

1
00:00:11,860 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:13,940 --> 00:00:11,870
from Australia for science and reason

3
00:00:16,840 --> 00:00:13,950
[Music]

4
00:00:24,200 --> 00:00:16,850
[Applause]

5
00:00:31,400 --> 00:00:26,940
yes it's the skeptic zone podcast

6
00:00:34,560 --> 00:00:31,410
episode number 557 for the 23rd of June

7
00:00:37,350 --> 00:00:34,570
2019 Richard Saunders here with you from

8
00:00:38,880 --> 00:00:37,360
the San Francisco Bay Area and I'm glad

9
00:00:42,030 --> 00:00:38,890
to report I haven't felt any earth

10
00:00:44,870 --> 00:00:42,040
tremors this time although I have in the

11
00:00:48,240 --> 00:00:44,880
past when I've been visiting this area I

12
00:00:50,369 --> 00:00:48,250
remember once I was and this ties in

13
00:00:52,950 --> 00:00:50,379

with this week's show I was visiting dr.

14

00:00:55,590 --> 00:00:52,960

eugenie Scott sitting in her front

15

00:00:59,280 --> 00:00:55,600

parlor in a nice comfortable chair and

16

00:01:02,040 --> 00:00:59,290

suddenly I felt a big bump and I blinked

17

00:01:03,960 --> 00:01:02,050

and I looked around and I thought I bet

18

00:01:07,620 --> 00:01:03,970

that was an earth tremor and indeed it

19

00:01:09,090 --> 00:01:07,630

was and several years before that and I

20

00:01:13,200 --> 00:01:09,100

could probably look it up in the records

21

00:01:14,969 --> 00:01:13,210

there was a double tremor two jolts

22

00:01:16,200 --> 00:01:14,979

within an hour of each other or

23

00:01:18,899 --> 00:01:16,210

something like that in the Berkeley

24

00:01:20,190 --> 00:01:18,909

Hills which I felt got me out of bed I

25

00:01:22,770 --> 00:01:20,200

can promise you that in the middle of

26

00:01:24,510 --> 00:01:22,780

the night and my first instinct and

27

00:01:28,139 --> 00:01:24,520

reaction probably based on

28

00:01:32,399 --> 00:01:28,149

I don't know TV was to run and be under

29

00:01:35,280 --> 00:01:32,409

a doorframe if there happens to be any

30

00:01:38,100 --> 00:01:35,290

more earth tremors while I'm here I

31

00:01:41,190 --> 00:01:38,110

shall let you know coming up on this

32

00:01:44,609 --> 00:01:41,200

week's show psychic detectives yes that

33

00:01:48,139 --> 00:01:44,619

topic comes back again now in Australia

34

00:01:50,910 --> 00:01:48,149

at the moment there is a search underway

35

00:01:52,889 --> 00:01:50,920

although the latest news I heard is the

36

00:01:55,289 --> 00:01:52,899

official police searches either being

37

00:01:57,990 --> 00:01:55,299

called off or scaled back is the

38

00:02:00,539 --> 00:01:58,000

backpack up just a kid a 19 year old guy

39

00:02:02,399 --> 00:02:00,549

from Belgium has gone missing on the far

40

00:02:04,919 --> 00:02:02,409

north coast of New South Wales not far

41

00:02:06,149 --> 00:02:04,929

from where Heidi Robinson lives our

42

00:02:09,180 --> 00:02:06,159

reporter from the Northern Rivers

43

00:02:13,490 --> 00:02:09,190

vaccination supporters he's gone missing

44

00:02:16,920 --> 00:02:13,500

there's been frantic searches and as

45

00:02:19,860 --> 00:02:16,930

night follows day people who think they

46

00:02:23,550 --> 00:02:19,870

have special psychic magical powers have

47

00:02:25,380 --> 00:02:23,560

offered their help and I thought this

48

00:02:29,130 --> 00:02:25,390

was a good opportunity to once again

49

00:02:30,869 --> 00:02:29,140

look into the topic of so-called psychic

50

00:02:32,930 --> 00:02:30,879

detectives or people who think they have

51
00:02:35,720 --> 00:02:32,940
wonderful powers

52
00:02:37,790 --> 00:02:35,730
for whatever motivation be it from the

53
00:02:40,610 --> 00:02:37,800
goodness of their heart or something

54
00:02:43,880 --> 00:02:40,620
more sinister we usually end up plaguing

55
00:02:45,560 --> 00:02:43,890
the police with useless information so

56
00:02:48,230 --> 00:02:45,570
in this episode we'll look at a couple

57
00:02:52,090 --> 00:02:48,240
of cases in Australia where these

58
00:02:54,680 --> 00:02:52,100
psychic detectives and other people have

59
00:02:57,560 --> 00:02:54,690
well basically made nuisances of

60
00:03:00,530 --> 00:02:57,570
themselves after that without any earth

61
00:03:02,930 --> 00:03:00,540
tremors I visit the Berkeley Botanic

62
00:03:04,670 --> 00:03:02,940
Gardens with dr. eugenie Scott to

63
00:03:07,220 --> 00:03:04,680

discover what the National Center for

64

00:03:10,310 --> 00:03:07,230

Science education were up to on the day

65

00:03:13,460 --> 00:03:10,320

and the day was dedicated to bugs to

66

00:03:15,740 --> 00:03:13,470

insects I even saw a tarantula which was

67

00:03:16,940 --> 00:03:15,750

quite impressive but we visit the table

68

00:03:19,100 --> 00:03:16,950

of the National Center for science

69

00:03:21,590 --> 00:03:19,110

education to discover what they're doing

70

00:03:23,570 --> 00:03:21,600

with their science outreach talking

71

00:03:26,180 --> 00:03:23,580

about mosquitoes and I get to make a

72

00:03:29,150 --> 00:03:26,190

keychain now good news a feel-good story

73

00:03:30,350 --> 00:03:29,160

this week on the skeptic zone then to

74

00:03:33,500 --> 00:03:30,360

round off the show something different

75

00:03:35,600 --> 00:03:33,510

something different we dive back into

76
00:03:38,270 --> 00:03:35,610
the pages of the Australian Woman's

77
00:03:39,740 --> 00:03:38,280
Weekly magazine although in this report

78
00:03:41,479 --> 00:03:39,750
I sometimes refer to it as the

79
00:03:42,350 --> 00:03:41,489
Australian Women's Weekly it's a bit of

80
00:03:44,470 --> 00:03:42,360
a slip of the tongue

81
00:03:47,510 --> 00:03:44,480
it's the Australian Woman's Weekly

82
00:03:52,280 --> 00:03:47,520
magazine famous magazine in Australia

83
00:03:54,710 --> 00:03:52,290
and we dive back to 1977 to discover

84
00:03:59,050 --> 00:03:54,720
what they were telling their readers

85
00:04:03,670 --> 00:03:59,060
about ESP do you remember that term ESP

86
00:04:06,800 --> 00:04:03,680
before the term psychic was widely used

87
00:04:10,010 --> 00:04:06,810
all those things back in the 1970s was

88
00:04:13,580 --> 00:04:10,020

basically round ESP extrasensory

89

00:04:14,479 --> 00:04:13,590

perception as a phrase a term you don't

90

00:04:18,770 --> 00:04:14,489

hear much anymore

91

00:04:21,020 --> 00:04:18,780

do you have ESP included in this look

92

00:04:24,470 --> 00:04:21,030

back is a test you can do to determine

93

00:04:28,220 --> 00:04:24,480

if you have ESP now don't forget you

94

00:04:30,350 --> 00:04:28,230

people in Australia and New Zealand both

95

00:04:33,800 --> 00:04:30,360

countries have national skeptics

96

00:04:36,140 --> 00:04:33,810

conventions coming up conference 2019 in

97

00:04:39,350 --> 00:04:36,150

New Zealand will be held at the Arts

98

00:04:42,620 --> 00:04:39,360

Centre in Christchurch and that's at the

99

00:04:45,350 --> 00:04:42,630

end of November and the special guests

100

00:04:48,830 --> 00:04:45,360

the skeptics guide to the universe

101
00:04:50,240 --> 00:04:48,840
crew will also be attending the

102
00:04:52,700 --> 00:04:50,250
Australian skeptics National Convention

103
00:04:54,920 --> 00:04:52,710
in Melbourne put them in your diary

104
00:04:56,600 --> 00:04:54,930
links in this week's show notes more

105
00:04:58,640 --> 00:04:56,610
announcements from me at the end of the

106
00:05:02,179 --> 00:04:58,650
show but before we get stuck into the

107
00:05:05,149 --> 00:05:02,189
show a big congratulations to my dear

108
00:05:06,730 --> 00:05:05,159
friend dr. Pamela gay the wonderfully

109
00:05:09,589 --> 00:05:06,740
entertaining and knowledgeable

110
00:05:11,119 --> 00:05:09,599
astronomer who you hear regularly on the

111
00:05:13,040 --> 00:05:11,129
skeptic zone with promotions for

112
00:05:16,670 --> 00:05:13,050
astronomy cast her podcast she does with

113
00:05:20,330 --> 00:05:16,680

Fraser Cain Pamela and I'm reading off

114

00:05:24,499 --> 00:05:20,340

the humanist comm website where it says

115

00:05:25,430 --> 00:05:24,509

meet the 2019 Isaac Asimov Science Award

116

00:05:27,950 --> 00:05:25,440

recipient

117

00:05:30,619 --> 00:05:27,960

Pamela gay dr. Pamela gay is an

118

00:05:33,170 --> 00:05:30,629

astronomer writer and podcaster focused

119

00:05:35,990 --> 00:05:33,180

on using new media to engage people in

120

00:05:38,450 --> 00:05:36,000

science and technology her most well

121

00:05:41,420 --> 00:05:38,460

known project is astronomy cast a

122

00:05:44,149 --> 00:05:41,430

podcast in its ninth year that she

123

00:05:46,999 --> 00:05:44,159

co-hosts with the Fraser Cain producer

124

00:05:49,129 --> 00:05:47,009

of Universe Today she also helped build

125

00:05:51,740 --> 00:05:49,139

the Cosmo quest a virtual research

126

00:05:54,080 --> 00:05:51,750

facility a second-generation citizen

127

00:05:55,969 --> 00:05:54,090

science site designed to provide the

128

00:05:59,240 --> 00:05:55,979

public with opportunities to participate

129

00:06:01,430 --> 00:05:59,250

in NASA related science programs while

130

00:06:04,670 --> 00:06:01,440

also giving them access to online

131

00:06:06,740 --> 00:06:04,680

seminars star parties classes and more

132

00:06:08,570 --> 00:06:06,750

and the article goes on it's quite

133

00:06:10,459 --> 00:06:08,580

lengthy worth your time to have a look

134

00:06:14,029 --> 00:06:10,469

but I really wanted to say a heartfelt

135

00:06:16,550 --> 00:06:14,039

congratulations to dr. Pamela gay a very

136

00:06:17,839 --> 00:06:16,560

hard-working woman indeed well that's

137

00:06:21,559 --> 00:06:17,849

enough for me at the moment it's time

138

00:06:24,050 --> 00:06:21,569

for me to run upstairs grab a nice cold

139

00:06:25,939 --> 00:06:24,060

root beer from the fridge and maybe a

140

00:06:28,790 --> 00:06:25,949

hotdog or something very American I'm

141

00:06:31,129 --> 00:06:28,800

not sure what tuned into the television

142

00:06:34,459 --> 00:06:31,139

and see the Australian women's soccer

143

00:06:37,100 --> 00:06:34,469

team faced off with Norway at the World

144

00:06:38,930 --> 00:06:37,110

Cup well I'm doing all that because

145

00:06:42,260 --> 00:06:38,940

things are recorded in a strange order

146

00:06:44,000 --> 00:06:42,270

for any podcast I think I hope you enjoy

147

00:07:13,429 --> 00:06:44,010

the skeptic zone

148

00:07:15,889 --> 00:07:13,439

[Music]

