

**The Skeptic Zone**  
**Show 333- 8 March 2015**



**Kirill Alferov**

1  
00:00:18,060 --> 00:00:09,100  
welcome to the skeptic zone the podcast

2  
00:00:18,070 --> 00:00:23,230  
Oh

3  
00:00:28,040 --> 00:00:26,060  
hello and welcome to the skeptic zone

4  
00:00:31,269 --> 00:00:28,050  
for the eighth of March 2015 Richard

5  
00:00:34,130 --> 00:00:31,279  
Saunders here this is episode number 333

6  
00:00:36,680 --> 00:00:34,140  
that's halfway to the Devils house may

7  
00:00:38,299 --> 00:00:36,690  
not hello may not how are you it's great

8  
00:00:40,490 --> 00:00:38,309  
to be here I'm just here having a drink

9  
00:00:42,200 --> 00:00:40,500  
waiting for Erich von Daniken to come on

10  
00:00:43,670 --> 00:00:42,210  
the telly and next time you coming over

11  
00:00:44,869 --> 00:00:43,680  
filming me don't try to do that while

12  
00:00:47,510 --> 00:00:44,879  
I'm watching my favorite aliens

13  
00:00:49,760 --> 00:00:47,520

documentary yes of those people who are

14

00:00:52,189 --> 00:00:49,770

the little clip we put up on the skeptic

15

00:00:54,350 --> 00:00:52,199

zones Facebook side it's a little clip

16

00:00:57,050 --> 00:00:54,360

of Maynard and I watching ancient aliens

17

00:00:58,340 --> 00:00:57,060

or some such show yeah he interrupted me

18

00:01:00,950 --> 00:00:58,350

I was getting very scared I was hiding

19

00:01:02,569 --> 00:01:00,960

behind a big thick medical book the

20

00:01:04,310 --> 00:01:02,579

things you see on the skeptic zones and

21

00:01:05,749 --> 00:01:04,320

the thing you hear the things you hear

22

00:01:08,570 --> 00:01:05,759

on the skipper zone coming up this week

23

00:01:12,290 --> 00:01:08,580

we have an interview with a guy from

24

00:01:13,820 --> 00:01:12,300

Moscow Kiril Alvaro from the Moscow

25

00:01:16,969 --> 00:01:13,830

skeptics he's going to be talking about

26

00:01:19,010 --> 00:01:16,979

a test he did his group did on Barnum

27

00:01:21,380 --> 00:01:19,020

statements and testing psychics and

28

00:01:24,350 --> 00:01:21,390

paranormal things in general have you

29

00:01:26,300 --> 00:01:24,360

ever been to Russia Moscow may not know

30

00:01:28,580 --> 00:01:26,310

I'm not allowed there for reasons

31

00:01:31,160 --> 00:01:28,590

basically due to the cold war I used to

32

00:01:32,480 --> 00:01:31,170

I was a u2 pilot we could go into all

33

00:01:34,730 --> 00:01:32,490

that stuff but I won't really it's

34

00:01:36,320 --> 00:01:34,740

basically like flying a large glider

35

00:01:38,540 --> 00:01:36,330

with an engine that's all you need to

36

00:01:40,130 --> 00:01:38,550

know about fly me you too and I even

37

00:01:42,020 --> 00:01:40,140

land it with my eyes shut I sure they

38

00:01:43,790 --> 00:01:42,030

have guys driving cars either side of it

39

00:01:46,730 --> 00:01:43,800

like I can land of you too with my eyes

40

00:01:48,590 --> 00:01:46,740

shut I believe you may not and thousands

41

00:01:50,029 --> 00:01:48,600

wouldn't but I believe you after that

42

00:01:52,609 --> 00:01:50,039

it's a week in science from the Royal

43

00:01:55,309 --> 00:01:52,619

Institution of Australia and then we

44

00:01:57,230 --> 00:01:55,319

head to skeptics in the pub to test they

45

00:02:00,589 --> 00:01:57,240

informally and with a lot of fun the

46

00:02:02,540 --> 00:02:00,599

premium wine card ah yes that's right

47

00:02:04,400 --> 00:02:02,550

just how many drinks does it take for a

48

00:02:08,300 --> 00:02:04,410

skeptic to go from a premium to a

49

00:02:09,770 --> 00:02:08,310

standard that's right it took a few as

50

00:02:13,400 --> 00:02:09,780

it turns out but you'll hear all about

51  
00:02:14,420 --> 00:02:13,410  
that a bit later on in the show and we

52  
00:02:15,530 --> 00:02:14,430  
just happen to be wet we just haven't

53  
00:02:17,660 --> 00:02:15,540  
watching television and the word

54  
00:02:20,120 --> 00:02:17,670  
drunkenness just came up on the screen

55  
00:02:22,640 --> 00:02:20,130  
with some photos it did it did I look

56  
00:02:24,830 --> 00:02:22,650  
it's amazing that's just crazy yes

57  
00:02:26,300 --> 00:02:24,840  
indeed and what else we got we've got a

58  
00:02:29,080 --> 00:02:26,310  
week in science from those two heavy

59  
00:02:30,309 --> 00:02:29,090  
drinkers in South Australia that's right

60  
00:02:32,559 --> 00:02:30,319  
that's about it for this week so we've

61  
00:02:35,650 --> 00:02:32,569  
got those three segments coming up and

62  
00:02:37,210 --> 00:02:35,660  
what may not it's nice to come back to

63  
00:02:38,710 --> 00:02:37,220

your place every now and then and gaze

64

00:02:42,100 --> 00:02:38,720

upon your wall because there's a picture

65

00:02:44,770 --> 00:02:42,110

up there of you on the the set of the

66

00:02:46,570 --> 00:02:44,780

enterprise as Captain Kirk or captain me

67

00:02:48,759 --> 00:02:46,580

neither I'm sitting in the captain's

68

00:02:50,410 --> 00:02:48,769

chair but the main reason which it likes

69

00:02:52,809 --> 00:02:50,420

coming is because he likes looking at my

70

00:02:55,479 --> 00:02:52,819

Bananarama poster isn't that how it is

71

00:02:57,490 --> 00:02:55,489

may noted and then of course well we're

72

00:02:58,750 --> 00:02:57,500

just saying on the show last week we

73

00:03:00,759 --> 00:02:58,760

were mentioning the fact that linen

74

00:03:02,319 --> 00:03:00,769

Nimoy passed away so it's good to come

75

00:03:04,000 --> 00:03:02,329

here and see a little bit of star trek

76

00:03:05,650 --> 00:03:04,010

around the place as well whenever people

77

00:03:07,479 --> 00:03:05,660

come to my place main are they say

78

00:03:11,350 --> 00:03:07,489

Maynard you're just a little bit of

79

00:03:13,390 --> 00:03:11,360

Shatner but he do thank you well we

80

00:03:15,009 --> 00:03:13,400

better get on with the show Maynard so

81

00:03:16,930 --> 00:03:15,019

while everybody's enjoying the show what

82

00:03:20,130 --> 00:03:16,940

should we run away and eat you should

83

00:03:23,199 --> 00:03:20,140

donate some halloumi that's pronounced

84

00:03:26,470 --> 00:03:23,209

halloumi well I may not and I run away

85

00:03:51,040 --> 00:03:26,480

and eat some how do me I hello we hope

86

00:03:57,320 --> 00:03:53,930

and now my friends I'm very happy to be

87

00:03:59,900 --> 00:03:57,330

on the line all the way to Moscow in

88

00:04:01,910 --> 00:03:59,910

Russia with somebody you know so well

89

00:04:04,160 --> 00:04:01,920

because you hear the air little

90

00:04:09,290 --> 00:04:04,170

promotion on the skeptic zone it's kill

91

00:04:11,690 --> 00:04:09,300

Alvaro from Russia hello hey what's up

92

00:04:14,090 --> 00:04:11,700

Richard hey you know what it was really

93

00:04:18,080 --> 00:04:14,100

great to meet you last year the amazing

94

00:04:19,910 --> 00:04:18,090

meeting oh yeah absolutely absolutely I

95

00:04:22,460 --> 00:04:19,920

was also very happy to meet everybody

96

00:04:23,720 --> 00:04:22,470

and makes you and I remember you and I

97

00:04:27,460 --> 00:04:23,730

were actually sitting at one of the

98

00:04:30,920 --> 00:04:27,470

tables doing stuff doing our blogs if so

99

00:04:33,650 --> 00:04:30,930

it was very uniting like here are the

100

00:04:36,020 --> 00:04:33,660

actual skeptical activists come to town

101  
00:04:39,020 --> 00:04:36,030  
and then they're sitting at and you know

102  
00:04:41,120 --> 00:04:39,030  
working on their blogs it was wow i

103  
00:04:43,160 --> 00:04:41,130  
think i think you're right i think i was

104  
00:04:44,840 --> 00:04:43,170  
trying to update something probably on

105  
00:04:46,760 --> 00:04:44,850  
the skeptic zone and you were working on

106  
00:04:49,460 --> 00:04:46,770  
something side by side on our laptops

107  
00:04:51,770 --> 00:04:49,470  
and you're absolutely right it was and

108  
00:04:53,510 --> 00:04:51,780  
it goes to demonstrate that this is what

109  
00:04:55,850 --> 00:04:53,520  
we actually do even if we're at a

110  
00:04:58,850 --> 00:04:55,860  
convention we have to stop and keep

111  
00:05:01,040 --> 00:04:58,860  
doing this sort of thing yeah yeah

112  
00:05:03,170 --> 00:05:01,050  
exactly actually I thought I think we

113  
00:05:05,930 --> 00:05:03,180

spoke like a year ago I think about

114

00:05:09,370 --> 00:05:05,940

daytime yeah how does my voice sound

115

00:05:11,990 --> 00:05:09,380

I've actually I had a cold last week and

116

00:05:14,630 --> 00:05:12,000

when you have a cold usually your voice

117

00:05:17,450 --> 00:05:14,640

becomes lower and in general my voice

118

00:05:19,010 --> 00:05:17,460

becomes deeper with time and it has got

119

00:05:23,090 --> 00:05:19,020

something to do with my skeptical

120

00:05:25,730 --> 00:05:23,100

activism so I'll explain so here's what

121

00:05:27,890 --> 00:05:25,740

happens you know you have you know that

122

00:05:30,490 --> 00:05:27,900

each country has their own like

123

00:05:33,230 --> 00:05:30,500

pseudo-scientific channels yeah that air

124

00:05:35,240 --> 00:05:33,240

pseudo-scientific documentaries okay and

125

00:05:37,040 --> 00:05:35,250

the nerve the narrator of those

