

1
00:00:06,139 --> 00:00:13,689
welcome to the skeptic zone the podcast

2
00:00:09,109 --> 00:00:13,689
from Australia for science and reason

3
00:00:18,070 --> 00:00:20,100
Oh

4
00:00:23,239 --> 00:00:28,049
hello and welcome to the skeptic zone

5
00:00:26,070 --> 00:00:31,278
for the eighth of March 2015 Richard

6
00:00:28,050 --> 00:00:34,140
Saunders here this is episode number 333

7
00:00:31,278 --> 00:00:36,689
that's halfway to the Devils house may

8
00:00:34,140 --> 00:00:38,308
not hello may not how are you it's great

9
00:00:36,689 --> 00:00:40,500
to be here I'm just here having a drink

10
00:00:38,308 --> 00:00:42,209
waiting for Erich von Daniken to come on

11
00:00:40,500 --> 00:00:43,679
the telly and next time you coming over

12
00:00:42,210 --> 00:00:44,878
filming me don't try to do that while

13
00:00:43,679 --> 00:00:47,519
I'm watching my favorite aliens

14
00:00:44,878 --> 00:00:49,769
documentary yes of those people who are

15
00:00:47,520 --> 00:00:52,199
the little clip we put up on the skeptic

16
00:00:49,770 --> 00:00:54,359
zones Facebook side it's a little clip

17
00:00:52,198 --> 00:00:57,059
of Maynard and I watching ancient aliens

18
00:00:54,359 --> 00:00:58,350
or some such show yeah he interrupted me

19
00:00:57,060 --> 00:01:00,960
I was getting very scared I was hiding

20
00:00:58,350 --> 00:01:02,579
behind a big thick medical book the

21
00:01:00,960 --> 00:01:04,320
things you see on the skeptic zones and

22
00:01:02,579 --> 00:01:05,759
the thing you hear the things you hear

23
00:01:04,319 --> 00:01:08,579
on the skipper zone coming up this week

24
00:01:05,759 --> 00:01:12,299
we have an interview with a guy from

25
00:01:08,579 --> 00:01:13,829
Moscow Kiril Alvaro from the Moscow

26
00:01:12,299 --> 00:01:16,978
skeptics he's going to be talking about

27
00:01:13,829 --> 00:01:19,019
a test he did his group did on Barnum

28
00:01:16,978 --> 00:01:21,390
statements and testing psychics and

29

00:01:19,019 --> 00:01:24,359
paranormal things in general have you

30
00:01:21,390 --> 00:01:26,310
ever been to Russia Moscow may not know

31
00:01:24,359 --> 00:01:28,590
I'm not allowed there for reasons

32
00:01:26,310 --> 00:01:31,170
basically due to the cold war I used to

33
00:01:28,590 --> 00:01:32,490
I was a u2 pilot we could go into all

34
00:01:31,170 --> 00:01:34,739
that stuff but I won't really it's

35
00:01:32,489 --> 00:01:36,329
basically like flying a large glider

36
00:01:34,739 --> 00:01:38,549
with an engine that's all you need to

37
00:01:36,329 --> 00:01:40,140
know about fly me you too and I even

38
00:01:38,549 --> 00:01:42,030
land it with my eyes shut I sure they

39
00:01:40,140 --> 00:01:43,799
have guys driving cars either side of it

40
00:01:42,030 --> 00:01:46,739
like I can land of you too with my eyes

41
00:01:43,799 --> 00:01:48,599
shut I believe you may not and thousands

42
00:01:46,739 --> 00:01:50,039
wouldn't but I believe you after that

43
00:01:48,599 --> 00:01:52,618

it's a week in science from the Royal

44

00:01:50,039 --> 00:01:55,319

Institution of Australia and then we

45

00:01:52,618 --> 00:01:57,239

head to skeptics in the pub to test they

46

00:01:55,319 --> 00:02:00,599

informally and with a lot of fun the

47

00:01:57,239 --> 00:02:02,549

premium wine card ah yes that's right

48

00:02:00,599 --> 00:02:04,409

just how many drinks does it take for a

49

00:02:02,549 --> 00:02:08,310

skeptic to go from a premium to a

50

00:02:04,409 --> 00:02:09,780

standard that's right it took a few as

51

00:02:08,310 --> 00:02:13,409

it turns out but you'll hear all about

52

00:02:09,780 --> 00:02:14,430

that a bit later on in the show and we

53

00:02:13,409 --> 00:02:15,539

just happen to be wet we just haven't

54

00:02:14,430 --> 00:02:17,670

watching television and the word

55

00:02:15,539 --> 00:02:20,129

drunkenness just came up on the screen

56

00:02:17,669 --> 00:02:22,649

with some photos it did it did I look

57

00:02:20,129 --> 00:02:24,840

it's amazing that's just crazy yes

58
00:02:22,650 --> 00:02:26,310
indeed and what else we got we've got a

59
00:02:24,840 --> 00:02:29,090
week in science from those two heavy

60
00:02:26,310 --> 00:02:30,319
drinkers in South Australia that's right

61
00:02:29,090 --> 00:02:32,569
that's about it for this week so we've

62
00:02:30,318 --> 00:02:35,659
got those three segments coming up and

63
00:02:32,568 --> 00:02:37,219
what may not it's nice to come back to

64
00:02:35,659 --> 00:02:38,719
your place every now and then and gaze

65
00:02:37,219 --> 00:02:42,109
upon your wall because there's a picture

66
00:02:38,719 --> 00:02:44,780
up there of you on the the set of the

67
00:02:42,110 --> 00:02:46,580
enterprise as Captain Kirk or captain me

68
00:02:44,780 --> 00:02:48,769
neither I'm sitting in the captain's

69
00:02:46,580 --> 00:02:50,420
chair but the main reason which it likes

70
00:02:48,769 --> 00:02:52,819
coming is because he likes looking at my

71
00:02:50,419 --> 00:02:55,488
Bananarama poster isn't that how it is

72
00:02:52,818 --> 00:02:57,500
may noted and then of course well we're

73
00:02:55,489 --> 00:02:58,759
just saying on the show last week we

74
00:02:57,500 --> 00:03:00,769
were mentioning the fact that linen

75
00:02:58,759 --> 00:03:02,328
Nimoy passed away so it's good to come

76
00:03:00,769 --> 00:03:04,010
here and see a little bit of star trek

77
00:03:02,329 --> 00:03:05,659
around the place as well whenever people

78
00:03:04,009 --> 00:03:07,489
come to my place main are they say

79
00:03:05,659 --> 00:03:11,359
Maynard you're just a little bit of

80
00:03:07,489 --> 00:03:13,400
Shatner but he do thank you well we

81
00:03:11,360 --> 00:03:15,019
better get on with the show Maynard so

82
00:03:13,400 --> 00:03:16,939
while everybody's enjoying the show what

83
00:03:15,019 --> 00:03:20,140
should we run away and eat you should

84
00:03:16,939 --> 00:03:23,209
donate some halloumi that's pronounced

85
00:03:20,139 --> 00:03:26,479
halloumi well I may not and I run away

86

00:03:23,209 --> 00:03:31,569
and eat some how do me I hello we hope

87
00:03:26,479 --> 00:03:31,568
you enjoy the skeptic zone hello

88
00:03:51,050 --> 00:03:57,330
and now my friends I'm very happy to be

89
00:03:53,939 --> 00:03:59,909
on the line all the way to Moscow in

90
00:03:57,330 --> 00:04:01,920
Russia with somebody you know so well

91
00:03:59,909 --> 00:04:04,169
because you hear the air little

92
00:04:01,919 --> 00:04:09,299
promotion on the skeptic zone it's kill

93
00:04:04,169 --> 00:04:11,699
Alvaro from Russia hello hey what's up

94
00:04:09,300 --> 00:04:14,100
Richard hey you know what it was really

95
00:04:11,699 --> 00:04:18,089
great to meet you last year the amazing

96
00:04:14,099 --> 00:04:19,920
meeting oh yeah absolutely absolutely I

97
00:04:18,089 --> 00:04:22,469
was also very happy to meet everybody

98
00:04:19,920 --> 00:04:23,730
and makes you and I remember you and I

99
00:04:22,470 --> 00:04:27,470
were actually sitting at one of the

100
00:04:23,730 --> 00:04:30,930

tables doing stuff doing our blogs if so

101

00:04:27,470 --> 00:04:33,660

it was very uniting like here are the

102

00:04:30,930 --> 00:04:36,030

actual skeptical activists come to town

103

00:04:33,660 --> 00:04:39,030

and then they're sitting at and you know

104

00:04:36,029 --> 00:04:41,129

working on their blogs it was wow i

105

00:04:39,029 --> 00:04:43,169

think i think you're right i think i was

106

00:04:41,129 --> 00:04:44,850

trying to update something probably on

107

00:04:43,170 --> 00:04:46,770

the skeptic zone and you were working on

108

00:04:44,850 --> 00:04:49,470

something side by side on our laptops

109

00:04:46,769 --> 00:04:51,779

and you're absolutely right it was and

110

00:04:49,470 --> 00:04:53,520

it goes to demonstrate that this is what

111

00:04:51,779 --> 00:04:55,859

we actually do even if we're at a

112

00:04:53,519 --> 00:04:58,859

convention we have to stop and keep

113

00:04:55,860 --> 00:05:01,050

doing this sort of thing yeah yeah

114

00:04:58,860 --> 00:05:03,180

exactly actually I thought I think we

115
00:05:01,050 --> 00:05:05,939
spoke like a year ago I think about

116
00:05:03,180 --> 00:05:09,379
daytime yeah how does my voice sound

117
00:05:05,939 --> 00:05:12,000
I've actually I had a cold last week and

118
00:05:09,379 --> 00:05:14,639
when you have a cold usually your voice

119
00:05:12,000 --> 00:05:17,459
becomes lower and in general my voice

120
00:05:14,639 --> 00:05:19,019
becomes deeper with time and it has got

121
00:05:17,459 --> 00:05:23,099
something to do with my skeptical

122
00:05:19,019 --> 00:05:25,740
activism so I'll explain so here's what

123
00:05:23,100 --> 00:05:27,900
happens you know you have you know that

124
00:05:25,740 --> 00:05:30,500
each country has their own like

125
00:05:27,899 --> 00:05:33,239
pseudo-scientific channels yeah that air

126
00:05:30,500 --> 00:05:35,250
pseudo-scientific documentaries okay and

127
00:05:33,240 --> 00:05:37,050
the nerve the narrator of those

128
00:05:35,250 --> 00:05:39,329
documentaries will very often have a

129
00:05:37,050 --> 00:05:42,090
very deep voice and they will say

130
00:05:39,329 --> 00:05:44,399
something like and then mr. Smith saw

131
00:05:42,089 --> 00:05:46,379
some lights he'll sure that this is

132
00:05:44,399 --> 00:05:48,389
actually a saucer

133
00:05:46,379 --> 00:05:49,439
he didn't have oh no no and that they

134
00:05:48,389 --> 00:05:51,419
would say something like this like and

135
00:05:49,439 --> 00:05:53,399
then he made it he made a very good

136
00:05:51,420 --> 00:05:58,340
video but then he got into a bar fight

137
00:05:53,399 --> 00:06:00,959
and they broke his camera so and so

138
00:05:58,339 --> 00:06:03,929
because you're you're you're often

139
00:06:00,959 --> 00:06:05,879
trying to go into that voice you become

140
00:06:03,930 --> 00:06:07,860
better at it and better and better and

141
00:06:05,879 --> 00:06:11,790
then you find yourself talking like the

142