149

00:07:18,350 --> 00:07:15,899

it wasn't so long ago on the sceptic

150

00:07:21,429 --> 00:07:18,360

zone and I was speaking to my old friend

151
00:07:24,379 --> 00:07:21,439
Ben Radford Ben as you might remember

152
00:07:26,689 --> 00:07:24,389
here's one of the United States leading

153
00:07:29,589 --> 00:07:26,699
authorities when it comes to the

154
00:07:33,679 --> 00:07:29,599
question of so-called psychic detectives

155
00:07:35,719 --> 00:07:33,689
and this topic is one of my I don't want

156
00:07:40,399 --> 00:07:35,729
to say the word favorite but it sounds a

157
00:07:43,549 --> 00:07:40,409
bit weird it's one of my well it's one

158
00:07:47,179 --> 00:07:43,559
of the topics I find very interesting in

159
00:07:48,979 --> 00:07:47,189
the skeptical realm and sphere and I

160
00:07:50,509 --> 00:07:48,989
must think our reporter Heidi Robertson

161
00:07:53,689 --> 00:07:50,519
from the Northern Rivers vaccination

162
00:07:55,399 --> 00:07:53,699
supporters who drew my attention to a

163
00:07:59,149 --> 00:07:55,409

case that's happening in her neck of the

164

00:08:01,549 --> 00:07:59,159

woods at the moment was very unfortunate

165

00:08:05,839 --> 00:08:01,559

a worrying case at the moment

166

00:08:07,309 --> 00:08:05,849

concerning a young backpacker visiting

167

00:08:12,199 --> 00:08:07,319

Australia from Belgium

168

00:08:15,589 --> 00:08:12,209

Theo hay is now Theo disappeared from

169

00:08:19,639 --> 00:08:15,599

the Byron Bay Area on May the 31st there

170

00:08:22,579 --> 00:08:19,649

are records of him visiting a wine shop

171

00:08:26,299 --> 00:08:22,589

and alcohol shop bottle shop and offi

172

00:08:30,499 --> 00:08:26,309

whatever you want to call it which is on

173

00:08:32,659 --> 00:08:30,509

videotape on the CC tape and then there

174

00:08:35,689 --> 00:08:32,669

are reports of him leaving a nightclub

175

00:08:38,240 --> 00:08:35,699

apparently intoxicated anyway he has

176

00:08:42,259 --> 00:08:38,250

gone missing and it was some days before

177

00:08:43,699 --> 00:08:42,269

I think the alarm was raised and those

178

00:08:45,259 --> 00:08:43,709

people in Australia will be very

179

00:08:48,439 --> 00:08:45,269

familiar with this case because it's

180

00:08:51,259 --> 00:08:48,449

currently on the news media large-scale

181

00:08:53,329 --> 00:08:51,269

searches of the Byron Bay area and there

182

00:08:56,150 --> 00:08:53,339

are some rugged areas around Byron Bay

183

00:08:59,749 --> 00:08:56,160

and some cliffs and things like that so

184

00:09:03,799 --> 00:08:59,759

far at the time of recording the police

185

00:09:05,120 --> 00:09:03,809

have not yet found the whereabouts of

186

00:09:08,569 --> 00:09:05,130

missing theo

187

00:09:10,160 --> 00:09:08,579

Hayes and I'm sure the police are

188

00:09:13,879 --> 00:09:10,170

grateful for all the help and support

189

00:09:16,460 --> 00:09:13,889

the local community has given being out

190

00:09:19,819 --> 00:09:16,470

there searching for this missing

191

00:09:21,860 --> 00:09:19,829

backpacker and well I must admit you

192

00:09:23,480 --> 00:09:21,870

know a missing backpacker does strike a

193

00:09:25,189 --> 00:09:23,490

chord with me because many years ago

194

00:09:25,920 --> 00:09:25,199

many years ago I used to work in the

195

00:09:28,769 --> 00:09:25,930

backpack

196

00:09:31,170 --> 00:09:28,779

industry but yes police are grateful for

197

00:09:33,480 --> 00:09:31,180

the help of locals in getting out there

198

00:09:38,780 --> 00:09:33,490

and helping to search but what I'm sure

199

00:09:41,519 --> 00:09:38,790

they don't need is the interference and

200

00:09:43,500 --> 00:09:41,529

confusion and false hopes brought up by

201

00:09:46,530 --> 00:09:43,510

so-called psychic detectives or just

202

00:09:50,990 --> 00:09:46,540

psychics and we have a look at the case

203

00:09:56,540 --> 00:09:51,000

of one of these people by the name of TK

204

00:09:59,730 --> 00:09:56,550

t EA ka Wai and she's a self-proclaimed

205

00:10:02,579 --> 00:09:59,740

psychic who lives on the Sunshine Coast

206

00:10:05,610 --> 00:10:02,589

and the Sunshine Coast is roughly a

207

00:10:08,460 --> 00:10:05,620

three hour drive away from the Byron Bay

208

00:10:11,610 --> 00:10:08,470

Area and a quick google of her name

209

00:10:14,670 --> 00:10:11,620

returns results like psychic claims

210

00:10:17,610 --> 00:10:14,680

belgium backpacker theo haze is stuck on

211

00:10:21,510 --> 00:10:17,620

a cliff psychic claims missing belgium

212

00:10:24,110 --> 00:10:21,520

backpacker is alive and so on so the

213

00:10:27,210 --> 00:10:24,120

press are reporting what a

214

00:10:31,650 --> 00:10:27,220

self-proclaimed psychic has to say about

215

00:10:33,750 --> 00:10:31,660

an ongoing case it's news it's making

216

00:10:35,130 --> 00:10:33,760

the news and just taking one of these

217

00:10:37,260 --> 00:10:35,140

news reports at random

218

00:10:40,050 --> 00:10:37,270

psychic claims belgium backpacker theo

219

00:10:43,320 --> 00:10:40,060

hay is is quote stuck on a cliff top in

220

00:10:45,810 --> 00:10:43,330

quote an australian psychic has claimed

221

00:10:49,230 --> 00:10:45,820

missing belgium backpacker theo hairs is

222

00:10:51,840 --> 00:10:49,240

alive and stranded on a byron bay cliff

223

00:10:55,050 --> 00:10:51,850

top self-proclaimed psychic medium

224

00:10:57,600 --> 00:10:55,060

TK took to facebook on wednesday to urge

225

00:10:59,910 --> 00:10:57,610

residents to conduct a search in broken

226

00:11:03,900 --> 00:10:59,920

head New South Wales claiming she can

227

00:11:07,410 --> 00:11:03,910

see the 18 year old trapped in a rugged

228

00:11:10,440 --> 00:11:07,420

area and they have reproduced here a

229

00:11:14,370 --> 00:11:10,450

screenshot of her Facebook posting which

230

00:11:18,060 --> 00:11:14,380

says okay now I'm going to put this here

231

00:11:21,180 --> 00:11:18,070

I have to I have been using my psychic

232

00:11:25,760 --> 00:11:21,190

medium skills to track where Theo Hayes

233

00:11:29,400 --> 00:11:25,770

has been is at etc since last night

234

00:11:33,090 --> 00:11:29,410

broken head needs to be searched ASAP

235

00:11:36,090 --> 00:11:33,100

the rugged part oceanside please if

236

00:11:39,310 --> 00:11:36,100

anyone is near go there go out there

237

00:11:42,310 --> 00:11:39,320

listen out for him calling out help

238

00:11:45,340 --> 00:11:42,320

I call out to him too I can see him

239

00:11:46,060 --> 00:11:45,350

stuck in an area he did not realize was

240

00:11:48,040 --> 00:11:46,070

so rugged

241

00:11:50,499 --> 00:11:48,050

he was walking through bush last night

242

00:11:50,710 --> 00:11:50,509

towards the ocean because he could hear

243

00:11:54,370 --> 00:11:50,720

it

244

00:11:57,850 --> 00:11:54,380

I saw the moonlight on his face he is

245

00:12:01,030 --> 00:11:57,860

worn out but has had drinking water from

246

00:12:03,009 --> 00:12:01,040

the land yes there are other things that

247

00:12:05,980 --> 00:12:03,019

have happened as far as I have been able

248

00:12:10,120 --> 00:12:05,990

to see but this is what is most

249

00:12:12,550 --> 00:12:10,130

important now people have broken head go

250

00:12:14,559 --> 00:12:12,560

out there and call out to him and listen

251
00:12:17,439 --> 00:12:14,569
for his call thank you

252
00:12:20,710 --> 00:12:17,449
and with some information that's come to

253
00:12:23,319 --> 00:12:20,720
me via Facebook postings there are

254
00:12:27,460 --> 00:12:23,329
people out there who have read this and

255
00:12:29,740 --> 00:12:27,470
have gone to exactly where T K has

256
00:12:32,470 --> 00:12:29,750
suggested they look and even sent

257
00:12:34,240 --> 00:12:32,480
photographs of them searching t K is of

258
00:12:37,569 --> 00:12:34,250
course fueling this activity and she

259
00:12:40,300 --> 00:12:37,579
goes on to say in other posts Theo is in

260
00:12:43,090 --> 00:12:40,310
a very dense area he got stuck in the

261
00:12:45,189 --> 00:12:43,100
area last night whilst he was trying to

262
00:12:47,590 --> 00:12:45,199
head to the beach he could hear the

263
00:12:49,689 --> 00:12:47,600

ocean that's why he was moving towards

264

00:12:53,769 --> 00:12:49,699

it last night unfortunately he did not

265

00:12:56,860 --> 00:12:53,779

see he was going deep into a valley type

266

00:12:59,800 --> 00:12:56,870

area a low area he is now worn out and

267

00:13:03,120 --> 00:12:59,810

to be clear and this is all in caps

268

00:13:04,449 --> 00:13:03,130

I have already passed on all information

269

00:13:09,370 --> 00:13:04,459

thank you

270

00:13:11,319 --> 00:13:09,380

and somebody replying - TK TK I don't

271

00:13:14,079 --> 00:13:11,329

know whether this might be anything but

272

00:13:17,110 --> 00:13:14,089

dot dot a film called

273

00:13:19,569 --> 00:13:17,120

girl in the spider's web was showing

274

00:13:21,639 --> 00:13:19,579

ages ago at the pig house flicks movie

275

00:13:24,639 --> 00:13:21,649

house in byron but it's in the vicinity

276

00:13:28,389 --> 00:13:24,649

and you seem to be really connected with

277

00:13:31,389 --> 00:13:28,399

the spider web part dot dot i wonder if

278

00:13:34,210 --> 00:13:31,399

this area near the cinema needs to be

279

00:13:36,069 --> 00:13:34,220

explored further and it just goes on

280

00:13:40,889 --> 00:13:36,079

with these people feeding off each

281

00:13:44,439 --> 00:13:40,899

other's delusions and it is a pity that

282

00:13:47,620 --> 00:13:44,449

this story is getting media attention of

283

00:13:50,800 --> 00:13:47,630

these ramblings from somebody who thinks

284

00:13:52,660 --> 00:13:50,810

they're psychic again it's because it

285

00:13:55,120 --> 00:13:52,670

involves the current case

286

00:13:58,660 --> 00:13:55,130

and as our friend Heidi Robertson points

287

00:14:01,240 --> 00:13:58,670

out that the TK sent people out at 4

288

00:14:05,190 --> 00:14:01,250

p.m. when it gets dark around 5 p.m.

