:25:14,869
to one that says honey bee hive see a

522
00:25:11,380 --> 00:25:17,990
native bee California native bees honey

523
00:25:14,869 --> 00:25:23,089
tasting climate change in California

524
00:25:17,990 --> 00:25:25,730
bees Scott we have lots of things to

525
00:25:23,089 --> 00:25:27,470
look at here isn't this a beautiful we

526
00:25:25,730 --> 00:25:30,860
just can't say it's a beautiful day for

527
00:25:27,470 --> 00:25:33,319
me because the fog is in it's nice and

528
00:25:30,859 --> 00:25:35,719
crisp and cool I know you're not a fan

529
00:25:33,319 --> 00:25:38,089
of this way they would I here look I

530
00:25:35,720 --> 00:25:39,890
grew up in Wisconsin right if you grew

531
00:25:38,089 --> 00:25:42,199
up in Wisconsin you get lots of bragging

532
00:25:39,890 --> 00:25:46,340
rights about climate but rarely for it

533
00:25:42,200 --> 00:25:49,610
being too hot I understand so I actually

534
00:25:46,339 --> 00:25:52,009
really like hot weather and we had the

535
00:25:49,609 --> 00:25:55,099
marvelous wonderful fabulous

536
00:25:52,009 --> 00:25:57,109
heatwave last week rose in the 90s and

537
00:25:55,099 --> 00:25:59,928
everybody was crabbing about it and I

538
00:25:57,109 --> 00:26:02,569
was so happy but then you know I have

539
00:25:59,929 --> 00:26:04,500
brew at contrarian before there's the

540
00:26:02,569 --> 00:26:07,740
good boats but at least it's a reason

541
00:26:04,500 --> 00:26:09,690
Blee dry head which is quite tolerable

542

00:26:07,740 --> 00:26:12,089
anyway here we are at the Botanic

543
00:26:09,690 --> 00:26:15,570
Gardens on the hillside here above

544
00:26:12,089 --> 00:26:19,470
Berkeley it's beautiful scenery so so

545
00:26:15,569 --> 00:26:23,689
Green Mountains rolling hills I should

546
00:26:19,470 --> 00:26:26,630
say lots of people here for the bug day

547
00:26:23,690 --> 00:26:32,430
just walking along the path here

548
00:26:26,630 --> 00:26:36,600
families scattered about oh and we've

549
00:26:32,430 --> 00:26:39,440
come to a little sub area here with

550
00:26:36,599 --> 00:26:44,159
little stalls and stands and tables and

551
00:26:39,440 --> 00:26:47,509
lots of bugs and insects and the first

552
00:26:44,160 --> 00:26:50,610
table we come to is live insects and

553
00:26:47,509 --> 00:26:55,109
arthropods and there's a classic sort of

554
00:26:50,609 --> 00:26:57,079
display here butterflies and whatnot no

555
00:26:55,109 --> 00:26:59,579
I'm from Australia I'm doing a podcast

556
00:26:57,079 --> 00:27:00,659

science podcast called the skeptic zone

557

00:26:59,579 --> 00:27:05,609
science and reason

558

00:27:00,660 --> 00:27:07,320
how are you at oh and I'm just looking

559

00:27:05,609 --> 00:27:09,269
over here to my right folks and I'm

560

00:27:07,319 --> 00:27:11,730
seeing little terrariums I just come

561

00:27:09,269 --> 00:27:15,450
around pass all these people lined up

562

00:27:11,730 --> 00:27:16,220
here what do we have here oh my goodness

563

00:27:15,450 --> 00:27:19,740
me

564

00:27:16,220 --> 00:27:22,160
we've got Rose hair tarantula female

565

00:27:19,740 --> 00:27:24,690
yeah

566

00:27:22,160 --> 00:27:26,190
it's just like in the movies what I've

567

00:27:24,690 --> 00:27:28,980
never seen one of these before

568

00:27:26,190 --> 00:27:32,160
it's a giant hairy spider I know some of

569

00:27:28,980 --> 00:27:33,480
my friends would be running the opposite

570

00:27:32,160 --> 00:27:34,440
direction right now that's quite

571
00:27:33,480 --> 00:27:36,660
impressive

572
00:27:34,440 --> 00:27:38,759
you're pretty good size the animal I

573
00:27:36,660 --> 00:27:40,650
guess the closest you got is a huntsman

574
00:27:38,759 --> 00:27:42,690
I guess you guys have Huntsman we have

575
00:27:40,650 --> 00:27:45,059
Huntsman's but they're not as chunky you

576
00:27:42,690 --> 00:27:47,279
know there's a lot more spindly legs

577
00:27:45,058 --> 00:27:50,190
spindly leg and they live in the ceiling

578
00:27:47,279 --> 00:27:52,168
of the house but this one is huge that's

579
00:27:50,190 --> 00:27:54,840
a real eye-opener yeah that's about

580
00:27:52,169 --> 00:27:57,390
maximum size for that species that's a

581
00:27:54,839 --> 00:27:58,949
fully grown adult female and I

582
00:27:57,390 --> 00:28:01,049
understand they're relatively harmless

583
00:27:58,950 --> 00:28:04,370
well they might they can inflict a

584
00:28:01,048 --> 00:28:07,139
decent bite but they're generally there

585
00:28:04,369 --> 00:28:08,879
they're pretty easygoing spider so

586
00:28:07,140 --> 00:28:10,380
unless they feel threatening they're not

587
00:28:08,880 --> 00:28:11,909
gonna you know if they feel the need to

588
00:28:10,380 --> 00:28:13,860
defend themselves they do have a pretty

589
00:28:11,909 --> 00:28:15,900
good set of Calissa that they can put a

590
00:28:13,859 --> 00:28:18,119
pretty good bite on you with the venom

591
00:28:15,900 --> 00:28:20,820
is not particularly strong either so but

592
00:28:18,119 --> 00:28:23,308
it hurts if you look at this is a shed

593
00:28:20,819 --> 00:28:25,740
from a lot smaller one uh-huh you can

594
00:28:23,308 --> 00:28:27,298
see the fangs kind of right in there Wow

595
00:28:25,740 --> 00:28:29,880
pretty good-sized

596
00:28:27,298 --> 00:28:36,929
well I wouldn't tempt it I wouldn't try

597
00:28:29,880 --> 00:28:41,520
it and we have some other little oh here

598
00:28:36,929 --> 00:28:44,400
are some scorpions a tiny native species

599

00:28:41,519 --> 00:28:50,250
so they're pretty common here they

600
00:28:44,400 --> 00:28:55,980
fluoresce under black do that

601
00:28:50,250 --> 00:28:59,650
wow those are native to here this one's

602
00:28:55,980 --> 00:29:01,089
Jesus from Africa just opening up

603
00:28:59,650 --> 00:29:04,059
another one here and there's one hiding

604
00:29:01,089 --> 00:29:06,909
under some table oh wow you put a black

605
00:29:04,058 --> 00:29:11,470
light on it changes color it's a good

606
00:29:06,910 --> 00:29:13,990
way to collect in that night yeah that's

607
00:29:11,470 --> 00:29:17,140
and we have a centipede here Melia

608
00:29:13,990 --> 00:29:18,000
millipedes yep Wow lots of fun insects

609
00:29:17,140 --> 00:29:21,520
here

610
00:29:18,000 --> 00:29:24,269
no not insects - post alpha boxes

611
00:29:21,519 --> 00:29:27,298
absolutely well thank you very much

612
00:29:24,269 --> 00:29:27,298
[Music]