00:06:07,860 --> 00:06:14,730
I know commander Worf so I think well

143

00:06:11,790 --> 00:06:16,860
Carol I think it's suiting you very well

144
00:06:14,730 --> 00:06:19,650
at the moment I'm I can see a new career

145
00:06:16,860 --> 00:06:22,590
for you doing voice-overs for for

146
00:06:19,649 --> 00:06:25,279
documentaries but it was it is good to

147
00:06:22,589 --> 00:06:28,319
catch up with you too because I know I'm

148
00:06:25,279 --> 00:06:30,479
you're very active of course in in

149
00:06:28,319 --> 00:06:32,370
Russia and The Skeptical movement what

150
00:06:30,480 --> 00:06:36,660
what's new in The Skeptical movement in

151
00:06:32,370 --> 00:06:40,139
motion right so this is a very good

152
00:06:36,660 --> 00:06:41,640
question and there are like okay so like

153
00:06:40,139 --> 00:06:44,759
there are good news and there are bad

154
00:06:41,639 --> 00:06:48,029
news the good news is that we did a lot

155
00:06:44,759 --> 00:06:50,759
of things we ran the first skeptic

156
00:06:48,029 --> 00:06:53,189
conference in Russia and it was crazy

157
00:06:50,759 --> 00:06:56,879

and it went much better than I thought

158

00:06:53,189 --> 00:07:00,110

it would so that's good to you yes and

159

00:06:56,879 --> 00:07:03,089

when he when you organize things like

160

00:07:00,110 --> 00:07:05,400

technology is important like will will

161

00:07:03,089 --> 00:07:06,779

the sound be recorded well and we

162

00:07:05,399 --> 00:07:08,669

actually had people come over from

163

00:07:06,779 --> 00:07:10,949

another city there was a guy with

164

00:07:08,670 --> 00:07:12,900

cameras who recorded it from several

165

00:07:10,949 --> 00:07:15,029

vanished poems and I had all my

166

00:07:12,899 --> 00:07:17,459

equipment sound equipment brought in and

167

00:07:15,029 --> 00:07:21,059

there was not a single technical problem

168

00:07:17,459 --> 00:07:22,709

which was fascinating Wow yeah so you

169

00:07:21,060 --> 00:07:24,930

know I did I did do like musical

170

00:07:22,709 --> 00:07:26,549

performances before in my life so I sort

171

00:07:24,930 --> 00:07:28,199

of knew like you have to bring all the

172
00:07:26,550 --> 00:07:29,730
cables and all that stuff so I had

173
00:07:28,199 --> 00:07:32,579
everything with me and it worked fine

174
00:07:29,730 --> 00:07:34,350
and more people showed up than we

175
00:07:32,579 --> 00:07:36,359
expected there were like about 250

176
00:07:34,350 --> 00:07:38,370
people you really thought it would be

177
00:07:36,360 --> 00:07:41,160
good if 70 people come that was like

178
00:07:38,370 --> 00:07:42,750
twenty fifth 250 people although many of

179
00:07:41,160 --> 00:07:44,640
them did not know what skeptics society

180
00:07:42,750 --> 00:07:47,850
is they didn't know did not know me but

181
00:07:44,639 --> 00:07:49,409
right every now and then so we were

182
00:07:47,850 --> 00:07:51,570
selling merchandise there will they

183
00:07:49,410 --> 00:07:53,790
printed some merchandise like bags that

184
00:07:51,569 --> 00:07:56,668
said this bag is like full of skepticism

185
00:07:53,790 --> 00:07:59,860
and stuff like that and it was very

186
00:07:56,668 --> 00:08:01,990
rewarding too I think last week see some

187
00:07:59,860 --> 00:08:04,419
one on a lecture dedicated to science

188
00:08:01,990 --> 00:08:08,468
you know like popular science lecture

189
00:08:04,418 --> 00:08:13,508
see somebody with the bag like wow these

190
00:08:08,468 --> 00:08:15,218
people actually exist so and also I

191
00:08:13,509 --> 00:08:18,189
spent a lot of my private money

192
00:08:15,218 --> 00:08:20,439
obviously for this and we were able to

193
00:08:18,189 --> 00:08:23,620
get back more than half of it which was

194
00:08:20,439 --> 00:08:25,599
also very very touching that people

195
00:08:23,620 --> 00:08:28,030
actually donated a lot in general

196
00:08:25,598 --> 00:08:29,649
because oh yeah hey well it sounds to me

197
00:08:28,029 --> 00:08:33,129
like there's a real interest in that

198
00:08:29,649 --> 00:08:39,069
part of the world yeah so now the bad

199
00:08:33,129 --> 00:08:40,778
thing it's it's sort of so I made a you

200

00:08:39,070 --> 00:08:42,310
know like sort of a video for everybody

201
00:08:40,778 --> 00:08:44,708
that you know what we have to make

202
00:08:42,309 --> 00:08:46,809
moreover own original material and this

203
00:08:44,708 --> 00:08:49,719
is something that is developing very

204
00:08:46,809 --> 00:08:53,259
very slowly so people are in general

205
00:08:49,720 --> 00:08:54,970
very ready to translate material the

206
00:08:53,259 --> 00:08:58,450
Western material you know documentaries

207
00:08:54,970 --> 00:08:59,889
and stuff yeah very people actually do

208
00:08:58,450 --> 00:09:01,259
something on their own which are

209
00:08:59,889 --> 00:09:03,879
considered to be a problem because

210
00:09:01,259 --> 00:09:07,269
whenever you're translating someone's

211
00:09:03,879 --> 00:09:09,250
material you are not an investigator and

212
00:09:07,269 --> 00:09:10,899
whenever you're trying to when you try

213
00:09:09,250 --> 00:09:12,879
to investigate something yourself you

214
00:09:10,899 --> 00:09:16,480

yourself become a better skeptic a

215

00:09:12,879 --> 00:09:18,039

better activist a better scientist if

216

00:09:16,480 --> 00:09:19,539

you learn things that you will not learn

217

00:09:18,039 --> 00:09:22,328

when you're just translating stuff and

218

00:09:19,539 --> 00:09:25,569

so I know from my own experience that

219

00:09:22,328 --> 00:09:28,958

making making your own investigations

220

00:09:25,570 --> 00:09:31,990

it's simply it's insanely important you

221

00:09:28,958 --> 00:09:34,539

just become a better investigator oo it

222

00:09:31,990 --> 00:09:36,250

yeah and so before you know before we

223

00:09:34,539 --> 00:09:38,559

get to the experiments that we're going

224

00:09:36,250 --> 00:09:41,049

to talk about yeah I want just to say

225

00:09:38,559 --> 00:09:45,369

that we have and I'm hoping maybe I'll

226

00:09:41,049 --> 00:09:47,528

be able to to chime in in a workshop or

227

00:09:45,370 --> 00:09:50,230

something at tam this year and tell

228

00:09:47,528 --> 00:09:53,860

about the gulag eena meena clogging of

229
00:09:50,230 --> 00:09:55,810
the telekinesis woman that was prominent

230
00:09:53,860 --> 00:09:58,000
in the Soviet era and that many people

231
00:09:55,809 --> 00:10:00,429
around the world no doubt oh yeah very

232
00:09:58,000 --> 00:10:02,889
favorite yes yes yes and we believe that

233
00:10:00,429 --> 00:10:05,889
we nailed her we believe that we found

234
00:10:02,889 --> 00:10:09,578
some first of all there was a very

235
00:10:05,889 --> 00:10:11,620
realistic method suggested and we found

236
00:10:09,578 --> 00:10:13,359
some evidence that this is the way she

237
00:10:11,620 --> 00:10:16,209
was doing this exactly

238
00:10:13,360 --> 00:10:18,039
and we also put up a questionnaire that

239
00:10:16,208 --> 00:10:19,750
answers each and every one of the

240
00:10:18,039 --> 00:10:23,919
arguments that were put forward and

241
00:10:19,750 --> 00:10:26,169
among the you know small but active

242
00:10:23,919 --> 00:10:29,019
skeptical circles it is considered that

243
00:10:26,169 --> 00:10:31,539
we the skeptics society have actually

244
00:10:29,019 --> 00:10:34,028
closed the the you know the topic of

245
00:10:31,539 --> 00:10:36,099
nina kulagina and many of the things can

246
00:10:34,028 --> 00:10:38,769
now be put to rest because simply this

247
00:10:36,100 --> 00:10:41,589
is the best theory that we have right

248
00:10:38,769 --> 00:10:43,778
now how she did it exactly so but you

249
00:10:41,589 --> 00:10:46,920
know that's for later well I'm sure

250
00:10:43,778 --> 00:10:49,328
James Randi will be very interested in

251
00:10:46,919 --> 00:10:51,129
talking to you about that but just

252
00:10:49,328 --> 00:10:53,429
getting back to experiments you know

253
00:10:51,129 --> 00:10:55,570
this is something very important is and

254
00:10:53,429 --> 00:10:58,328
skeptics our listeners after this

255
00:10:55,570 --> 00:11:00,519
interview will be hearing about an

256
00:10:58,328 --> 00:11:03,159
informal experiment we did in Sydney it

257

00:11:00,519 --> 00:11:06,179
skeptics in the pub with the the premium

258
00:11:03,159 --> 00:11:08,889
wine card but putting together

259
00:11:06,179 --> 00:11:11,409
experiments testing psychics is a very

260
00:11:08,889 --> 00:11:14,350
important aspect of what skepticism was

261
00:11:11,409 --> 00:11:16,120
all about but I understand that you've

262
00:11:14,350 --> 00:11:20,829
you've had some interesting experiences

263
00:11:16,120 --> 00:11:23,198
doing that yourself yeah so let me start

264
00:11:20,828 --> 00:11:28,000
off with the Barnum effect let me try to

265
00:11:23,198 --> 00:11:30,789
reproduce like what two weeks ago so we

266
00:11:28,000 --> 00:11:33,730
tried to do the classical test when able

267
00:11:30,789 --> 00:11:36,458
to take some sort of a psychological

268
00:11:33,730 --> 00:11:38,680
analysis and I think I took one from you

269
00:11:36,458 --> 00:11:41,078
I think you lent me the text you are

270
00:11:38,679 --> 00:11:43,328
using typically for this I did I did I

271
00:11:41,078 --> 00:11:47,319

remember that well but and you'll be

272

00:11:43,328 --> 00:11:50,379

interested to know that I years ago now

273

00:11:47,320 --> 00:11:52,660

I asked Randy James Randi and he sent me

274

00:11:50,379 --> 00:11:56,320

that I tweaked it a little bit for

275

00:11:52,659 --> 00:11:58,870

Australia and now now you're using a

276

00:11:56,320 --> 00:12:01,120

version of it yes and we Alec we also

277

00:11:58,870 --> 00:12:02,589

tweaked it I tweaked it to sound less

278

00:12:01,120 --> 00:12:04,389

like astrology and more like

279

00:12:02,589 --> 00:12:06,670

psychological analysis so that's more

280

00:12:04,389 --> 00:12:09,129

believable because the people that we

281

00:12:06,669 --> 00:12:11,229

