

The Skeptic Zone
Show 278 - 16 Feb 2014



Prof. Richard Wiseman

1
00:00:22,870 --> 00:00:09,190
welcome to the skeptic zone the podcast

2
00:00:27,429 --> 00:00:24,950
hello and welcome to the skeptic's own

3
00:00:31,269 --> 00:00:27,439
episode number 278

4
00:00:34,229 --> 00:00:31,279
for the 16th of february 2014. richard

5
00:00:37,190 --> 00:00:34,239
saunders here with you from a soggy

6
00:00:39,510 --> 00:00:37,200
soggy and humid sydney australia coming

7
00:00:41,910 --> 00:00:39,520
up on this week's show one of my

8
00:00:42,950 --> 00:00:41,920
favorite people to have a chat to

9
00:00:45,270 --> 00:00:42,960
yeah and

10
00:00:46,470 --> 00:00:45,280
spend some time with uh very rarely and

11
00:00:49,430 --> 00:00:46,480
occasionally

12
00:00:50,950 --> 00:00:49,440
professor richard wiseman from the uk

13
00:00:53,189 --> 00:00:50,960

we're going to be talking about his

14

00:00:55,910 --> 00:00:53,199

really interesting

15

00:00:59,110 --> 00:00:55,920

online videos at quirkology

16

00:01:03,110 --> 00:00:59,120

how to trick people how to win bets

17

00:01:04,390 --> 00:01:03,120

illusions magic tricks curiosities mind

18

00:01:06,710 --> 00:01:04,400

tricks

19

00:01:08,469 --> 00:01:06,720

such a fascinating area and richard

20

00:01:11,510 --> 00:01:08,479

wiseman does it so well he's also

21

00:01:13,750 --> 00:01:11,520

written lots of books he he speaks

22

00:01:16,070 --> 00:01:13,760

around the world and you can find out

23

00:01:18,789 --> 00:01:16,080

more about all these adventures and

24

00:01:20,950 --> 00:01:18,799

videos coming up on this week's episode

25

00:01:23,350 --> 00:01:20,960

of the skeptic zone

26

00:01:25,190 --> 00:01:23,360

not too far away and following dr

27

00:01:26,710 --> 00:01:25,200

richard wiseman it's a week in science

28

00:01:28,230 --> 00:01:26,720

for our good friends at the royal

29

00:01:31,830 --> 00:01:28,240

institution of australia at

30

00:01:35,590 --> 00:01:33,830

but before we get into that i've been uh

31

00:01:37,990 --> 00:01:35,600

sent a couple of announcements a couple

32

00:01:40,149 --> 00:01:38,000

of things to run by you

33

00:01:41,510 --> 00:01:40,159

you might be interested if you're in

34

00:01:45,190 --> 00:01:41,520

melbourne

35

00:01:51,270 --> 00:01:45,200

uh

36

00:01:53,190 --> 00:01:51,280

york on the 14th of april

37

00:01:56,149 --> 00:01:53,200

or if you're in the san francisco bay

38

00:01:58,550 --> 00:01:56,159

area around the 9th of june

39

00:02:01,670 --> 00:01:58,560

you might be interested in the applied

40

00:02:02,789 --> 00:02:01,680

rationality workshops these workshops

41

00:02:05,030 --> 00:02:02,799

have only just been brought to my

42

00:02:06,389 --> 00:02:05,040

attention they look pretty interesting i

43

00:02:09,830 --> 00:02:06,399

notice there's one in melbourne on

44

00:02:11,190 --> 00:02:09,840

february the 21st sold out already

45

00:02:15,190 --> 00:02:11,200

look for more information go to

46

00:02:18,949 --> 00:02:17,430

workshops there will be a link on the

47

00:02:20,390 --> 00:02:18,959

show notes for this episode of the

48

00:02:23,350 --> 00:02:20,400

skeptic zone

49

00:02:25,910 --> 00:02:23,360

might be worth checking out also thank

50

00:02:27,510 --> 00:02:25,920

you for those people from brazil

51
00:02:29,190 --> 00:02:27,520
who have been riding in after last

52
00:02:31,110 --> 00:02:29,200
week's episode where we interviewed rob

53
00:02:33,910 --> 00:02:31,120
who was visiting from brazil

54
00:02:36,869 --> 00:02:33,920
and thanks to nix who wrote to me

55
00:02:38,949 --> 00:02:36,879
to mention there are a few skeptical

56