613
00:29:30,420 --> 00:29:39,009

right coming up to the back of a little

614

00:29:35,650 --> 00:29:43,360

building in and we found the table for

615

00:29:39,009 --> 00:29:45,069

the NCSC and it's very busy at the

616

00:29:43,359 --> 00:29:49,119

moment of people lined up to have a talk

617

00:29:45,069 --> 00:29:50,799

to the people here so we'll wait out

618

00:29:49,119 --> 00:29:53,709

there because the little kids are now oh

619

00:29:50,799 --> 00:29:56,039

yes swamping the table and picking up

620

00:29:53,710 --> 00:29:58,750

beads and doing all sorts of fun things

621

00:29:56,039 --> 00:30:00,579

it's nice that the the NCSC

622

00:29:58,750 --> 00:30:03,940

keep up the public outreach I think

623

00:30:00,579 --> 00:30:07,928

agreed yes that's a very important part

624

00:30:03,940 --> 00:30:08,679

of defending science education shall we

625

00:30:07,929 --> 00:30:10,240

say yeah

626

00:30:08,679 --> 00:30:13,660

is having a more scientifically literate

627

00:30:10,240 --> 00:30:16,299

population so that is a direction that

628
00:30:13,660 --> 00:30:18,990
NCSC has expanded upon and I'm delighted

629
00:30:16,299 --> 00:30:18,990
to see that

630
00:30:22,559 --> 00:30:28,029
activity or they're making they're

631
00:30:24,819 --> 00:30:31,659
making keychains which is very suitable

632
00:30:28,029 --> 00:30:35,349
for the under five year old set here and

633
00:30:31,660 --> 00:30:38,050
each bead both bead on the keychain is

634
00:30:35,349 --> 00:30:40,659
another element that can be used in

635
00:30:38,049 --> 00:30:42,279
mosquito control so one of the beads is

636
00:30:40,660 --> 00:30:44,470
a little is shaped like a little fish

637
00:30:42,279 --> 00:30:48,509
because of course finish are one of the

638
00:30:44,470 --> 00:30:51,759
major predators for mosquito larva

639
00:30:48,509 --> 00:30:54,220
there's another colored bead that

640
00:30:51,759 --> 00:30:57,420
represents bed nets which of course is a

641
00:30:54,220 --> 00:31:01,589
very important way especially in

642
00:30:57,420 --> 00:31:03,670
tropical in third-world countries with

643
00:31:01,589 --> 00:31:05,439
protecting people against getting bitten

644
00:31:03,670 --> 00:31:08,259
is extremely important for malaria

645
00:31:05,440 --> 00:31:12,009
control another disease is carried by

646
00:31:08,259 --> 00:31:14,259
insects another colored bead represents

647
00:31:12,009 --> 00:31:16,480
insecticides so the kids can thread

648
00:31:14,259 --> 00:31:20,109
together one two three four five six

649
00:31:16,480 --> 00:31:21,970
seven eight different kinds of beads to

650
00:31:20,109 --> 00:31:25,199
represent different ways of controlling

651
00:31:21,970 --> 00:31:25,200
mosquitoes it's quite clever

652
00:31:26,700 --> 00:31:32,950
so each get a little peering with some

653
00:31:30,329 --> 00:31:34,419
some nylon fishing line or something

654
00:31:32,950 --> 00:31:36,940
like that and they can string their own

655
00:31:34,420 --> 00:31:39,789
beads which represent different ways to

656

00:31:36,940 --> 00:31:42,509
control mosquito and have a keychain

657
00:31:39,789 --> 00:31:42,509
afterwards

658
00:31:46,630 --> 00:31:52,460
well Cade cata good to see you again

659
00:31:50,289 --> 00:31:56,418
folks you might remember I interviewed

660
00:31:52,460 --> 00:31:58,519
taped some months ago for science

661
00:31:56,419 --> 00:32:00,610
education you hear the Botanic Gardens

662
00:31:58,519 --> 00:32:03,319
at Berkeley and you're helping kids make

663
00:32:00,609 --> 00:32:06,048
keychains to help teach them about

664
00:32:03,319 --> 00:32:07,279
mosquitoes what a wonderful idea and the

665
00:32:06,048 --> 00:32:09,470
kids are lined up here they're making

666
00:32:07,279 --> 00:32:11,359
all sorts of colorful keychains who came

667
00:32:09,470 --> 00:32:14,000
up with this fabulous idea um it was a

668
00:32:11,359 --> 00:32:17,859
combination of myself and our previous

669
00:32:14,000 --> 00:32:20,539
intern Emily vortex so we wanted to

670
00:32:17,859 --> 00:32:22,159

create an activity that explored how

671

00:32:20,539 --> 00:32:24,619

mosquito populations changed throughout

672

00:32:22,160 --> 00:32:27,110

time and we had tried maybe three or

673

00:32:24,619 --> 00:32:30,409

four variations of this for maybe the

674

00:32:27,109 --> 00:32:32,689

past year and it was maps and dice and

675

00:32:30,410 --> 00:32:35,210

it was getting overly complicated so you

676

00:32:32,690 --> 00:32:37,970

know we came up with this game where you

677

00:32:35,210 --> 00:32:39,679

dump cups and you just race to see how

678

00:32:37,970 --> 00:32:41,600

many mosquitoes you can pick up which is

679

00:32:39,679 --> 00:32:43,820

going on at the table over here right

680

00:32:41,599 --> 00:32:46,069

but we wanted to not just be doom and

681

00:32:43,819 --> 00:32:48,200

gloom and say mosquito populations are

682

00:32:46,069 --> 00:32:50,178

growing and they're getting worse so we

683

00:32:48,200 --> 00:32:52,400

also wanted to help kids feel empowered

684

00:32:50,179 --> 00:32:54,048

to figure out a strategy for controlling

685
00:32:52,400 --> 00:32:56,509
the mosquitoes so we came up with this

686
00:32:54,048 --> 00:32:58,250
keychain idea where they can string

687
00:32:56,509 --> 00:32:59,629
together beads representing this kind of

688
00:32:58,250 --> 00:33:01,910
combination of different strategies

689
00:32:59,630 --> 00:33:03,559
right and at the end of what they're

690
00:33:01,910 --> 00:33:06,080
doing they can read about it here in

691
00:33:03,558 --> 00:33:07,970
little chart but they get a wonderful

692
00:33:06,079 --> 00:33:08,990
keychain to take away and a sticker from

693
00:33:07,970 --> 00:33:11,000
the National Center for Science

694
00:33:08,990 --> 00:33:13,039
education and I think that's just a

695
00:33:11,000 --> 00:33:15,710
wonderful way to engage with the young

696
00:33:13,039 --> 00:33:19,819
kids here today and it's really nice to

697
00:33:15,710 --> 00:33:22,819
see you continuing the policy of science

698
00:33:19,819 --> 00:33:25,129
outreach looking along the table is a I

699

00:33:22,819 --> 00:33:27,470

love it a big box full of little

700

00:33:25,130 --> 00:33:29,890

compartments filled with little fish and

701

00:33:27,470 --> 00:33:32,558

little beads and all sorts of things

702