would go to and the people that would

282

00:12:09,129 --> 00:12:13,990

definitely be in the space that we have

283

00:12:11,230 --> 00:12:16,060

skeptic meanings that would probably not

284

00:12:13,990 --> 00:12:18,190

be into astrology most people would not

285

00:12:16,059 --> 00:12:20,289

be there I just knew that this is the

286
00:12:18,190 --> 00:12:21,880
type of public there so it we said that

287
00:12:20,289 --> 00:12:23,409
we're going to run a psychological

288
00:12:21,879 --> 00:12:26,078
experiment and then we didn't give in

289
00:12:23,409 --> 00:12:27,189
details and so we had two groups of

290
00:12:26,078 --> 00:12:30,939
people unfortunately

291
00:12:27,190 --> 00:12:33,700
there wasn't a lot of them so and I

292
00:12:30,940 --> 00:12:35,230
actually went for you know like for the

293
00:12:33,700 --> 00:12:40,660
type of the experiment that Derren Brown

294
00:12:35,230 --> 00:12:42,610
has in his trick of the mind yeah I

295
00:12:40,659 --> 00:12:44,529
think it was something that yeah so he

296
00:12:42,610 --> 00:12:46,300
has like several groups of people like

297
00:12:44,529 --> 00:12:48,819
five and six people and it worked fine

298
00:12:46,299 --> 00:12:51,009
so I decided that it's probably easier

299
00:12:48,820 --> 00:12:53,470
to go for that one and so the first

300
00:12:51,009 --> 00:12:57,519
group of people was like five people and

301
00:12:53,470 --> 00:13:00,040
we got we you know we gave them the

302
00:12:57,519 --> 00:13:04,329
envelopes they would have to do like

303
00:13:00,039 --> 00:13:06,370
they had to take a pencil and draw their

304
00:13:04,330 --> 00:13:09,070
hand well you know draw the silhouette

305
00:13:06,370 --> 00:13:10,929
of their hand the shape of their hand on

306
00:13:09,070 --> 00:13:13,420
the paper then they have to write down

307
00:13:10,929 --> 00:13:16,089
their birth date if they knew the time

308
00:13:13,419 --> 00:13:18,519
of their birth that would help and yes

309
00:13:16,090 --> 00:13:20,320
and I guess that's it some like that and

310
00:13:18,519 --> 00:13:22,480
then we said that we're going to give

311
00:13:20,320 --> 00:13:25,690
the psychological analysis and then they

312
00:13:22,480 --> 00:13:28,659
waited for like 30 minutes and we put in

313
00:13:25,690 --> 00:13:30,430
actually hand written text and this was

314

00:13:28,659 --> 00:13:32,230
important because I thought that this

315
00:13:30,429 --> 00:13:35,139
would be realistic we have no printer

316
00:13:32,230 --> 00:13:36,879
here so we have actual written text

317
00:13:35,139 --> 00:13:41,019
given to them interesting and the first

318
00:13:36,879 --> 00:13:44,559
yeah and so the first group gave the

319
00:13:41,019 --> 00:13:45,610
following the following percentages and

320
00:13:44,559 --> 00:13:49,119
we asked them to read it a hundred

321
00:13:45,610 --> 00:13:50,590
percent absolutely accurate 0% nothing

322
00:13:49,120 --> 00:13:52,600
yeah and the percentages were such

323
00:13:50,590 --> 00:13:56,170
eighty percent thirty percent fifty

324
00:13:52,600 --> 00:13:58,000
percent zero percent in 25 now the

325
00:13:56,169 --> 00:13:59,829
person who put zero said that she knew

326
00:13:58,000 --> 00:14:01,720
would Barnum effect is and she kept

327
00:13:59,830 --> 00:14:05,680
laughing when she was reading her text

328
00:14:01,720 --> 00:14:07,330

and so yes and it is possible that she

329

00:14:05,679 --> 00:14:10,719

told it to the rest of the group because

330

00:14:07,330 --> 00:14:12,820

they seemed informed oh but and so yeah

331

00:14:10,720 --> 00:14:15,339

but at the other hand there was one girl

332

00:14:12,820 --> 00:14:17,710

that put eighty percent and in the end

333

00:14:15,339 --> 00:14:20,020

she said yes but this is actually right

334

00:14:17,710 --> 00:14:22,600

about my profession here it's like about

335

00:14:20,019 --> 00:14:24,250

my job and and I thought and later on

336

00:14:22,600 --> 00:14:26,560

when they you know when they left I said

337

00:14:24,250 --> 00:14:28,929

remember that girl that was the Barnum

338

00:14:26,559 --> 00:14:31,149

effect that was the Barnum effect in

339

00:14:28,929 --> 00:14:35,049

action and and if we had more people

340

00:14:31,149 --> 00:14:38,110

like her so I think one person bought it

341

00:14:35,049 --> 00:14:39,909

I'm on with the group yeah I and then we

342

00:14:38,110 --> 00:14:40,629

had a second group two people from that

343
00:14:39,909 --> 00:14:44,500
group you

344
00:14:40,629 --> 00:14:46,689
Barnum effect was in the beginning there

345
00:14:44,500 --> 00:14:48,850
were two people who did not know about

346
00:14:46,690 --> 00:14:50,710
the Barnum effect but one of them said

347
00:14:48,850 --> 00:14:54,220
that they believed the text was too

348
00:14:50,710 --> 00:14:58,930
abstract so so she noticed its abstract

349
00:14:54,220 --> 00:15:01,120
the other guy put ninety percent so but

350
00:14:58,929 --> 00:15:03,339
the second group was that oh the girl

351
00:15:01,120 --> 00:15:05,289
who said that the taxes too abstract was

352
00:15:03,340 --> 00:15:10,389
the first month ago the first one to

353
00:15:05,289 --> 00:15:11,769
give a her opinion yeah and and so I

354
00:15:10,389 --> 00:15:14,860
believe that that could have affected

355
00:15:11,769 --> 00:15:17,230
how other people view the results and so

356
00:15:14,860 --> 00:15:19,690
that showed to us that it's very

357
00:15:17,230 --> 00:15:22,060
difficult to reproduce experiments that

358
00:15:19,690 --> 00:15:24,730
there are many subtle details that you

359
00:15:22,059 --> 00:15:27,039
have to be aware of for example should

360
00:15:24,730 --> 00:15:30,159
they give their responses in private or

361
00:15:27,039 --> 00:15:31,779
out loud Randy did it out loud some

362
00:15:30,159 --> 00:15:34,209
people do it in private like you have to

363
00:15:31,779 --> 00:15:36,399
write it down and they read it some

364
00:15:34,210 --> 00:15:38,230
people given a reuse like Darren browned

365
00:15:36,399 --> 00:15:41,259
and there are many other ways to do this

366
00:15:38,230 --> 00:15:43,450
experiment so this is a decision but

367
00:15:41,259 --> 00:15:45,460
there was another very interesting thing

368
00:15:43,450 --> 00:15:47,830
and later on when I did research I found

369
00:15:45,460 --> 00:15:52,150
that we were obviously not the first one

370
00:15:47,830 --> 00:15:54,910
wants to come up with this so one of our

371

00:15:52,149 --> 00:15:57,819
skeptics who were core regularly

372
00:15:54,909 --> 00:16:00,069
on the meanings as this so during the

373
00:15:57,820 --> 00:16:02,490
experiment we're asking the participants

374
00:16:00,070 --> 00:16:06,820
to rate the accuracy of the description

375
00:16:02,490 --> 00:16:08,200
but when we asked that how do you know

376
00:16:06,820 --> 00:16:10,690
that they're giving us eighty percent

377
00:16:08,200 --> 00:16:13,720
that they mean that the accuracy only

378
00:16:10,690 --> 00:16:16,480
towards them and not accuracy in general

379
00:16:13,720 --> 00:16:18,759
as well so if we try to differentiate

380
00:16:16,480 --> 00:16:21,970
these things then we are sort of giving

381
00:16:18,759 --> 00:16:23,379
the trick away and if we're not then how

382
00:16:21,970 --> 00:16:25,149
do we know that this is what they mean

383
00:16:23,379 --> 00:16:28,659
well you raised some very interesting

384
00:16:25,149 --> 00:16:31,120
points there about testing claims in

385
00:16:28,659 --> 00:16:33,339

general when trying to recreate test so

386

00:16:31,120 --> 00:16:34,509

come up with new tests and I've

387

00:16:33,340 --> 00:16:36,250

certainly learned this from experience

388

00:16:34,509 --> 00:16:38,110

at the Australian skeptics and with the

389

00:16:36,250 --> 00:16:40,299

James Randi Educational Foundation as

390

00:16:38,110 --> 00:16:44,200

I'm on the the million dollar challenge

391

00:16:40,299 --> 00:16:48,759

community there it's not easy it is not

392

00:16:44,200 --> 00:16:51,009

easy is it yeah and we had we had also

393

00:16:48,759 --> 00:16:52,879

people come to us and say okay so we

394

00:16:51,009 --> 00:16:56,569

have a psychic that we know

395

00:16:52,879 --> 00:16:58,340

and say she moves objects on on the

396

00:16:56,570 --> 00:17:01,010

water so you know like you have a plate

397

00:16:58,340 --> 00:17:03,980

of water and then they put some very

398

00:17:01,009 --> 00:17:05,720

light object there and then the cycle

399

00:17:03,980 --> 00:17:07,940

concentrates and the object moves

400
00:17:05,720 --> 00:17:10,549
towards the edge of the plate so this is

401
00:17:07,940 --> 00:17:12,199
what typically happens right and and so

402
00:17:10,549 --> 00:17:14,389
they say we want to repeat the

403
00:17:12,199 --> 00:17:17,000
experiment but with proper controls and

404
00:17:14,390 --> 00:17:19,759
you start to you know to think of the

405
00:17:17,000 --> 00:17:23,180
correct protocol and it's not easy it's

406
00:17:19,759 --> 00:17:25,250
not easy at all because then you realize

407
00:17:23,180 --> 00:17:27,680
how many variables you have to exclude

408
00:17:25,250 --> 00:17:31,309
you realize how difficult it is to

409
00:17:27,680 --> 00:17:34,340
formalize the experience at all and very

410
00:17:31,309 --> 00:17:37,579
often you realize that about eighty

411
00:17:34,339 --> 00:17:39,649
percent of those claims are not even

412
00:17:37,579 --> 00:17:44,210
impressive because of that because

413
00:17:39,650 --> 00:17:46,490
they're simply not formalized like what

414
00:17:44,210 --> 00:17:47,990
exactly does she do does she move the

415
00:17:46,490 --> 00:17:49,370
object on the water and they can't

416
00:17:47,990 --> 00:17:52,039
answer that question they can't answer

417
00:17:49,369 --> 00:17:53,239
what the expected result is well that's

418
00:17:52,039 --> 00:17:55,639
very interesting you should say that

419
00:17:53,240 --> 00:17:57,380
because for the Australian skeptics at

420
00:17:55,640 --> 00:18:00,410
least we have three questions we ask