289

00:14:08,200 --> 00:14:05,200

into dense and dangerous terrain on her

290

00:14:10,720 --> 00:14:08,210

fields and she says police have a

291

00:14:12,970 --> 00:14:10,730

coordinated rescue effort in place and

292

00:14:16,330 --> 00:14:12,980

this is not helping if someone else gets

293

00:14:19,780 --> 00:14:16,340

injured where is the accountability on

294

00:14:21,640 --> 00:14:19,790

her and we have yet another case of a

295

00:14:24,010 --> 00:14:21,650

psychic in the news at the moment a

296

00:14:28,380 --> 00:14:24,020

so-called psychic in this instance it's

297

00:14:30,880 --> 00:14:28,390

the case of William Terrell who aged 3

298

00:14:33,280 --> 00:14:30,890

disappeared from Kendall New South Wales

299

00:14:36,790 --> 00:14:33,290

and that was on the 12th of September

300

00:14:40,390 --> 00:14:36,800

2014 he's still missing and it has

301
00:14:43,390 --> 00:14:40,400
become quite a famous case with ongoing

302
00:14:46,720 --> 00:14:43,400
investigations and so we have somebody

303
00:14:50,710 --> 00:14:46,730
called Pamela Coronado in the United

304
00:14:54,790 --> 00:14:50,720
States and she's known for being on

305
00:14:56,680 --> 00:14:54,800
programs like dr. Phil she claims to be

306
00:14:58,300 --> 00:14:56,690
a psychic detective and indeed looking

307
00:15:00,070 --> 00:14:58,310
her up on the internet I've come across

308
00:15:02,440 --> 00:15:00,080
videos of her claiming to be a psychic

309
00:15:05,560 --> 00:15:02,450
detective recently she was asked about

310
00:15:08,530 --> 00:15:05,570
the William toriel case and well this is

311
00:15:12,280 --> 00:15:08,540
what she had to say I don't get remains

312
00:15:15,190 --> 00:15:12,290
I look at it like I said if I go to

313
00:15:19,110 --> 00:15:15,200

where he is in this moment sit next to

314

00:15:24,740 --> 00:15:19,120

him he's munching on a sandwich and

315

00:15:30,190 --> 00:15:27,240

[Music]