00:33:29,890 --> 00:33:33,880

actually have a high school volunteer

703

00:33:32,558 --> 00:33:34,960

program this summer so some of the

704

00:33:33,880 --> 00:33:36,850

people that are working here actually

705

00:33:34,960 --> 00:33:39,460

high school students lower themselves

706

00:33:36,849 --> 00:33:43,000

learning about how to teach science

707

00:33:39,460 --> 00:33:44,798

education effectively so it's we're not

708

00:33:43,000 --> 00:33:46,359

just working directly with the community

709

00:33:44,798 --> 00:33:47,679

members but we're working with kind of

710

00:33:46,359 --> 00:33:48,959

the older community members who might

711

00:33:47,679 --> 00:33:51,340

have phased out of traditional outreach

712

00:33:48,960 --> 00:33:53,850

to help them think about how do they now

713

00:33:51,339 --> 00:33:56,980
teach okay just like a win-win situation

714
00:33:53,849 --> 00:33:58,329
on both sides of the table here well you

715
00:33:56,980 --> 00:34:00,548
know what I'm gonna have to make myself

716
00:33:58,329 --> 00:34:03,789
the mosquito controller

717
00:34:00,548 --> 00:34:05,440
BuChE here thank you very

718
00:34:03,789 --> 00:34:08,349
oh look at that so I get a little Kiki

719
00:34:05,440 --> 00:34:10,720
ring here a little bit of oh it's nice

720
00:34:08,349 --> 00:34:15,579
nylon or something on the end I'm going

721
00:34:10,719 --> 00:34:16,989
to make my own right now mosquito so

722
00:34:15,579 --> 00:34:21,608
they don't think the beds would mosquito

723
00:34:16,989 --> 00:34:22,989
all right hello hello no I'm fine word

724
00:34:21,608 --> 00:34:24,608
the other table here at the National

725
00:34:22,989 --> 00:34:27,069
Center for Science education and we've

726
00:34:24,608 --> 00:34:28,989
come across a very interesting game I

727
00:34:27,070 --> 00:34:31,899

guess we've got all these cups little

728

00:34:28,989 --> 00:34:34,658

plastic cups full of insects let me tip

729

00:34:31,898 --> 00:34:36,759

some out here and they flies but they

730

00:34:34,659 --> 00:34:38,050

represent mosquitoes don't know what's

731

00:34:36,760 --> 00:34:40,899

the whole idea of this

732

00:34:38,050 --> 00:34:42,850

so basically we're showing the overall

733

00:34:40,898 --> 00:34:44,769

increase in mosquito populations

734

00:34:42,849 --> 00:34:46,628

throughout time but we're also trying to

735

00:34:44,769 --> 00:34:49,659

teach about the spread of West Nile and

736

00:34:46,628 --> 00:34:52,389

Zika virus Wow so as the climate change

737

00:34:49,659 --> 00:34:54,280

on earth we're seeing mosquitoes are

738

00:34:52,389 --> 00:34:56,590

infected with West Nile and Zika start

739

00:34:54,280 --> 00:34:58,210

moving into northern latitudes I'm just

740

00:34:56,590 --> 00:35:00,940

like move higher north so we're starting

741

00:34:58,210 --> 00:35:03,190

to see southern states have mosquitoes

742
00:35:00,940 --> 00:35:06,099
that already function Circle trying to

743
00:35:03,190 --> 00:35:09,159
show children the overall increase as

744
00:35:06,099 --> 00:35:11,139
well as just how climate can impact

745
00:35:09,159 --> 00:35:12,789
mosquito populations we also have

746
00:35:11,139 --> 00:35:14,739
another station where they can use key

747
00:35:12,789 --> 00:35:17,079
chains to learn different control

748
00:35:14,739 --> 00:35:18,229
strategies I know I read that look at

749
00:35:17,079 --> 00:35:21,029
that

750
00:35:18,230 --> 00:35:24,780
also to show that it's like there's not

751
00:35:21,030 --> 00:35:27,000
one easy simple solution to fixing like

752
00:35:24,780 --> 00:35:29,550
mosquitos and you know controlling their

753
00:35:27,000 --> 00:35:31,739
population so we're trying to have them

754
00:35:29,550 --> 00:35:34,440
use mortal beads to kind of come out

755
00:35:31,739 --> 00:35:37,828
like with a multifactorial solution for

756
00:35:34,440 --> 00:35:39,358
controlling Wow so the game here and I

757
00:35:37,829 --> 00:35:41,400
was watching some kids played just now

758
00:35:39,358 --> 00:35:45,480
we've got little devices here on the

759
00:35:41,400 --> 00:35:48,838
table tweezers and think so what's the

760
00:35:45,480 --> 00:35:51,240
idea so the game starts off fairly easy

761
00:35:48,838 --> 00:35:53,338
they have a small amount of mosquitoes

762
00:35:51,239 --> 00:35:55,500
to pick up and they have large paddles

763
00:35:53,338 --> 00:35:57,599
to pick them up but throughout time as

764
00:35:55,500 --> 00:36:00,210
we see more of the mosquitoes I carry

765
00:35:57,599 --> 00:36:02,190
like Zika and West Nile they have to use

766
00:36:00,210 --> 00:36:03,750
different tools to pick them up which

767
00:36:02,190 --> 00:36:05,550
makes the game a lot harder and there's

768
00:36:03,750 --> 00:36:07,980
also more of them to pick up in the same

769
00:36:05,550 --> 00:36:09,990
amount of time so each time that they

770

00:36:07,980 --> 00:36:12,030
have you pick them up they have about

771
00:36:09,989 --> 00:36:13,199
twenty seconds and not change it not

772
00:36:12,030 --> 00:36:16,079
change that's consistent throughout the

773
00:36:13,199 --> 00:36:18,469
game what changes is the complexity of

774
00:36:16,079 --> 00:36:23,609
they because we've got six cups here

775
00:36:18,469 --> 00:36:27,719
1975 1985 and so on right up until 2025

776
00:36:23,608 --> 00:36:29,670
yes emulate in the future if the climate

777
00:36:27,719 --> 00:36:31,409
is continuing the way it is now what we

778
00:36:29,670 --> 00:36:34,470
might expect to see those potato

779
00:36:31,409 --> 00:36:36,269
populations yeah it's really supposed to

780
00:36:34,469 --> 00:36:38,429
show them that it's the complex

781
00:36:36,269 --> 00:36:42,210
situation it becomes really hard to

782
00:36:38,429 --> 00:36:43,318
control but yeah I think starting simple

783
00:36:42,210 --> 00:36:47,119
and then having the increase in

784
00:36:43,318 --> 00:36:47,119

populations with the nod at complexity

785

00:36:47,389 --> 00:36:52,348

and I love the way it's turned into an

786

00:36:49,650 --> 00:36:55,519

interesting activity a young man here

787

00:36:52,349 --> 00:36:55,519

ready to go

788

00:37:00,420 --> 00:37:06,880

getting rid of mosquitoes the University

789

00:37:04,719 --> 00:37:09,309

of California Botanical Gardens at

790

00:37:06,880 --> 00:37:11,920

Berkeley they're open daily from 9 a.m.