126

00:05:39,320 --> 00:05:37,050

documentaries will very often have a

127

00:05:42,080 --> 00:05:39,330

very deep voice and they will say

128

00:05:44,390 --> 00:05:42,090

something like and then mr. Smith saw

129

00:05:46,370 --> 00:05:44,400

some lights he'll sure that this is

130

00:05:48,380 --> 00:05:46,380

actually a saucer

131

00:05:49,430 --> 00:05:48,390

he didn't have oh no no and that they

132

00:05:51,410 --> 00:05:49,440

would say something like this like and

133

00:05:53,390 --> 00:05:51,420

then he made it he made a very good

134

00:05:58,330 --> 00:05:53,400

video but then he got into a bar fight

135

00:06:00,950 --> 00:05:58,340

and they broke his camera so and so

136

00:06:03,920 --> 00:06:00,960

because you're you're you're often

137

00:06:05,870 --> 00:06:03,930

trying to go into that voice you become

138

00:06:07,850 --> 00:06:05,880

better at it and better and better and

139

00:06:11,780 --> 00:06:07,860

then you find yourself talking like the

140

00:06:14,720 --> 00:06:11,790

I know commander Worf so I think well

141

00:06:16,850 --> 00:06:14,730

Carol I think it's suiting you very well

142

00:06:19,640 --> 00:06:16,860

at the moment I'm I can see a new career

143

00:06:22,580 --> 00:06:19,650

for you doing voice-overs for for

144

00:06:25,270 --> 00:06:22,590

documentaries but it was it is good to

145

00:06:28,310 --> 00:06:25,280

catch up with you too because I know I'm

146

00:06:30,470 --> 00:06:28,320

you're very active of course in in

147

00:06:32,360 --> 00:06:30,480

Russia and The Skeptical movement what

148

00:06:36,650 --> 00:06:32,370

what's new in The Skeptical movement in

149

00:06:40,130 --> 00:06:36,660

motion right so this is a very good

150

00:06:41,630 --> 00:06:40,140

question and there are like okay so like

151  
00:06:44,750 --> 00:06:41,640  
there are good news and there are bad

152  
00:06:48,020 --> 00:06:44,760  
news the good news is that we did a lot

153  
00:06:50,750 --> 00:06:48,030  
of things we ran the first skeptic

154  
00:06:53,180 --> 00:06:50,760  
conference in Russia and it was crazy

155  
00:06:56,870 --> 00:06:53,190  
and it went much better than I thought

156  
00:07:00,100 --> 00:06:56,880  
it would so that's good to you yes and

157  
00:07:03,080 --> 00:07:00,110  
when he when you organize things like

158  
00:07:05,390 --> 00:07:03,090  
technology is important like will will

159  
00:07:06,770 --> 00:07:05,400  
the sound be recorded well and we

160  
00:07:08,660 --> 00:07:06,780  
actually had people come over from

161  
00:07:10,940 --> 00:07:08,670  
another city there was a guy with

162  
00:07:12,890 --> 00:07:10,950  
cameras who recorded it from several

163  
00:07:15,020 --> 00:07:12,900

vanished poems and I had all my

164

00:07:17,450 --> 00:07:15,030

equipment sound equipment brought in and

165

00:07:21,050 --> 00:07:17,460

there was not a single technical problem

166

00:07:22,700 --> 00:07:21,060

which was fascinating Wow yeah so you

167

00:07:24,920 --> 00:07:22,710

know I did I did do like musical

168

00:07:26,540 --> 00:07:24,930

performances before in my life so I sort

169

00:07:28,190 --> 00:07:26,550

of knew like you have to bring all the

170

00:07:29,720 --> 00:07:28,200

cables and all that stuff so I had

171

00:07:32,570 --> 00:07:29,730

everything with me and it worked fine

172

00:07:34,340 --> 00:07:32,580

and more people showed up than we

173

00:07:36,350 --> 00:07:34,350

expected there were like about 250

174

00:07:38,360 --> 00:07:36,360

people you really thought it would be

175

00:07:41,150 --> 00:07:38,370

good if 70 people come that was like

176  
00:07:42,740 --> 00:07:41,160  
twenty fifth 250 people although many of

177  
00:07:44,630 --> 00:07:42,750  
them did not know what skeptics society

178  
00:07:47,840 --> 00:07:44,640  
is they didn't know did not know me but

179  
00:07:49,400 --> 00:07:47,850  
right every now and then so we were

180  
00:07:51,560 --> 00:07:49,410  
selling merchandise there will they

181  
00:07:53,780 --> 00:07:51,570  
printed some merchandise like bags that

182  
00:07:56,659 --> 00:07:53,790  
said this bag is like full of skepticism

183  
00:07:59,850 --> 00:07:56,669  
and stuff like that and it was very

184  
00:08:01,980 --> 00:07:59,860  
rewarding too I think last week see some

185  
00:08:04,409 --> 00:08:01,990  
one on a lecture dedicated to science

186  
00:08:08,459 --> 00:08:04,419  
you know like popular science lecture

187  
00:08:13,499 --> 00:08:08,469  
see somebody with the bag like wow these

188  
00:08:15,209 --> 00:08:13,509

people actually exist so and also I

189

00:08:18,179 --> 00:08:15,219

spent a lot of my private money

190

00:08:20,429 --> 00:08:18,189

obviously for this and we were able to

191

00:08:23,610 --> 00:08:20,439

get back more than half of it which was

192

00:08:25,589 --> 00:08:23,620

also very very touching that people

193

00:08:28,020 --> 00:08:25,599

actually donated a lot in general

194

00:08:29,640 --> 00:08:28,030

because oh yeah hey well it sounds to me

195

00:08:33,120 --> 00:08:29,650

like there's a real interest in that

196

00:08:39,060 --> 00:08:33,130

part of the world yeah so now the bad

197

00:08:40,769 --> 00:08:39,070

thing it's it's sort of so I made a you

198

00:08:42,300 --> 00:08:40,779

know like sort of a video for everybody

199

00:08:44,699 --> 00:08:42,310

that you know what we have to make

200

00:08:46,800 --> 00:08:44,709

moreover own original material and this

201  
00:08:49,710 --> 00:08:46,810  
is something that is developing very

202  
00:08:53,250 --> 00:08:49,720  
very slowly so people are in general

203  
00:08:54,960 --> 00:08:53,260  
very ready to translate material the

204  
00:08:58,440 --> 00:08:54,970  
Western material you know documentaries

205  
00:08:59,880 --> 00:08:58,450  
and stuff yeah very people actually do

206  
00:09:01,250 --> 00:08:59,890  
something on their own which are

207  
00:09:03,870 --> 00:09:01,260  
considered to be a problem because

208  
00:09:07,259 --> 00:09:03,880  
whenever you're translating someone's

209  
00:09:09,240 --> 00:09:07,269  
material you are not an investigator and

210  
00:09:10,889 --> 00:09:09,250  
whenever you're trying to when you try

211  
00:09:12,870 --> 00:09:10,899  
to investigate something yourself you

212  
00:09:16,470 --> 00:09:12,880  
yourself become a better skeptic a

213  
00:09:18,030 --> 00:09:16,480

better activist a better scientist if

214

00:09:19,530 --> 00:09:18,040

you learn things that you will not learn

215

00:09:22,319 --> 00:09:19,540

when you're just translating stuff and

216

00:09:25,560 --> 00:09:22,329

so I know from my own experience that

217

00:09:28,949 --> 00:09:25,570

making making your own investigations

218

00:09:31,980 --> 00:09:28,959

it's simply it's insanely important you

219

00:09:34,530 --> 00:09:31,990

just become a better investigator oo it

220

00:09:36,240 --> 00:09:34,540

yeah and so before you know before we

221

00:09:38,550 --> 00:09:36,250

get to the experiments that we're going

222

00:09:41,040 --> 00:09:38,560

to talk about yeah I want just to say

223

00:09:45,360 --> 00:09:41,050

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

224

00:09:47,519 --> 00:09:45,370

be able to to chime in in a workshop or

225

00:09:50,220 --> 00:09:47,529

something at tam this year and tell

226

00:09:53,850 --> 00:09:50,230

about the gulag eena meena clogging of

227

00:09:55,800 --> 00:09:53,860

the telekinesis woman that was prominent

228

00:09:57,990 --> 00:09:55,810

in the Soviet era and that many people

229

00:10:00,420 --> 00:09:58,000

around the world no doubt oh yeah very

230

00:10:02,880 --> 00:10:00,430

favorite yes yes yes and we believe that

231

00:10:05,880 --> 00:10:02,890

we nailed her we believe that we found

232

00:10:09,569 --> 00:10:05,890

some first of all there was a very

233

00:10:11,610 --> 00:10:09,579

realistic method suggested and we found

234

00:10:13,350 --> 00:10:11,620

some evidence that this is the way she

235

00:10:16,199 --> 00:10:13,360

was doing this exactly

236

00:10:18,030 --> 00:10:16,209

and we also put up a questionnaire that

237

00:10:19,740 --> 00:10:18,040

answers each and every one of the

238

00:10:23,910 --> 00:10:19,750

arguments that were put forward and

239

00:10:26,160 --> 00:10:23,920

among the you know small but active

240

00:10:29,009 --> 00:10:26,170

skeptical circles it is considered that

241

00:10:31,530 --> 00:10:29,019

we the skeptics society have actually

242

00:10:34,019 --> 00:10:31,540

closed the the you know the topic of

243

00:10:36,090 --> 00:10:34,029

nina kulagina and many of the things can

244

00:10:38,759 --> 00:10:36,100

now be put to rest because simply this

245

00:10:41,579 --> 00:10:38,769

is the best theory that we have right

246

00:10:43,769 --> 00:10:41,589

now how she did it exactly so but you

247

00:10:46,910 --> 00:10:43,779

know that's for later well I'm sure

248

00:10:49,319 --> 00:10:46,920

James Randi will be very interested in

249

00:10:51,120 --> 00:10:49,329

talking to you about that but just

250

00:10:53,420 --> 00:10:51,130

getting back to experiments you know