316

00:15:32,230 --> 00:15:30,200

and he seems like a kid that doesn't

317

00:15:34,540 --> 00:15:32,240

have a care in the world like he's the

318

00:15:38,770 --> 00:15:34,550

normal kid like he's acting like it

319

00:15:42,310 --> 00:15:38,780

won't look good when I keep seeing those

320

00:15:43,750 --> 00:15:42,320

like metal old fat you know we don't

321

00:15:46,030 --> 00:15:43,760

have them here anymore anything's

322

00:15:47,830 --> 00:15:46,040

plastic but we used to have metal play

323

00:15:49,600 --> 00:15:47,840

equipment you know that you climbed on

324

00:15:52,000 --> 00:15:49,610

monkey bars I've been followed monkey

325

00:15:56,620 --> 00:15:52,010

bars my go around the front of the

326

00:15:58,740 --> 00:15:56,630

school I wonder if it's private I wonder

327

00:16:02,070 --> 00:15:58,750

if it's us a church like Church

328

00:16:04,780 --> 00:16:02,080

affiliated or you reminds me of a church

329

00:16:09,010 --> 00:16:04,790

so according to Pamela cornado

330

00:16:11,680 --> 00:16:09,020

William Terrell is alive and living on

331

00:16:13,900 --> 00:16:11,690

the other side of the country in Western

332

00:16:18,250 --> 00:16:13,910

Australia now looking up information

333

00:16:22,350 --> 00:16:18,260

about Pamela Coronado we discover that a

334

00:16:24,250 --> 00:16:22,360

lot of the media reporting on this

335

00:16:27,130 --> 00:16:24,260

regurgitate the same bit of information

336

00:16:30,640 --> 00:16:27,140

that she helped California police find a

337

00:16:34,120 --> 00:16:30,650

missing person in 1996 all I can find on

338

00:16:36,670 --> 00:16:34,130

that in what I will admit as a brief

339

00:16:38,620 --> 00:16:36,680

search is the same thing repeated again

340

00:16:41,350 --> 00:16:38,630

and again and there's a reference to

341

00:16:44,020 --> 00:16:41,360

this on her own website so it certainly

342

00:16:45,640 --> 00:16:44,030

looks like a case of other media outlets

343

00:16:47,530 --> 00:16:45,650

going to her web site looking at the

344

00:16:50,050 --> 00:16:47,540

information and simply regurgitating it

345

00:16:51,460 --> 00:16:50,060

well let's be honest they don't have

346

00:16:53,470 --> 00:16:51,470

time to really investigate these things

347

00:16:55,990 --> 00:16:53,480

they've got a story to produce and

348

00:16:57,880 --> 00:16:56,000

that's what they do I'd imagine that

349

00:16:59,380 --> 00:16:57,890

this psychic in the United States are

350

00:17:04,210 --> 00:16:59,390

saying that Australian boy William

351

00:17:06,939 --> 00:17:04,220

Terrell is alive well we certainly hope

352

00:17:10,300 --> 00:17:06,949

so we certainly really do hope so but

353

00:17:13,060 --> 00:17:10,310

this is in contradiction to local

354

00:17:16,329 --> 00:17:13,070

psychics in Australia who say that

355

00:17:18,370 --> 00:17:16,339

William Tyrael is dead and I have a

356

00:17:20,890 --> 00:17:18,380

couple of examples which I use in one of

357

00:17:24,420 --> 00:17:20,900

my talks about psychic detectives we

358

00:17:29,020 --> 00:17:24,430

have the example of psychic medium

359

00:17:31,570 --> 00:17:29,030

Karen and psychic medium Karen uses a

360

00:17:33,550 --> 00:17:31,580

spirit box which we've discussed on the

361

00:17:35,670 --> 00:17:33,560

skeptic zone before for those of you who

362

00:17:36,910 --> 00:17:35,680

don't know a spirit box is a little

363

00:17:40,360 --> 00:17:36,920

receiver

364

00:17:42,820 --> 00:17:40,370

through free

365

00:17:44,620 --> 00:17:42,830

Quincy's one after the other stops for

366

00:17:46,780 --> 00:17:44,630

about a second and then carries on and

367

00:17:49,390 --> 00:17:46,790

every now and then you pick up a word or

368

00:17:51,820 --> 00:17:49,400

two from some transmission and then

369

00:17:55,150 --> 00:17:51,830

maybe a partial word or something like

370

00:17:59,830 --> 00:17:55,160

that and the idea is this is really the

371

00:18:04,390 --> 00:17:59,840

spirits using radio waves to contact the

372

00:18:05,110 --> 00:18:04,400

medium yes it it is as ridiculous as it

373

00:18:09,810 --> 00:18:05,120

sounds

374

00:18:12,580 --> 00:18:09,820

however psychic medium Karen has

375

00:18:15,419 --> 00:18:12,590

discovered by use of this spirit box

376

00:18:18,070 --> 00:18:15,429

that William Terrell is dead

377

00:18:26,330 --> 00:18:18,080

can I speak to really want Terrell

378

00:18:41,180 --> 00:18:36,400

we took here William dad

379

00:18:43,400 --> 00:18:41,190

and that was psychic medium Karen using

380

00:18:46,400 --> 00:18:43,410

her spirit box talking to the spirit of

381

00:18:49,700 --> 00:18:46,410

the late William Terrell if we were to

382

00:18:55,670 --> 00:18:49,710

believe her also we have the people from

383

00:18:59,900 --> 00:18:55,680

yes why dot e dot s dot your why are you

384

00:19:01,670 --> 00:18:59,910

are experiencing supernatural and a

385

00:19:03,320 --> 00:19:01,680

quick look at their webpage provides us

386

00:19:05,300 --> 00:19:03,330

with the services they offer

387

00:19:08,060 --> 00:19:05,310

palm reading at one hundred and fifty

388

00:19:10,070 --> 00:19:08,070

dollars an hour house energy cleansing

389

00:19:12,520 --> 00:19:10,080

two hundred dollars mediumship one

390

00:19:14,750 --> 00:19:12,530

hundred and fifty dollars and so on even

391

00:19:17,390 --> 00:19:14,760

exorcisms at three hundred dollars

392

00:19:20,480 --> 00:19:17,400

something to keep in mind and one of the

393

00:19:23,240 --> 00:19:20,490

crew at this at this site

394

00:19:27,040 --> 00:19:23,250

Verena has also of the opinion that

395

00:19:32,510 --> 00:19:27,050

William Tyrell is dead because his

396

00:19:35,000 --> 00:19:32,520

spirit contacted her not only that that

397

00:19:37,760 --> 00:19:35,010

she and her crew set off to the area

398

00:19:42,110 --> 00:19:37,770

from which William was apparently

399

00:19:44,840 --> 00:19:42,120

abducted to do their own search complete

400

00:19:47,900 --> 00:19:44,850

with a toy spider-man that they said on

401
00:19:50,450 --> 00:19:47,910
the ground in bushland to encourage the

402
00:19:53,000 --> 00:19:50,460
spirit of William Terrell he is a short

403
00:19:55,340 --> 00:19:53,010
clip from one of their videos hi I'm

404
00:19:59,120 --> 00:19:55,350
Karina from yes sir experiencing

405
00:20:01,970 --> 00:19:59,130
supernatural and psychic wonders now why

406
00:20:04,070 --> 00:20:01,980
I'm talking to you today is to make you

407
00:20:06,920 --> 00:20:04,080
aware of what we're up to it's

408
00:20:08,870 --> 00:20:06,930
paranormal investigative crew Altena

409
00:20:12,190 --> 00:20:08,880
Brian and myself will be going to

410
00:20:15,740 --> 00:20:12,200
Kendall New South Wales to in search of

411
00:20:18,230 --> 00:20:15,750
William Terrell now why are we doing

412
00:20:19,880 --> 00:20:18,240
this is because William came to me a

413
00:20:24,410 --> 00:20:19,890

very long time ago couple years ago

414

00:20:26,900 --> 00:20:24,420

three when he first went missing his

415

00:20:29,390 --> 00:20:26,910

spirit came to me from a computer there

416

00:20:32,210 --> 00:20:29,400

and yes we believe he has passed and not

417

00:20:32,610 --> 00:20:32,220

long after he went missing now we have

418

00:20:34,560 --> 00:20:32,620

had

419

00:20:36,450 --> 00:20:34,570

leaves and we have given everything all

420

00:20:40,560 --> 00:20:36,460

the information to the police

421

00:20:44,549 --> 00:20:40,570

years ago so is William Dead or Alive we

422

00:20:46,230 --> 00:20:44,559

certainly all hope he is still alive he

423

00:20:48,750 --> 00:20:46,240

has been abducted and is living

424

00:20:50,670 --> 00:20:48,760

somewhere when I can't help wondering

425

00:20:53,250 --> 00:20:50,680

why the media have not bothered to make

426

00:20:55,710 --> 00:20:53,260

the same point I just made is that we

427

00:20:57,299 --> 00:20:55,720

have so-called psychics saying that he's

428

00:20:59,370 --> 00:20:57,309

alive and well and living somewhere in

429

00:21:00,990 --> 00:20:59,380

psychics saying he's dead and has

430

00:21:04,820 --> 00:21:01,000

already passed over and sending the

431

00:21:07,320 --> 00:21:04,830

messages from the beyond if William is

432

00:21:09,660 --> 00:21:07,330

discovered alive of course the psychic

433

00:21:12,510 --> 00:21:09,670

here in the United States will claim it

434

00:21:15,810 --> 00:21:12,520

as a victory if William is sadly

435

00:21:17,730 --> 00:21:15,820

discovered to have died and the psychics

436

00:21:18,390 --> 00:21:17,740

in Australia will claim that they knew

437

00:21:20,730 --> 00:21:18,400

it all along

438

00:21:24,990 --> 00:21:20,740

but I'll in this little report with a

439

00:21:26,910 --> 00:21:25,000

short clip from the former Detective

440

00:21:29,160 --> 00:21:26,920

Chief Inspector Gary jubilant who was

441

00:21:31,650 --> 00:21:29,170

working on the William Tyrol case who

442

00:21:33,450 --> 00:21:31,660

held a press conference on the third

443

00:21:35,790 --> 00:21:33,460

anniversary of the disappearance of

444

00:21:38,340 --> 00:21:35,800

William Tyrell and made the following

445

00:21:39,000 --> 00:21:38,350

remarks encourage those people to come

446

00:21:40,950 --> 00:21:39,010

forth

447

00:21:42,750 --> 00:21:40,960

but please don't waste our time we're

448

00:21:44,760 --> 00:21:42,760

not interested in information from

449

00:21:46,970 --> 00:21:44,770

clairvoyance or people that have dreams

450

00:21:49,260 --> 00:21:46,980

we've focused on this investigation

451
00:21:53,480 --> 00:21:49,270
following up information that's relevant

452
00:21:57,330 --> 00:21:53,490
to Williams disappearance be mindful

453
00:22:03,620 --> 00:22:00,519
how frustrating especially when you're

454
00:22:08,940 --> 00:22:07,500
very annoying very annoying and I think

455
00:22:11,100 --> 00:22:08,950
quite often they prey on vulnerable

456
00:22:12,960 --> 00:22:11,110
people I've seen it not just in this

457
00:22:15,960 --> 00:22:12,970
investigation in other investigations

458
00:22:18,120 --> 00:22:15,970
where they involve themselves in the

459
00:22:21,180 --> 00:22:18,130
investigation based on a dream or you

460
00:22:23,430 --> 00:22:21,190
know claim to be clairvoyant I've never

461
00:22:24,690 --> 00:22:23,440
seen a clairvoyant solve it solving the

462
00:22:26,880 --> 00:22:24,700
investigation that's just a distraction

463
00:22:29,100 --> 00:22:26,890

it's a distraction that takes up our

464

00:22:31,680 --> 00:22:29,110

time and we'd like to focus on the facts

465

00:22:34,860 --> 00:22:31,690

and information proper information to to

466

00:22:38,460 --> 00:22:34,870

follow up on well we all hope that both

467

00:22:41,520 --> 00:22:38,470

Theo and William are discovered alive

468

00:22:43,470 --> 00:22:41,530

and well and if they are I'm sure it

469

00:22:46,890 --> 00:22:43,480

will be with absolutely no help

470

00:22:48,640 --> 00:22:46,900

whatsoever from so-called psychic

471

00:23:04,830 --> 00:22:48,650

detective

472

00:23:10,330 --> 00:23:08,200

hey fellow skeptics in Medford here with

473

00:23:12,369 --> 00:23:10,340

Celeste reward your friendly host of

474

00:23:14,229 --> 00:23:12,379

squaring the strange a podcast that

475

00:23:16,629 --> 00:23:14,239

looks at topics ranging from Legends

476
00:23:18,850 --> 00:23:16,639
panics and cryptids to PD myths

477
00:23:20,919 --> 00:23:18,860
psychology and folklore breaking things

478
00:23:23,019 --> 00:23:20,929
down and picking things apart as we

479
00:23:25,299 --> 00:23:23,029
skeptics do we bring a few different

480
00:23:27,789 --> 00:23:25,309
perspectives on things Fletcher for

481
00:23:28,899 --> 00:23:27,799
example is a witty cartoonist and Ben is

482
00:23:31,149 --> 00:23:28,909
a brilliant writer and longtime

483
00:23:33,580 --> 00:23:31,159
skeptical investigator we don't always

484
00:23:35,830 --> 00:23:33,590
agree well we have fun trying and we

485
00:23:38,470 --> 00:23:35,840
learn new things join us for new topics

486
00:23:40,749 --> 00:23:38,480
every week or two or browse our backlog

487
00:23:43,330 --> 00:23:40,759
of evergreen episodes available on

488
00:23:45,789 --> 00:23:43,340

iTunes and all your podcast feeding

489

00:23:51,100 --> 00:23:45,799

troughs squaring the strange take care

490

00:23:51,110 --> 00:24:06,450

[Music]