791

00:37:09,309 --> 00:37:14,079

to 5 p.m. and you can find out more by

792

00:37:11,920 --> 00:37:16,990

visiting Botanical Garden dottie

793

00:37:14,079 --> 00:37:41,049

berkeley.edu or following the link in

794

00:37:16,989 --> 00:37:43,239

this week's show notes Bharat Asuma pal

795

00:37:41,050 --> 00:37:46,300

Elizabeth faith year secret receiver

796

00:37:43,239 --> 00:37:48,879

cast metal shot du fromage avec la

797

00:37:46,300 --> 00:37:51,970

política Villeneuve enemy tape exploring

798

00:37:48,880 --> 00:37:54,730

even della metacognition pop quantum

799

00:37:51,969 --> 00:37:57,039

spin Afonso physio disease emissions

800

00:37:54,730 --> 00:38:00,250

from sooty crayon only Moderne old

801

00:37:57,039 --> 00:38:03,039

Ottoman article male whiskers - Arabic

802

00:38:00,250 --> 00:38:06,010

Jessica sub-option Google universe Java

803

00:38:03,039 --> 00:38:10,269

new septic go to Venus relation YouTube

804

00:38:06,010 --> 00:38:15,400

the method of shock em ah they see ash

805

00:38:10,269 --> 00:38:17,980

oopsie a bientot metal shot hello

806

00:38:15,400 --> 00:38:20,019

everyone I'm Elizabeth fakey the creator

807

00:38:17,980 --> 00:38:23,079

of the french-speaking made that a shock

808

00:38:20,019 --> 00:38:25,079

podcast twice a month I host a new guest

809

00:38:23,079 --> 00:38:29,170

to explore the field of meta cognition

810

00:38:25,079 --> 00:38:31,509

why we think the way we think some shows

811

00:38:29,170 --> 00:38:33,849

are subtitled in English and actually

812

00:38:31,510 --> 00:38:36,400

the latest one is all in English an

813
00:38:33,849 --> 00:38:39,659
exclusive conversation with Jessica Cobb

814
00:38:36,400 --> 00:38:42,730
an ex New Age guru who turned skeptic

815
00:38:39,659 --> 00:38:48,929
join us on the method of Jacque YouTube

816
00:38:42,730 --> 00:38:48,929
channel M ETA de choc

817
00:38:49,460 --> 00:39:03,039
[Music]

818
00:39:05,059 --> 00:39:08,179
[Music]