00:02:40,550 --> 00:02:38,959
organizations in brazil well hardly a

57
00:02:42,550 --> 00:02:40,560
surprise

58
00:02:44,070 --> 00:02:42,560
and i'll be uh putting a link to those

59
00:02:46,630 --> 00:02:44,080
organizations

60
00:02:49,509 --> 00:02:46,640
on the website as well we've got flying

61
00:02:51,509 --> 00:02:49,519
teapot rationalist society green lantern

62
00:02:53,030 --> 00:02:51,519
troop

63
00:02:54,390 --> 00:02:53,040

brazil now that would be an interesting

64

00:02:58,150 --> 00:02:54,400

place to visit

65

00:03:00,070 --> 00:02:58,160

oh yeah oh yeah drifting down the amazon

66

00:03:02,869 --> 00:03:00,080

on a raft

67

00:03:04,229 --> 00:03:02,879

counting snakes or something like that

68

00:03:06,869 --> 00:03:04,239

that's where the world cup's going to be

69

00:03:08,869 --> 00:03:06,879

soon and the olympics hmm

70

00:03:10,070 --> 00:03:08,879

i wonder if i can wang myself a visit to

71

00:03:11,830 --> 00:03:10,080

brazil

72

00:03:13,589 --> 00:03:11,840

i wonder

73

00:03:15,509 --> 00:03:13,599

oh and one quick uh

74

00:03:16,790 --> 00:03:15,519

thing before we get stuck into the show

75

00:03:18,949 --> 00:03:16,800

again from our friends at the royal

76

00:03:21,670 --> 00:03:18,959

institution of australia coming to

77

00:03:24,550 --> 00:03:21,680

australia the science of doctor who

78

00:03:28,470 --> 00:03:24,560

presented by rios in association with

79

00:03:31,350 --> 00:03:28,480

bbc worldwide australia and new zealand

80

00:03:34,070 --> 00:03:31,360

exploring the science behind the fiction

81

00:03:36,309 --> 00:03:34,080

live on stage tickets available now look

82

00:03:38,550 --> 00:03:36,319

it's going to be in perth in the 26th of

83

00:03:41,589 --> 00:03:38,560

april brisbane the 10th of may

84

00:03:43,830 --> 00:03:41,599

sydney the 23rd 24th 25th of may

85

00:03:46,869 --> 00:03:43,840

adelaide the 31st of may melbourne the

86

00:03:49,350 --> 00:03:46,879

13th 14th and 15th of june

87

00:03:50,630 --> 00:03:49,360

the science of doctor who oh i've got to

88

00:03:53,350 --> 00:03:50,640

go along with this one for more

89

00:03:56,229 --> 00:03:53,360

information for more information r-i-a-s

90

00:03:58,710 --> 00:03:56,239

dot org dot a-u-slash

91

00:04:00,550 --> 00:03:58,720

doctor who oh i used to love doctor who

92

00:04:02,149 --> 00:04:00,560

in the 70s watching tom baker with these

93

00:04:03,350 --> 00:04:02,159

jelly babies i don't have any jelly

94

00:04:04,309 --> 00:04:03,360

babies

95

00:04:07,509 --> 00:04:04,319

with me

96

00:04:12,470 --> 00:04:09,990

is a nice big packet of licorice all

97

00:04:14,470 --> 00:04:12,480

sorts the next best thing i guess

98

00:04:16,469 --> 00:04:14,480

and these are thanks to my mum

99

00:04:19,189 --> 00:04:16,479

over the weekend i went down to uh my

100

00:04:21,030 --> 00:04:19,199

mum's 80th birthday party

101
00:04:28,629 --> 00:04:21,040
and she gave me a packet of licorice all

102
00:04:33,189 --> 00:04:31,590
happy birthday mum

103
00:04:35,909 --> 00:04:33,199
and why i'm enjoying this lovely

104
00:05:07,350 --> 00:04:35,919
licorice all sort i hope you enjoy the

105
00:05:11,350 --> 00:05:09,189
these plates contain the same amount of

106
00:05:12,950 --> 00:05:11,360
food but the portion looks much bigger

107
00:05:14,950 --> 00:05:12,960
on the smaller plate

108
00:05:19,350 --> 00:05:14,960
so replace larger plates with smaller

109
00:05:23,350 --> 00:05:21,029
don't reach for snacks using your

110
00:05:25,270 --> 00:05:23,360
dominant hand instead use your

111
00:05:29,270 --> 00:05:25,280
non-dominant hand and you'll end up

112
00:05:33,510 --> 00:05:31,350