491

00:24:14,140 --> 00:24:09,700

the University of California Botanical

492

00:24:16,659 --> 00:24:14,150

Gardens is a 34 acre or 13.7 hectare the

493

00:24:18,970 --> 00:24:16,669

technical garden located on the

494

00:24:22,149 --> 00:24:18,980

University of California Berkeley campus

495

00:24:25,120 --> 00:24:22,159

in Strawberry Canyon the garden is in

496

00:24:26,980 --> 00:24:25,130

the Berkeley Hills inside the city

497

00:24:29,860 --> 00:24:26,990

boundary of Oakland we have views

498

00:24:31,419 --> 00:24:29,870

overlooking the San Francisco Bay it is

499

00:24:33,190 --> 00:24:31,429

one of the most diverse plant

500

00:24:36,279 --> 00:24:33,200

collections in the United States and

501
00:24:40,630 --> 00:24:36,289
famous for its large number of rare and

502
00:24:42,669 --> 00:24:40,640
endangered species it was a pleasure to

503
00:24:46,060 --> 00:24:42,679
visit the Botanical Gardens in the

504
00:24:48,580 --> 00:24:46,070
company of dr. eugenie Scott and blacks

505
00:24:54,330 --> 00:24:48,590
the groups exhibiting was the National

506
00:24:56,830 --> 00:24:54,340
Center for Science Education bugday

507
00:24:59,080 --> 00:24:56,840
bugday I'm not bugged at all it's bug

508
00:25:01,299 --> 00:24:59,090
day I'm here at B Botanic Gardens in

509
00:25:03,460 --> 00:25:01,309
Berkeley California with dr. eugenie

510
00:25:06,340 --> 00:25:03,470
Scott who's just running over here to

511
00:25:11,370 --> 00:25:06,350
look at her son who she's just pointing

512
00:25:14,860 --> 00:25:11,380
to one that says honey bee hive see a

513
00:25:17,980 --> 00:25:14,870

native bee California native bees honey

514

00:25:23,080 --> 00:25:17,990

tasting climate change in California

515

00:25:25,720 --> 00:25:23,090

bees Scott we have lots of things to

516

00:25:27,460 --> 00:25:25,730

look at here isn't this a beautiful we

517

00:25:30,850 --> 00:25:27,470

just can't say it's a beautiful day for

518

00:25:33,310 --> 00:25:30,860

me because the fog is in it's nice and

519

00:25:35,710 --> 00:25:33,320

crisp and cool I know you're not a fan

520

00:25:38,080 --> 00:25:35,720

of this way they would I here look I

521

00:25:39,880 --> 00:25:38,090

grew up in Wisconsin right if you grew

522

00:25:42,190 --> 00:25:39,890

up in Wisconsin you get lots of bragging

523

00:25:46,330 --> 00:25:42,200

rights about climate but rarely for it

524

00:25:49,600 --> 00:25:46,340

being too hot I understand so I actually

525

00:25:52,000 --> 00:25:49,610

really like hot weather and we had the

526

00:25:55,090 --> 00:25:52,010

marvelous wonderful fabulous

527

00:25:57,100 --> 00:25:55,100

heatwave last week rose in the 90s and

528

00:25:59,919 --> 00:25:57,110

everybody was crabbing about it and I

529

00:26:02,560 --> 00:25:59,929

was so happy but then you know I have

530

00:26:04,490 --> 00:26:02,570

brew at contrarian before there's the

531

00:26:07,730 --> 00:26:04,500

good boats but at least it's a reason

532

00:26:09,680 --> 00:26:07,740

Blee dry head which is quite tolerable

533

00:26:12,080 --> 00:26:09,690

anyway here we are at the Botanic

534

00:26:15,560 --> 00:26:12,090

Gardens on the hillside here above

535

00:26:19,460 --> 00:26:15,570

Berkeley it's beautiful scenery so so

536

00:26:23,680 --> 00:26:19,470

Green Mountains rolling hills I should

537

00:26:26,620 --> 00:26:23,690

say lots of people here for the bug day

538

00:26:32,420 --> 00:26:26,630

just walking along the path here

539

00:26:36,590 --> 00:26:32,430

families scattered about oh and we've

540

00:26:39,430 --> 00:26:36,600

come to a little sub area here with

541

00:26:44,150 --> 00:26:39,440

little stalls and stands and tables and

542

00:26:47,500 --> 00:26:44,160

lots of bugs and insects and the first

543

00:26:50,600 --> 00:26:47,510

table we come to is live insects and

544

00:26:55,100 --> 00:26:50,610

arthropods and there's a classic sort of

545

00:26:57,070 --> 00:26:55,110

display here butterflies and whatnot no

546

00:26:59,570 --> 00:26:57,080

I'm from Australia I'm doing a podcast

547

00:27:00,650 --> 00:26:59,580

science podcast called the skeptic zone

548

00:27:05,600 --> 00:27:00,660

science and reason

549

00:27:07,310 --> 00:27:05,610

how are you at oh and I'm just looking

550

00:27:09,260 --> 00:27:07,320

over here to my right folks and I'm

551
00:27:11,720 --> 00:27:09,270
seeing little terrariums I just come

552
00:27:15,440 --> 00:27:11,730
around pass all these people lined up

553
00:27:16,210 --> 00:27:15,450
here what do we have here oh my goodness

554
00:27:19,730 --> 00:27:16,220
me

555
00:27:22,150 --> 00:27:19,740
we've got Rose hair tarantula female

556
00:27:24,680 --> 00:27:22,160
yeah

557
00:27:26,180 --> 00:27:24,690
it's just like in the movies what I've

558
00:27:28,970 --> 00:27:26,190
never seen one of these before

559
00:27:32,150 --> 00:27:28,980
it's a giant hairy spider I know some of

560
00:27:33,470 --> 00:27:32,160
my friends would be running the opposite

561
00:27:34,430 --> 00:27:33,480
direction right now that's quite

562
00:27:36,650 --> 00:27:34,440
impressive

563
00:27:38,750 --> 00:27:36,660

you're pretty good size the animal I

564

00:27:40,640 --> 00:27:38,760

guess the closest you got is a huntsman

565

00:27:42,680 --> 00:27:40,650

I guess you guys have Huntsman we have

566

00:27:45,049 --> 00:27:42,690

Huntsman's but they're not as chunky you

567

00:27:47,270 --> 00:27:45,059

know there's a lot more spindly legs

568

00:27:50,180 --> 00:27:47,280

spindly leg and they live in the ceiling

569

00:27:52,159 --> 00:27:50,190

of the house but this one is huge that's

570

00:27:54,830 --> 00:27:52,169

a real eye-opener yeah that's about

571

00:27:57,380 --> 00:27:54,840

maximum size for that species that's a

572

00:27:58,940 --> 00:27:57,390

fully grown adult female and I

573

00:28:01,039 --> 00:27:58,950

understand they're relatively harmless

574

00:28:04,360 --> 00:28:01,049

well they might they can inflict a

575

00:28:07,130 --> 00:28:04,370

decent bite but they're generally there

576

00:28:08,870 --> 00:28:07,140

they're pretty easygoing spider so

577

00:28:10,370 --> 00:28:08,880

unless they feel threatening they're not

578

00:28:11,899 --> 00:28:10,380

gonna you know if they feel the need to

579

00:28:13,850 --> 00:28:11,909

defend themselves they do have a pretty

580

00:28:15,890 --> 00:28:13,860

good set of Calissa that they can put a

581

00:28:18,110 --> 00:28:15,900

pretty good bite on you with the venom

582

00:28:20,810 --> 00:28:18,120

is not particularly strong either so but

583

00:28:23,299 --> 00:28:20,820

it hurts if you look at this is a shed

584

00:28:25,730 --> 00:28:23,309

from a lot smaller one uh-huh you can

585

00:28:27,289 --> 00:28:25,740

see the fangs kind of right in there Wow

586

00:28:29,870 --> 00:28:27,299

pretty good-sized

587

00:28:36,919 --> 00:28:29,880

well I wouldn't tempt it I wouldn't try

588

00:28:41,510 --> 00:28:36,929

it and we have some other little oh here

589

00:28:44,390 --> 00:28:41,520

are some scorpions a tiny native species

590

00:28:50,240 --> 00:28:44,400

so they're pretty common here they

591

00:28:55,970 --> 00:28:50,250

fluoresce under black do that

592

00:28:59,640 --> 00:28:55,980

wow those are native to here this one's

593

00:29:01,080 --> 00:28:59,650

Jesus from Africa just opening up

594

00:29:04,049 --> 00:29:01,090

another one here and there's one hiding

595

00:29:06,900 --> 00:29:04,059

under some table oh wow you put a black

596

00:29:11,460 --> 00:29:06,910

light on it changes color it's a good

597

00:29:13,980 --> 00:29:11,470

way to collect in that night yeah that's

598

00:29:17,130 --> 00:29:13,990

and we have a centipede here Melia

599

00:29:17,990 --> 00:29:17,140

millipedes yep Wow lots of fun insects

600

00:29:21,510 --> 00:29:18,000

here

601
00:29:24,260 --> 00:29:21,520
no not insects - post alpha boxes

602
00:29:30,410 --> 00:29:24,270
absolutely well thank you very much

603
00:29:39,000 --> 00:29:35,640
right coming up to the back of a little

604
00:29:43,350 --> 00:29:39,010
building in and we found the table for

605
00:29:45,060 --> 00:29:43,360
the NCSC and it's very busy at the

606
00:29:49,110 --> 00:29:45,070
moment of people lined up to have a talk

607
00:29:50,790 --> 00:29:49,120
to the people here so we'll wait out

608
00:29:53,700 --> 00:29:50,800
there because the little kids are now oh

609
00:29:56,030 --> 00:29:53,710
yes swamping the table and picking up

610
00:29:58,740 --> 00:29:56,040
beads and doing all sorts of fun things

611
00:30:00,570 --> 00:29:58,750
it's nice that the the NCSC

612
00:30:03,930 --> 00:30:00,580
keep up the public outreach I think

613
00:30:07,919 --> 00:30:03,940

agreed yes that's a very important part

614

00:30:08,669 --> 00:30:07,929

of defending science education shall we

615

00:30:10,230 --> 00:30:08,679

say yeah

616

00:30:13,650 --> 00:30:10,240

is having a more scientifically literate

617

00:30:16,290 --> 00:30:13,660

population so that is a direction that

618

00:30:22,550 --> 00:30:16,300

NCSC has expanded upon and I'm delighted

619

00:30:28,020 --> 00:30:24,810

activity or they're making they're

620

00:30:31,650 --> 00:30:28,030

making keychains which is very suitable

621

00:30:35,340 --> 00:30:31,660

for the under five year old set here and

622

00:30:38,040 --> 00:30:35,350

each bead both bead on the keychain is

623

00:30:40,650 --> 00:30:38,050

another element that can be used in

624

00:30:42,270 --> 00:30:40,660

mosquito control so one of the beads is

625

00:30:44,460 --> 00:30:42,280

a little is shaped like a little fish

626
00:30:48,500 --> 00:30:44,470
because of course finish are one of the

627
00:30:51,750 --> 00:30:48,510
major predators for mosquito larva

628
00:30:54,210 --> 00:30:51,760
there's another colored bead that

629
00:30:57,410 --> 00:30:54,220
represents bed nets which of course is a

630
00:31:01,580 --> 00:30:57,420
very important way especially in

631
00:31:03,660 --> 00:31:01,590
tropical in third-world countries with

632
00:31:05,430 --> 00:31:03,670
protecting people against getting bitten

633
00:31:08,250 --> 00:31:05,440
is extremely important for malaria

634
00:31:12,000 --> 00:31:08,260
control another disease is carried by

635
00:31:14,250 --> 00:31:12,010
insects another colored bead represents

636
00:31:16,470 --> 00:31:14,260
insecticides so the kids can thread

637
00:31:20,100 --> 00:31:16,480
together one two three four five six

638
00:31:21,960 --> 00:31:20,110

seven eight different kinds of beads to

639

00:31:26,690 --> 00:31:21,970

represent different ways of controlling

640

00:31:32,940 --> 00:31:30,320

so each get a little peering with some

641

00:31:34,410 --> 00:31:32,950

some nylon fishing line or something

642

00:31:36,930 --> 00:31:34,420

like that and they can string their own

643

00:31:39,780 --> 00:31:36,940

beads which represent different ways to

644

00:31:46,620 --> 00:31:39,790

control mosquito and have a keychain

645

00:31:52,450 --> 00:31:50,280

well Cade cata good to see you again

646

00:31:56,409 --> 00:31:52,460

folks you might remember I interviewed

647

00:31:58,510 --> 00:31:56,419