421
00:17:57,380 --> 00:18:04,670
people when they're applying the first

422
00:18:00,410 --> 00:18:08,509
question is can you tell us clearly and

423
00:18:04,670 --> 00:18:11,509
simply what your claim is and a lot of

424
00:18:08,509 --> 00:18:13,279
people can't do that they cannot tell us

425
00:18:11,509 --> 00:18:17,119
what they're cleaning and the next

426
00:18:13,279 --> 00:18:19,039
question is to what degree of accuracy

427
00:18:17,119 --> 00:18:20,689
do you expect when you do your claim

428

00:18:19,039 --> 00:18:23,440
again a lot of people can't answer that

429
00:18:20,690 --> 00:18:28,640
question either then so a lot of times

430
00:18:23,440 --> 00:18:30,559
we don't test people and some leads some

431
00:18:28,640 --> 00:18:32,270
people to say to us well why don't you

432
00:18:30,559 --> 00:18:35,649
skeptics test this person or that person

433
00:18:32,269 --> 00:18:38,690
and all we can say is well we can try

434
00:18:35,650 --> 00:18:42,950
but often we can't even get the first

435
00:18:38,690 --> 00:18:44,660
the first base with them yeah I think

436
00:18:42,950 --> 00:18:47,660
that many of them don't even understand

437
00:18:44,660 --> 00:18:49,700
the problem like here I can do this but

438
00:18:47,660 --> 00:18:51,670
what is it what is the expected result

439
00:18:49,700 --> 00:18:56,240
for example if you're showing us

440
00:18:51,670 --> 00:18:58,940
telekinesis are you argue what are you

441
00:18:56,240 --> 00:19:00,920
dragging the object towards you or what

442
00:18:58,940 --> 00:19:02,090

or if we put several objects what will

443

00:19:00,920 --> 00:19:04,140
happen and they can't answer the

444

00:19:02,089 --> 00:19:06,209
question okay what are we testing

445

00:19:04,140 --> 00:19:08,970
and they can't answer this they're like

446

00:19:06,210 --> 00:19:13,200
come on you're you're you're trying to

447

00:19:08,970 --> 00:19:17,279
be too formal no but it's very difficult

448

00:19:13,200 --> 00:19:19,410
to explain and we were contacted by a

449

00:19:17,279 --> 00:19:23,579
person who says that he is a physicist

450

00:19:19,410 --> 00:19:24,870
and I'm like right so you're a physicist

451

00:19:23,579 --> 00:19:27,329
and you don't know what a control

452

00:19:24,869 --> 00:19:29,069
experiment is well I think that it's

453

00:19:27,329 --> 00:19:31,349
possible you can't be a physicist and

454

00:19:29,069 --> 00:19:34,289
not really think about it much because

455

00:19:31,349 --> 00:19:37,649
there are certainly spheres of physics

456

00:19:34,289 --> 00:19:40,619
where you know they probably I mean a

457
00:19:37,650 --> 00:19:43,650
lot of scientists do not have to be

458
00:19:40,619 --> 00:19:46,199
active skeptics to do their experiments

459
00:19:43,650 --> 00:19:47,880
because they have these rules embedded

460
00:19:46,200 --> 00:19:50,400
in their profession this is how things

461
00:19:47,880 --> 00:19:54,000
are done yeah but why things are done

462
00:19:50,400 --> 00:19:55,500
that way not all of them can answer it's

463
00:19:54,000 --> 00:19:58,970
you again you bring up a very

464
00:19:55,500 --> 00:20:01,200
interesting point and I'm surprised when

465
00:19:58,970 --> 00:20:03,920
people who regard themselves as

466
00:20:01,200 --> 00:20:06,269
scientists or work in scientific fields

467
00:20:03,920 --> 00:20:09,410
seem to lack a certain basic

468
00:20:06,269 --> 00:20:12,420
understanding of the scientific method I

469
00:20:09,410 --> 00:20:13,740
always find that amusing and surprising

470
00:20:12,420 --> 00:20:17,039
and a little disappointing at the same

471
00:20:13,740 --> 00:20:18,630
time but it's it's interesting to find

472
00:20:17,039 --> 00:20:20,369
out that you have exactly the same

473
00:20:18,630 --> 00:20:22,170
problems all the way over there in

474
00:20:20,369 --> 00:20:24,299
Russia that we have in Australia and

475
00:20:22,170 --> 00:20:27,960
we've seen in the United States and

476
00:20:24,299 --> 00:20:29,849
other countries it's it's universal yeah

477
00:20:27,960 --> 00:20:32,610
yeah I guess it's because we all have

478
00:20:29,849 --> 00:20:37,199
brains that's the boy that's the

479
00:20:32,609 --> 00:20:39,689
denominator so yeah so I think that our

480
00:20:37,200 --> 00:20:43,080
brains think in a very similar way all

481
00:20:39,690 --> 00:20:45,299
of us and and it's stuff it's

482
00:20:43,079 --> 00:20:48,089
interesting though it's very because I

483
00:20:45,299 --> 00:20:50,609
mean that meeting where we did the

484
00:20:48,089 --> 00:20:52,769
Barnum effect it felt really special

485

00:20:50,609 --> 00:20:55,889
because we actually tried to do this and

486
00:20:52,769 --> 00:20:57,779
people were talking about it and you

487
00:20:55,890 --> 00:21:00,840
know we prepared all the stuff we made

488
00:20:57,779 --> 00:21:02,579
the envelopes we had the text we had the

489
00:21:00,839 --> 00:21:03,750
procedure and also you know the

490
00:21:02,579 --> 00:21:05,669
important thing about Barnum effect

491
00:21:03,750 --> 00:21:08,609
experiment by the way was to be very

492
00:21:05,670 --> 00:21:12,090
serious about it yeah like to to convey

493
00:21:08,609 --> 00:21:13,829
the you know a seriousness dedication

494
00:21:12,089 --> 00:21:15,629
that this is not a joke that this is you

495
00:21:13,829 --> 00:21:17,259
know as I was very formal like okay

496
00:21:15,630 --> 00:21:19,330
please everybody sit down

497
00:21:17,259 --> 00:21:21,309
please open your envelopes you know that

498
00:21:19,329 --> 00:21:23,589
kind of stuff and it felt as if it was

499
00:21:21,309 --> 00:21:25,779

very serious it like real experiment I

500

00:21:23,589 --> 00:21:29,349

think that's absolutely the right

501

00:21:25,779 --> 00:21:32,049

attitude to have you should be serious

502

00:21:29,349 --> 00:21:33,459

about it if you're doing a serious test

503

00:21:32,049 --> 00:21:36,339

me really looking for something that's

504

00:21:33,460 --> 00:21:40,180

the right way to do it the other way to

505

00:21:36,339 --> 00:21:41,709

do it which we did in the pub and which

506

00:21:40,180 --> 00:21:44,470

is coming up a bit later on in this

507

00:21:41,710 --> 00:21:46,240

episode of the skeptic zone was not to

508

00:21:44,470 --> 00:21:49,390

have a formal test but to have a test

509

00:21:46,240 --> 00:21:51,279

more for interest for people to see that

510

00:21:49,390 --> 00:21:53,710

we do test things and have a bit of a

511

00:21:51,279 --> 00:21:57,190

laugh and have some fun and then we all

512

00:21:53,710 --> 00:21:59,769

had a good time and that informal test

513

00:21:57,190 --> 00:22:02,710

will make a small part of the larger

514
00:21:59,769 --> 00:22:03,970
more rigorous formal test where we will

515
00:22:02,710 --> 00:22:06,250
be very serious and make sure

516
00:22:03,970 --> 00:22:08,920
everything's done absolutely correctly

517
00:22:06,250 --> 00:22:12,759
but I really enjoy it I really enjoy

518
00:22:08,920 --> 00:22:15,970
testing water diviners I enjoy listening

519
00:22:12,759 --> 00:22:17,440
to psychics when they're trying to talk

520
00:22:15,970 --> 00:22:19,450
with the dead and analyzing what they're

521
00:22:17,440 --> 00:22:23,019
doing I I think it's one of the more

522
00:22:19,450 --> 00:22:25,480
interesting aspects of what we do yeah

523
00:22:23,019 --> 00:22:27,670
yeah I agree I and I wish that we would

524
00:22:25,480 --> 00:22:31,539
have more people coming in to you know

525
00:22:27,670 --> 00:22:33,820
to test but so far it has been but it's

526
00:22:31,539 --> 00:22:37,119
I mean it doesn't happen in a day anyway

527
00:22:33,819 --> 00:22:39,339
so when we become unknown than probably

528
00:22:37,119 --> 00:22:41,469
this is what's going to happen it may

529
00:22:39,339 --> 00:22:43,689
well do although I'd probably have to

530
00:22:41,470 --> 00:22:44,860
tell you that from my experience with

531
00:22:43,690 --> 00:22:47,769
the skeptics in the James Randi

532
00:22:44,859 --> 00:22:51,459
Educational Foundation it's surprising

533
00:22:47,769 --> 00:22:53,049
how many people won't come and put their

534
00:22:51,460 --> 00:22:55,569
name forward to be tested they just

535
00:22:53,049 --> 00:22:59,289
won't do it even though there's lots of

536
00:22:55,569 --> 00:23:01,769
money as a prize a lot of people simply

537
00:22:59,289 --> 00:23:04,720
won't do it or again a lot of people

538
00:23:01,769 --> 00:23:07,509
can't tell us exactly what their claim

539
00:23:04,720 --> 00:23:09,910
is anyway so it doesn't go very far but

540
00:23:07,509 --> 00:23:13,240
every now and then we do get some people

541
00:23:09,910 --> 00:23:19,840
I do do you have anybody seriously in in

542

00:23:13,240 --> 00:23:21,730
in Russia who might be tested well like

543
00:23:19,839 --> 00:23:23,709
I said last time things haven't changed

544
00:23:21,730 --> 00:23:26,200
the internet and stuff like that we

545
00:23:23,710 --> 00:23:30,850
don't have big names anymore and I think

546
00:23:26,200 --> 00:23:34,590
that it is it becomes true 44 / world

547
00:23:30,849 --> 00:23:37,449
that big names are slowly going down

548
00:23:34,589 --> 00:23:38,829
whereas we have many local but we have

549
00:23:37,450 --> 00:23:41,529
many local people who are for example

550
00:23:38,829 --> 00:23:44,199
eating prana do you know the product

551
00:23:41,529 --> 00:23:48,009
eaters people who claim that they're not

552
00:23:44,200 --> 00:23:52,630
eating actual food and right so they're

553
00:23:48,009 --> 00:23:55,059
being prana and prana is is is very cool

554
00:23:52,630 --> 00:23:58,090
it's very cool it's very tasty these

555
00:23:55,059 --> 00:24:03,250
people usually usually look pretty

556
00:23:58,089 --> 00:24:05,559

weighty can I say that and so they must

557

00:24:03,250 --> 00:24:07,420

be getting this from somewhere but they

558

00:24:05,559 --> 00:24:10,289

claim this is product but the difficulty

559

00:24:07,420 --> 00:24:12,789

here of course is that whenever you are