short wide glasses look like they

113
00:05:36,070 --> 00:05:33,520

contain the same amount of liquid as a

114

00:05:38,950 --> 00:05:36,080

tall thin one but that's an illusion

115

00:05:43,270 --> 00:05:38,960

actually they hold far more to cut down

116

00:05:48,390 --> 00:05:45,510

then there's the power of mirrors in one

117

00:05:50,469 --> 00:05:48,400

experiment psychologist brad bushman hi

118

00:05:52,870 --> 00:05:50,479

there i'm brad bushman place both

119

00:05:55,430 --> 00:05:52,880

healthy and unhealthy food on a table

120

00:05:57,350 --> 00:05:55,440

and asked people to snack away when he

121

00:05:59,590 --> 00:05:57,360

placed a mirror behind the food they

122

00:06:01,749 --> 00:05:59,600

became more self-conscious and ate more

123

00:06:05,990 --> 00:06:01,759

healthily so try placing a mirror in

124

00:06:08,230 --> 00:06:06,000

your kitchen or on the refrigerator door

125

00:06:11,110 --> 00:06:08,240

you'll consume fewer calories each day

126

00:06:13,110 --> 00:06:11,120

if you chew gum when you feel hungry and

127

00:06:15,110 --> 00:06:13,120

go for fruit flavoured gum because mint

128

00:06:17,110 --> 00:06:15,120

flavor makes some healthy food taste

129

00:06:19,430 --> 00:06:17,120

strange

130

00:06:21,749 --> 00:06:19,440

people who eat quickly consume more to

131

00:06:24,150 --> 00:06:21,759

eat less just slow down and perhaps put

132

00:06:26,710 --> 00:06:24,160

your fork or spoon down between each

133

00:06:30,950 --> 00:06:28,629

research shows that people eat fewer

134

00:06:33,029 --> 00:06:30,960

snacks when they're served on red plates

135

00:06:36,070 --> 00:06:33,039

perhaps because red is associated with

136

00:06:39,189 --> 00:06:36,080

stop either way when you have the choice

137

00:06:41,189 --> 00:06:39,199

go for red plates and bowls

138

00:06:43,350 --> 00:06:41,199

you eat more when you watch television

139

00:06:45,350 --> 00:06:43,360

and so simply turning off your tv at

140

00:06:48,710 --> 00:06:45,360

mealtimes means that you'll consume up

141

00:06:50,629 --> 00:06:48,720

to 50 percent less

142

00:06:52,550 --> 00:06:50,639

just taking a photograph of all of the

143

00:06:54,790 --> 00:06:52,560

unhealthy food that you eat will help

144

00:06:58,390 --> 00:06:54,800

you cut down on unhealthy eating by

145

00:07:01,990 --> 00:06:59,670

whenever we see lots of different

146

00:07:04,629 --> 00:07:02,000

varieties of food we're tempted to try

147

00:07:06,870 --> 00:07:04,639

some of each to eat less serve the same

148

00:07:07,990 --> 00:07:06,880

amount of food but cut down on the

149

00:07:10,390 --> 00:07:08,000

variety

150

00:07:14,390 --> 00:07:10,400

for more life-changing ideas visit our

151

00:07:16,150 --> 00:07:14,400

new youtube channel in 59 seconds

152

00:07:17,670 --> 00:07:16,160

and joining me on the line now all the

153

00:07:20,870 --> 00:07:17,680

way from the

154

00:07:23,430 --> 00:07:20,880

the sunny shores of uh scotland one

155

00:07:25,990 --> 00:07:23,440

might say it's dr richard wiseman

156

00:07:28,550 --> 00:07:26,000

professor indeed hello hello nice nice

157

00:07:30,870 --> 00:07:28,560

to be here and uh yes indeed it for once

158

00:07:33,350 --> 00:07:30,880

it's uh it's sunny it's sunny and lovely

159

00:07:35,589 --> 00:07:33,360

in edinburgh so um yes lovely lovely to

160

00:07:37,510 --> 00:07:35,599

be here yeah we've been certainly seeing

161

00:07:38,950 --> 00:07:37,520

uh here on the news in australia and i'm

162

00:07:39,909 --> 00:07:38,960

sure our friends around the world have

163

00:07:43,110 --> 00:07:39,919

been uh

164

00:07:44,950 --> 00:07:43,120