taped some months ago for science

648

00:32:00,600 --> 00:31:58,520

education you hear the Botanic Gardens

649

00:32:03,310 --> 00:32:00,610

at Berkeley and you're helping kids make

650

00:32:06,039 --> 00:32:03,320

keychains to help teach them about

651
00:32:07,270 --> 00:32:06,049
mosquitoes what a wonderful idea and the

652
00:32:09,460 --> 00:32:07,280
kids are lined up here they're making

653
00:32:11,350 --> 00:32:09,470
all sorts of colorful keychains who came

654
00:32:13,990 --> 00:32:11,360
up with this fabulous idea um it was a

655
00:32:17,850 --> 00:32:14,000
combination of myself and our previous

656
00:32:20,530 --> 00:32:17,860
intern Emily vortex so we wanted to

657
00:32:22,150 --> 00:32:20,540
create an activity that explored how

658
00:32:24,610 --> 00:32:22,160
mosquito populations changed throughout

659
00:32:27,100 --> 00:32:24,620
time and we had tried maybe three or

660
00:32:30,400 --> 00:32:27,110
four variations of this for maybe the

661
00:32:32,680 --> 00:32:30,410
past year and it was maps and dice and

662
00:32:35,200 --> 00:32:32,690
it was getting overly complicated so you

663
00:32:37,960 --> 00:32:35,210

know we came up with this game where you

664

00:32:39,669 --> 00:32:37,970

dump cups and you just race to see how

665

00:32:41,590 --> 00:32:39,679

many mosquitoes you can pick up which is

666

00:32:43,810 --> 00:32:41,600

going on at the table over here right

667

00:32:46,060 --> 00:32:43,820

but we wanted to not just be doom and

668

00:32:48,190 --> 00:32:46,070

gloom and say mosquito populations are

669

00:32:50,169 --> 00:32:48,200

growing and they're getting worse so we

670

00:32:52,390 --> 00:32:50,179

also wanted to help kids feel empowered

671

00:32:54,039 --> 00:32:52,400

to figure out a strategy for controlling

672

00:32:56,500 --> 00:32:54,049

the mosquitoes so we came up with this

673

00:32:58,240 --> 00:32:56,510

keychain idea where they can string

674

00:32:59,620 --> 00:32:58,250

together beads representing this kind of

675

00:33:01,900 --> 00:32:59,630

combination of different strategies

676

00:33:03,549 --> 00:33:01,910

right and at the end of what they're

677

00:33:06,070 --> 00:33:03,559

doing they can read about it here in

678

00:33:07,960 --> 00:33:06,080

little chart but they get a wonderful

679

00:33:08,980 --> 00:33:07,970

keychain to take away and a sticker from

680

00:33:10,990 --> 00:33:08,990

the National Center for Science

681

00:33:13,030 --> 00:33:11,000

education and I think that's just a

682

00:33:15,700 --> 00:33:13,040

wonderful way to engage with the young

683

00:33:19,810 --> 00:33:15,710

kids here today and it's really nice to

684

00:33:22,810 --> 00:33:19,820

see you continuing the policy of science

685

00:33:25,120 --> 00:33:22,820

outreach looking along the table is a l

686

00:33:27,460 --> 00:33:25,130

love it a big box full of little

687

00:33:29,880 --> 00:33:27,470

compartments filled with little fish and

688

00:33:32,549 --> 00:33:29,890

little beads and all sorts of things

689

00:33:33,870 --> 00:33:32,559

actually have a high school volunteer

690

00:33:34,950 --> 00:33:33,880

program this summer so some of the

691

00:33:36,840 --> 00:33:34,960

people that are working here actually

692

00:33:39,450 --> 00:33:36,850

high school students lower themselves

693

00:33:42,990 --> 00:33:39,460

learning about how to teach science

694

00:33:44,789 --> 00:33:43,000

education effectively so it's we're not

695

00:33:46,350 --> 00:33:44,799

just working directly with the community

696

00:33:47,669 --> 00:33:46,360

members but we're working with kind of

697

00:33:48,950 --> 00:33:47,679

the older community members who might

698

00:33:51,330 --> 00:33:48,960

have phased out of traditional outreach

699

00:33:53,840 --> 00:33:51,340

to help them think about how do they now

700

00:33:56,970 --> 00:33:53,850

teach okay just like a win-win situation

701
00:33:58,320 --> 00:33:56,980
on both sides of the table here well you

702
00:34:00,539 --> 00:33:58,330
know what I'm gonna have to make myself

703
00:34:03,780 --> 00:34:00,549
the mosquito controller

704
00:34:05,430 --> 00:34:03,790
BuChE here thank you very

705
00:34:08,340 --> 00:34:05,440
oh look at that so I get a little Kiki

706
00:34:10,710 --> 00:34:08,350
ring here a little bit of oh it's nice

707
00:34:15,570 --> 00:34:10,720
nylon or something on the end I'm going

708
00:34:16,980 --> 00:34:15,580
to make my own right now mosquito so

709
00:34:21,599 --> 00:34:16,990
they don't think the beds would mosquito

710
00:34:22,980 --> 00:34:21,609
all right hello hello no I'm fine word

711
00:34:24,599 --> 00:34:22,990
the other table here at the National

712
00:34:27,060 --> 00:34:24,609
Center for Science education and we've

713
00:34:28,980 --> 00:34:27,070

come across a very interesting game I

714

00:34:31,889 --> 00:34:28,990

guess we've got all these cups little

715

00:34:34,649 --> 00:34:31,899

plastic cups full of insects let me tip

716

00:34:36,750 --> 00:34:34,659

some out here and they flies but they

717

00:34:38,040 --> 00:34:36,760

represent mosquitoes don't know what's

718

00:34:40,889 --> 00:34:38,050

the whole idea of this

719

00:34:42,840 --> 00:34:40,899

so basically we're showing the overall

720

00:34:44,760 --> 00:34:42,850

increase in mosquito populations

721

00:34:46,619 --> 00:34:44,770

throughout time but we're also trying to

722

00:34:49,649 --> 00:34:46,629

teach about the spread of West Nile and

723

00:34:52,379 --> 00:34:49,659

Zika virus Wow so as the climate change

724

00:34:54,270 --> 00:34:52,389

on earth we're seeing mosquitoes are

725

00:34:56,580 --> 00:34:54,280

infected with West Nile and Zika start

726

00:34:58,200 --> 00:34:56,590

moving into northern latitudes I'm just

727

00:35:00,930 --> 00:34:58,210

like move higher north so we're starting

728

00:35:03,180 --> 00:35:00,940

to see southern states have mosquitoes

729

00:35:06,090 --> 00:35:03,190

that already function Circle trying to

730

00:35:09,150 --> 00:35:06,100

show children the overall increase as

731

00:35:11,130 --> 00:35:09,160

well as just how climate can impact

732

00:35:12,780 --> 00:35:11,140

mosquito populations we also have

733

00:35:14,730 --> 00:35:12,790

another station where they can use key

734

00:35:17,070 --> 00:35:14,740

chains to learn different control

735

00:35:18,220 --> 00:35:17,080

strategies I know I read that look at

736

00:35:24,770 --> 00:35:18,230

that

737

00:35:26,990 --> 00:35:24,780

one easy simple solution to fixing like

738

00:35:29,540 --> 00:35:27,000

mosquitos and you know controlling their

739

00:35:31,730 --> 00:35:29,550

population so we're trying to have them

740

00:35:34,430 --> 00:35:31,740

use mortal beads to kind of come out

741

00:35:37,819 --> 00:35:34,440

like with a multifactorial solution for

742

00:35:39,349 --> 00:35:37,829

controlling Wow so the game here and I

743

00:35:41,390 --> 00:35:39,359

was watching some kids played just now

744

00:35:45,470 --> 00:35:41,400

we've got little devices here on the

745

00:35:48,829 --> 00:35:45,480

table tweezers and think so what's the

746

00:35:51,230 --> 00:35:48,839

idea so the game starts off fairly easy

747

00:35:53,329 --> 00:35:51,240

they have a small amount of mosquitoes

748

00:35:55,490 --> 00:35:53,339

to pick up and they have large paddles

749

00:35:57,589 --> 00:35:55,500

to pick them up but throughout time as

750

00:36:00,200 --> 00:35:57,599

we see more of the mosquitoes I carry

751
00:36:02,180 --> 00:36:00,210
like Zika and West Nile they have to use

752
00:36:03,740 --> 00:36:02,190
different tools to pick them up which

753
00:36:05,540 --> 00:36:03,750
makes the game a lot harder and there's

754
00:36:07,970 --> 00:36:05,550
also more of them to pick up in the same

755
00:36:09,980 --> 00:36:07,980
amount of time so each time that they

756
00:36:12,020 --> 00:36:09,990
have you pick them up they have about

757
00:36:13,190 --> 00:36:12,030
twenty seconds and not change it not

758
00:36:16,069 --> 00:36:13,200
change that's consistent throughout the

759
00:36:18,460 --> 00:36:16,079
game what changes is the complexity of

760
00:36:23,599 --> 00:36:18,470
they because we've got six cups here

761
00:36:27,710 --> 00:36:23,609
1975 1985 and so on right up until 2025

762
00:36:29,660 --> 00:36:27,720
yes emulate in the future if the climate

763
00:36:31,400 --> 00:36:29,670

is continuing the way it is now what we

764

00:36:34,460 --> 00:36:31,410

might expect to see those potato

765

00:36:36,260 --> 00:36:34,470

populations yeah it's really supposed to

766

00:36:38,420 --> 00:36:36,270

show them that it's the complex

767

00:36:42,200 --> 00:36:38,430

situation it becomes really hard to

768

00:36:43,309 --> 00:36:42,210

control but yeah I think starting simple

769

00:36:47,380 --> 00:36:43,319

and then having the increase in

770

00:36:52,339 --> 00:36:49,640

and I love the way it's turned into an

771

00:37:00,410 --> 00:36:52,349

interesting activity a young man here

772

00:37:06,870 --> 00:37:04,710

getting rid of mosquitoes the University

773

00:37:09,300 --> 00:37:06,880

of California Botanical Gardens at

774

00:37:11,910 --> 00:37:09,310

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

775

00:37:14,070 --> 00:37:11,920

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

776

00:37:16,980 --> 00:37:14,080

visiting Botanical Garden dottie

777

00:37:41,040 --> 00:37:16,990

berkeley.edu or following the link in

778

00:37:43,230 --> 00:37:41,050

this week's show notes Bharat Asuma pal

779

00:37:46,290 --> 00:37:43,240

Elizabeth faith year secret receiver

780

00:37:48,870 --> 00:37:46,300

cast metal shot du fromage avec la

781

00:37:51,960 --> 00:37:48,880

política Villeneuve enemy tape exploring

782

00:37:54,720 --> 00:37:51,970

even della metacognition pop quantum

783

00:37:57,030 --> 00:37:54,730

spin Afonso physio disease emissions

784

00:38:00,240 --> 00:37:57,040

from crayon only Moderne old

785

00:38:03,030 --> 00:38:00,250

Ottoman article male whiskers - Arabic

786

00:38:06,000 --> 00:38:03,040

Jessica sub-option Google universe Java

787

00:38:10,260 --> 00:38:06,010

new septic go to Venus relation YouTube

788

00:38:15,390 --> 00:38:10,270

the method of shock em ah they see ash

789

00:38:17,970 --> 00:38:15,400

oopsie a bientot metal shot hello

790

00:38:20,010 --> 00:38:17,980

everyone I'm Elizabeth fakey the creator

791

00:38:23,070 --> 00:38:20,020

of the french-speaking made that a shock

792

00:38:25,070 --> 00:38:23,080

podcast twice a month I host a new guest

793

00:38:29,160 --> 00:38:25,080

to explore the field of meta cognition

794

00:38:31,500 --> 00:38:29,170

why we think the way we think some shows

795

00:38:33,840 --> 00:38:31,510

are subtitled in English and actually

796

00:38:36,390 --> 00:38:33,850

the latest one is all in English an

797

00:38:39,650 --> 00:38:36,400

exclusive conversation with Jessica Cobb

798

00:38:42,720 --> 00:38:39,660

an ex New Age guru who turned skeptic

799

00:38:49,450 --> 00:38:42,730

join us on the method of Jacque YouTube

800

00:39:10,799 --> 00:39:05,050

[Music]