251  
00:10:55,560 --> 00:10:53,430  
this is something very important is and

252  
00:10:58,319 --> 00:10:55,570  
skeptics our listeners after this

253  
00:11:00,509 --> 00:10:58,329  
interview will be hearing about an

254  
00:11:03,150 --> 00:11:00,519  
informal experiment we did in Sydney it

255  
00:11:06,170 --> 00:11:03,160  
skeptics in the pub with the the premium

256  
00:11:08,880 --> 00:11:06,180  
wine card but putting together

257  
00:11:11,400 --> 00:11:08,890  
experiments testing psychics is a very

258  
00:11:14,340 --> 00:11:11,410  
important aspect of what skepticism was

259  
00:11:16,110 --> 00:11:14,350  
all about but I understand that you've

260  
00:11:20,819 --> 00:11:16,120  
you've had some interesting experiences

261  
00:11:23,189 --> 00:11:20,829  
doing that yourself yeah so let me start

262  
00:11:27,990 --> 00:11:23,199  
off with the Barnum effect let me try to

263  
00:11:30,780 --> 00:11:28,000

reproduce like what two weeks ago so we

264

00:11:33,720 --> 00:11:30,790

tried to do the classical test when able

265

00:11:36,449 --> 00:11:33,730

to take some sort of a psychological

266

00:11:38,670 --> 00:11:36,459

analysis and I think I took one from you

267

00:11:41,069 --> 00:11:38,680

I think you lent me the text you are

268

00:11:43,319 --> 00:11:41,079

using typically for this I did I did I

269

00:11:47,310 --> 00:11:43,329

remember that well but and you'll be

270

00:11:50,370 --> 00:11:47,320

interested to know that I years ago now

271

00:11:52,650 --> 00:11:50,380

I asked Randy James Randi and he sent me

272

00:11:56,310 --> 00:11:52,660

that I tweaked it a little bit for

273

00:11:58,860 --> 00:11:56,320

Australia and now now you're using a

274

00:12:01,110 --> 00:11:58,870

version of it yes and we Alec we also

275

00:12:02,579 --> 00:12:01,120

tweaked it I tweaked it to sound less

276

00:12:04,380 --> 00:12:02,589

like astrology and more like

277

00:12:06,660 --> 00:12:04,390

psychological analysis so that's more

278

00:12:09,120 --> 00:12:06,670

believable because the people that we

279

00:12:11,220 --> 00:12:09,130

would go to and the people that would

280

00:12:13,980 --> 00:12:11,230

definitely be in the space that we have

281

00:12:16,050 --> 00:12:13,990

skeptic meanings that would probably not

282

00:12:18,180 --> 00:12:16,060

be into astrology most people would not

283

00:12:20,280 --> 00:12:18,190

be there I just knew that this is the

284

00:12:21,870 --> 00:12:20,290

type of public there so it we said that

285

00:12:23,400 --> 00:12:21,880

we're going to run a psychological

286

00:12:26,069 --> 00:12:23,410

experiment and then we didn't give in

287

00:12:27,180 --> 00:12:26,079

details and so we had two groups of

288

00:12:30,930 --> 00:12:27,190

people unfortunately

289

00:12:33,690 --> 00:12:30,940

there wasn't a lot of them so and I

290

00:12:35,220 --> 00:12:33,700

actually went for you know like for the

291

00:12:40,650 --> 00:12:35,230

type of the experiment that Derren Brown

292

00:12:42,600 --> 00:12:40,660

has in his trick of the mind yeah I

293

00:12:44,520 --> 00:12:42,610

think it was something that yeah so he

294

00:12:46,290 --> 00:12:44,530

has like several groups of people like

295

00:12:48,810 --> 00:12:46,300

five and six people and it worked fine

296

00:12:51,000 --> 00:12:48,820

so I decided that it's probably easier

297

00:12:53,460 --> 00:12:51,010

to go for that one and so the first

298

00:12:57,510 --> 00:12:53,470

group of people was like five people and

299

00:13:00,030 --> 00:12:57,520

we got we you know we gave them the

300

00:13:04,320 --> 00:13:00,040

envelopes they would have to do like

301  
00:13:06,360 --> 00:13:04,330  
they had to take a pencil and draw their

302  
00:13:09,060 --> 00:13:06,370  
hand well you know draw the silhouette

303  
00:13:10,920 --> 00:13:09,070  
of their hand the shape of their hand on

304  
00:13:13,410 --> 00:13:10,930  
the paper then they have to write down

305  
00:13:16,080 --> 00:13:13,420  
their birth date if they knew the time

306  
00:13:18,510 --> 00:13:16,090  
of their birth that would help and yes

307  
00:13:20,310 --> 00:13:18,520  
and I guess that's it some like that and

308  
00:13:22,470 --> 00:13:20,320  
then we said that we're going to give

309  
00:13:25,680 --> 00:13:22,480  
the psychological analysis and then they

310  
00:13:28,650 --> 00:13:25,690  
waited for like 30 minutes and we put in

311  
00:13:30,420 --> 00:13:28,660  
actually hand written text and this was

312  
00:13:32,220 --> 00:13:30,430  
important because I thought that this

313  
00:13:35,130 --> 00:13:32,230

would be realistic we have no printer

314

00:13:36,870 --> 00:13:35,140

here so we have actual written text

315

00:13:41,010 --> 00:13:36,880

given to them interesting and the first

316

00:13:44,550 --> 00:13:41,020

yeah and so the first group gave the

317

00:13:45,600 --> 00:13:44,560

following the following percentages and

318

00:13:49,110 --> 00:13:45,610

we asked them to read it a hundred

319

00:13:50,580 --> 00:13:49,120

percent absolutely accurate 0% nothing

320

00:13:52,590 --> 00:13:50,590

yeah and the percentages were such

321

00:13:56,160 --> 00:13:52,600

eighty percent thirty percent fifty

322

00:13:57,990 --> 00:13:56,170

percent zero percent in 25 now the

323

00:13:59,820 --> 00:13:58,000

person who put zero said that she knew

324

00:14:01,710 --> 00:13:59,830

would Barnum effect is and she kept

325

00:14:05,670 --> 00:14:01,720

laughing when she was reading her text

326

00:14:07,320 --> 00:14:05,680

and so yes and it is possible that she

327

00:14:10,710 --> 00:14:07,330

told it to the rest of the group because

328

00:14:12,810 --> 00:14:10,720

they seemed informed oh but and so yeah

329

00:14:15,329 --> 00:14:12,820

but at the other hand there was one girl

330

00:14:17,700 --> 00:14:15,339

that put eighty percent and in the end

331

00:14:20,010 --> 00:14:17,710

she said yes but this is actually right

332

00:14:22,590 --> 00:14:20,020

about my profession here it's like about

333

00:14:24,240 --> 00:14:22,600

my job and and I thought and later on

334

00:14:26,550 --> 00:14:24,250

when they you know when they left I said

335

00:14:28,920 --> 00:14:26,560

remember that girl that was the Barnum

336

00:14:31,140 --> 00:14:28,930

effect that was the Barnum effect in

337

00:14:35,040 --> 00:14:31,150

action and and if we had more people

338

00:14:38,100 --> 00:14:35,050

like her so I think one person bought it

339

00:14:39,900 --> 00:14:38,110

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

340

00:14:40,620 --> 00:14:39,910

had a second group two people from that

341

00:14:44,490 --> 00:14:40,630

group you

342

00:14:46,680 --> 00:14:44,500

Barnum effect was in the beginning there

343

00:14:48,840 --> 00:14:46,690

were two people who did not know about

344

00:14:50,700 --> 00:14:48,850

the Barnum effect but one of them said

345

00:14:54,210 --> 00:14:50,710

that they believed the text was too

346

00:14:58,920 --> 00:14:54,220

abstract so so she noticed its abstract

347

00:15:01,110 --> 00:14:58,930

the other guy put ninety percent so but

348

00:15:03,330 --> 00:15:01,120

the second group was that oh the girl

349

00:15:05,280 --> 00:15:03,340

who said that the taxes too abstract was

350

00:15:10,380 --> 00:15:05,290

the first month ago the first one to

351

00:15:11,760 --> 00:15:10,390

give a her opinion yeah and and so I

352

00:15:14,850 --> 00:15:11,770

believe that that could have affected

353

00:15:17,220 --> 00:15:14,860

how other people view the results and so

354

00:15:19,680 --> 00:15:17,230

that showed to us that it's very

355

00:15:22,050 --> 00:15:19,690

difficult to reproduce experiments that

356

00:15:24,720 --> 00:15:22,060

there are many subtle details that you

357

00:15:27,030 --> 00:15:24,730

have to be aware of for example should

358

00:15:30,150 --> 00:15:27,040

they give their responses in private or

359

00:15:31,770 --> 00:15:30,160

out loud Randy did it out loud some

360

00:15:34,200 --> 00:15:31,780

people do it in private like you have to

361

00:15:36,390 --> 00:15:34,210

write it down and they read it some

362

00:15:38,220 --> 00:15:36,400

people given a reuse like Darren browned

363

00:15:41,250 --> 00:15:38,230

and there are many other ways to do this

364

00:15:43,440 --> 00:15:41,260

experiment so this is a decision but

365

00:15:45,450 --> 00:15:43,450

there was another very interesting thing

366

00:15:47,820 --> 00:15:45,460

and later on when I did research I found

367

00:15:52,140 --> 00:15:47,830

that we were obviously not the first one

368

00:15:54,900 --> 00:15:52,150

wants to come up with this so one of our

369

00:15:57,810 --> 00:15:54,910

skeptic skeptics who were core regularly

370

00:16:00,060 --> 00:15:57,820

on the meanings as this so during the

371

00:16:02,480 --> 00:16:00,070

experiment we're asking the participants

372

00:16:06,810 --> 00:16:02,490

to rate the accuracy of the description

373

00:16:08,190 --> 00:16:06,820

but when we asked that how do you know

374

00:16:10,680 --> 00:16:08,200

that they're giving us eighty percent

375