819
00:39:10,809 --> 00:39:14,259
now over the past few months the skeptic

820
00:39:13,929 --> 00:39:17,019
zone

821
00:39:14,259 --> 00:39:19,059
I have regularly been reading out

822
00:39:17,018 --> 00:39:20,798
stories and reports and articles and

823
00:39:19,059 --> 00:39:22,989
interviews from the pages of the skeptic

824
00:39:20,798 --> 00:39:26,139
made journal from Australian skeptics

825
00:39:22,989 --> 00:39:28,358
stretching back almost 40 years and it's

826
00:39:26,139 --> 00:39:31,379
as I like to say it gives you an a hint

827

00:39:28,358 --> 00:39:33,969
an indication a clue as to the wealth of

828
00:39:31,380 --> 00:39:36,699
material at your fingertips at skeptics

829
00:39:33,969 --> 00:39:38,528
calm today you today I thought I'd do

830
00:39:36,699 --> 00:39:39,969
something a little bit different now

831
00:39:38,528 --> 00:39:42,099
many Australians would be very familiar

832
00:39:39,969 --> 00:39:44,679
with the magazine the Australian Women's

833
00:39:42,099 --> 00:39:46,989
Weekly which has been there in

834
00:39:44,679 --> 00:39:51,880
publication for decades and decades and

835
00:39:46,989 --> 00:39:54,219
decades when I first started looking at

836
00:39:51,880 --> 00:39:57,699
it of course I was only a boy in the

837
00:39:54,219 --> 00:39:59,499
1970s and it's easy to forget what an

838
00:39:57,699 --> 00:40:02,380
important part of Australian culture the

839
00:39:59,498 --> 00:40:05,018
Australian Women's Weekly was probably

840
00:40:02,380 --> 00:40:07,809
still is to an extent certainly was in

841
00:40:05,018 --> 00:40:09,668

former years and they had many

842

00:40:07,809 --> 00:40:12,459

interesting articles and interviews lots

843

00:40:09,668 --> 00:40:14,978

of things that were aimed at their

844

00:40:12,458 --> 00:40:17,108

readership of course royal new

845

00:40:14,978 --> 00:40:21,788

celebrities what people are wearing

846

00:40:17,108 --> 00:40:24,369

fashion some astrology not much but I

847

00:40:21,789 --> 00:40:26,739

think many issues had an astrology

848

00:40:24,369 --> 00:40:29,559

column but they have an interesting

849

00:40:26,739 --> 00:40:32,048

selection over the decades on the

850

00:40:29,559 --> 00:40:35,548

paranormal now thanks to the National

851

00:40:32,048 --> 00:40:39,969

Library of Australia all the issues from

852

00:40:35,548 --> 00:40:43,659

1933 to 1982 are available online as

853

00:40:39,969 --> 00:40:46,298

PDFs searchable I'll have a link in the

854

00:40:43,659 --> 00:40:48,189

show notes of course so I did a search

855

00:40:46,298 --> 00:40:50,139

and I've come up with all sorts of

856
00:40:48,188 --> 00:40:52,149
goodies over the years from the pages of

857
00:40:50,139 --> 00:40:55,989
the Australian Woman's Weekly but I

858
00:40:52,150 --> 00:40:58,778
discovered and I remembered that in well

859
00:40:55,989 --> 00:41:02,708
the 1970s at least we didn't hear much

860
00:40:58,778 --> 00:41:06,800
about psychics you heard about ESP that

861
00:41:02,708 --> 00:41:09,679
was the popular phrase ESP

862
00:41:06,800 --> 00:41:11,480
so in front of me I have the page in

863
00:41:09,679 --> 00:41:14,839
question where you can do the search I

864
00:41:11,480 --> 00:41:19,400
type in e SP get the search button

865
00:41:14,840 --> 00:41:20,900
and many results are returned and I

866
00:41:19,400 --> 00:41:23,180
thought I would read to you an article

867
00:41:20,900 --> 00:41:30,410
from the Australian Women's Weekly this

868
00:41:23,179 --> 00:41:36,339
one is from the 6th of July 1977 the

869
00:41:30,409 --> 00:41:36,339
article is called ESP sense or nonsense

870
00:41:37,969 --> 00:41:44,149
you're daydreaming about Aunt Emma when

871
00:41:40,670 --> 00:41:46,250
the phone rings it's Aunt Emma nearing

872
00:41:44,150 --> 00:41:50,358
home you think there's a letter for you

873
00:41:46,250 --> 00:41:52,849
you reached letter box it's there it's a

874
00:41:50,358 --> 00:41:58,338
weird and wonderful thing and it has

875
00:41:52,849 --> 00:42:02,088
scientists puzzled what is this strange

876
00:41:58,338 --> 00:42:04,699
thing called extra sensory perception it

877
00:42:02,088 --> 00:42:05,239
is happening all around you and all the

878
00:42:04,699 --> 00:42:07,549
time

879
00:42:05,239 --> 00:42:09,769
messages are being sent from one person

880
00:42:07,550 --> 00:42:12,440
to another without anything so obvious

881
00:42:09,769 --> 00:42:14,659
as a letter or phone call taking place

882
00:42:12,440 --> 00:42:16,579
friends who have been out of touch with

883
00:42:14,659 --> 00:42:19,690
one another are linking up again

884

00:42:16,579 --> 00:42:23,119
each somehow aware of a need to

885
00:42:19,690 --> 00:42:25,730
re-establish contact business people are

886
00:42:23,119 --> 00:42:28,970
making important decisions based as much

887
00:42:25,730 --> 00:42:32,240
on a gut feeling that what they are

888
00:42:28,969 --> 00:42:34,789
doing is right as on reams of documented

889
00:42:32,239 --> 00:42:37,399
information and thousands of others are

890
00:42:34,789 --> 00:42:39,469
having the sensation that whatever they

891
00:42:37,400 --> 00:42:42,410
are doing they have done before in

892
00:42:39,469 --> 00:42:45,858
exactly the same way the condition is

893
00:42:42,409 --> 00:42:48,409
sometimes known as deja vu already seen

894
00:42:45,858 --> 00:42:50,420
if you are tuned into yourself you will

895
00:42:48,409 --> 00:42:53,480
guess that all these incidents are

896
00:42:50,420 --> 00:42:56,150
perhaps part of the whole vibrating

897
00:42:53,480 --> 00:43:00,550
pulsating and often misunderstood thing

898
00:42:56,150 --> 00:43:03,588

known as ESP that is very hard to define

899

00:43:00,550 --> 00:43:06,260

according to one academic those people

900

00:43:03,588 --> 00:43:08,328

who have genuine ESP are supposed to

901

00:43:06,260 --> 00:43:12,950

have communication without the use of

902

00:43:08,329 --> 00:43:16,310

the usual senses but ESP can also mean

903

00:43:12,949 --> 00:43:19,868

heightened sensitivity of a person's

904

00:43:16,309 --> 00:43:23,440

senses that can include clairvoyance

905

00:43:19,869 --> 00:43:26,289

seeing mental pictures clairaudience

906

00:43:23,440 --> 00:43:29,990

hearing inaudible sounds and

907

00:43:26,289 --> 00:43:32,929

clairsentience sensing things or people

908

00:43:29,989 --> 00:43:35,559

nearby there is nothing new about any of

909

00:43:32,929 --> 00:43:37,960

it human beings have always had

910

00:43:35,559 --> 00:43:40,279

intuitions funny feelings and

911

00:43:37,960 --> 00:43:44,000

coincidental happenings in their lives

912

00:43:40,280 --> 00:43:46,990

but ESP apparently goes beyond the realm

913
00:43:44,000 --> 00:43:50,150
of coincidence into an area of personal

914
00:43:46,989 --> 00:43:51,829
experiences and telepathic phenomena

915
00:43:50,150 --> 00:43:54,039
that have led some of the

916
00:43:51,829 --> 00:43:57,949
world's top scientists to become very

917
00:43:54,039 --> 00:44:01,039
interested the reaction to PSP is like