801
00:39:14,249 --> 00:39:13,919
now over the past few months the skeptic

802
00:39:17,009 --> 00:39:14,259
zone

803
00:39:19,049 --> 00:39:17,019
I have regularly been reading out

804
00:39:20,789 --> 00:39:19,059
stories and reports and articles and

805
00:39:22,979 --> 00:39:20,799
interviews from the pages of the skeptic

806
00:39:26,130 --> 00:39:22,989
made journal from Australian skeptics

807
00:39:28,349 --> 00:39:26,140
stretching back almost 40 years and it's

808
00:39:31,370 --> 00:39:28,359
as I like to say it gives you an a hint

809
00:39:33,959 --> 00:39:31,380
an indication a clue as to the wealth of

810
00:39:36,689 --> 00:39:33,969
material at your fingertips at skeptics

811
00:39:38,519 --> 00:39:36,699
calm today you today I thought I'd do

812
00:39:39,959 --> 00:39:38,529
something a little bit different now

813
00:39:42,089 --> 00:39:39,969

many Australians would be very familiar

814

00:39:44,669 --> 00:39:42,099

with the magazine the Australian Women's

815

00:39:46,979 --> 00:39:44,679

Weekly which has been there in

816

00:39:51,870 --> 00:39:46,989

publication for decades and decades and

817

00:39:54,209 --> 00:39:51,880

decades when I first started looking at

818

00:39:57,689 --> 00:39:54,219

it of course I was only a boy in the

819

00:39:59,489 --> 00:39:57,699

1970s and it's easy to forget what an

820

00:40:02,370 --> 00:39:59,499

important part of Australian culture the

821

00:40:05,009 --> 00:40:02,380

Australian Women's Weekly was probably

822

00:40:07,799 --> 00:40:05,019

still is to an extent certainly was in

823

00:40:09,659 --> 00:40:07,809

former years and they had many

824

00:40:12,449 --> 00:40:09,669

interesting articles and interviews lots

825

00:40:14,969 --> 00:40:12,459

of things that were aimed at their

826
00:40:17,099 --> 00:40:14,979
readership of course royal new

827
00:40:21,779 --> 00:40:17,109
celebrities what people are wearing

828
00:40:24,359 --> 00:40:21,789
fashion some astrology not much but I

829
00:40:26,729 --> 00:40:24,369
think many issues had an astrology

830
00:40:29,549 --> 00:40:26,739
column but they have an interesting

831
00:40:32,039 --> 00:40:29,559
selection over the decades on the

832
00:40:35,539 --> 00:40:32,049
paranormal now thanks to the National

833
00:40:39,959 --> 00:40:35,549
Library of Australia all the issues from

834
00:40:43,649 --> 00:40:39,969
1933 to 1982 are available online as

835
00:40:46,289 --> 00:40:43,659
PDFs searchable I'll have a link in the

836
00:40:48,179 --> 00:40:46,299
show notes of course so I did a search

837
00:40:50,130 --> 00:40:48,189
and I've come up with all sorts of

838
00:40:52,140 --> 00:40:50,140

goodies over the years from the pages of

839

00:40:55,979 --> 00:40:52,150

the Australian Woman's Weekly but I

840

00:40:58,769 --> 00:40:55,989

discovered and I remembered that in well

841

00:41:02,699 --> 00:40:58,779

the 1970s at least we didn't hear much

842

00:41:06,790 --> 00:41:02,709

about psychics you heard about ESP that

843

00:41:09,670 --> 00:41:06,800

was the popular phrase ESP

844

00:41:11,470 --> 00:41:09,680

so in front of me I have the page in

845

00:41:14,830 --> 00:41:11,480

question where you can do the search I

846

00:41:19,390 --> 00:41:14,840

type in e SP get the search button

847

00:41:20,890 --> 00:41:19,400

and many results are returned and I

848

00:41:23,170 --> 00:41:20,900

thought I would read to you an article

849

00:41:30,400 --> 00:41:23,180

from the Australian Women's Weekly this

850

00:41:37,960 --> 00:41:30,410

one is from the 6th of July 1977 the

851
00:41:44,140 --> 00:41:40,660
you're daydreaming about Aunt Emma when

852
00:41:46,240 --> 00:41:44,150
the phone rings it's Aunt Emma nearing

853
00:41:50,349 --> 00:41:46,250
home you think there's a letter for you

854
00:41:52,839 --> 00:41:50,359
you reached letter box it's there it's a

855
00:41:58,329 --> 00:41:52,849
weird and wonderful thing and it has

856
00:42:02,079 --> 00:41:58,339
scientists puzzled what is this strange

857
00:42:04,690 --> 00:42:02,089
thing called extra sensory perception it

858
00:42:05,230 --> 00:42:04,700
is happening all around you and all the

859
00:42:07,540 --> 00:42:05,240
time

860
00:42:09,760 --> 00:42:07,550
messages are being sent from one person

861
00:42:12,430 --> 00:42:09,770
to another without anything so obvious

862
00:42:14,650 --> 00:42:12,440
as a letter or phone call taking place

863
00:42:16,569 --> 00:42:14,660

friends who have been out of touch with

864

00:42:19,680 --> 00:42:16,579

one another are linking up again

865

00:42:23,109 --> 00:42:19,690

each somehow aware of a need to

866

00:42:25,720 --> 00:42:23,119

re-establish contact business people are

867

00:42:28,960 --> 00:42:25,730

making important decisions based as much

868

00:42:32,230 --> 00:42:28,970

on a gut feeling that what they are

869

00:42:34,780 --> 00:42:32,240

doing is right as on reams of documented

870

00:42:37,390 --> 00:42:34,790

information and thousands of others are

871

00:42:39,460 --> 00:42:37,400

having the sensation that whatever they

872

00:42:42,400 --> 00:42:39,470

are doing they have done before in

873

00:42:45,849 --> 00:42:42,410

exactly the same way the condition is

874

00:42:48,400 --> 00:42:45,859

sometimes known as deja vu already seen

875

00:42:50,410 --> 00:42:48,410

if you are tuned into yourself you will

876

00:42:53,470 --> 00:42:50,420

guess that all these incidents are

877

00:42:56,140 --> 00:42:53,480

perhaps part of the whole vibrating

878

00:43:00,540 --> 00:42:56,150

pulsating and often misunderstood thing

879

00:43:03,579 --> 00:43:00,550

known as ESP that is very hard to define

880

00:43:06,250 --> 00:43:03,589

according to one academic those people

881

00:43:08,319 --> 00:43:06,260

who have genuine ESP are supposed to

882

00:43:12,940 --> 00:43:08,329

have communication without the use of

883

00:43:16,300 --> 00:43:12,950

the usual senses but ESP can also mean

884

00:43:19,859 --> 00:43:16,310

heightened sensitivity of a person's

885

00:43:23,430 --> 00:43:19,869

senses that can include clairvoyance

886

00:43:26,280 --> 00:43:23,440

seeing mental pictures clairaudience

887

00:43:29,980 --> 00:43:26,290

hearing inaudible sounds and

888

00:43:32,920 --> 00:43:29,990

clairsentience sensing things or people

889

00:43:35,550 --> 00:43:32,930

nearby there is nothing new about any of

890

00:43:37,950 --> 00:43:35,560

it human beings have always had

891

00:43:40,270 --> 00:43:37,960

intuitions funny feelings and

892

00:43:43,990 --> 00:43:40,280

coincidental happenings in their lives

893

00:43:46,980 --> 00:43:44,000

but ESP apparently goes beyond the realm

894

00:43:50,140 --> 00:43:46,990

of coincidence into an area of personal

895

00:43:51,820 --> 00:43:50,150

experiences and telepathic phenomena

896

00:43:54,030 --> 00:43:51,830

that have led some of the

897

00:43:57,940 --> 00:43:54,040

world's top scientists to become very

898

00:44:01,030 --> 00:43:57,950

interested the reaction to PSP is like

899

00:44:03,220 --> 00:44:01,040

that to God you say you believe you say

900

00:44:04,630 --> 00:44:03,230

you don't believe but few who have

901
00:44:08,560 --> 00:44:04,640
looked into it will say categorically

902
00:44:11,350 --> 00:44:08,570
that ESP doesn't exist Rome Warren

903
00:44:14,440 --> 00:44:11,360
believes this Sydney woman who is the

904
00:44:16,660 --> 00:44:14,450
principle of the loosely structured no

905
00:44:20,020 --> 00:44:16,670
building just a Pio box number and

906
00:44:22,960 --> 00:44:20,030
occasional seminars Academy for psychic

907
00:44:24,430 --> 00:44:22,970
research and creative development says

908
00:44:26,460 --> 00:44:24,440
that she has been having psychic

909
00:44:29,080 --> 00:44:26,470
experiences ever since she was a child

910
00:44:31,360 --> 00:44:29,090
for many years I didn't mention anything

911
00:44:33,670 --> 00:44:31,370
about it or think much of it because

912
00:44:36,400 --> 00:44:33,680
looking back it just seems so much an

913
00:44:39,160 --> 00:44:36,410

ordinary everyday part of my life she

914

00:44:41,950 --> 00:44:39,170

says but I have vivid recollections of

915

00:44:44,440 --> 00:44:41,960

astral travelling and one time of coming

916

00:44:46,690 --> 00:44:44,450

home over rooftops and getting so low

917

00:44:50,650 --> 00:44:46,700

that I almost got tangled up in some

918

00:44:52,840 --> 00:44:50,660

tramway lines I didn't do any astral

919

00:44:55,480 --> 00:44:52,850

traveling for a while after that I was

920

00:44:58,990 --> 00:44:55,490

so scared she let out a big laugh her

921

00:45:02,410 --> 00:44:59,000

attitude towards ESP and her other super

922

00:45:05,080 --> 00:45:02,420

sensitivity is serious but lightened by

923

00:45:08,200 --> 00:45:05,090

a humor and an ability to take this

924

00:45:11,080 --> 00:45:08,210

spookiness out of the matter although in

925

00:45:14,230 --> 00:45:11,090

her flowing caftan with her fingers

926
00:45:17,880 --> 00:45:14,240
covered in intricate metal rings and her

927
00:45:22,180 --> 00:45:17,890
piercing gaze miss Warren does look well

928
00:45:24,490 --> 00:45:22,190
different Rome Warren is very concerned

929
00:45:26,920 --> 00:45:24,500
about the way many people turn to

930
00:45:29,230 --> 00:45:26,930
clairvoyance for help in their personal

931
00:45:32,350 --> 00:45:29,240
lives and she is quick to counsel them

932
00:45:35,440 --> 00:45:32,360
against doing so if they aren't sure of

933
00:45:38,110 --> 00:45:35,450
the clairvoyance bonafide ease there are

934
00:45:40,690 --> 00:45:38,120
a lot of so-called clairvoyance who

935
00:45:43,330 --> 00:45:40,700
charge excessive fees and tell people

936
00:45:46,270 --> 00:45:43,340
absolutely dreadful things she says I

937
00:45:48,730 --> 00:45:46,280
had a phone call once from a woman in

938
00:45:51,070 --> 00:45:48,740

hysterics who had been told that her

939

00:45:54,430 --> 00:45:51,080

husband did a lot of astral traveling

940

00:45:57,310 --> 00:45:54,440

and when he did it wasn't with her that

941

00:46:00,190 --> 00:45:57,320

sort of thing there is an enormous

942

00:46:01,660 --> 00:46:00,200

amount of irresponsibility among people

943

00:46:03,550 --> 00:46:01,670

who work in the field

944

00:46:05,470 --> 00:46:03,560

despite the superstition that you lose

945

00:46:05,690 --> 00:46:05,480

your powers of clairvoyance if you take

946

00:46:08,120 --> 00:46:05,700

it

947

00:46:10,670 --> 00:46:08,130

manage of people miss Warren also warns

948

00:46:13,130 --> 00:46:10,680

those who fall into the pattern of using

949

00:46:15,440 --> 00:46:13,140

their clairvoyant as a crutch in life

950

00:46:18,050 --> 00:46:15,450

they are looking for a miracle outside

951
00:46:19,460 --> 00:46:18,060
of themselves but what they must know is

952
00:46:22,220 --> 00:46:19,470
that the only change in their

953
00:46:24,830 --> 00:46:22,230
circumstances will come from change in

954
00:46:27,380 --> 00:46:24,840
their own attitude the full range of ESP

955
00:46:30,770 --> 00:46:27,390
is enormous and its implications are

956
00:46:32,990 --> 00:46:30,780
fascinating and/or frightening miss

957
00:46:36,020 --> 00:46:33,000
Warren feels physical suffering can be

958
00:46:39,080 --> 00:46:36,030
helped by mental attitudes if you have

959
00:46:41,330 --> 00:46:39,090
an emotion nor in a way do you get an

960
00:46:43,340 --> 00:46:41,340
ulcer if you change your attitude to the

961
00:46:45,590 --> 00:46:43,350
circumstances you are heading in the

962
00:46:48,860 --> 00:46:45,600
right direction to help your ulcer she

963
00:46:51,410 --> 00:46:48,870

says basically Miss Warren says ESP is

964

00:46:54,620 --> 00:46:51,420

something we all have in greater or

965

00:46:57,440 --> 00:46:54,630

smaller amounts something we can use to

966

00:47:00,440 --> 00:46:57,450

improve or at least keep in control

967

00:47:02,600 --> 00:47:00,450

different aspects of our lives it can

968

00:47:04,550 --> 00:47:02,610

give people a better knowledge of self

969

00:47:07,190 --> 00:47:04,560

and show them how to get through the

970

00:47:09,380 --> 00:47:07,200

blind spots in their lives the

971

00:47:12,160 --> 00:47:09,390

scientific research being done in

972

00:47:14,930 --> 00:47:12,170

Australia is small but most of the

973

00:47:17,000 --> 00:47:14,940

university professors who are interested

974

00:47:19,730 --> 00:47:17,010

in it will not talk to reporters for

975

00:47:22,820 --> 00:47:19,740

fear of being misquoted or misunderstood

976

00:47:26,090 --> 00:47:22,830

at the University of New England at

977

00:47:29,630 --> 00:47:26,100

Armidale and the University of Tasmania

978

00:47:33,230 --> 00:47:29,640

the department's of psychology offer

979

00:47:35,930 --> 00:47:33,240

courses in parapsychology dr. Tiki Lee

980

00:47:38,540 --> 00:47:35,940

who teaches the course at the University

981

00:47:41,630 --> 00:47:38,550

of Tasmania says one main problem for

982

00:47:44,630 --> 00:47:41,640

laymen interested in ESP and the larger

983

00:47:48,020 --> 00:47:44,640

area of parapsychology is sorting the

984

00:47:50,450 --> 00:47:48,030

rubbish from the truth he like ms Warren

985

00:47:54,170 --> 00:47:50,460

is concerned about the growing number of

986

00:47:56,780 --> 00:47:54,180

groups and individuals who pretend to

987

00:47:59,540 --> 00:47:56,790

offer ESP based solutions to the

988

00:48:01,970 --> 00:47:59,550

emotionally troubled and he is not one

989

00:48:05,180 --> 00:48:01,980

to encourage the idea that every human

990

00:48:06,860 --> 00:48:05,190

is equipped with ESP you can't really

991

00:48:10,310 --> 00:48:06,870

say that with certainty

992

00:48:12,950 --> 00:48:10,320

dr. Keely cautions you sometimes have

993

00:48:16,010 --> 00:48:12,960

certain ability in this area that seems

994

00:48:18,500 --> 00:48:16,020

to be hereditary and ESP seems to run in

995