00:16:13,710 --> 00:16:10,690

that they mean that the accuracy only

376

00:16:16,470 --> 00:16:13,720

towards them and not accuracy in general

377

00:16:18,750 --> 00:16:16,480

as well so if we try to differentiate

378

00:16:21,960 --> 00:16:18,760

these things then we are sort of giving

379

00:16:23,370 --> 00:16:21,970

the trick away and if we're not then how

380

00:16:25,140 --> 00:16:23,380

do we know that this is what they mean

381

00:16:28,650 --> 00:16:25,150

well you raised some very interesting

382

00:16:31,110 --> 00:16:28,660

points there about testing claims in

383

00:16:33,330 --> 00:16:31,120

general when trying to recreate test so

384

00:16:34,500 --> 00:16:33,340

come up with new tests and I've

385

00:16:36,240 --> 00:16:34,510

certainly learned this from experience

386

00:16:38,100 --> 00:16:36,250

at the Australian skeptics and with the

387

00:16:40,290 --> 00:16:38,110

James Randi Educational Foundation as

388

00:16:44,190 --> 00:16:40,300

I'm on the the million dollar challenge

389

00:16:48,750 --> 00:16:44,200

community there it's not easy it is not

390

00:16:51,000 --> 00:16:48,760

easy is it yeah and we had we had also

391

00:16:52,870 --> 00:16:51,010

people come to us and say okay so we

392

00:16:56,560 --> 00:16:52,880

have a psychic that we know

393

00:16:58,330 --> 00:16:56,570

and say she moves objects on on the

394

00:17:01,000 --> 00:16:58,340

water so you know like you have a plate

395

00:17:03,970 --> 00:17:01,010

of water and then they put some very

396

00:17:05,710 --> 00:17:03,980

light object there and then the cycle

397

00:17:07,930 --> 00:17:05,720

concentrates and the object moves

398

00:17:10,540 --> 00:17:07,940

towards the edge of the plate so this is

399

00:17:12,189 --> 00:17:10,550

what typically happens right and and so

400

00:17:14,380 --> 00:17:12,199

they say we want to repeat the

401  
00:17:16,990 --> 00:17:14,390  
experiment but with proper controls and

402  
00:17:19,750 --> 00:17:17,000  
you start to you know to think of the

403  
00:17:23,170 --> 00:17:19,760  
correct protocol and it's not easy it's

404  
00:17:25,240 --> 00:17:23,180  
not easy at all because then you realize

405  
00:17:27,670 --> 00:17:25,250  
how many variables you have to exclude

406  
00:17:31,300 --> 00:17:27,680  
you realize how difficult it is to

407  
00:17:34,330 --> 00:17:31,310  
formalize the experience at all and very

408  
00:17:37,570 --> 00:17:34,340  
often you realize that about eighty

409  
00:17:39,640 --> 00:17:37,580  
percent of those claims are not even

410  
00:17:44,200 --> 00:17:39,650  
impressive because of that because

411  
00:17:46,480 --> 00:17:44,210  
they're simply not formalized like what

412  
00:17:47,980 --> 00:17:46,490  
exactly does she do does she move the

413  
00:17:49,360 --> 00:17:47,990

object on the water and they can't

414

00:17:52,030 --> 00:17:49,370

answer that question they can't answer

415

00:17:53,230 --> 00:17:52,040

what the expected result is well that's

416

00:17:55,630 --> 00:17:53,240

very interesting you should say that

417

00:17:57,370 --> 00:17:55,640

because for the Australian skeptics at

418

00:18:00,400 --> 00:17:57,380

least we have three questions we ask

419

00:18:04,660 --> 00:18:00,410

people when they're applying the first

420

00:18:08,500 --> 00:18:04,670

question is can you tell us clearly and

421

00:18:11,500 --> 00:18:08,510

simply what your claim is and a lot of

422

00:18:13,270 --> 00:18:11,510

people can't do that they cannot tell us

423

00:18:17,110 --> 00:18:13,280

what they're cleaning and the next

424

00:18:19,030 --> 00:18:17,120

question is to what degree of accuracy

425

00:18:20,680 --> 00:18:19,040

do you expect when you do your claim

426

00:18:23,430 --> 00:18:20,690

again a lot of people can't answer that

427

00:18:28,630 --> 00:18:23,440

question either then so a lot of times

428

00:18:30,550 --> 00:18:28,640

we don't test people and some leads some

429

00:18:32,260 --> 00:18:30,560

people to say to us well why don't you

430

00:18:35,640 --> 00:18:32,270

skeptics test this person or that person

431

00:18:38,680 --> 00:18:35,650

and all we can say is well we can try

432

00:18:42,940 --> 00:18:38,690

but often we can't even get the first

433

00:18:44,650 --> 00:18:42,950

the first base with them yeah I think

434

00:18:47,650 --> 00:18:44,660

that many of them don't even understand

435

00:18:49,690 --> 00:18:47,660

the problem like here I can do this but

436

00:18:51,660 --> 00:18:49,700

what is it what is the expected result

437

00:18:56,230 --> 00:18:51,670

for example if you're showing us

438

00:18:58,930 --> 00:18:56,240

telekinesis are you argue what are you

439

00:19:00,910 --> 00:18:58,940

dragging the object towards you or what

440

00:19:02,080 --> 00:19:00,920

or if we put several objects what will

441

00:19:04,130 --> 00:19:02,090

happen and they can't answer the

442

00:19:06,200 --> 00:19:04,140

question okay what are we testing

443

00:19:08,960 --> 00:19:06,210

and they can't answer this they're like

444

00:19:13,190 --> 00:19:08,970

come on you're you're you're trying to

445

00:19:17,270 --> 00:19:13,200

be too formal no but it's very difficult

446

00:19:19,400 --> 00:19:17,280

to explain and we were contacted by a

447

00:19:23,570 --> 00:19:19,410

person who says that he is a physicist

448

00:19:24,860 --> 00:19:23,580

and I'm like right so you're a physicist

449

00:19:27,320 --> 00:19:24,870

and you don't know what a control

450

00:19:29,060 --> 00:19:27,330

experiment is well I think that it's

451

00:19:31,340 --> 00:19:29,070

possible you can't be a physicist and

452

00:19:34,280 --> 00:19:31,350

not really think about it much because

453

00:19:37,640 --> 00:19:34,290

there are certainly spheres of physics

454

00:19:40,610 --> 00:19:37,650

where you know they probably I mean a

455

00:19:43,640 --> 00:19:40,620

lot of scientists do not have to be

456

00:19:46,190 --> 00:19:43,650

active skeptics to do their experiments

457

00:19:47,870 --> 00:19:46,200

because they have these rules embedded

458

00:19:50,390 --> 00:19:47,880

in their profession this is how things

459

00:19:53,990 --> 00:19:50,400

are done yeah but why things are done

460

00:19:55,490 --> 00:19:54,000

that way not all of them can answer it's

461

00:19:58,960 --> 00:19:55,500

you again you bring up a very

462

00:20:01,190 --> 00:19:58,970

interesting point and I'm surprised when

463

00:20:03,910 --> 00:20:01,200

people who regard themselves as

464

00:20:06,260 --> 00:20:03,920

scientists or work in scientific fields

465

00:20:09,400 --> 00:20:06,270

seem to lack a certain basic

466

00:20:12,410 --> 00:20:09,410

understanding of the scientific method I

467

00:20:13,730 --> 00:20:12,420

always find that amusing and surprising

468

00:20:17,030 --> 00:20:13,740

and a little disappointing at the same

469

00:20:18,620 --> 00:20:17,040

time but it's it's interesting to find

470

00:20:20,360 --> 00:20:18,630

out that you have exactly the same

471

00:20:22,160 --> 00:20:20,370

problems all the way over there in

472

00:20:24,290 --> 00:20:22,170

Russia that we have in Australia and

473

00:20:27,950 --> 00:20:24,300

we've seen in the United States and

474

00:20:29,840 --> 00:20:27,960

other countries it's it's universal yeah

475

00:20:32,600 --> 00:20:29,850

yeah I guess it's because we all have

476

00:20:37,190 --> 00:20:32,610

brains that's the boy that's the

477

00:20:39,680 --> 00:20:37,200

denominator so yeah so I think that our

478

00:20:43,070 --> 00:20:39,690

brains think in a very similar way all

479

00:20:45,290 --> 00:20:43,080

of us and and it's stuff it's

480

00:20:48,080 --> 00:20:45,300

interesting though it's very because I

481

00:20:50,600 --> 00:20:48,090

mean that meeting where we did the

482

00:20:52,760 --> 00:20:50,610

Barnum effect it felt really special

483

00:20:55,880 --> 00:20:52,770

because we actually tried to do this and

484

00:20:57,770 --> 00:20:55,890

people were talking about it and you

485

00:21:00,830 --> 00:20:57,780

know we prepared all the stuff we made

486

00:21:02,570 --> 00:21:00,840

the envelopes we had the text we had the

487

00:21:03,740 --> 00:21:02,580

procedure and also you know the

488

00:21:05,660 --> 00:21:03,750

important thing about Barnum effect

489

00:21:08,600 --> 00:21:05,670

experiment by the way was to be very

490

00:21:12,080 --> 00:21:08,610

serious about it yeah like to to convey

491

00:21:13,820 --> 00:21:12,090

the you know a seriousness dedication

492

00:21:15,620 --> 00:21:13,830

that this is not a joke that this is you

493

00:21:17,250 --> 00:21:15,630

know as I was very formal like okay

494

00:21:19,320 --> 00:21:17,260

please everybody sit down

495

00:21:21,300 --> 00:21:19,330

please open your envelopes you know that

496

00:21:23,580 --> 00:21:21,310

kind of stuff and it felt as if it was

497

00:21:25,770 --> 00:21:23,590

very serious it like real experiment I

498

00:21:29,340 --> 00:21:25,780

think that's absolutely the right

499

00:21:32,040 --> 00:21:29,350

attitude to have you should be serious

500

00:21:33,450 --> 00:21:32,050

about it if you're doing a serious test