560

00:24:10,289 --> 00:24:14,920

testing something medical especially

561

00:24:12,789 --> 00:24:19,170

when you're putting a person at risk is

562

00:24:14,920 --> 00:24:22,029

very difficult from a legal standpoint

563

00:24:19,170 --> 00:24:24,250

we have number of people you are

564

00:24:22,029 --> 00:24:26,170

absolutely right and it's one of the

565

00:24:24,250 --> 00:24:28,450

occasions where we probably wouldn't

566

00:24:26,170 --> 00:24:30,310

really go very far with that because we

567

00:24:28,450 --> 00:24:32,890

would be putting people at risk and in

568

00:24:30,309 --> 00:24:36,099

fact many years ago and I think it's on

569

00:24:32,890 --> 00:24:38,590

YouTube the 60 minutes program here in

570

00:24:36,099 --> 00:24:40,539

Australia one of their reporters who was

571
00:24:38,589 --> 00:24:42,549
a good friend of the skeptics man by the

572
00:24:40,539 --> 00:24:45,430
name of Richard Carlton who sadly died

573
00:24:42,549 --> 00:24:48,039
some years ago he tested a breatharian

574
00:24:45,430 --> 00:24:50,830
which i think is probably the same sort

575
00:24:48,039 --> 00:24:53,950
of thing you're talking about where the

576
00:24:50,829 --> 00:24:56,769
60 minutes program had her secured in a

577
00:24:53,950 --> 00:24:58,420
hotel room and monitored around the

578
00:24:56,769 --> 00:25:00,279
clock to make sure she wasn't eating and

579
00:24:58,420 --> 00:25:03,880
within a few days she became very ill

580
00:25:00,279 --> 00:25:06,220
because she wasn't eating and they had

581
00:25:03,880 --> 00:25:08,920
to stop the experiment well you know we

582
00:25:06,220 --> 00:25:11,559
were thinking about like a middle ground

583
00:25:08,920 --> 00:25:14,890
there that ok so we we will let them

584
00:25:11,559 --> 00:25:17,589
stay hungry for like 2-3 days but then

585
00:25:14,890 --> 00:25:19,960
we make measurements like of their urine

586
00:25:17,589 --> 00:25:22,419
samples yeah and if they're not eating

587
00:25:19,960 --> 00:25:25,240
then very quickly even within 24 hours

588
00:25:22,420 --> 00:25:27,130
we can see that yeah in certain body

589
00:25:25,240 --> 00:25:29,309
liquids and that will be fine we don't

590
00:25:27,130 --> 00:25:31,540
need to solve them to that yeah yeah yes

591
00:25:29,309 --> 00:25:32,000
that is one of the approaches but the

592
00:25:31,539 --> 00:25:34,420
difficulty

593
00:25:32,000 --> 00:25:37,309
here is that a person has to say yes to

594
00:25:34,420 --> 00:25:40,190
for their bodily fluids to be taken

595
00:25:37,309 --> 00:25:42,559
samples and so usually at this point

596
00:25:40,190 --> 00:25:46,039
they say oh no this is mine I can give

597
00:25:42,559 --> 00:25:47,599
it to you yeah and well and with the

598
00:25:46,039 --> 00:25:50,659
case of the one here in Australia a

599

00:25:47,599 --> 00:25:52,279
woman by the name of years mahim who won

600
00:25:50,660 --> 00:25:56,200
our bent spoon or what many years ago

601
00:25:52,279 --> 00:25:59,210
for these claims after a few days she

602
00:25:56,200 --> 00:26:01,940
said that the reasons he was getting ill

603
00:25:59,210 --> 00:26:04,160
was she was breathing in city air not

604
00:26:01,940 --> 00:26:05,180
clean country air so they took her to

605
00:26:04,160 --> 00:26:06,440
the country but it didn't make any

606
00:26:05,180 --> 00:26:08,660
difference of course but they always

607
00:26:06,440 --> 00:26:12,140
find an excuse kyriel they will always

608
00:26:08,660 --> 00:26:15,019
find an excuse yeah yeah but I guess

609
00:26:12,140 --> 00:26:17,060
that this is this is a point where you

610
00:26:15,019 --> 00:26:18,859
sort of hope that intelligent people

611
00:26:17,059 --> 00:26:21,470
will see that this is the excuse and

612
00:26:18,859 --> 00:26:23,389
nothing else I think intelligent people

613
00:26:21,470 --> 00:26:26,150

will I think I think that absolutely

614

00:26:23,390 --> 00:26:28,100
happens well kill it's really good to

615

00:26:26,150 --> 00:26:29,660
catch up with you again and it's really

616

00:26:28,099 --> 00:26:31,069
good to know that you like we here in

617

00:26:29,660 --> 00:26:33,800
Australia and other skeptical groups

618

00:26:31,069 --> 00:26:35,419
around the world are out there doing the

619

00:26:33,799 --> 00:26:37,940
tests are out there getting people

620

00:26:35,420 --> 00:26:40,250
interested in skepticism I think that's

621

00:26:37,940 --> 00:26:42,170
so important how can people I mean they

622

00:26:40,250 --> 00:26:44,869
they hear it on the commercial of course

623

00:26:42,170 --> 00:26:49,130
but how can people find out more about

624

00:26:44,869 --> 00:26:52,159
what you're doing right so our probably

625

00:26:49,130 --> 00:26:54,740
central hub is our website www.skeptic

626

00:26:52,160 --> 00:26:57,560
society are you and we have the forum

627

00:26:54,740 --> 00:26:58,910
which is finally coming to life and more

628
00:26:57,559 --> 00:27:02,359
people are actually hanging out in the

629
00:26:58,910 --> 00:27:04,720
forum and at vk.com the russian facebook

630
00:27:02,359 --> 00:27:08,240
social network this is where our

631
00:27:04,720 --> 00:27:10,789
activities are regarding social networks

632
00:27:08,240 --> 00:27:13,099
we're not currently present Facebook so

633
00:27:10,789 --> 00:27:15,529
this is probably it and we have meetings

634
00:27:13,099 --> 00:27:18,679
in like more than 10 cities right now

635
00:27:15,529 --> 00:27:22,369
across Ukraine Kazakhstan as well so

636
00:27:18,680 --> 00:27:25,070
people can do that and we have a

637
00:27:22,369 --> 00:27:26,949
meeting today actually and so we're

638
00:27:25,069 --> 00:27:30,559
going to be having some skeptical

639
00:27:26,950 --> 00:27:33,049
discussions today that's very exciting i

640
00:27:30,559 --> 00:27:35,750
am so pleased to hear that it's always

641
00:27:33,049 --> 00:27:38,970
good to know if of active people no

642
00:27:35,750 --> 00:27:41,349
matter where they are in the world

643
00:27:38,970 --> 00:27:43,360
spreading the message of skepticism

644
00:27:41,349 --> 00:27:45,548
which is basically the message of of

645
00:27:43,359 --> 00:27:47,859
science and the scientific approach and

646
00:27:45,548 --> 00:27:49,569
how it's progressing our society well

647
00:27:47,859 --> 00:27:52,659
Carol all the best good luck to you

648
00:27:49,569 --> 00:27:55,029
again and as I think I probably said

649
00:27:52,660 --> 00:27:58,509
last time who knows one day I might be

650
00:27:55,029 --> 00:28:16,899
able to visit you in Moscow yay thanks

651
00:27:58,509 --> 00:28:19,419
thank you Richard plus 3 30 minutes ago

652
00:28:16,900 --> 00:28:20,710
fear of Islamic law be so skeptical most

653
00:28:19,419 --> 00:28:22,480
of you must know not just a jutro

654
00:28:20,710 --> 00:28:24,190
prohodit car that we need ye lumis clear

655
00:28:22,480 --> 00:28:26,349
it algebra class camp associate nash

656

00:28:24,190 --> 00:28:28,450
podcast Petrova hooded garden engine but

657
00:28:26,349 --> 00:28:30,579
customs White's escaped aside a petrol

658
00:28:28,450 --> 00:28:34,740
bomb or choose not initiated st at a

659
00:28:30,579 --> 00:28:37,119
wave over skeptics society to screw

660
00:28:34,740 --> 00:28:39,220
everybody my name is carol and i'm the

661
00:28:37,119 --> 00:28:40,569
founder of skeptics society russia come

662
00:28:39,220 --> 00:28:42,789
visit us in moscow and our bi-weekly

663
00:28:40,569 --> 00:28:44,889
meetings and also listen to our weekly

664
00:28:42,789 --> 00:28:46,539
podcast which is called skeptic and the

665
00:28:44,890 --> 00:28:50,009
site where you can find all that the

666
00:28:46,539 --> 00:28:50,009
skeptics society that are you

667
00:28:59,299 --> 00:29:04,049
welcome to a week in science from our

668
00:29:01,740 --> 00:29:06,660
iOS bringing you the science you need to

669
00:29:04,049 --> 00:29:08,940
know should space via women's world

670
00:29:06,660 --> 00:29:10,650

female astronauts might just have the

671

00:29:08,940 --> 00:29:12,779

edge when it comes to long-haul space

672

00:29:10,650 --> 00:29:14,970

exploration and travel so stick around

673

00:29:12,779 --> 00:29:25,440

to find out if ladies who lunch should

674

00:29:14,970 --> 00:29:27,329

become ladies who launch if you want to

675

00:29:25,440 --> 00:29:29,309

be first in line for a ticket to mars it

676

00:29:27,329 --> 00:29:31,409

might help to be female as it's been

677

00:29:29,309 --> 00:29:33,059

suggested these long haul trips be

678

00:29:31,410 --> 00:29:36,480

exclusively helmed by the so-called

679

00:29:33,059 --> 00:29:39,119

verra sex why well part of it has to do

680

00:29:36,480 --> 00:29:41,099

with physiology early research indicated

681

00:29:39,119 --> 00:29:43,409

that women have stronger hearts and can

682

00:29:41,099 --> 00:29:45,329

therefore better handle low oxygen low

683

00:29:43,410 --> 00:29:47,009

gravity environments and can also

684

00:29:45,329 --> 00:29:49,439

withstand greater vibrations and

685
00:29:47,009 --> 00:29:51,299
radiation psychologically women might

686
00:29:49,440 --> 00:29:52,620
also cope a little better with some

687
00:29:51,299 --> 00:29:54,569
research suggesting they're less

688
00:29:52,619 --> 00:29:56,789
affected by isolation and a lack of

689
00:29:54,569 --> 00:29:58,679
sensory input women are also said to

690
00:29:56,789 --> 00:30:00,839
increase cohesion and team work within

691
00:29:58,680 --> 00:30:05,190
the tight-knit teams necessary for space

692
00:30:00,839 --> 00:30:07,529
exploration but there's one specific

693
00:30:05,190 --> 00:30:10,259
area where sending them into space makes

694
00:30:07,529 --> 00:30:12,779
a lot of sense dolazim sense that is

695
00:30:10,259 --> 00:30:14,970
that's right when it comes to economics

696
00:30:12,779 --> 00:30:17,609
ladies are a whole lot lighter on the

697
00:30:14,970 --> 00:30:19,890
hip pocket on a Mars mission simulation

698
00:30:17,609 --> 00:30:21,719
in Hawaii females were found to expend

699
00:30:19,890 --> 00:30:23,700