uh seeing the horrible um storms and

165

00:07:46,550 --> 00:07:44,960

floods in the uk at the moment it's

166

00:07:48,070 --> 00:07:46,560

quite dramatic

167

00:07:49,909 --> 00:07:48,080

it's it's not good i think the folks

168

00:07:52,309 --> 00:07:49,919

down south are suffering a bit it must

169

00:07:54,150 --> 00:07:52,319

be a terrible thing to happen and um

170

00:07:56,469 --> 00:07:54,160

yeah so you sort of keep seeing the news

171

00:07:58,469 --> 00:07:56,479

and uh it's a hard thing to cope with

172

00:08:01,189 --> 00:07:58,479

water coming into your house i'd imagine

173

00:08:03,510 --> 00:08:01,199

um so my my feelings my heart goes out

174

00:08:05,110 --> 00:08:03,520

to them it's quite extraordinary because

175

00:08:07,510 --> 00:08:05,120

just in this last week we've had

176

00:08:09,350 --> 00:08:07,520

devastating bushfires in this country

177

00:08:11,589 --> 00:08:09,360

and people losing their houses to the

178

00:08:13,430 --> 00:08:11,599

fire in the united states our friends

179

00:08:16,230 --> 00:08:13,440

there especially on the east coast are

180

00:08:18,309 --> 00:08:16,240

under uh a ridiculously

181

00:08:20,390 --> 00:08:18,319

huge mountain of snow and all snowed in

182

00:08:22,790 --> 00:08:20,400

and there's floods i wonder is this all

183

00:08:25,270 --> 00:08:22,800

signs richard what's happening

184

00:08:27,830 --> 00:08:25,280

i think it's signs from god that's how i

185

00:08:30,230 --> 00:08:27,840

see it um that we have done something

186

00:08:32,310 --> 00:08:30,240

bad um that's that's my test my

187

00:08:33,829 --> 00:08:32,320

scientific take on it i don't know i i

188

00:08:35,829 --> 00:08:33,839

don't know enough about climate change

189

00:08:38,790 --> 00:08:35,839

to know um if that's the the culprit i

190

00:08:40,389 --> 00:08:38,800

suspect it's a likely candidate um so

191

00:08:42,389 --> 00:08:40,399

yes let's let's get those climate

192

00:08:44,949 --> 00:08:42,399

deniers uh climate change deniers on the

193

00:08:46,389 --> 00:08:44,959

line and see what they think is going on

194

00:08:47,829 --> 00:08:46,399

yeah we tried to get them earlier but

195

00:08:49,910 --> 00:08:47,839

they're snowdean unfortunately or

196

00:08:52,630 --> 00:08:49,920

something

197

00:08:55,509 --> 00:08:52,640

now richard i first met you

198

00:08:58,230 --> 00:08:55,519

uh in the year 2000 when you were here

199

00:09:00,790 --> 00:08:58,240

attending um a big skeptical convention

200

00:09:03,910 --> 00:09:00,800

then and my very earliest memories of

201
00:09:07,030 --> 00:09:03,920
seeing you were on stage we were very

202
00:09:10,310 --> 00:09:07,040
thin at the time and i think you

203
00:09:12,710 --> 00:09:10,320
said uh in your talk that you had

204
00:09:14,870 --> 00:09:12,720
recently been to india

205
00:09:16,870 --> 00:09:14,880
or if i'm maybe misremembering because

206
00:09:19,269 --> 00:09:16,880
you showed a clip which is a very famous

207
00:09:21,350 --> 00:09:19,279
clip now about you conducting some fire

208
00:09:23,030 --> 00:09:21,360
walking tests in the uk and i think in

209
00:09:24,470 --> 00:09:23,040
that in the clip you said you were very

210
00:09:26,630 --> 00:09:24,480
thin because you just came back from

211
00:09:28,630 --> 00:09:26,640
india that's some time ago now but that

212
00:09:31,430 --> 00:09:28,640
clip is still being used

213
00:09:33,269 --> 00:09:31,440

it is um it's one of my favorite clips

214

00:09:34,550 --> 00:09:33,279

and i i think you're right i think your

215

00:09:37,430 --> 00:09:34,560

memory is better than mine on that

216

00:09:39,590 --> 00:09:37,440