501  
00:21:36,330 --> 00:21:33,460  
me really looking for something that's

502  
00:21:40,170 --> 00:21:36,340  
the right way to do it the other way to

503  
00:21:41,700 --> 00:21:40,180  
do it which we did in the pub and which

504  
00:21:44,460 --> 00:21:41,710  
is coming up a bit later on in this

505  
00:21:46,230 --> 00:21:44,470  
episode of the skeptic zone was not to

506  
00:21:49,380 --> 00:21:46,240  
have a formal test but to have a test

507  
00:21:51,270 --> 00:21:49,390  
more for interest for people to see that

508  
00:21:53,700 --> 00:21:51,280  
we do test things and have a bit of a

509  
00:21:57,180 --> 00:21:53,710  
laugh and have some fun and then we all

510  
00:21:59,760 --> 00:21:57,190  
had a good time and that informal test

511  
00:22:02,700 --> 00:21:59,770  
will make a small part of the larger

512  
00:22:03,960 --> 00:22:02,710  
more rigorous formal test where we will

513  
00:22:06,240 --> 00:22:03,970

be very serious and make sure

514

00:22:08,910 --> 00:22:06,250

everything's done absolutely correctly

515

00:22:12,750 --> 00:22:08,920

but I really enjoy it I really enjoy

516

00:22:15,960 --> 00:22:12,760

testing water diviners I enjoy listening

517

00:22:17,430 --> 00:22:15,970

to psychics when they're trying to talk

518

00:22:19,440 --> 00:22:17,440

with the dead and analyzing what they're

519

00:22:23,010 --> 00:22:19,450

doing I I think it's one of the more

520

00:22:25,470 --> 00:22:23,020

interesting aspects of what we do yeah

521

00:22:27,660 --> 00:22:25,480

yeah I agree I and I wish that we would

522

00:22:31,530 --> 00:22:27,670

have more people coming in to you know

523

00:22:33,810 --> 00:22:31,540

to test but so far it has been but it's

524

00:22:37,110 --> 00:22:33,820

I mean it doesn't happen in a day anyway

525

00:22:39,330 --> 00:22:37,120

so when we become unknown than probably

526

00:22:41,460 --> 00:22:39,340

this is what's going to happen it may

527

00:22:43,680 --> 00:22:41,470

well do although I'd probably have to

528

00:22:44,850 --> 00:22:43,690

tell you that from my experience with

529

00:22:47,760 --> 00:22:44,860

the skeptics in the James Randi

530

00:22:51,450 --> 00:22:47,770

Educational Foundation it's surprising

531

00:22:53,040 --> 00:22:51,460

how many people won't come and put their

532

00:22:55,560 --> 00:22:53,050

name forward to be tested they just

533

00:22:59,280 --> 00:22:55,570

won't do it even though there's lots of

534

00:23:01,760 --> 00:22:59,290

money as a prize a lot of people simply

535

00:23:04,710 --> 00:23:01,770

won't do it or again a lot of people

536

00:23:07,500 --> 00:23:04,720

can't tell us exactly what their claim

537

00:23:09,900 --> 00:23:07,510

is anyway so it doesn't go very far but

538

00:23:13,230 --> 00:23:09,910

every now and then we do get some people

539

00:23:19,830 --> 00:23:13,240

I do do you have anybody seriously in in

540

00:23:21,720 --> 00:23:19,840

in Russia who might be tested well like

541

00:23:23,700 --> 00:23:21,730

I said last time things haven't changed

542

00:23:26,190 --> 00:23:23,710

the internet and stuff like that we

543

00:23:30,840 --> 00:23:26,200

don't have big names anymore and I think

544

00:23:34,580 --> 00:23:30,850

that it is it becomes true 44 / world

545

00:23:37,440 --> 00:23:34,590

that big names are slowly going down

546

00:23:38,820 --> 00:23:37,450

whereas we have many local but we have

547

00:23:41,520 --> 00:23:38,830

many local people who are for example

548

00:23:44,190 --> 00:23:41,530

eating prana do you know the product

549

00:23:48,000 --> 00:23:44,200

eaters people who claim that they're not

550

00:23:52,620 --> 00:23:48,010

eating actual food and right so they're

551  
00:23:55,050 --> 00:23:52,630  
being prana and prana is is is very cool

552  
00:23:58,080 --> 00:23:55,060  
it's very cool it's very tasty these

553  
00:24:03,240 --> 00:23:58,090  
people usually usually look pretty

554  
00:24:05,550 --> 00:24:03,250  
weighty can I say that and so they must

555  
00:24:07,410 --> 00:24:05,560  
be getting this from somewhere but they

556  
00:24:10,280 --> 00:24:07,420  
claim this is product but the difficulty

557  
00:24:12,780 --> 00:24:10,290  
here of course is that whenever you are

558  
00:24:14,910 --> 00:24:12,790  
testing something medical especially

559  
00:24:19,160 --> 00:24:14,920  
when you're putting a person at risk is

560  
00:24:22,020 --> 00:24:19,170  
very difficult from a legal standpoint

561  
00:24:24,240 --> 00:24:22,030  
we have number of people you are

562  
00:24:26,160 --> 00:24:24,250  
absolutely right and it's one of the

563  
00:24:28,440 --> 00:24:26,170

occasions where we probably wouldn't

564

00:24:30,300 --> 00:24:28,450

really go very far with that because we

565

00:24:32,880 --> 00:24:30,310

would be putting people at risk and in

566

00:24:36,090 --> 00:24:32,890

fact many years ago and I think it's on

567

00:24:38,580 --> 00:24:36,100

YouTube the 60 minutes program here in

568

00:24:40,530 --> 00:24:38,590

Australia one of their reporters who was

569

00:24:42,540 --> 00:24:40,540

a good friend of the skeptics man by the

570

00:24:45,420 --> 00:24:42,550

name of Richard Carlton who sadly died

571

00:24:48,030 --> 00:24:45,430

some years ago he tested a breatharian

572

00:24:50,820 --> 00:24:48,040

which i think is probably the same sort

573

00:24:53,940 --> 00:24:50,830

of thing you're talking about where the

574

00:24:56,760 --> 00:24:53,950

60 minutes program had her secured in a

575

00:24:58,410 --> 00:24:56,770

hotel room and monitored around the

576  
00:25:00,270 --> 00:24:58,420  
clock to make sure she wasn't eating and

577  
00:25:03,870 --> 00:25:00,280  
within a few days she became very ill

578  
00:25:06,210 --> 00:25:03,880  
because she wasn't eating and they had

579  
00:25:08,910 --> 00:25:06,220  
to stop the experiment well you know we

580  
00:25:11,550 --> 00:25:08,920  
were thinking about like a middle ground

581  
00:25:14,880 --> 00:25:11,560  
there that ok so we we will let them

582  
00:25:17,580 --> 00:25:14,890  
stay hungry for like 2-3 days but then

583  
00:25:19,950 --> 00:25:17,590  
we make measurements like of their urine

584  
00:25:22,410 --> 00:25:19,960  
samples yeah and if they're not eating

585  
00:25:25,230 --> 00:25:22,420  
then very quickly even within 24 hours

586  
00:25:27,120 --> 00:25:25,240  
we can see that yeah in certain body

587  
00:25:29,300 --> 00:25:27,130  
liquids and that will be fine we don't

588  
00:25:31,530 --> 00:25:29,310

need to solve them to that yeah yeah yes

589

00:25:31,990 --> 00:25:31,540

that is one of the approaches but the

590

00:25:34,410 --> 00:25:32,000

difficulty

591

00:25:37,300 --> 00:25:34,420

here is that a person has to say yes to

592

00:25:40,180 --> 00:25:37,310

for their bodily fluids to be taken

593

00:25:42,550 --> 00:25:40,190

samples and so usually at this point

594

00:25:46,030 --> 00:25:42,560

they say oh no this is mine I can give

595

00:25:47,590 --> 00:25:46,040

it to you yeah and well and with the

596

00:25:50,650 --> 00:25:47,600

case of the one here in Australia a

597

00:25:52,270 --> 00:25:50,660

woman by the name of years mahim who won

598

00:25:56,190 --> 00:25:52,280

our bent spoon or what many years ago

599

00:25:59,200 --> 00:25:56,200

for these claims after a few days she

600

00:26:01,930 --> 00:25:59,210

said that the reasons he was getting ill

601  
00:26:04,150 --> 00:26:01,940  
was she was breathing in city air not

602  
00:26:05,170 --> 00:26:04,160  
clean country air so they took her to

603  
00:26:06,430 --> 00:26:05,180  
the country but it didn't make any

604  
00:26:08,650 --> 00:26:06,440  
difference of course but they always

605  
00:26:12,130 --> 00:26:08,660  
find an excuse kyriel they will always

606  
00:26:15,010 --> 00:26:12,140  
find an excuse yeah yeah but I guess

607  
00:26:17,050 --> 00:26:15,020  
that this is this is a point where you

608  
00:26:18,850 --> 00:26:17,060  
sort of hope that intelligent people

609  
00:26:21,460 --> 00:26:18,860  
will see that this is the excuse and

610  
00:26:23,380 --> 00:26:21,470  
nothing else I think intelligent people

611  
00:26:26,140 --> 00:26:23,390  
will I think I think that absolutely

612  
00:26:28,090 --> 00:26:26,150  
happens well kill it's really good to

613  
00:26:29,650 --> 00:26:28,100

catch up with you again and it's really

614

00:26:31,060 --> 00:26:29,660

good to know that you like we here in

615

00:26:33,790 --> 00:26:31,070

Australia and other skeptical groups

616

00:26:35,410 --> 00:26:33,800

around the world are out there doing the

617

00:26:37,930 --> 00:26:35,420

tests are out there getting people

618

00:26:40,240 --> 00:26:37,940

interested in skepticism I think that's

619

00:26:42,160 --> 00:26:40,250

so important how can people I mean they

620

00:26:44,860 --> 00:26:42,170

they hear it on the commercial of course

621

00:26:49,120 --> 00:26:44,870

but how can people find out more about

622

00:26:52,150 --> 00:26:49,130

what you're doing right so our probably

623

00:26:54,730 --> 00:26:52,160

central hub is our website [www.skeptic](http://www.skeptic)