00:48:20,900 --> 00:48:18,510

families but it is very difficult

996

00:48:23,750 --> 00:48:20,910

to know if there is any real genetic

997

00:48:26,480 --> 00:48:23,760

disposition the British author Arthur

998

00:48:29,450 --> 00:48:26,490

Koestler who has one of the boldest

999

00:48:31,670 --> 00:48:29,460

minds in our age has explored the

1000

00:48:34,730 --> 00:48:31,680

scientific work on ESP type phenomena

1001

00:48:37,610 --> 00:48:34,740

around the world in his book the roots

1002

00:48:41,120 --> 00:48:37,620

of coincidence Koestler quotes the words

1003

00:48:45,320 --> 00:48:41,130

written in 1960 by the respected British

1004

00:48:48,260 --> 00:48:45,330

psychologist professor HJ Isaac unless

1005

00:48:50,510 --> 00:48:48,270

there is a gigantic conspiracy involving

1006

00:48:53,630 --> 00:48:50,520

some 30 University departments all over

1007

00:48:56,090 --> 00:48:53,640

the world and several hundred highly

1008

00:48:59,030 --> 00:48:56,100

respected scientists in various fields

1009

00:49:01,490 --> 00:48:59,040

the only conclusion the unbiased

1010

00:49:04,660 --> 00:49:01,500

observer can come to must be that there

1011

00:49:07,400 --> 00:49:04,670

does exist a small number of people who

1012

00:49:10,670 --> 00:49:07,410

obtain knowledge existing either in

1013

00:49:14,000 --> 00:49:10,680

other people's minds or in the outer

1014

00:49:18,710 --> 00:49:14,010

world by means as yet unknown to science

1015

00:49:21,650 --> 00:49:18,720

have you got ASP try this quiz the

1016

00:49:24,770 --> 00:49:21,660

letters ESP stand for extra sensory

1017

00:49:27,860 --> 00:49:24,780

perception more appropriate would be the

1018

00:49:29,870 --> 00:49:27,870

term extended sensory perception because

1019

00:49:32,510 --> 00:49:29,880

rather than a sixth sense there seems to

1020

00:49:35,990 --> 00:49:32,520

be a heightened sensitivity in the areas

1021

00:49:39,080 --> 00:49:36,000

of seeing hearing and feeling have I got

1022

00:49:43,010 --> 00:49:39,090

a ESP this question is frequently asked

1023

00:49:45,380 --> 00:49:43,020

and the simple answer is yes ESP is

1024

00:49:48,050 --> 00:49:45,390

awareness and the individual who is

1025

00:49:51,290 --> 00:49:48,060

aware enough to ask the question is

1026

00:49:54,860 --> 00:49:51,300

aware enough to have ESP the psychic or

1027

00:49:57,980 --> 00:49:54,870

sensitive person is someone who has an

1028

00:50:00,290 --> 00:49:57,990

awareness which is beyond average the

1029

00:50:03,920 --> 00:50:00,300

probing of science uncovers areas which

1030

00:50:08,300 --> 00:50:03,930

are totally incomprehensible by normal

1031

00:50:11,270 --> 00:50:08,310

standards this then is ASB and it exists

1032

00:50:14,300 --> 00:50:11,280

to some degree in you and in every

1033

00:50:17,380 --> 00:50:14,310

person you know Rome Warren has devised

1034

00:50:20,390 --> 00:50:17,390

this quiz to help you gauge your

1035

00:50:22,490 --> 00:50:20,400

sensitivity try it and make some

1036

00:50:24,440 --> 00:50:22,500

discoveries in the exploration of

1037

00:50:28,340 --> 00:50:24,450

yourself

1038

00:50:33,170 --> 00:50:28,350

how to score one point if you answer

1039

00:50:37,640 --> 00:50:33,180

once three points for occasionally five

1040

00:50:42,860 --> 00:50:37,650

points for often and zero if your answer

1041

00:50:45,100 --> 00:50:42,870

is never question have you ever known in

1042

00:50:48,590 --> 00:50:45,110

advance that the phone will ring

1043

00:50:50,950 --> 00:50:48,600

question have you known who is on the

1044

00:50:53,780 --> 00:50:50,960

phone before hearing the speaker

1045

00:50:57,140 --> 00:50:53,790

question have you known the postman is

1046

00:51:00,160 --> 00:50:57,150

bringing you a letter question have you

1047

00:51:04,400 --> 00:51:00,170

known the size / color of the envelope

1048

00:51:08,300 --> 00:51:04,410

question have you sensed someone staring

1049

00:51:11,480 --> 00:51:08,310

at you and found it to be so question

1050

00:51:16,250 --> 00:51:11,490

have you thought of someone just before

1051
00:51:21,260 --> 00:51:16,260
an unexpected meeting question do you

1052
00:51:22,910 --> 00:51:21,270
ever have distinct hunches question do

1053
00:51:27,440 --> 00:51:22,920
you have more success from acting on

1054
00:51:30,170 --> 00:51:27,450
intuition than intellect question have

1055
00:51:33,050 --> 00:51:30,180
you ever had intuitive absolute

1056
00:51:35,330 --> 00:51:33,060
knowledge or conviction question have

1057
00:51:39,290 --> 00:51:35,340
you ever known about an event before it

1058
00:51:43,990 --> 00:51:39,300
occurred question do you sometimes like

1059
00:51:46,760 --> 00:51:44,000
/ dislike / love / hate at first sight

1060
00:51:50,030 --> 00:51:46,770
question do you know in advance what

1061
00:51:53,180 --> 00:51:50,040
someone is about to say question are you

1062
00:51:56,630 --> 00:51:53,190
affected happily / unhappily by certain

1063
00:52:02,450 --> 00:51:56,640

places question do you have a sense of

1064

00:52:04,850 --> 00:52:02,460

danger before apparent danger exists if

1065

00:52:09,800 --> 00:52:04,860

you scored at least three points you

1066

00:52:13,250 --> 00:52:09,810

have slight ESP four to six points you

1067

00:52:16,460 --> 00:52:13,260

are reasonably aware seven to ten points

1068

00:52:20,690 --> 00:52:16,470

your intuition is good more than ten

1069

00:52:20,700 --> 00:52:24,040

[Music]

1070

00:52:30,970 --> 00:52:28,420

and that was ESP cents or nonsense by

1071

00:52:35,020 --> 00:52:30,980

Patricia Angley and that was published

1072

00:52:39,850 --> 00:52:35,030

way back in 1977 in the Australian

1073

00:52:42,520 --> 00:52:39,860

Women's Weekly from July the 6th so that

1074

00:52:46,960 --> 00:52:42,530

was in the magazines the popular

1075

00:52:49,840 --> 00:52:46,970

magazines 42 years ago and there are

1076
00:52:52,120 --> 00:52:49,850
many more articles and reports going

1077
00:52:54,070 --> 00:52:52,130
back through the decades of Australian

1078
00:52:56,680 --> 00:52:54,080
Women's Weekly pertaining to skeptical

1079
00:52:59,380 --> 00:52:56,690
matters uri geller gets quite a mention

1080
00:53:01,930 --> 00:52:59,390
but I'll let you discover all those for

1081
00:53:03,850 --> 00:53:01,940
yourselves by following the link in this

1082
00:53:17,900 --> 00:53:03,860
week's show notes

1083
00:53:24,150 --> 00:53:21,299
hi this is dr. Pamela gay from astronomy

1084
00:53:26,069 --> 00:53:24,160
cast each week Fraser Cain and I take

1085
00:53:28,260 --> 00:53:26,079
our listeners on a fact-based journey

1086
00:53:31,019 --> 00:53:28,270
through the cosmos with our weekly

1087
00:53:33,809 --> 00:53:31,029
podcast we explain not just what we know

1088
00:53:36,630 --> 00:53:33,819

but how we know what we know about this

1089

00:53:39,120 --> 00:53:36,640

universe that we share check us out at

1090

00:53:41,519 --> 00:53:39,130

astronomy cast calm and look for us in

1091

00:53:44,880 --> 00:53:41,529

itunes google play and wherever you

1092

00:54:00,040 --> 00:53:44,890

download podcasts see online

1093

00:54:04,490 --> 00:54:02,360

thank you for listening to the skeptic

1094

00:54:07,690 --> 00:54:04,500

zone this week a couple of notes from me

1095

00:54:10,820 --> 00:54:07,700

at the end here my friend Rob Palmer

1096

00:54:13,910 --> 00:54:10,830

writing for skeptical Inquirer under the

1097

00:54:17,390 --> 00:54:13,920

moniker the well-known skeptic has

1098

00:54:20,270 --> 00:54:17,400

interviewed John de Lancie the famous

1099

00:54:23,180 --> 00:54:20,280

actor known from such things as Star

1100

00:54:26,390 --> 00:54:23,190

Trek and he will be appearing at Psych

1101

00:54:28,280 --> 00:54:26,400

on this year in Las Vegas and oh that

1102

00:54:29,660 --> 00:54:28,290

would be so good to visit that I don't

1103

00:54:32,120 --> 00:54:29,670

think I can wangle it this year however

1104

00:54:32,510 --> 00:54:32,130

you can read an interview with John de

1105

00:54:35,900 --> 00:54:32,520

Lancie

1106

00:54:38,570 --> 00:54:35,910

at skeptical inquirer org and I'll put a

1107

00:54:41,600 --> 00:54:38,580

link in this week's show notes quite an

1108

00:54:45,140 --> 00:54:41,610

accomplished man he also did a series of

1109

00:54:47,870 --> 00:54:45,150

radio plays with Leonard Nimoy some

1110

00:54:51,290 --> 00:54:47,880

years ago called alien voices that's

1111

00:54:53,210 --> 00:54:51,300

worth checking out they did some HT

1112

00:54:56,060 --> 00:54:53,220

Welles material and they did something

1113

00:54:59,420 --> 00:54:56,070

called Spock vs. Q which I'm sure all

1114

00:55:01,940 --> 00:54:59,430

Star Trek fans know about now if you're

1115

00:55:04,640 --> 00:55:01,950

in Canberra in the acct in August on

1116

00:55:07,150 --> 00:55:04,650

Tuesday the 13th of August you can see a

1117

00:55:09,560 --> 00:55:07,160

presentation by our very own trish han

1118

00:55:11,300 --> 00:55:09,570

who does a segment here on the skeptic

1119

00:55:13,760 --> 00:55:11,310

zone from time to time called trish and

1120

00:55:17,030 --> 00:55:13,770

chips trish will be talking about

1121

00:55:19,700 --> 00:55:17,040

women's whoo pseudoscience and women's

1122

00:55:22,100 --> 00:55:19,710

health now Trish gave a wonderful

1123

00:55:24,740 --> 00:55:22,110

presentation at last year's Australian

1124

00:55:27,050 --> 00:55:24,750

skeptics convention in Sydney I'll add a

1125

00:55:30,710 --> 00:55:27,060

link in the show notes but this will be

1126
00:55:33,350 --> 00:55:30,720
at the law lecture theatre law building

1127
00:55:37,010 --> 00:55:33,360
number 5 at the Australian University

1128
00:55:41,030 --> 00:55:37,020
and the cost is free this talk is a tour

1129
00:55:42,500 --> 00:55:41,040
through the world of women's whoo we

1130
00:55:44,750 --> 00:55:42,510
heard earlier about the woman's weekly

1131
00:55:46,790 --> 00:55:44,760
this is woman's whoo there's probably

1132
00:55:49,520 --> 00:55:46,800
more of it than you realize and it's

1133
00:55:51,680 --> 00:55:49,530
often weirder than you expect there are

1134
00:55:54,320 --> 00:55:51,690
the obvious ones which are skewered

1135
00:55:56,480 --> 00:55:54,330
towards women but technically gender

1136
00:56:00,470 --> 00:55:56,490
neutral such as essential oils

1137
00:56:02,930 --> 00:56:00,480
naturopathy psychics mediums etc which

1138
00:56:05,810 --> 00:56:02,940

generally have more female customers

1139

00:56:08,420 --> 00:56:05,820

than male but not necessarily by design

1140

00:56:10,250 --> 00:56:08,430

in this talk you'll hear about nonsense

1141

00:56:12,860 --> 00:56:10,260

therapies and treatments that

1142

00:56:15,440 --> 00:56:12,870

we'll have not heard about and probably

1143

00:56:17,870 --> 00:56:15,450

a fair few women will learn something

1144

00:56:20,360 --> 00:56:17,880

too something to put in your diary if

1145

00:56:23,060 --> 00:56:20,370

you're in the AC T that's coming up on

1146

00:56:25,130 --> 00:56:23,070

Tuesday the 13th of August Lincoln this

1147

00:56:28,130 --> 00:56:25,140

week's show notes I'm looking forward

1148

00:56:31,310 --> 00:56:28,140

very much to seeing people at DragonCon

1149

00:56:34,970 --> 00:56:31,320

this year in Atlanta Georgia I haven't

1150

00:56:38,420 --> 00:56:34,980

been there for almost 10 years and I've

1151
00:56:41,780 --> 00:56:38,430
been told by Pamela gay as it turns out

1152
00:56:42,860 --> 00:56:41,790
that it's massively increased from 10

1153
00:56:44,690 --> 00:56:42,870
years ago which is hard to believe

1154
00:56:46,760 --> 00:56:44,700
because when I was there 10 years ago it

1155
00:56:49,070 --> 00:56:46,770
was ridiculously big anyway I'll be

1156
00:56:51,200 --> 00:56:49,080
giving a series of talks including one

1157
00:56:53,360 --> 00:56:51,210
about psychic detectives and other

1158
00:56:56,210 --> 00:56:53,370
skeptical goodies I hope to take part in

1159
00:56:58,940 --> 00:56:56,220
the the Silk Road where I'll be

1160
00:57:00,440 --> 00:56:58,950
demonstrating origami and also of course

1161
00:57:03,410 --> 00:57:00,450
I'll be doing interviews for the

1162
00:57:05,630 --> 00:57:03,420
skeptics own podcast look forward to

1163
00:57:08,080 --> 00:57:05,640

seeing you there if you can make it next

1164

00:57:11,780 --> 00:57:08,090

week's show we'll be coming to you from

1165

00:57:14,060 --> 00:57:11,790

Albuquerque New Mexico I'll be visiting

1166

00:57:16,040 --> 00:57:14,070

my good friend Ben Radford I wonder what

1167

00:57:19,790 --> 00:57:16,050

we'll get up - I wonder what mysteries

1168

00:57:21,350 --> 00:57:19,800

we can delve into in New Mexico but

1169

00:57:23,840 --> 00:57:21,360

undal then this is Richard Saunders

1170

00:57:30,350 --> 00:57:23,850

signing off from the Bay Area San

1171

00:57:33,050 --> 00:57:30,360

Francisco you've been listening to the

1172

00:57:37,370 --> 00:57:33,060

skeptic zone podcast please visit our

1173

00:57:40,430 --> 00:57:37,380

website at WWF Tech's on TV for show

1174

00:57:43,930 --> 00:57:40,440

notes contacts and to access the bat

1175

00:57:46,610 --> 00:57:43,940

catalog of episodes going back to 2008

1176

00:57:49,880 --> 00:57:46,620

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1177

00:57:52,160 --> 00:57:49,890

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1178

00:57:55,550 --> 00:57:52,170

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1179

00:57:58,910 --> 00:57:55,560

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1180

00:58:01,280 --> 00:57:58,920

zone via patreon or PayPal the skeptic

1181

00:58:03,230 --> 00:58:01,290

zone podcast is an independent

1182

00:58:05,420 --> 00:58:03,240

production reviews and opinions

1183

00:58:07,580 --> 00:58:05,430

expressed on the skeptic zone are not

1184

00:58:10,540 --> 00:58:07,590

necessarily those of Australian skeptics