918
00:43:57,949 --> 00:44:03,230
that to God you say you believe you say

919
00:44:01,039 --> 00:44:04,639
you don't believe but few who have

920
00:44:03,230 --> 00:44:08,570
looked into it will say categorically

921
00:44:04,639 --> 00:44:11,359
that ESP doesn't exist Rome Warren

922
00:44:08,570 --> 00:44:14,450
believes this Sydney woman who is the

923
00:44:11,360 --> 00:44:16,670
principle of the loosely structured no

924
00:44:14,449 --> 00:44:20,029
building just a Pio box number and

925
00:44:16,670 --> 00:44:22,970
occasional seminars Academy for psychic

926
00:44:20,030 --> 00:44:24,440
research and creative development says

927
00:44:22,969 --> 00:44:26,469
that she has been having psychic

928
00:44:24,440 --> 00:44:29,090
experiences ever since she was a child

929
00:44:26,469 --> 00:44:31,369
for many years I didn't mention anything

930
00:44:29,090 --> 00:44:33,680
about it or think much of it because

931
00:44:31,369 --> 00:44:36,409
looking back it just seems so much an

932
00:44:33,679 --> 00:44:39,169
ordinary everyday part of my life she

933
00:44:36,409 --> 00:44:41,960
says but I have vivid recollections of

934
00:44:39,170 --> 00:44:44,450
astral travelling and one time of coming

935
00:44:41,960 --> 00:44:46,699
home over rooftops and getting so low

936
00:44:44,449 --> 00:44:50,659
that I almost got tangled up in some

937
00:44:46,699 --> 00:44:52,849
tramway lines I didn't do any astral

938
00:44:50,659 --> 00:44:55,489
traveling for a while after that I was

939
00:44:52,849 --> 00:44:59,000
so scared she let out a big laugh her

940
00:44:55,489 --> 00:45:02,419
attitude towards ESP and her other super

941

00:44:59,000 --> 00:45:05,090
sensitivity is serious but lightened by

942
00:45:02,420 --> 00:45:08,210
a humor and an ability to take this

943
00:45:05,090 --> 00:45:11,090
spookiness out of the matter although in

944
00:45:08,210 --> 00:45:14,240
her flowing caftan with her fingers

945
00:45:11,090 --> 00:45:17,890
covered in intricate metal rings and her

946
00:45:14,239 --> 00:45:22,189
piercing gaze miss Warren does look well

947
00:45:17,889 --> 00:45:24,500
different Rome Warren is very concerned

948
00:45:22,190 --> 00:45:26,929
about the way many people turn to

949
00:45:24,500 --> 00:45:29,239
clairvoyance for help in their personal

950
00:45:26,929 --> 00:45:32,359
lives and she is quick to counsel them

951
00:45:29,239 --> 00:45:35,449
against doing so if they aren't sure of

952
00:45:32,360 --> 00:45:38,120
the clairvoyance bonafide ease there are

953
00:45:35,449 --> 00:45:40,699
a lot of so-called clairvoyance who

954
00:45:38,119 --> 00:45:43,339
charge excessive fees and tell people

955
00:45:40,699 --> 00:45:46,279

absolutely dreadful things she says I

956

00:45:43,340 --> 00:45:48,740

had a phone call once from a woman in

957

00:45:46,280 --> 00:45:51,080

hysterics who had been told that her

958

00:45:48,739 --> 00:45:54,439

husband did a lot of astral traveling

959

00:45:51,079 --> 00:45:57,319

and when he did it wasn't with her that

960

00:45:54,440 --> 00:46:00,200

sort of thing there is an enormous

961

00:45:57,320 --> 00:46:01,670

amount of irresponsibility among people

962

00:46:00,199 --> 00:46:03,559

who work in the field

963

00:46:01,670 --> 00:46:05,480

despite the superstition that you lose

964

00:46:03,559 --> 00:46:05,699

your powers of clairvoyance if you take

965

00:46:05,480 --> 00:46:08,130

it

966

00:46:05,699 --> 00:46:10,679

manage of people miss Warren also warns

967

00:46:08,130 --> 00:46:13,140

those who fall into the pattern of using

968

00:46:10,679 --> 00:46:15,449

their clairvoyant as a crutch in life

969

00:46:13,139 --> 00:46:18,059

they are looking for a miracle outside

970
00:46:15,449 --> 00:46:19,469
of themselves but what they must know is

971
00:46:18,059 --> 00:46:22,230
that the only change in their

972
00:46:19,469 --> 00:46:24,839
circumstances will come from change in

973
00:46:22,230 --> 00:46:27,389
their own attitude the full range of ESP

974
00:46:24,840 --> 00:46:30,780
is enormous and its implications are

975
00:46:27,389 --> 00:46:33,000
fascinating and/or frightening miss

976
00:46:30,780 --> 00:46:36,030
Warren feels physical suffering can be

977
00:46:33,000 --> 00:46:39,090
helped by mental attitudes if you have

978
00:46:36,030 --> 00:46:41,340
an emotion nor in a way do you get an

979
00:46:39,090 --> 00:46:43,350
ulcer if you change your attitude to the

980
00:46:41,340 --> 00:46:45,600
circumstances you are heading in the

981
00:46:43,349 --> 00:46:48,869
right direction to help your ulcer she

982
00:46:45,599 --> 00:46:51,420
says basically Miss Warren says ESP is

983
00:46:48,869 --> 00:46:54,630
something we all have in greater or

984
00:46:51,420 --> 00:46:57,450
smaller amounts something we can use to

985
00:46:54,630 --> 00:47:00,450
improve or at least keep in control

986
00:46:57,449 --> 00:47:02,609
different aspects of our lives it can

987
00:47:00,449 --> 00:47:04,559
give people a better knowledge of self

988
00:47:02,610 --> 00:47:07,200
and show them how to get through the

989
00:47:04,559 --> 00:47:09,389
blind spots in their lives the

990
00:47:07,199 --> 00:47:12,169
scientific research being done in

991
00:47:09,389 --> 00:47:14,940
Australia is small but most of the

992
00:47:12,170 --> 00:47:17,010
university professors who are interested

993
00:47:14,940 --> 00:47:19,740
in it will not talk to reporters for

994
00:47:17,010 --> 00:47:22,830
fear of being misquoted or misunderstood

995
00:47:19,739 --> 00:47:26,099
at the University of New England at

996
00:47:22,829 --> 00:47:29,639
Armidale and the University of Tasmania

997
00:47:26,099 --> 00:47:33,239
the department's of psychology offer

998

00:47:29,639 --> 00:47:35,940
courses in parapsychology dr. Tiki Lee

999
00:47:33,239 --> 00:47:38,549
who teaches the course at the University

1000
00:47:35,940 --> 00:47:41,639
of Tasmania says one main problem for

1001
00:47:38,550 --> 00:47:44,640
laymen interested in ESP and the larger

1002
00:47:41,639 --> 00:47:48,029
area of parapsychology is sorting the

1003
00:47:44,639 --> 00:47:50,460
rubbish from the truth he like ms Warren

1004
00:47:48,030 --> 00:47:54,180
is concerned about the growing number of

1005
00:47:50,460 --> 00:47:56,789
groups and individuals who pretend to

1006
00:47:54,179 --> 00:47:59,549
offer ESP based solutions to the

1007
00:47:56,789 --> 00:48:01,980
emotionally troubled and he is not one

1008
00:47:59,550 --> 00:48:05,190
to encourage the idea that every human

1009
00:48:01,980 --> 00:48:06,869
is equipped with ESP you can't really

1010
00:48:05,190 --> 00:48:10,320
say that with certainty

1011
00:48:06,869 --> 00:48:12,960
dr. Keely cautions you sometimes have

1012
00:48:10,320 --> 00:48:16,019

certain ability in this area that seems

1013

00:48:12,960 --> 00:48:18,510

to be hereditary and ESP seems to run in

1014

00:48:16,019 --> 00:48:20,909

families but it is very difficult

1015

00:48:18,510 --> 00:48:23,760

to know if there is any real genetic

1016

00:48:20,909 --> 00:48:26,489