624

00:26:57,550 --> 00:26:54,740

society are you and we have the forum

625

00:26:58,900 --> 00:26:57,560

which is finally coming to life and more

626

00:27:02,350 --> 00:26:58,910

people are actually hanging out in the

627

00:27:04,710 --> 00:27:02,360

forum and at vk.com the russian facebook

628

00:27:08,230 --> 00:27:04,720

social network this is where our

629

00:27:10,780 --> 00:27:08,240

activities are regarding social networks

630

00:27:13,090 --> 00:27:10,790

we're not currently present Facebook so

631

00:27:15,520 --> 00:27:13,100

this is probably it and we have meetings

632

00:27:18,670 --> 00:27:15,530

in like more than 10 cities right now

633

00:27:22,360 --> 00:27:18,680

across Ukraine Kazakhstan as well so

634

00:27:25,060 --> 00:27:22,370

people can can do that and we have a

635

00:27:26,940 --> 00:27:25,070

meeting today actually and so we're

636

00:27:30,550 --> 00:27:26,950

going to be having some skeptical

637

00:27:33,040 --> 00:27:30,560

discussions today that's very exciting i

638

00:27:35,740 --> 00:27:33,050

am so pleased to hear that it's always

639

00:27:38,960 --> 00:27:35,750

good to know if of active people no

640

00:27:41,340 --> 00:27:38,970

matter where they are in the world

641

00:27:43,350 --> 00:27:41,350

spreading the message of skepticism

642

00:27:45,539 --> 00:27:43,360

which is basically the message of of

643

00:27:47,850 --> 00:27:45,549

science and the scientific approach and

644

00:27:49,560 --> 00:27:47,860

how it's progressing our society well

645

00:27:52,650 --> 00:27:49,570

Carol all the best good luck to you

646

00:27:55,020 --> 00:27:52,660

again and as I think I probably said

647

00:27:58,500 --> 00:27:55,030

last time who knows one day I might be

648

00:28:16,890 --> 00:27:58,510

able to visit you in Moscow yay thanks

649

00:28:19,409 --> 00:28:16,900

thank you Richard plus 3 30 minutes ago

650

00:28:20,700 --> 00:28:19,419

fear of Islamic law be so skeptical most

651

00:28:22,470 --> 00:28:20,710

of you must know not just a jutro

652

00:28:24,180 --> 00:28:22,480

prohodit car that we need ye lumis clear

653

00:28:26,340 --> 00:28:24,190

it algebra class camp associate nash

654

00:28:28,440 --> 00:28:26,350

podcast Petrova hooded garden engine but

655

00:28:30,570 --> 00:28:28,450

customs White's escaped aside a petrol

656

00:28:34,730 --> 00:28:30,580

bomb or choose not initiated st at a

657

00:28:37,110 --> 00:28:34,740

wave over skeptics society to screw

658

00:28:39,210 --> 00:28:37,120

everybody my name is carol and i'm the

659

00:28:40,560 --> 00:28:39,220

founder of skeptics society russia come

660

00:28:42,780 --> 00:28:40,570

visit us in moscow and our bi-weekly

661

00:28:44,880 --> 00:28:42,790

meetings and also listen to our weekly

662

00:28:46,530 --> 00:28:44,890

podcast which is called skeptic and the

663

00:28:59,290 --> 00:28:46,540

site where you can find all that the

664

00:29:04,040 --> 00:29:01,730

welcome to a week in science from our

665

00:29:06,650 --> 00:29:04,050

iOS bringing you the science you need to

666

00:29:08,930 --> 00:29:06,660

know should space via women's world

667

00:29:10,640 --> 00:29:08,940

female astronauts might just have the

668

00:29:12,770 --> 00:29:10,650

edge when it comes to long-haul space

669

00:29:14,960 --> 00:29:12,780

exploration and travel so stick around

670

00:29:25,430 --> 00:29:14,970

to find out if ladies who lunch should

671

00:29:27,320 --> 00:29:25,440

become ladies who launch if you want to

672

00:29:29,300 --> 00:29:27,330

be first in line for a ticket to mars it

673

00:29:31,400 --> 00:29:29,310

might help to be female as it's been

674

00:29:33,050 --> 00:29:31,410

suggested these long haul trips be

675

00:29:36,470 --> 00:29:33,060

exclusively helmed by the so-called

676

00:29:39,110 --> 00:29:36,480

verra sex why well part of it has to do

677

00:29:41,090 --> 00:29:39,120

with physiology early research indicated

678

00:29:43,400 --> 00:29:41,100

that women have stronger hearts and can

679

00:29:45,320 --> 00:29:43,410

therefore better handle low oxygen low

680

00:29:47,000 --> 00:29:45,330

gravity environments and can also

681

00:29:49,430 --> 00:29:47,010

withstand greater vibrations and

682

00:29:51,290 --> 00:29:49,440

radiation psychologically women might

683

00:29:52,610 --> 00:29:51,300

also cope a little better with some

684

00:29:54,560 --> 00:29:52,620

research suggesting they're less

685

00:29:56,780 --> 00:29:54,570

affected by isolation and a lack of

686

00:29:58,670 --> 00:29:56,790

sensory input women are also said to

687

00:30:00,830 --> 00:29:58,680

increase cohesion and team work within

688

00:30:05,180 --> 00:30:00,840

the tight-knit teams necessary for space

689

00:30:07,520 --> 00:30:05,190

exploration but there's one specific

690

00:30:10,250 --> 00:30:07,530

area where sending them into space makes

691

00:30:12,770 --> 00:30:10,260

a lot of sense dolazim sense that is

692

00:30:14,960 --> 00:30:12,780

that's right when it comes to economics

693

00:30:17,600 --> 00:30:14,970

ladies are a whole lot lighter on the

694

00:30:19,880 --> 00:30:17,610

hip pocket on a Mars mission simulation

695

00:30:21,710 --> 00:30:19,890

in Hawaii females were found to expend

696

00:30:23,690 --> 00:30:21,720

less than half the calories than their

697

00:30:26,330 --> 00:30:23,700

male counterparts for the same exercises

698

00:30:28,730 --> 00:30:26,340

and tasks therefore needing half the

699

00:30:30,380 --> 00:30:28,740

amount of food as the difference in size

700

00:30:32,720 --> 00:30:30,390

between the guys and girls gets greater

701  
00:30:34,670 --> 00:30:32,730  
sort of the savings by the time you

702  
00:30:36,320 --> 00:30:34,680  
compare a small woman to a large man

703  
00:30:39,080 --> 00:30:36,330  
they require less than half the

704  
00:30:40,460 --> 00:30:39,090  
resources the other benefit this creates

705  
00:30:43,040 --> 00:30:40,470  
is that less food onboard a spacecraft

706  
00:30:46,160 --> 00:30:43,050  
means less weight and therefore less

707  
00:30:50,799 --> 00:30:46,170  
fuel and now let's blast off into for

708  
00:30:55,749 --> 00:30:53,350  
the first woman in space was valentina

709  
00:30:59,999 --> 00:30:55,759  
tereshkova who flew from the Soviet

710  
00:31:03,009 --> 00:31:00,009  
Union in 1963 at the tender age of 26

711  
00:31:05,970 --> 00:31:03,019  
tereshkova orbited the earth 48 x over

712  
00:31:09,519 --> 00:31:05,980  
three days a record at the time out of

713  
00:31:12,100 --> 00:31:09,529

536 total space travelers 59 have been

714

00:31:14,409 --> 00:31:12,110

women a mere eleven percent american

715

00:31:16,480 --> 00:31:14,419

astronaut and overachiever Sunita

716

00:31:19,779 --> 00:31:16,490

Williams holds the female records for

717

00:31:22,389 --> 00:31:19,789

longest space flight 195 days most

718

00:31:25,810 --> 00:31:22,399

spacewalk time 50 hours and 40 minutes

719

00:31:28,299 --> 00:31:25,820

and most spacewalks having exited the

720

00:31:30,669 --> 00:31:28,309

hatch seven times that's it for this

721

00:31:33,340 --> 00:31:30,679

week in science for more information on

722

00:31:38,080 --> 00:31:33,350

ladies in space go to the rirs website

723

00:31:40,810 --> 00:31:38,090

RI aus org a you follow us on twitter at

724

00:31:43,149 --> 00:31:40,820

our iOS and like us on Facebook I'm

725

00:32:01,450 --> 00:31:43,159

Casey Harrigan and we'll catch you next

726

00:32:04,930 --> 00:32:01,460

week hey Heidi oh hi Joe hi Heidi oh hi

727

00:32:08,169 --> 00:32:04,940

Maynard hi Maynard oh hi Joe nice day in

728

00:32:12,009 --> 00:32:08,179

this park yeah yes great weather oh look

729

00:32:14,590 --> 00:32:12,019

a unicorn a unicorn there are no such

730

00:32:17,799 --> 00:32:14,600

things as unicorns silly yes there are

731

00:32:20,289 --> 00:32:17,809

no there isn't Hey ladies what are you

732

00:32:23,739 --> 00:32:20,299

arguing about Joe thinks unicorns are

733

00:32:27,249 --> 00:32:23,749

real they so are let's look this up in

734

00:32:29,529 --> 00:32:27,259

the skeptics dictionary the word how can

735

00:32:31,840 --> 00:32:29,539

we do that in this park there are no

736

00:32:34,149 --> 00:32:31,850

computers here you ladies probably don't

737

00:32:37,239 --> 00:32:34,159

know about the skeptics dictionary app

738

00:32:40,389 --> 00:32:37,249

available now for iPhone iPad and iPod

739

00:32:42,340 --> 00:32:40,399

touch in the app store yeah we do we've

740

00:32:46,690 --> 00:32:42,350

been listening to the skeptic zone for

741

00:32:48,879 --> 00:32:46,700

years you know yes ok the app lets you

742

00:32:52,600 --> 00:32:48,889

access all the great skeptics dictionary

743

00:32:55,450 --> 00:32:52,610

articles when you're on the go yeah let

744

00:32:58,359 --> 00:32:55,460

me look up unicorns oh cool Heidi

745

00:33:00,850 --> 00:32:58,369

prepare to be proven wrong it says here

746

00:33:03,810 --> 00:33:00,860

the Unicorn is a creature from fables

747

00:33:05,340 --> 00:33:03,820

aha actually I see now that

748

00:33:08,430 --> 00:33:05,350

someone just dumped their ice cream cone

749

00:33:10,740 --> 00:33:08,440

on that horse's head thanks dictionnaire

750

00:33:23,160 --> 00:33:10,750

iphone that's just some guy in these

751  
00:33:26,130 --> 00:33:23,170  
undies recently Australian skeptics came

752  
00:33:28,320 --> 00:33:26,140  
into possession of a premium wine card

753  
00:33:30,060 --> 00:33:28,330  
if you don't know what the premium wine

754  
00:33:33,000 --> 00:33:30,070  
cut is I recommend you go to the website

755  
00:33:36,870 --> 00:33:33,010  
of premium wine card just Google premium

756  
00:33:41,610 --> 00:33:36,880  
wine card or wine card this is a credit

757  
00:33:46,320 --> 00:33:41,620  
card sized card made out of metal very

758  
00:33:49,290 --> 00:33:46,330  
light metal which claims the claims are

759  
00:33:52,800 --> 00:33:49,300  
that if you rub this card against a wine

760  
00:33:56,670 --> 00:33:52,810  
glass it will make the wine inside the

761  
00:33:58,560 --> 00:33:56,680  
wine glass taste better you can turn

762  
00:34:01,230 --> 00:33:58,570  
standard wine on all the wine into

763  
00:34:05,190 --> 00:34:01,240

premium white so the claim is needless

764

00:34:08,790 --> 00:34:05,200

to say that we were still a skeptical of

765

00:34:10,950 --> 00:34:08,800

this amazing claim so the other night at

766

00:34:15,240 --> 00:34:10,960

sydney skeptics in the pub we had a lot

767

00:34:19,140 --> 00:34:15,250

of fun we had lots of glasses of wine

768

00:34:21,120 --> 00:34:19,150

lined up and we had two cards one was

769

00:34:24,660 --> 00:34:21,130

the premium wine card another was a

770

00:34:27,690 --> 00:34:24,670

dummy or placebo card exactly the same

771

00:34:30,810 --> 00:34:27,700

ma size and weight both cards were

772

00:34:34,200 --> 00:34:30,820

wrapped up in paper nobody knew which

773

00:34:37,830 --> 00:34:34,210

was which they were labeled X and Y and

774

00:34:40,200 --> 00:34:37,840

the toss of a coin decided which of the

775

00:34:43,260 --> 00:34:40,210

two glasses our volunteers would try

776

00:34:46,140 --> 00:34:43,270

first anyway let me take you now to

777

00:34:53,470 --> 00:34:46,150

Sydney skeptics in the pub and we can

778

00:34:57,890 --> 00:34:56,150

so we're here it's Sydney skeptics in

779

00:34:59,450 --> 00:34:57,900

the bottom tonight we're doing a well a

780

00:35:01,490 --> 00:34:59,460

more or less an informal test of the

781

00:35:03,760 --> 00:35:01,500

wine car the premium wine card and I've

782

00:35:06,970 --> 00:35:03,770

got cigna came here with me from the