less than half the calories than their

700
00:30:21,720 --> 00:30:26,339
male counterparts for the same exercises

701
00:30:23,700 --> 00:30:28,740
and tasks therefore needing half the

702
00:30:26,339 --> 00:30:30,389
amount of food as the difference in size

703
00:30:28,740 --> 00:30:32,730
between the guys and girls gets greater

704
00:30:30,390 --> 00:30:34,680
sort of the savings by the time you

705
00:30:32,730 --> 00:30:36,329
compare a small woman to a large man

706
00:30:34,680 --> 00:30:39,090
they require less than half the

707
00:30:36,329 --> 00:30:40,470
resources the other benefit this creates

708
00:30:39,089 --> 00:30:43,049
is that less food onboard a spacecraft

709
00:30:40,470 --> 00:30:46,170
means less weight and therefore less

710
00:30:43,049 --> 00:30:50,299
fuel and now let's blast off into for

711
00:30:46,170 --> 00:30:50,300
fast facts about female astronauts

712
00:30:50,808 --> 00:30:55,759
the first woman in space was valentina

713

00:30:53,359 --> 00:31:00,008
tereshkova who flew from the Soviet

714
00:30:55,759 --> 00:31:03,019
Union in 1963 at the tender age of 26

715
00:31:00,009 --> 00:31:05,980
tereshkova orbited the earth 48 x over

716
00:31:03,019 --> 00:31:09,528
three days a record at the time out of

717
00:31:05,980 --> 00:31:12,110
536 total space travelers 59 have been

718
00:31:09,528 --> 00:31:14,419
women a mere eleven percent american

719
00:31:12,109 --> 00:31:16,490
astronaut and overachiever Sunita

720
00:31:14,419 --> 00:31:19,788
Williams holds the female records for

721
00:31:16,490 --> 00:31:22,399
longest space flight 195 days most

722
00:31:19,788 --> 00:31:25,819
spacewalk time 50 hours and 40 minutes

723
00:31:22,398 --> 00:31:28,308
and most spacewalks having exited the

724
00:31:25,819 --> 00:31:30,678
hatch seven times that's it for this

725
00:31:28,308 --> 00:31:33,349
week in science for more information on

726
00:31:30,679 --> 00:31:38,090
ladies in space go to the rirs website

727
00:31:33,349 --> 00:31:40,819

RI aus org a you follow us on twitter at

728

00:31:38,089 --> 00:31:43,158

our iOS and like us on Facebook I'm

729

00:31:40,819 --> 00:32:01,460

Casey Harrigan and we'll catch you next

730

00:31:43,159 --> 00:32:04,940

week hey Heidi oh hi Joe hi Heidi oh hi

731

00:32:01,460 --> 00:32:08,179

Maynard hi Maynard oh hi Joe nice day in

732

00:32:04,940 --> 00:32:12,019

this park yeah yes great weather oh look

733

00:32:08,179 --> 00:32:14,600

a unicorn a unicorn there are no such

734

00:32:12,019 --> 00:32:17,808

things as unicorns silly yes there are

735

00:32:14,599 --> 00:32:20,298

no there isn't Hey ladies what are you

736

00:32:17,808 --> 00:32:23,749

arguing about Joe thinks unicorns are

737

00:32:20,298 --> 00:32:27,259

real they so are let's look this up in

738

00:32:23,749 --> 00:32:29,538

the skeptics dictionary the word how can

739

00:32:27,259 --> 00:32:31,849

we do that in this park there are no

740

00:32:29,538 --> 00:32:34,158

computers here you ladies probably don't

741

00:32:31,849 --> 00:32:37,248

know about the skeptics dictionary app

742
00:32:34,159 --> 00:32:40,399
available now for iPhone iPad and iPod

743
00:32:37,249 --> 00:32:42,350
touch in the app store yeah we do we've

744
00:32:40,398 --> 00:32:46,699
been listening to the skeptic zone for

745
00:32:42,349 --> 00:32:48,888
years you know yes ok the app lets you

746
00:32:46,700 --> 00:32:52,610
access all the great skeptics dictionary

747
00:32:48,888 --> 00:32:55,459
articles when you're on the go yeah let

748
00:32:52,609 --> 00:32:58,368
me look up unicorns oh cool Heidi

749
00:32:55,460 --> 00:33:00,860
prepare to be proven wrong it says here

750
00:32:58,368 --> 00:33:03,819
the Unicorn is a creature from fables

751
00:33:00,859 --> 00:33:05,349
aha actually I see now that

752
00:33:03,819 --> 00:33:08,439
someone just dumped their ice cream cone

753
00:33:05,349 --> 00:33:10,750
on that horse's head thanks dictionnaire

754
00:33:08,440 --> 00:33:23,170
iphone that's just some guy in these

755
00:33:10,750 --> 00:33:26,140
undies recently Australian skeptics came

756
00:33:23,170 --> 00:33:28,330
into possession of a premium wine card

757
00:33:26,140 --> 00:33:30,070
if you don't know what the premium wine

758
00:33:28,329 --> 00:33:33,009
cut is I recommend you go to the website

759
00:33:30,069 --> 00:33:36,879
of premium wine card just Google premium

760
00:33:33,009 --> 00:33:41,619
wine card or wine card this is a credit

761
00:33:36,880 --> 00:33:46,330
card sized card made out of metal very

762
00:33:41,619 --> 00:33:49,299
light metal which claims the claims are

763
00:33:46,329 --> 00:33:52,809
that if you rub this card against a wine

764
00:33:49,299 --> 00:33:56,680
glass it will make the wine inside the

765
00:33:52,809 --> 00:33:58,569
wine glass taste better you can turn

766
00:33:56,680 --> 00:34:01,240
standard wine on all the wine into

767
00:33:58,569 --> 00:34:05,200
premium white so the claim is needless

768
00:34:01,240 --> 00:34:08,800
to say that we were still a skeptical of

769
00:34:05,200 --> 00:34:10,960
this amazing claim so the other night at

770

00:34:08,800 --> 00:34:15,250
sydney skeptics in the pub we had a lot

771
00:34:10,960 --> 00:34:19,150
of fun we had lots of glasses of wine

772
00:34:15,250 --> 00:34:21,130
lined up and we had two cards one was

773
00:34:19,150 --> 00:34:24,670
the premium wine card another was a

774
00:34:21,130 --> 00:34:27,700
dummy or placebo card exactly the same

775
00:34:24,670 --> 00:34:30,820
ma size and weight both cards were

776
00:34:27,699 --> 00:34:34,210
wrapped up in paper nobody knew which

777
00:34:30,820 --> 00:34:37,840
was which they were labeled X and Y and

778
00:34:34,210 --> 00:34:40,210
the toss of a coin decided which of the

779
00:34:37,840 --> 00:34:43,269
two glasses our volunteers would try

780
00:34:40,210 --> 00:34:46,150
first anyway let me take you now to

781
00:34:43,269 --> 00:34:50,340
Sydney skeptics in the pub and we can

782
00:34:46,150 --> 00:34:50,340
listen in on the night's test

783
00:34:53,480 --> 00:34:57,900
so we're here it's Sydney skeptics in

784
00:34:56,159 --> 00:34:59,460

the bottom tonight we're doing a well a

785

00:34:57,900 --> 00:35:01,500

more or less an informal test of the

786

00:34:59,460 --> 00:35:03,769

wine car the premium wine card and I've

787

00:35:01,500 --> 00:35:06,980

got cigna came here with me from the

788

00:35:03,769 --> 00:35:10,259

Australian settings such dicks

789

00:35:06,980 --> 00:35:14,130

Australian skeptics have a committee

790

00:35:10,260 --> 00:35:16,590

here in our city cigna what what's your

791

00:35:14,130 --> 00:35:20,039

opinion should the skeptics keep testing

792

00:35:16,590 --> 00:35:22,410

these devices I mean we're skeptical

793

00:35:20,039 --> 00:35:24,329

very I mean I really have to emphasize

794

00:35:22,409 --> 00:35:26,639

that we're very skeptical of this device

795

00:35:24,329 --> 00:35:28,199

do you think it's still something we

796

00:35:26,639 --> 00:35:30,029

should be doing is testing all these

797

00:35:28,199 --> 00:35:32,609

things yeah i think so i think it's

798

00:35:30,030 --> 00:35:35,760

firstly it's fun it's an entertaining

799
00:35:32,610 --> 00:35:37,920
way to teach people something about

800
00:35:35,760 --> 00:35:40,530
science and about how science works and

801
00:35:37,920 --> 00:35:42,420
about how people should approach these

802
00:35:40,530 --> 00:35:45,330
things for example i was just being told

803
00:35:42,420 --> 00:35:48,599
that somebody at home has their relative

804
00:35:45,329 --> 00:35:50,400
at home has a magnetic wine decanter or

805
00:35:48,599 --> 00:35:52,349
something when you look down the bottle

806
00:35:50,400 --> 00:35:54,150
yeah and then they swear that their

807
00:35:52,349 --> 00:35:56,309
wines has so much better offset 15

808
00:35:54,150 --> 00:35:58,019
minutes and because there they don't

809
00:35:56,309 --> 00:35:59,579
think about these things in a scientific

810
00:35:58,019 --> 00:36:01,650
way so they don't think well I could

811
00:35:59,579 --> 00:36:03,750
actually test this out home I could I

812
00:36:01,650 --> 00:36:06,150
could get two bowls of wine or I could

813
00:36:03,750 --> 00:36:07,440
get someone else to try to they just put

814
00:36:06,150 --> 00:36:09,750
it down they believe the marketing

815
00:36:07,440 --> 00:36:11,250
claims so skeptics doing this test even

816
00:36:09,750 --> 00:36:12,510
if it's just informally mittens just for

817
00:36:11,250 --> 00:36:14,880
a bit of fun and everyone here knows

818
00:36:12,510 --> 00:36:17,460
that it's probably not as controlled as

819
00:36:14,880 --> 00:36:19,130
it could be yeah we're still I'm pretty

820
00:36:17,460 --> 00:36:21,240
sure we're still teaching people

821
00:36:19,130 --> 00:36:23,700
something about it so I think it's

822
00:36:21,239 --> 00:36:25,889
valuable and I think and it's also fun

823
00:36:23,699 --> 00:36:27,269
and all such as fun together and do it I

824
00:36:25,889 --> 00:36:28,769
think you're absolutely right it's a

825
00:36:27,269 --> 00:36:30,739
nice social opportunity and people are

826
00:36:28,769 --> 00:36:32,969
very interested and they call and

827

00:36:30,739 --> 00:36:36,239
everybody here who wants to be gets to

828
00:36:32,969 --> 00:36:37,829
be part of the broader tears to the wine

829
00:36:36,239 --> 00:36:40,169
card and I think that that's it yeah

830
00:36:37,829 --> 00:36:43,000
it's a good thing yeah i agree so i

831
00:36:40,170 --> 00:36:45,940
think it's good to test things

832
00:36:43,000 --> 00:36:48,670
just get together learn something have a

833
00:36:45,940 --> 00:36:51,190
bit of fun a bit of wine in this case

834
00:36:48,670 --> 00:36:53,619
yeah or you know whatever else it is and

835
00:36:51,190 --> 00:36:55,659
then next time when you're confronted

836
00:36:53,619 --> 00:36:57,099
with a claim like this oh you know try

837
00:36:55,659 --> 00:36:59,289
this is going to be so into bad at you

838
00:36:57,099 --> 00:37:01,089