disposition the British author Arthur

1017

00:48:23,760 --> 00:48:29,460

Koestler who has one of the boldest

1018

00:48:26,489 --> 00:48:31,679

minds in our age has explored the

1019

00:48:29,460 --> 00:48:34,740

scientific work on ESP type phenomena

1020

00:48:31,679 --> 00:48:37,619

around the world in his book the roots

1021

00:48:34,739 --> 00:48:41,129

of coincidence Koestler quotes the words

1022

00:48:37,619 --> 00:48:45,329

written in 1960 by the respected British

1023

00:48:41,130 --> 00:48:48,269

psychologist professor HJ Isaac unless

1024

00:48:45,329 --> 00:48:50,519

there is a gigantic conspiracy involving

1025

00:48:48,269 --> 00:48:53,639

some 30 University departments all over

1026

00:48:50,519 --> 00:48:56,099

the world and several hundred highly

1027
00:48:53,639 --> 00:48:59,039
respected scientists in various fields

1028
00:48:56,099 --> 00:49:01,500
the only conclusion the unbiased

1029
00:48:59,039 --> 00:49:04,670
observer can come to must be that there

1030
00:49:01,500 --> 00:49:07,409
does exist a small number of people who

1031
00:49:04,670 --> 00:49:10,680
obtain knowledge existing either in

1032
00:49:07,409 --> 00:49:14,009
other people's minds or in the outer

1033
00:49:10,679 --> 00:49:18,719
world by means as yet unknown to science

1034
00:49:14,010 --> 00:49:21,660
have you got ASP try this quiz the

1035
00:49:18,719 --> 00:49:24,779
letters ESP stand for extra sensory

1036
00:49:21,659 --> 00:49:27,869
perception more appropriate would be the

1037
00:49:24,780 --> 00:49:29,880
term extended sensory perception because

1038
00:49:27,869 --> 00:49:32,519
rather than a sixth sense there seems to

1039
00:49:29,880 --> 00:49:36,000
be a heightened sensitivity in the areas

1040
00:49:32,519 --> 00:49:39,090
of seeing hearing and feeling have I got

1041
00:49:36,000 --> 00:49:43,019
a ESP this question is frequently asked

1042
00:49:39,090 --> 00:49:45,390
and the simple answer is yes ESP is

1043
00:49:43,019 --> 00:49:48,059
awareness and the individual who is

1044
00:49:45,389 --> 00:49:51,299
aware enough to ask the question is

1045
00:49:48,059 --> 00:49:54,869
aware enough to have ESP the psychic or

1046
00:49:51,300 --> 00:49:57,990
sensitive person is someone who has an

1047
00:49:54,869 --> 00:50:00,299
awareness which is beyond average the

1048
00:49:57,989 --> 00:50:03,929
probing of science uncovers areas which

1049
00:50:00,300 --> 00:50:08,310
are totally incomprehensible by normal

1050
00:50:03,929 --> 00:50:11,279
standards this then is ASB and it exists

1051
00:50:08,309 --> 00:50:14,309
to some degree in you and in every

1052
00:50:11,280 --> 00:50:17,390
person you know Rome Warren has devised

1053
00:50:14,309 --> 00:50:20,400
this quiz to help you gauge your

1054
00:50:17,389 --> 00:50:22,500
sensitivity try it and make some

1055

00:50:20,400 --> 00:50:24,450
discoveries in the exploration of

1056
00:50:22,500 --> 00:50:28,349
yourself

1057
00:50:24,449 --> 00:50:33,179
how to score one point if you answer

1058
00:50:28,349 --> 00:50:37,650
once three points for occasionally five

1059
00:50:33,179 --> 00:50:42,869
points for often and zero if your answer

1060
00:50:37,650 --> 00:50:45,110
is never question have you ever known in

1061
00:50:42,869 --> 00:50:48,599
advance that the phone will ring

1062
00:50:45,110 --> 00:50:50,960
question have you known who is on the

1063
00:50:48,599 --> 00:50:53,789
phone before hearing the speaker

1064
00:50:50,960 --> 00:50:57,150
question have you known the postman is

1065
00:50:53,789 --> 00:51:00,170
bringing you a letter question have you

1066
00:50:57,150 --> 00:51:04,410
known the size / color of the envelope

1067
00:51:00,170 --> 00:51:08,309
question have you sensed someone staring

1068
00:51:04,409 --> 00:51:11,489
at you and found it to be so question

1069
00:51:08,309 --> 00:51:16,259

have you thought of someone just before

1070

00:51:11,489 --> 00:51:21,269

an unexpected meeting question do you

1071

00:51:16,260 --> 00:51:22,920

ever have distinct hunches question do

1072

00:51:21,269 --> 00:51:27,449

you have more success from acting on

1073

00:51:22,920 --> 00:51:30,180

intuition than intellect question have

1074

00:51:27,449 --> 00:51:33,059

you ever had intuitive absolute

1075

00:51:30,179 --> 00:51:35,339

knowledge or conviction question have

1076

00:51:33,059 --> 00:51:39,299

you ever known about an event before it

1077

00:51:35,340 --> 00:51:44,000

occurred question do you sometimes like

1078

00:51:39,300 --> 00:51:46,769

/ dislike / love / hate at first sight

1079

00:51:44,000 --> 00:51:50,039

question do you know in advance what

1080

00:51:46,769 --> 00:51:53,190

someone is about to say question are you

1081

00:51:50,039 --> 00:51:56,639

affected happily / unhappily by certain

1082

00:51:53,190 --> 00:52:02,460

places question do you have a sense of

1083

00:51:56,639 --> 00:52:04,859

danger before apparent danger exists if

1084
00:52:02,460 --> 00:52:09,809
you scored at least three points you

1085
00:52:04,860 --> 00:52:13,260
have slight ESP four to six points you

1086
00:52:09,809 --> 00:52:16,469
are reasonably aware seven to ten points

1087
00:52:13,260 --> 00:52:20,540
your intuition is good more than ten

1088
00:52:16,469 --> 00:52:20,539
points you could be psychic

1089
00:52:20,699 --> 00:52:23,750
[Music]

1090
00:52:24,050 --> 00:52:30,980
and that was ESP cents or nonsense by

1091
00:52:28,429 --> 00:52:35,029
Patricia Angley and that was published

1092
00:52:30,980 --> 00:52:39,860
way back in 1977 in the Australian

1093
00:52:35,030 --> 00:52:42,530
Women's Weekly from July the 6th so that

1094
00:52:39,860 --> 00:52:46,970
was in the magazines the popular

1095
00:52:42,530 --> 00:52:49,850
magazines 42 years ago and there are

1096
00:52:46,969 --> 00:52:52,129
many more articles and reports going

1097
00:52:49,849 --> 00:52:54,079
back through the decades of Australian

1098
00:52:52,130 --> 00:52:56,690
Women's Weekly pertaining to skeptical

1099
00:52:54,079 --> 00:52:59,389
matters uri geller gets quite a mention

1100
00:52:56,690 --> 00:53:01,940
but I'll let you discover all those for

1101
00:52:59,389 --> 00:53:03,859
yourselves by following the link in this

1102
00:53:01,940 --> 00:53:16,809
week's show notes

1103
00:53:03,860 --> 00:53:16,809
[Music]

1104
00:53:17,909 --> 00:53:24,159
hi this is dr. Pamela gay from astronomy

1105
00:53:21,309 --> 00:53:26,079
cast each week Fraser Cain and I take

1106
00:53:24,159 --> 00:53:28,269
our listeners on a fact-based journey

1107
00:53:26,079 --> 00:53:31,028
through the cosmos with our weekly

1108
00:53:28,269 --> 00:53:33,818
podcast we explain not just what we know

1109
00:53:31,028 --> 00:53:36,639
but how we know what we know about this

1110
00:53:33,818 --> 00:53:39,130
universe that we share check us out at

1111
00:53:36,639 --> 00:53:41,528
astronomy cast calm and look for us in

1112

00:53:39,130 --> 00:53:44,890
itunes google play and wherever you

1113
00:53:41,528 --> 00:53:52,559
download podcasts see online

1114
00:53:44,889 --> 00:53:52,558
[Music]