783

00:35:10,250 --> 00:35:06,980

Australian settings such dicks

784

00:35:14,120 --> 00:35:10,260

Australian skeptics have a committee

785

00:35:16,580 --> 00:35:14,130

here in our city cigna what what's your

786

00:35:20,030 --> 00:35:16,590

opinion should the skeptics keep testing

787

00:35:22,400 --> 00:35:20,040

these devices I mean we're skeptical

788

00:35:24,320 --> 00:35:22,410

very I mean I really have to emphasize

789

00:35:26,630 --> 00:35:24,330

that we're very skeptical of this device

790

00:35:28,190 --> 00:35:26,640

do you think it's still something we

791

00:35:30,020 --> 00:35:28,200

should be doing is testing all these

792

00:35:32,600 --> 00:35:30,030

things yeah i think so i think it's

793

00:35:35,750 --> 00:35:32,610

firstly it's fun it's an entertaining

794

00:35:37,910 --> 00:35:35,760

way to teach people something about

795

00:35:40,520 --> 00:35:37,920

science and about how science works and

796

00:35:42,410 --> 00:35:40,530

about how people should approach these

797

00:35:45,320 --> 00:35:42,420

things for example i was just being told

798

00:35:48,590 --> 00:35:45,330

that somebody at home has their relative

799

00:35:50,390 --> 00:35:48,600

at home has a magnetic wine decanter or

800

00:35:52,340 --> 00:35:50,400

something when you look down the bottle

801  
00:35:54,140 --> 00:35:52,350  
yeah and then they swear that their

802  
00:35:56,300 --> 00:35:54,150  
wines has so much better offset 15

803  
00:35:58,010 --> 00:35:56,310  
minutes and because there they don't

804  
00:35:59,570 --> 00:35:58,020  
think about these things in a scientific

805  
00:36:01,640 --> 00:35:59,580  
way so they don't think well I could

806  
00:36:03,740 --> 00:36:01,650  
actually test this out home I could I

807  
00:36:06,140 --> 00:36:03,750  
could get two bowls of wine or I could

808  
00:36:07,430 --> 00:36:06,150  
get someone else to try to they just put

809  
00:36:09,740 --> 00:36:07,440  
it down they believe the marketing

810  
00:36:11,240 --> 00:36:09,750  
claims so skeptics doing this test even

811  
00:36:12,500 --> 00:36:11,250  
if it's just informally mittens just for

812  
00:36:14,870 --> 00:36:12,510  
a bit of fun and everyone here knows

813  
00:36:17,450 --> 00:36:14,880

that it's probably not as controlled as

814

00:36:19,120 --> 00:36:17,460

it could be yeah we're still I'm pretty

815

00:36:21,230 --> 00:36:19,130

sure we're still teaching people

816

00:36:23,690 --> 00:36:21,240

something about it so I think it's

817

00:36:25,880 --> 00:36:23,700

valuable and I think and it's also fun

818

00:36:27,260 --> 00:36:25,890

and all such as fun together and do it I

819

00:36:28,760 --> 00:36:27,270

think you're absolutely right it's a

820

00:36:30,730 --> 00:36:28,770

nice social opportunity and people are

821

00:36:32,960 --> 00:36:30,740

very interested and they call and

822

00:36:36,230 --> 00:36:32,970

everybody here who wants to be gets to

823

00:36:37,820 --> 00:36:36,240

be part of the broader tears to the wine

824

00:36:40,160 --> 00:36:37,830

card and I think that that's it yeah

825

00:36:42,990 --> 00:36:40,170

it's a good thing yeah i agree so i

826

00:36:45,930 --> 00:36:43,000

think it's good to test things

827

00:36:48,660 --> 00:36:45,940

just get together learn something have a

828

00:36:51,180 --> 00:36:48,670

bit of fun a bit of wine in this case

829

00:36:53,610 --> 00:36:51,190

yeah or you know whatever else it is and

830

00:36:55,650 --> 00:36:53,620

then next time when you're confronted

831

00:36:57,090 --> 00:36:55,660

with a claim like this oh you know try

832

00:36:59,280 --> 00:36:57,100

this is going to be so into bad at you

833

00:37:01,080 --> 00:36:59,290

you know so the principles behind it

834

00:37:03,960 --> 00:37:01,090

that might be influencing you and you're

835

00:37:05,580 --> 00:37:03,970

just a tiny bit smarter and maybe less

836

00:37:08,280 --> 00:37:05,590

gullible to all these people who just

837

00:37:13,350 --> 00:37:08,290

try to sell you crap maybe Thanks

838

00:37:15,330 --> 00:37:13,360

dignity Horace Andy and wine card is

839

00:37:18,120 --> 00:37:15,340

being tested as we speak I just come

840

00:37:19,350 --> 00:37:18,130

around the back here I'm with Jessica

841

00:37:21,000 --> 00:37:19,360

singer from the Australian skeptics

842

00:37:23,430 --> 00:37:21,010

Jessica we're testing the wine card

843

00:37:26,360 --> 00:37:23,440

informally here in the public indeed and

844

00:37:28,920 --> 00:37:26,370

i am recording the results with much

845

00:37:30,870 --> 00:37:28,930

conscientiousness and accuracy now we

846

00:37:33,810 --> 00:37:30,880

don't know which card is which a little

847

00:37:36,750 --> 00:37:33,820

envelopes there and now i did the person

848

00:37:39,660 --> 00:37:36,760

who did it is a non drinker I'm not

849

00:37:41,490 --> 00:37:39,670

drink any there's a toss-up going to

850

00:37:45,470 --> 00:37:41,500

help the randomization now Amy's just

851

00:37:47,690 --> 00:37:45,480

tasting it now first class Oh

852

00:37:50,550 --> 00:37:47,700

interesting expression on the face

853

00:37:53,130 --> 00:37:50,560

ecstasy oh she seems to like that one

854

00:37:54,840 --> 00:37:53,140

not in yet now the second glass which

855

00:38:00,960 --> 00:37:54,850

may or may not be treated with the wine

856

00:38:03,380 --> 00:38:00,970

card here we go she's thinking the first

857

00:38:08,430 --> 00:38:03,390

one she's going for the first one well

858

00:38:10,530 --> 00:38:08,440

yes finish them off its that's right

859

00:38:17,319 --> 00:38:10,540

nobody goes thirsty an artist that's

860

00:38:27,940 --> 00:38:23,979

so how many trials have we had so far 10

861

00:38:29,949 --> 00:38:27,950

to 10 12 and 11 the brief glances I

862

00:38:32,529 --> 00:38:29,959

can't see any particular pattern of be

863

00:38:34,239 --> 00:38:32,539

rendered down we'll see how it goes and

864

00:38:36,609 --> 00:38:34,249

then after about 20 trials will see

865

00:38:39,400 --> 00:38:36,619

which card is the wine card which card

866

00:38:41,049 --> 00:38:39,410

is that the dummy the fake one yeah now

867

00:38:44,140 --> 00:38:41,059

the next trial is on the way and they're

868

00:38:46,809 --> 00:38:44,150

running the two cards one is a placebo

869

00:38:49,299 --> 00:38:46,819

and one is an item one has to gently

870

00:38:51,069 --> 00:38:49,309

caress the card against the glass it's

871

00:38:55,150 --> 00:38:51,079

obviously all in the wrist action don't

872

00:38:57,759 --> 00:38:55,160

you think Richard one could say that

873

00:39:01,209 --> 00:38:57,769

about many things Jessica verse 11 could

874

00:39:04,029 --> 00:39:01,219

be in bryces is using one car there and

875

00:39:05,079 --> 00:39:04,039

Gary our volunteer at the moments using

876

00:39:06,999 --> 00:39:05,089

the other one on the wine that's about

877

00:39:09,390 --> 00:39:07,009

15 seconds I think gentlemen as

878

00:39:13,059 --> 00:39:09,400

specified by the water filtration

879

00:39:15,579 --> 00:39:13,069

situation it's not so keen pressing

880

00:39:19,979 --> 00:39:15,589

tossing the coin and its various

881

00:39:25,029 --> 00:39:19,989

everybody okay X the signal Gary's

882

00:39:28,209 --> 00:39:25,039

sampling the window like one it smells

883

00:39:33,459 --> 00:39:28,219

like wine it's a good sign it tasting it

884

00:39:35,079 --> 00:39:33,469

now tasting it again to be sure seems

885

00:39:40,569 --> 00:39:35,089

rather undecided now he's trying the

886

00:39:42,130 --> 00:39:40,579

second one second glass treated with or

887

00:39:45,670 --> 00:39:42,140

without the wine card we don't know but

888

00:39:50,079 --> 00:39:45,680

I get the impression that the second one

889

00:39:52,569 --> 00:39:50,089

doesn't smell as as much as fruity as

890

00:39:55,180 --> 00:39:52,579

whiney as the first one interesting okay

891

00:39:59,439 --> 00:39:55,190

all right and he's trying the second one

892

00:40:04,199 --> 00:39:59,449

now I think I can honestly say that this

893

00:40:06,339 --> 00:40:04,209

one the second glass tastes bland off

894

00:40:08,769 --> 00:40:06,349

interesting so you're going to go for

895

00:40:10,779 --> 00:40:08,779

the first one which is X to the stuff my

896

00:40:12,939 --> 00:40:10,789

personal preference would be for the one

897

00:40:16,849 --> 00:40:12,949

without with the less sort of spicy

898

00:40:18,950 --> 00:40:16,859

bites interesting so that so that

899

00:40:20,779 --> 00:40:18,960

so that for me the second one is better

900

00:40:23,150 --> 00:40:20,789

are the second one is better all right

901  
00:40:27,620 --> 00:40:23,160  
another test under way what's the your

902  
00:40:34,089 --> 00:40:27,630  
answer they're very fine x all very fine

903  
00:40:41,420 --> 00:40:34,099  
exits away how many have we got now just

904  
00:40:44,690 --> 00:40:41,430  
give Israel of God 515 wise with four

905  
00:40:48,019 --> 00:40:44,700  
aces 3 equals 0 so that totals exert

906  
00:40:49,759 --> 00:40:48,029  
that top so we've done 12 tests so far

907  
00:40:51,319 --> 00:40:49,769  
there's not much there's not much of

908  
00:40:52,759 --> 00:40:51,329  
Manhattan emerging I must say there's no

909  
00:40:56,509 --> 00:40:52,769  
strong favoring one on the other we've

910  
00:40:58,039 --> 00:40:56,519  
got people lined up to try it so signal

911  
00:40:59,809 --> 00:40:58,049  
we were just discussing earlier that

912  
00:41:01,759 --> 00:40:59,819  
these tests are good fun and this is

913  
00:41:03,769 --> 00:41:01,769

good fun people are lining up there

914

00:41:05,989 --> 00:41:03,779

rubbing their wine with their cards

915

00:41:07,910 --> 00:41:05,999

they're tasting each one they're making

916

00:41:12,019 --> 00:41:07,920

funny expressions on their faces it up

917

00:41:14,120 --> 00:41:12,029

there goes a toss of the coin again so I

918

00:41:17,210 --> 00:41:14,130

think it's a really worthwhile exercise

919

00:41:20,359 --> 00:41:17,220

I think so too particularly if you get a

920

00:41:21,890 --> 00:41:20,369

takeaway message that next time you see

921

00:41:24,019 --> 00:41:21,900

something like this you might just

922

00:41:25,609 --> 00:41:24,029

thoughts and think about it a bit past

923

00:41:27,529 --> 00:41:25,619

capital e I think that's really the most

924

00:41:30,200 --> 00:41:27,539

important aspect of doing this because

925

00:41:32,089 --> 00:41:30,210

if we were thinking about the protocol

926

00:41:34,640 --> 00:41:32,099

here there's probably a lot of things

927

00:41:36,289 --> 00:41:34,650

that we won't work it's quite like it's

928

00:41:39,319 --> 00:41:36,299

quite yet for example we don't even have

929

00:41:41,779 --> 00:41:39,329

control yeah the dirt that has not been

930

00:41:43,309 --> 00:41:41,789

robbed but that's so good fun and also

931

00:41:48,049 --> 00:41:43,319

if everyone had to drink from three

932

00:41:50,029 --> 00:41:48,059

glasses we'd all be stumbling at a good

933

00:41:51,920 --> 00:41:50,039

thing is the claim is this card also

934

00:41:54,440 --> 00:41:51,930

works on water so maybe we can try it

935

00:42:00,069 --> 00:41:54,450

out another time oh yeah yeah we're just

936

00:42:05,899 --> 00:42:02,029

getting down to the business and the

937

00:42:07,819 --> 00:42:05,909

coin is tossed again Australia the coin

938

00:42:08,929 --> 00:42:07,829

has a kangaroo on one side and Australia

939

00:42:10,579 --> 00:42:08,939

on the other that's why we're saying

940

00:42:11,509 --> 00:42:10,589

these strange things another taste going

941

00:42:16,069 --> 00:42:11,519

under way what do you think of your