you know so the principles behind it

839
00:36:59,289 --> 00:37:03,969
that might be influencing you and you're

840
00:37:01,090 --> 00:37:05,590
just a tiny bit smarter and maybe less

841
00:37:03,969 --> 00:37:08,289

gullible to all these people who just

842

00:37:05,590 --> 00:37:13,360

try to sell you crap maybe Thanks

843

00:37:08,289 --> 00:37:15,340

dignity Horace Andy and wine card is

844

00:37:13,360 --> 00:37:18,130

being tested as we speak I just come

845

00:37:15,340 --> 00:37:19,360

around the back here I'm with Jessica

846

00:37:18,130 --> 00:37:21,010

singer from the Australian skeptics

847

00:37:19,360 --> 00:37:23,440

Jessica we're testing the wine card

848

00:37:21,010 --> 00:37:26,370

informally here in the public indeed and

849

00:37:23,440 --> 00:37:28,929

i am recording the results with much

850

00:37:26,369 --> 00:37:30,880

conscientiousness and accuracy now we

851

00:37:28,929 --> 00:37:33,819

don't know which card is which a little

852

00:37:30,880 --> 00:37:36,760

envelopes there and now i did the person

853

00:37:33,820 --> 00:37:39,670

who did it is a non drinker I'm not

854

00:37:36,760 --> 00:37:41,500

drink any there's a toss-up going to

855

00:37:39,670 --> 00:37:45,480

help the randomization now Amy's just

856
00:37:41,500 --> 00:37:47,699
tasting it now first class Oh

857
00:37:45,480 --> 00:37:50,559
interesting expression on the face

858
00:37:47,699 --> 00:37:53,139
ecstasy oh she seems to like that one

859
00:37:50,559 --> 00:37:54,849
not in yet now the second glass which

860
00:37:53,139 --> 00:38:00,969
may or may not be treated with the wine

861
00:37:54,849 --> 00:38:03,389
card here we go she's thinking the first

862
00:38:00,969 --> 00:38:08,439
one she's going for the first one well

863
00:38:03,389 --> 00:38:10,539
yes finish them off its that's right

864
00:38:08,440 --> 00:38:12,900
nobody goes thirsty an artist that's

865
00:38:10,539 --> 00:38:12,900
true

866
00:38:17,329 --> 00:38:27,950
so how many trials have we had so far 10

867
00:38:23,989 --> 00:38:29,958
to 10 12 and 11 the brief glances I

868
00:38:27,949 --> 00:38:32,538
can't see any particular pattern of be

869
00:38:29,958 --> 00:38:34,248
rendered down we'll see how it goes and

870
00:38:32,539 --> 00:38:36,619
then after about 20 trials will see

871
00:38:34,248 --> 00:38:39,409
which card is the wine card which card

872
00:38:36,619 --> 00:38:41,059
is that the dummy the fake one yeah now

873
00:38:39,409 --> 00:38:44,149
the next trial is on the way and they're

874
00:38:41,059 --> 00:38:46,819
running the two cards one is a placebo

875
00:38:44,150 --> 00:38:49,309
and one is an item one has to gently

876
00:38:46,818 --> 00:38:51,079
caress the card against the glass it's

877
00:38:49,309 --> 00:38:55,160
obviously all in the wrist action don't

878
00:38:51,079 --> 00:38:57,769
you think Richard one could say that

879
00:38:55,159 --> 00:39:01,219
about many things Jessica verse 11 could

880
00:38:57,768 --> 00:39:04,038
be in byces is using one car there and

881
00:39:01,219 --> 00:39:05,088
Gary our volunteer at the moments using

882
00:39:04,039 --> 00:39:07,009
the other one on the wine that's about

883
00:39:05,088 --> 00:39:09,400
15 seconds I think gentlemen as

884

00:39:07,009 --> 00:39:13,068
specified by the water filtration

885
00:39:09,400 --> 00:39:15,588
situation it's not so keen pressing

886
00:39:13,068 --> 00:39:19,989
tossing the coin and its various

887
00:39:15,588 --> 00:39:25,038
everybody okay X the signal Gary's

888
00:39:19,989 --> 00:39:28,219
sampling the window like one it smells

889
00:39:25,039 --> 00:39:33,469
like wine it's a good sign it tasting it

890
00:39:28,219 --> 00:39:35,088
now tasting it again to be sure seems

891
00:39:33,469 --> 00:39:40,579
rather undecided now he's trying the

892
00:39:35,088 --> 00:39:42,139
second one second glass treated with or

893
00:39:40,579 --> 00:39:45,680
without the wine card we don't know but

894
00:39:42,139 --> 00:39:50,088
I get the impression that the second one

895
00:39:45,679 --> 00:39:52,578
doesn't smell as as much as fruity as

896
00:39:50,088 --> 00:39:55,190
whiney as the first one interesting okay

897
00:39:52,579 --> 00:39:59,449
all right and he's trying the second one

898
00:39:55,190 --> 00:40:04,208

now I think I can honestly say that this

899

00:39:59,449 --> 00:40:06,349

one the second glass tastes bland off

900

00:40:04,208 --> 00:40:08,778

interesting so you're going to go for

901

00:40:06,349 --> 00:40:10,789

the first one which is X to the stuff my

902

00:40:08,778 --> 00:40:12,949

personal preference would be for the one

903

00:40:10,789 --> 00:40:16,859

without with the less sort of spicy

904

00:40:12,949 --> 00:40:18,960

bites interesting so that so that

905

00:40:16,858 --> 00:40:20,788

so that for me the second one is better

906

00:40:18,960 --> 00:40:23,159

are the second one is better all right

907

00:40:20,789 --> 00:40:27,630

another test under way what's the your

908

00:40:23,159 --> 00:40:34,098

answer they're very fine x all very fine

909

00:40:27,630 --> 00:40:41,430

exits away how many have we got now just

910

00:40:34,099 --> 00:40:44,700

give Israel of God 515 wise with four

911

00:40:41,429 --> 00:40:48,028

aces 3 equals 0 so that totals exert

912

00:40:44,699 --> 00:40:49,768

that top so we've done 12 tests so far

913
00:40:48,028 --> 00:40:51,329
there's not much there's not much of

914
00:40:49,768 --> 00:40:52,768
Manhattan emerging I must say there's no

915
00:40:51,329 --> 00:40:56,519
strong favoring one on the other we've

916
00:40:52,768 --> 00:40:58,048
got people lined up to try it so signal

917
00:40:56,518 --> 00:40:59,818
we were just discussing earlier that

918
00:40:58,048 --> 00:41:01,768
these tests are good fun and this is

919
00:40:59,818 --> 00:41:03,778
good fun people are lining up there

920
00:41:01,768 --> 00:41:05,998
rubbing their wine with their cards

921
00:41:03,778 --> 00:41:07,920
they're tasting each one they're making

922
00:41:05,998 --> 00:41:12,028
funny expressions on their faces it up

923
00:41:07,920 --> 00:41:14,130
there goes a toss of the coin again so I

924
00:41:12,028 --> 00:41:17,219
think it's a really worthwhile exercise

925
00:41:14,130 --> 00:41:20,369
I think so too particularly if you get a

926
00:41:17,219 --> 00:41:21,899
takeaway message that next time you see

927
00:41:20,369 --> 00:41:24,028
something like this you might just

928
00:41:21,900 --> 00:41:25,619
thoughts and think about it a bit past

929
00:41:24,028 --> 00:41:27,539
capital e I think that's really the most

930
00:41:25,619 --> 00:41:30,210
important aspect of doing this because

931
00:41:27,539 --> 00:41:32,099
if we were thinking about the protocol

932
00:41:30,210 --> 00:41:34,650
here there's probably a lot of things

933
00:41:32,099 --> 00:41:36,298
that we won't work it's quite like it's

934
00:41:34,650 --> 00:41:39,329
quite yet for example we don't even have

935
00:41:36,298 --> 00:41:41,788
control yeah the dirt that has not been

936
00:41:39,329 --> 00:41:43,318
robbed but that's so good fun and also

937
00:41:41,789 --> 00:41:48,059
if everyone had to drink from three

938
00:41:43,318 --> 00:41:50,038
glasses we'd all be stumbling at a good

939
00:41:48,059 --> 00:41:51,930
thing is the claim is this card also

940
00:41:50,039 --> 00:41:54,450
works on water so maybe we can try it

941

00:41:51,929 --> 00:41:58,190
out another time oh yeah yeah we're just

942
00:41:54,449 --> 00:41:58,189
call me a pathak my god

943
00:42:00,079 --> 00:42:05,909
getting down to the business and the

944
00:42:02,039 --> 00:42:07,829
coin is tossed again Australia the coin

945
00:42:05,909 --> 00:42:08,939
has a kangaroo on one side and Australia

946
00:42:07,829 --> 00:42:10,589
on the other that's why we're saying

947
00:42:08,938 --> 00:42:11,518
these strange things another taste going

948
00:42:10,588 --> 00:42:16,078
under way what do you think of your

949
00:42:11,518 --> 00:42:17,728
first selection there as I'd wine tastes

950
00:42:16,079 --> 00:42:19,229
like wine that's a that's the answer

951
00:42:17,728 --> 00:42:24,108
we've been getting a lot lately tonight

952
00:42:19,228 --> 00:42:28,288
I think skeptics nothing if not

953
00:42:24,108 --> 00:42:31,699
insightful accurate sharp as needles we

954
00:42:28,289 --> 00:42:35,239
are oh yeah he can't make up his mind

955
00:42:31,699 --> 00:42:40,858

identical identical yes good answer yes

956

00:42:35,239 --> 00:42:46,079

valid answer thank you now how very own

957

00:42:40,858 --> 00:42:50,068

Jessica singer it's going to try so both

958

00:42:46,079 --> 00:42:52,739

glasses are being rubbed with the cards

959

00:42:50,068 --> 00:42:55,458

one is a placebo carden one is the real

960

00:42:52,739 --> 00:42:59,298

wine card we don't know which is which

961

00:42:55,458 --> 00:43:04,338

they're rubbing them for 15 seconds

962

00:42:59,298 --> 00:43:04,338

time's up now we'll toss the coin in

963

00:43:04,518 --> 00:43:10,708

kangaroo so she tastes glass wine what

964

00:43:09,389 --> 00:43:14,969

do you think of the first one Jessica

965

00:43:10,708 --> 00:43:17,009

its wine there you go the was skeptical

966

00:43:14,969 --> 00:43:22,679

answer now she's going to try the second

967

00:43:17,009 --> 00:43:26,630

one it's amazing it it's not scotch know

968

00:43:22,679 --> 00:43:26,630

now that would be a great card

969

00:43:27,099 --> 00:43:37,640

and the second one equal all right we've

970
00:43:31,849 --> 00:43:44,269
got another eco school to the kangaroo

971
00:43:37,639 --> 00:43:46,308
sing stuff definitely Wow oh my god what

972
00:43:44,269 --> 00:43:48,980
do you think you can is there a

973
00:43:46,309 --> 00:43:51,700
difference moderate Rick you know if I

974
00:43:48,980 --> 00:43:58,789
heard of a difference easy to clean up

975
00:43:51,699 --> 00:44:00,169
it's more 0 x x marks the spot well not

976
00:43:58,789 --> 00:44:02,599
long to go we've only got a couple more

977