1115
00:54:00,050 --> 00:54:04,500
thank you for listening to the skeptic

1116
00:54:02,369 --> 00:54:07,699
zone this week a couple of notes from me

1117
00:54:04,500 --> 00:54:10,829
at the end here my friend Rob Palmer

1118
00:54:07,699 --> 00:54:13,919
writing for skeptical Inquirer under the

1119
00:54:10,829 --> 00:54:17,400
moniker the well-known skeptic has

1120
00:54:13,920 --> 00:54:20,280
interviewed John de Lancie the famous

1121
00:54:17,400 --> 00:54:23,190
actor known from such things as Star

1122
00:54:20,280 --> 00:54:26,400
Trek and he will be appearing at Psych

1123
00:54:23,190 --> 00:54:28,289
on this year in Las Vegas and oh that

1124
00:54:26,400 --> 00:54:29,670
would be so good to visit that I don't

1125
00:54:28,289 --> 00:54:32,130
think I can wangle it this year however

1126
00:54:29,670 --> 00:54:32,519

you can read an interview with John de

1127

00:54:32,130 --> 00:54:35,910

Lancie

1128

00:54:32,519 --> 00:54:38,579

at skeptical inquirer org and I'll put a

1129

00:54:35,909 --> 00:54:41,609

link in this week's show notes quite an

1130

00:54:38,579 --> 00:54:45,150

accomplished man he also did a series of

1131

00:54:41,610 --> 00:54:47,880

radio plays with Leonard Nimoy some

1132

00:54:45,150 --> 00:54:51,300

years ago called alien voices that's

1133

00:54:47,880 --> 00:54:53,220

worth checking out they did some HT

1134

00:54:51,300 --> 00:54:56,070

Welles material and they did something

1135

00:54:53,219 --> 00:54:59,429

called Spock vs. Q which I'm sure all

1136

00:54:56,070 --> 00:55:01,950

Star Trek fans know about now if you're

1137

00:54:59,429 --> 00:55:04,649

in Canberra in the acct in August on

1138

00:55:01,949 --> 00:55:07,159

Tuesday the 13th of August you can see a

1139

00:55:04,650 --> 00:55:09,570

presentation by our very own trish han

1140

00:55:07,159 --> 00:55:11,309

who does a segment here on the skeptic

1141
00:55:09,570 --> 00:55:13,769
zone from time to time called trish and

1142
00:55:11,309 --> 00:55:17,039
chips trish will be talking about

1143
00:55:13,769 --> 00:55:19,710
women's whoo pseudoscience and women's

1144
00:55:17,039 --> 00:55:22,110
health now Trish gave a wonderful

1145
00:55:19,710 --> 00:55:24,750
presentation at last year's Australian

1146
00:55:22,110 --> 00:55:27,059
skeptics convention in Sydney I'll add a

1147
00:55:24,750 --> 00:55:30,719
link in the show notes but this will be

1148
00:55:27,059 --> 00:55:33,360
at the law lecture theatre law building

1149
00:55:30,719 --> 00:55:37,019
number 5 at the Australian University

1150
00:55:33,360 --> 00:55:41,039
and the cost is free this talk is a tour

1151
00:55:37,019 --> 00:55:42,509
through the world of women's whoo we

1152
00:55:41,039 --> 00:55:44,759
heard earlier about the woman's weekly

1153
00:55:42,510 --> 00:55:46,800
this is woman's whoo there's probably

1154
00:55:44,760 --> 00:55:49,530
more of it than you realize and it's

1155
00:55:46,800 --> 00:55:51,690
often weirder than you expect there are

1156
00:55:49,530 --> 00:55:54,330
the obvious ones which are skewered

1157
00:55:51,690 --> 00:55:56,490
towards women but technically gender

1158
00:55:54,329 --> 00:56:00,480
neutral such as essential oils

1159
00:55:56,489 --> 00:56:02,939
naturopathy psychics mediums etc which

1160
00:56:00,480 --> 00:56:05,820
generally have more female customers

1161
00:56:02,940 --> 00:56:08,429
than male but not necessarily by design

1162
00:56:05,820 --> 00:56:10,260
in this talk you'll hear about nonsense

1163
00:56:08,429 --> 00:56:12,869
therapies and treatments that

1164
00:56:10,260 --> 00:56:15,450
we'll have not heard about and probably

1165
00:56:12,869 --> 00:56:17,880
a fair few women will learn something

1166
00:56:15,449 --> 00:56:20,369
too something to put in your diary if

1167
00:56:17,880 --> 00:56:23,070
you're in the AC T that's coming up on

1168
00:56:20,369 --> 00:56:25,139
Tuesday the 13th of August Lincoln this

1169

00:56:23,070 --> 00:56:28,140
week's show notes I'm looking forward

1170
00:56:25,139 --> 00:56:31,319
very much to seeing people at DragonCon

1171
00:56:28,139 --> 00:56:34,980
this year in Atlanta Georgia I haven't

1172
00:56:31,320 --> 00:56:38,430
been there for almost 10 years and I've

1173
00:56:34,980 --> 00:56:41,789
been told by Pamela gay as it turns out

1174
00:56:38,429 --> 00:56:42,869
that it's massively increased from 10

1175
00:56:41,789 --> 00:56:44,699
years ago which is hard to believe

1176
00:56:42,869 --> 00:56:46,769
because when I was there 10 years ago it

1177
00:56:44,699 --> 00:56:49,079
was ridiculously big anyway I'll be

1178
00:56:46,769 --> 00:56:51,210
giving a series of talks including one

1179
00:56:49,079 --> 00:56:53,369
about psychic detectives and other

1180
00:56:51,210 --> 00:56:56,220
skeptical goodies I hope to take part in

1181
00:56:53,369 --> 00:56:58,949
the the Silk Road where I'll be

1182
00:56:56,219 --> 00:57:00,449
demonstrating origami and also of course

1183
00:56:58,949 --> 00:57:03,419

I'll be doing interviews for the

1184

00:57:00,449 --> 00:57:05,639

skeptics own podcast look forward to

1185

00:57:03,420 --> 00:57:08,090

seeing you there if you can make it next

1186

00:57:05,639 --> 00:57:11,789

week's show we'll be coming to you from

1187

00:57:08,090 --> 00:57:14,070

Albuquerque New Mexico I'll be visiting

1188

00:57:11,789 --> 00:57:16,050

my good friend Ben Radford I wonder what

1189

00:57:14,070 --> 00:57:19,800

we'll get up - I wonder what mysteries

1190

00:57:16,050 --> 00:57:21,360

we can delve into in New Mexico but

1191

00:57:19,800 --> 00:57:23,850

undal then this is Richard Saunders

1192

00:57:21,360 --> 00:57:30,360

signing off from the Bay Area San

1193

00:57:23,849 --> 00:57:33,059

Francisco you've been listening to the

1194

00:57:30,360 --> 00:57:37,380

skeptic zone podcast please visit our

1195

00:57:33,059 --> 00:57:40,440

website at WWF Tech's on TV for show

1196

00:57:37,380 --> 00:57:43,940

notes contacts and to access the bat

1197

00:57:40,440 --> 00:57:46,619

catalog of episodes going back to 2008

1198
00:57:43,940 --> 00:57:49,889
you can follow the skeptic zone podcast

1199
00:57:46,619 --> 00:57:52,170
on twitter at skeptic zone visit our

1200
00:57:49,889 --> 00:57:55,559
facebook page or leave a review on

1201
00:57:52,170 --> 00:57:58,920
itunes you can also support the skeptic

1202
00:57:55,559 --> 00:58:01,289
zone via patreon or PayPal the skeptic

1203
00:57:58,920 --> 00:58:03,240
zone podcast is an independent

1204
00:58:01,289 --> 00:58:05,429
production reviews and opinions

1205
00:58:03,239 --> 00:58:07,589
expressed on the skeptic zone are not

1206
00:58:05,429 --> 00:58:10,549
necessarily those of Australian skeptics

1207
00:58:07,590 --> 00:58:16,989
or any other skeptical organization

1208
00:58:10,550 --> 00:58:16,989
[Music]