942

00:42:17,719 --> 00:42:16,079

first selection there as I'd wine tastes

943

00:42:19,219 --> 00:42:17,729

like wine that's a that's the answer

944

00:42:24,099 --> 00:42:19,229

we've been getting a lot lately tonight

945

00:42:28,279 --> 00:42:24,109

I think skeptics nothing if not

946

00:42:31,689 --> 00:42:28,289

insightful accurate sharp as needles we

947

00:42:35,229 --> 00:42:31,699

are oh yeah he can't make up his mind

948

00:42:40,849 --> 00:42:35,239

identical identical yes good answer yes

949

00:42:46,069 --> 00:42:40,859

valid answer thank you now how very own

950

00:42:50,059 --> 00:42:46,079

Jessica singer it's going to try so both

951  
00:42:52,729 --> 00:42:50,069  
glasses are being rubbed with the cards

952  
00:42:55,449 --> 00:42:52,739  
one is a placebo carden one is the real

953  
00:42:59,289 --> 00:42:55,459  
wine card we don't know which is which

954  
00:43:04,509 --> 00:42:59,299  
they're rubbing them for 15 seconds

955  
00:43:10,699 --> 00:43:09,379  
kangaroo so she tastes glass wine what

956  
00:43:14,959 --> 00:43:10,709  
do you think of the first one Jessica

957  
00:43:16,999 --> 00:43:14,969  
its wine there you go the was skeptical

958  
00:43:22,669 --> 00:43:17,009  
answer now she's going to try the second

959  
00:43:27,089 --> 00:43:22,679  
one it's amazing it it's not scotch know

960  
00:43:37,630 --> 00:43:31,839  
and the second one equal all right we've

961  
00:43:44,260 --> 00:43:37,640  
got another eco school to the kangaroo

962  
00:43:46,299 --> 00:43:44,270  
sing stuff definitely Wow oh my god what

963  
00:43:48,970 --> 00:43:46,309

do you think you can is there a

964

00:43:51,690 --> 00:43:48,980

difference moderate Rick you know if I

965

00:43:58,779 --> 00:43:51,700

heard of a difference easy to clean up

966

00:44:00,160 --> 00:43:58,789

it's more 0 x x marks the spot well not

967

00:44:02,589 --> 00:44:00,170

long to go we've only got a couple more

968

00:44:04,720 --> 00:44:02,599

people to go through the tests before we

969

00:44:06,910 --> 00:44:04,730

reveal which card is the placebo and

970

00:44:09,279 --> 00:44:06,920

which is the wine card and just to

971

00:44:12,640 --> 00:44:09,289

remind ourselves tonight is all about

972

00:44:14,740 --> 00:44:12,650

fun it's showing people that skeptics

973

00:44:16,839 --> 00:44:14,750

like to have fun everybody's here is

974

00:44:18,400 --> 00:44:16,849

enjoying the evening we'll get some

975

00:44:20,160 --> 00:44:18,410

results and will include them in any

976

00:44:23,140 --> 00:44:20,170

report but there's strictly

977

00:44:26,740 --> 00:44:23,150

non-scientific and just part of the

978

00:44:29,829 --> 00:44:26,750

overall enjoyment of being a skeptic and

979

00:44:32,230 --> 00:44:29,839

testing things and the final test of the

980

00:44:37,059 --> 00:44:32,240

evenings coming up and this time we're

981

00:44:38,890 --> 00:44:37,069

using we're doing it water water as per

982

00:44:41,680 --> 00:44:38,900

the claims on the website it does work

983

00:44:43,390 --> 00:44:41,690

with water so here we go ok which one a

984

00:44:48,339 --> 00:44:43,400

place like sending which one tastes like

985

00:44:49,660 --> 00:44:48,349

a delay it's a young Tom trying it with

986

00:44:52,240 --> 00:44:49,670

the water and he just reported that

987

00:44:53,740 --> 00:44:52,250

rubbing the card on the the glass feels

988

00:44:57,810 --> 00:44:53,750

very silly

989

00:45:04,570 --> 00:45:01,840

times up hey wait to Whitney see which

990

00:45:15,550 --> 00:45:04,580

one you going to tangle food so that's

991

00:45:26,500 --> 00:45:15,560

Australia so we try that one this one's

992

00:45:28,690 --> 00:45:26,510

watered down ah but which water is the

993

00:45:35,590 --> 00:45:28,700

better tasting do you think this one or

994

00:45:38,050 --> 00:45:35,600

this one um not sure probably you can

995

00:45:42,760 --> 00:45:38,060

say neither it's okay honey neither

996

00:45:46,120 --> 00:45:42,770

could but there are people oh I told you

997

00:45:47,740 --> 00:45:46,130

this one tastes a bit watered out which

998

00:45:51,910 --> 00:45:47,750

one do you prefer yeah but which one

999

00:45:56,290 --> 00:45:51,920

should I was up to you that's okay to

1000

00:45:59,050 --> 00:45:56,300

you what I stop he's trying them both

1001  
00:46:08,190 --> 00:45:59,060  
together because it's an easy gillespie

1002  
00:46:11,520 --> 00:46:08,200  
why why last one naughty wow that's

1003  
00:46:19,330 --> 00:46:11,530  
alright that's how 20 trials completed

1004  
00:46:22,390 --> 00:46:19,340  
and a scorekeeper jessica is just going

1005  
00:46:25,750 --> 00:46:22,400  
to quickly taught up the X's and Y's and

1006  
00:46:28,840 --> 00:46:25,760  
the equals really coming up after the

1007  
00:46:39,520 --> 00:46:35,000  
okay eggs the vote for x.x got seven

1008  
00:46:46,810 --> 00:46:39,530  
boats the xmas better why got six votes

1009  
00:46:53,450 --> 00:46:51,290  
Maury much now their army of the reveal

1010  
00:46:55,100 --> 00:46:53,460  
we don't have the reveal ian is opening

1011  
00:46:57,770 --> 00:46:55,110  
hey buzz that this one's that and

1012  
00:47:00,380 --> 00:46:57,780  
doctors about Bobby in his opening

1013  
00:47:09,230 --> 00:47:00,390

understand bet card number card litter

1014

00:47:11,060 --> 00:47:09,240

others have an X X is lime curd you like

1015

00:47:12,650 --> 00:47:11,070

to open that one or two they show quite

1016

00:47:17,390 --> 00:47:12,660

happy that's what and why was the

1017

00:47:19,520 --> 00:47:17,400

placebo no hang on so the one card got

1018

00:47:22,370 --> 00:47:19,530

seven votes is getting the better result

1019

00:47:25,070 --> 00:47:22,380

and the placebo got six votes all the

1020

00:47:29,360 --> 00:47:25,080

usual do we think that's within the

1021

00:47:31,730 --> 00:47:29,370

range of normal chance so that means

1022

00:47:34,940 --> 00:47:31,740

that on a bayesian basis we can say that

1023

00:47:38,450 --> 00:47:34,950

the results were entirely consistent

1024

00:47:46,870 --> 00:47:38,460

with chance and that is a failure to

1025

00:47:52,519 --> 00:47:49,430

well there you go not a good result for

1026

00:47:55,489 --> 00:47:52,529

the premium wine card now these informal

1027

00:47:57,620 --> 00:47:55,499

tests done really for fun we'll make the

1028

00:47:59,180 --> 00:47:57,630

small part of a much broader but more

1029

00:48:02,239 --> 00:47:59,190

rigorous test that we will be conducting

1030

00:48:04,759 --> 00:48:02,249

a little bit later this year on the

1031

00:48:06,739 --> 00:48:04,769

premium wine cup again if you want a

1032

00:48:09,229 --> 00:48:06,749

good laugh go to the premium wine card

1033

00:48:12,200 --> 00:48:09,239

website and have a look at the videos

1034

00:48:14,539 --> 00:48:12,210

but maybe we've given you some ideas for

1035

00:48:17,529 --> 00:48:14,549

your own skeptics in the pub if you want

1036

00:48:31,279 --> 00:48:17,539

to hold informal test to test some

1037

00:48:33,380 --> 00:48:31,289

far-fetched claim our friends in

1038

00:48:36,229 --> 00:48:33,390

Canberra the Canberra skeptics want you

1039

00:48:39,890 --> 00:48:36,239

to know that this Wednesday night the

1040

00:48:42,440 --> 00:48:39,900

11th of march from 6pm til 730 p.m. at

1041

00:48:46,160 --> 00:48:42,450

the Aynsley football club you can enjoy

1042

00:48:50,870 --> 00:48:46,170

a free talk by dr. Vanessa beanland the

1043

00:48:54,410 --> 00:48:50,880

dark side of visual attention why do we

1044

00:48:56,630 --> 00:48:54,420

sometimes fail to notice the obvious

1045

00:48:58,789 --> 00:48:56,640

most people believe that what they see

1046

00:49:01,249 --> 00:48:58,799

is a faithful representation of what

1047

00:49:03,319 --> 00:49:01,259

actually exists in the world this notion

1048

00:49:05,509 --> 00:49:03,329

provides the rationale for giving

1049

00:49:08,120 --> 00:49:05,519

credibility to eyewitness accounts and

1050

00:49:10,339 --> 00:49:08,130

using human observers as much guards

1051  
00:49:14,569 --> 00:49:10,349  
research into visual attention however

1052  
00:49:17,870 --> 00:49:14,579  
has revealed that consistently seeing is

1053  
00:49:20,539 --> 00:49:17,880  
more complex than simply looking dinner

1054  
00:49:23,239 --> 00:49:20,549  
will follow the lecture by the way but

1055  
00:49:28,759 --> 00:49:23,249  
you need to RSVP for that look just head

1056  
00:49:44,150 --> 00:49:28,769  
for ww Canberra skeptics tau for more

1057  
00:49:48,120 --> 00:49:46,650  
thank you for listening to the skeptic

1058  
00:49:50,130 --> 00:49:48,130  
zone coming up in the next week's we've

1059  
00:49:52,020 --> 00:49:50,140  
got some more from my July bastyr more

1060  
00:49:54,030 --> 00:49:52,030  
from Heidi Robertson the raw skeptic and

1061  
00:49:55,920 --> 00:49:54,040  
maybe some more from you may not who

1062  
00:49:57,720 --> 00:49:55,930  
knows that's right in between I'm on

1063  
00:49:59,190 --> 00:49:57,730

tour with Village People this i'm on

1064

00:50:01,170 --> 00:49:59,200

till wood village people so keep an eye

1065

00:50:03,270 --> 00:50:01,180

out for me in Wollongong and Penrith

1066

00:50:05,640 --> 00:50:03,280

around you around new south wales this

1067

00:50:07,530 --> 00:50:05,650

week Wollongong and Penner what were the

1068

00:50:08,970 --> 00:50:07,540

dates for the EO Wollongong Friday night

1069

00:50:10,710 --> 00:50:08,980

of course Wollongong and said their

1070

00:50:12,840 --> 00:50:10,720

night penrith see you there Village

1071

00:50:14,850 --> 00:50:12,850

People fans and remember it's not the

1072

00:50:16,560 --> 00:50:14,860

village people there are collective noun

1073

00:50:18,630 --> 00:50:16,570

there from people from the Greenwich

1074

00:50:20,430 --> 00:50:18,640

Village so they're just village people

1075

00:50:23,610 --> 00:50:20,440

you learn something every day even if

1076

00:50:24,690 --> 00:50:23,620

you don't want to well that's good i

1077

00:50:27,180 --> 00:50:24,700

hope you have a good time with that

1078

00:50:28,380 --> 00:50:27,190

Maynard and once again everybody thanks

1079

00:50:30,120 --> 00:50:28,390

for listening thanks for those people

1080

00:50:32,910 --> 00:50:30,130

who support the skeptic zone muchly

1081

00:50:36,300 --> 00:50:32,920

appreciated and until next week this is

1082

00:50:37,980 --> 00:50:36,310

Richard end Maynard saying it's not you

1083

00:50:40,040 --> 00:50:37,990

can't stop the music the name of the

1084

00:50:44,070 --> 00:50:40,050

movie is just can't stop the music

1085

00:50:50,640 --> 00:50:44,080

signing off from Sydney Australia I said

1086

00:50:53,160 --> 00:50:50,650

young man you've been listening to the

1087

00:50:56,970 --> 00:50:53,170

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1088

00:51:00,300 --> 00:50:56,980

at wwc a petting zoo TV for contacts an

1089

00:51:03,450 --> 00:51:00,310

archive of all episodes since 2008 and

1090

00:51:05,490 --> 00:51:03,460

our online store please support the

1091

00:51:08,850 --> 00:51:05,500

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1092

00:51:12,360 --> 00:51:08,860

at skeptic zone liking us on facebook

1093

00:51:13,890 --> 00:51:12,370

and leaving a review on iTunes you can

1094

00:51:17,700 --> 00:51:13,900

also show your support by subscribing

1095

00:51:20,760 --> 00:51:17,710

via paypal for as little as 99 cents a

1096

00:51:22,380 --> 00:51:20,770

week the skeptic zone is an independent

1097

00:51:24,810 --> 00:51:22,390

production the views and opinions

1098

00:51:26,910 --> 00:51:24,820

expressed on the skeptic zone and not