00:44:00,170 --> 00:44:04,730
people to go through the tests before we

978
00:44:02,599 --> 00:44:06,920
reveal which card is the placebo and

979
00:44:04,730 --> 00:44:09,289
which is the wine card and just to

980
00:44:06,920 --> 00:44:12,650
remind ourselves tonight is all about

981
00:44:09,289 --> 00:44:14,750
fun it's showing people that skeptics

982
00:44:12,650 --> 00:44:16,849
like to have fun everybody's here is

983
00:44:14,750 --> 00:44:18,409
enjoying the evening we'll get some

984
00:44:16,849 --> 00:44:20,170
results and will include them in any

985
00:44:18,409 --> 00:44:23,149
report but there's strictly

986
00:44:20,170 --> 00:44:26,750
non-scientific and just part of the

987
00:44:23,150 --> 00:44:29,838
overall enjoyment of being a skeptic and

988
00:44:26,750 --> 00:44:32,239
testing things and the final test of the

989
00:44:29,838 --> 00:44:37,068
evenings coming up and this time we're

990
00:44:32,239 --> 00:44:38,899
using we're doing it water water as per

991
00:44:37,068 --> 00:44:41,690
the claims on the website it does work

992
00:44:38,900 --> 00:44:43,400
with water so here we go ok which one a

993
00:44:41,690 --> 00:44:48,349
place like sending which one tastes like

994
00:44:43,400 --> 00:44:49,670
a delay it's a young Tom trying it with

995
00:44:48,349 --> 00:44:52,250
the water and he just reported that

996
00:44:49,670 --> 00:44:53,750
rubbing the card on the the glass feels

997
00:44:52,250 --> 00:44:57,579
very silly

998

00:44:53,750 --> 00:44:57,579
okay I have to agree it looks silly two

999
00:44:57,820 --> 00:45:04,580
times up hey wait to Whitney see which

1000
00:45:01,849 --> 00:45:15,559
one you going to tangle food so that's

1001
00:45:04,579 --> 00:45:26,509
Australia so we try that one this one's

1002
00:45:15,559 --> 00:45:28,699
watered down ah but which water is the

1003
00:45:26,510 --> 00:45:35,600
better tasting do you think this one or

1004
00:45:28,699 --> 00:45:38,059
this one um not sure probably you can

1005
00:45:35,599 --> 00:45:42,769
say neither it's okay honey neither

1006
00:45:38,059 --> 00:45:46,130
could but there are people oh I told you

1007
00:45:42,769 --> 00:45:47,750
this one tastes a bit watered out which

1008
00:45:46,130 --> 00:45:51,920
one do you prefer yeah but which one

1009
00:45:47,750 --> 00:45:56,300
should I was up to you that's okay to

1010
00:45:51,920 --> 00:45:59,059
you what I stop he's trying them both

1011
00:45:56,300 --> 00:46:08,200
together because it's an easy gillespie

1012
00:45:59,059 --> 00:46:11,529

why why last one naughty wow that's

1013

00:46:08,199 --> 00:46:19,339

alright that's how 20 trials completed

1014

00:46:11,530 --> 00:46:22,400

and a scorekeeper jessica is just going

1015

00:46:19,340 --> 00:46:25,760

to quickly taught up the X's and Y's and

1016

00:46:22,400 --> 00:46:28,690

the equals really coming up after the

1017

00:46:25,760 --> 00:46:28,690

break we'll find out

1018

00:46:28,849 --> 00:46:39,529

okay eggs the vote for x.x got seven

1019

00:46:35,010 --> 00:46:46,190

boats the xmas better why got six votes

1020

00:46:39,530 --> 00:46:46,190

and equal like no difference seven votes

1021

00:46:46,820 --> 00:46:53,460

Maury much now their army of the reveal

1022

00:46:51,300 --> 00:46:55,110

we don't have the reveal ian is opening

1023

00:46:53,460 --> 00:46:57,780

hey buzz that this one's that and

1024

00:46:55,110 --> 00:47:00,390

doctors about Bobby in his opening

1025

00:46:57,780 --> 00:47:09,240

understand bet card number card litter

1026

00:47:00,389 --> 00:47:11,069

others have an X X is lime curd you like

1027
00:47:09,239 --> 00:47:12,659
to open that one or two they show quite

1028
00:47:11,070 --> 00:47:17,400
happy that's what and why was the

1029
00:47:12,659 --> 00:47:19,529
placebo no hang on so the one card got

1030
00:47:17,400 --> 00:47:22,380
seven votes is getting the better result

1031
00:47:19,530 --> 00:47:25,080
and the placebo got six votes all the

1032
00:47:22,380 --> 00:47:29,369
usual do we think that's within the

1033
00:47:25,079 --> 00:47:31,739
range of normal chance so that means

1034
00:47:29,369 --> 00:47:34,949
that on a bayesian basis we can say that

1035
00:47:31,739 --> 00:47:38,459
the results were entirely consistent

1036
00:47:34,949 --> 00:47:44,029
with chance and that is a failure to

1037
00:47:38,460 --> 00:47:44,030
confirm the theory three cheers amazed

1038
00:47:46,880 --> 00:47:52,528
well there you go not a good result for

1039
00:47:49,440 --> 00:47:55,499
the premium wine card now these informal

1040
00:47:52,528 --> 00:47:57,630
tests done really for fun we'll make the

1041
00:47:55,498 --> 00:47:59,189
small part of a much broader but more

1042
00:47:57,630 --> 00:48:02,249
rigorous test that we will be conducting

1043
00:47:59,190 --> 00:48:04,769
a little bit later this year on the

1044
00:48:02,248 --> 00:48:06,748
premium wine cup again if you want a

1045
00:48:04,768 --> 00:48:09,238
good laugh go to the premium wine card

1046
00:48:06,748 --> 00:48:12,209
website and have a look at the videos

1047
00:48:09,239 --> 00:48:14,548
but maybe we've given you some ideas for

1048
00:48:12,210 --> 00:48:17,539
your own skeptics in the pub if you want

1049
00:48:14,548 --> 00:48:31,288
to hold informal test to test some

1050
00:48:17,539 --> 00:48:33,390
far-fetched claim our friends in

1051
00:48:31,289 --> 00:48:36,239
Canberra the Canberra skeptics want you

1052
00:48:33,389 --> 00:48:39,900
to know that this Wednesday night the

1053
00:48:36,239 --> 00:48:42,449
11th of march from 6pm til 730 p.m. at

1054
00:48:39,900 --> 00:48:46,170
the Aynsley football club you can enjoy

1055

00:48:42,449 --> 00:48:50,879
a free talk by dr. Vanessa beanland the

1056
00:48:46,170 --> 00:48:54,420
dark side of visual attention why do we

1057
00:48:50,880 --> 00:48:56,640
sometimes fail to notice the obvious

1058
00:48:54,420 --> 00:48:58,798
most people believe that what they see

1059
00:48:56,639 --> 00:49:01,259
is a faithful representation of what

1060
00:48:58,798 --> 00:49:03,329
actually exists in the world this notion

1061
00:49:01,259 --> 00:49:05,519
provides the rationale for giving

1062
00:49:03,329 --> 00:49:08,130
credibility to eyewitness accounts and

1063
00:49:05,518 --> 00:49:10,348
using human observers as much guards

1064
00:49:08,130 --> 00:49:14,579
research into visual attention however

1065
00:49:10,349 --> 00:49:17,880
has revealed that consistently seeing is

1066
00:49:14,579 --> 00:49:20,548
more complex than simply looking dinner

1067
00:49:17,880 --> 00:49:23,249
will follow the lecture by the way but

1068
00:49:20,548 --> 00:49:28,768
you need to RSVP for that look just head

1069
00:49:23,248 --> 00:49:31,338

for ww Canberra skeptics tau for more

1070

00:49:28,768 --> 00:49:31,338
information

1071

00:49:44,159 --> 00:49:48,129
thank you for listening to the skeptic

1072

00:49:46,659 --> 00:49:50,139
zone coming up in the next week's we've

1073

00:49:48,130 --> 00:49:52,030
got some more from my July bastyr more

1074

00:49:50,139 --> 00:49:54,039
from Heidi Robertson the raw skeptic and

1075

00:49:52,030 --> 00:49:55,930
maybe some more from you may not who

1076

00:49:54,039 --> 00:49:57,730
knows that's right in between I'm on

1077

00:49:55,929 --> 00:49:59,199
tour with Village People this i'm on

1078

00:49:57,730 --> 00:50:01,179
till wood village people so keep an eye

1079

00:49:59,199 --> 00:50:03,279
out for me in Wollongong and Penrith

1080

00:50:01,179 --> 00:50:05,649
around you around new south wales this

1081

00:50:03,280 --> 00:50:07,540
week Wollongong and Penner what were the

1082

00:50:05,650 --> 00:50:08,980
dates for the EO Wollongong Friday night

1083

00:50:07,539 --> 00:50:10,719
of course Wollongong and said their

1084
00:50:08,980 --> 00:50:12,849
night penrith see you there Village

1085
00:50:10,719 --> 00:50:14,859
People fans and remember it's not the

1086
00:50:12,849 --> 00:50:16,569
village people there are collective noun

1087
00:50:14,860 --> 00:50:18,640
there from people from the Greenwich

1088
00:50:16,570 --> 00:50:20,440
Village so they're just village people

1089
00:50:18,639 --> 00:50:23,619
you learn something every day even if

1090
00:50:20,440 --> 00:50:24,700
you don't want to well that's good i

1091
00:50:23,619 --> 00:50:27,190
hope you have a good time with that

1092
00:50:24,699 --> 00:50:28,389
Maynard and once again everybody thanks

1093
00:50:27,190 --> 00:50:30,130
for listening thanks for those people

1094
00:50:28,389 --> 00:50:32,920
who support the skeptic zone muchly

1095
00:50:30,130 --> 00:50:36,309
appreciated and until next week this is

1096
00:50:32,920 --> 00:50:37,990
Richard end Maynard saying it's not you

1097
00:50:36,309 --> 00:50:40,049
can't stop the music the name of the

1098
00:50:37,989 --> 00:50:44,079
movie is just can't stop the music

1099
00:50:40,050 --> 00:50:50,650
signing off from Sydney Australia I said

1100
00:50:44,079 --> 00:50:53,170
young man you've been listening to the

1101
00:50:50,650 --> 00:50:56,980
skeptics own podcast visit our website

1102
00:50:53,170 --> 00:51:00,309
at wwc a petting zoo TV for contacts an

1103
00:50:56,980 --> 00:51:03,460
archive of all episodes since 2008 and

1104
00:51:00,309 --> 00:51:05,500
our online store please support the

1105
00:51:03,460 --> 00:51:08,860
skeptic zone by following us on twitter

1106
00:51:05,500 --> 00:51:12,369
at skeptic zone liking us on facebook

1107
00:51:08,860 --> 00:51:13,900
and leaving a review on iTunes you can

1108
00:51:12,369 --> 00:51:17,710
also show your support by subscribing

1109
00:51:13,900 --> 00:51:20,769
via paypal for as little as 99 cents a

1110
00:51:17,710 --> 00:51:22,389
week the skeptic zone is an independent

1111
00:51:20,769 --> 00:51:24,820
production the views and opinions

1112

00:51:22,389 --> 00:51:26,920
expressed on the skeptic zone and not

1113
00:51:24,820 --> 00:51:32,130
necessarily those of Australian skeptics

1114
00:51:26,920 --> 00:51:32,130
or any other skeptical organization

1115
00:51:32,710 --> 00:51:34,740
Oh