because i just been to india to look at

217

00:09:41,430 --> 00:09:39,600

sai baba and some of the other um sort

218

00:09:44,310 --> 00:09:41,440

of gurus out there with a icelandic

219

00:09:47,110 --> 00:09:44,320

parasycologist called erlinda haroldson

220

00:09:48,949 --> 00:09:47,120

and uh yes i lost a fair amount of

221

00:09:50,630 --> 00:09:48,959

weight as lots of people do when they go

222

00:09:52,630 --> 00:09:50,640

to india uh and then i came straight

223

00:09:54,949 --> 00:09:52,640

back and did the um the fire walking for

224

00:09:56,389 --> 00:09:54,959

uh for the bbc um where we had some

225

00:09:58,389 --> 00:09:56,399

firewalkers who said it was all

226

00:10:00,070 --> 00:09:58,399

paranormal and that they could therefore

227

00:10:02,790 --> 00:10:00,080

walk further than scientists would

228

00:10:04,550 --> 00:10:02,800

advise them to uh and they gave it a go

229

00:10:07,590 --> 00:10:04,560

and they burnt their feet um fairly

230

00:10:09,269 --> 00:10:07,600

badly live on television so um yes it's

231

00:10:11,670 --> 00:10:09,279

still one of my favorite clips and i

232

00:10:14,230 --> 00:10:11,680

think the clip the bbc science has had

233

00:10:16,470 --> 00:10:14,240

the most complaints for ever i think

234

00:10:18,230 --> 00:10:16,480

we still hold that record uh because you

235

00:10:20,230 --> 00:10:18,240

saw lots of people burn themselves live

236

00:10:21,990 --> 00:10:20,240

so um yeah it was uh

237

00:10:25,430 --> 00:10:22,000

exciting times now that's quite

238

00:10:28,069 --> 00:10:25,440

interesting because it was um it was

239

00:10:30,790 --> 00:10:28,079

no nobody was burning these people that

240

00:10:33,110 --> 00:10:30,800

they did it to themselves

241

00:10:35,430 --> 00:10:33,120

yeah they were experienced firewalkers

242

00:10:37,350 --> 00:10:35,440

um they had only walked previously over

243

00:10:38,710 --> 00:10:37,360

sort of 10 or 15 feet of coals which

244

00:10:39,829 --> 00:10:38,720

because the the scientists say well

245

00:10:41,269 --> 00:10:39,839

you'll be safe on that because there's

246

00:10:43,670 --> 00:10:41,279

not much heat transferred from the coal

247

00:10:45,430 --> 00:10:43,680

to the the sole of their feet um but

248

00:10:47,430 --> 00:10:45,440

they believed they could walk much

249

00:10:49,269 --> 00:10:47,440

further than that by by sort of

250

00:10:51,030 --> 00:10:49,279

meditating and put this energetic force

251
00:10:52,630 --> 00:10:51,040
field around their body and that's what

252
00:10:55,750 --> 00:10:52,640
we put to the test we built a better

253
00:10:57,430 --> 00:10:55,760
coals of 50 or 60 feet long um and they

254
00:10:58,630 --> 00:10:57,440
were very very convinced that they could

255
00:11:00,230 --> 00:10:58,640
do it and we said to them that this is

256
00:11:01,750 --> 00:11:00,240
really dangerous you don't have to do it

257
00:11:03,590 --> 00:11:01,760
you can back out any point and all of

258
00:11:05,350 --> 00:11:03,600
those sorts of things but they went for

259
00:11:06,949 --> 00:11:05,360
it they put their beliefs on the line

260
00:11:08,790 --> 00:11:06,959
and of course even afterwards after they

261
00:11:10,389 --> 00:11:08,800
burped themselves uh didn't change their

262
00:11:11,750 --> 00:11:10,399
beliefs you know this is in line with

263
00:11:13,430 --> 00:11:11,760

lots of other investigations i've

264

00:11:14,550 --> 00:11:13,440

carried out where you know even when

265

00:11:16,870 --> 00:11:14,560

you're presented with that kind of

266

00:11:18,949 --> 00:11:16,880

disconfirming information uh still

267

00:11:20,710 --> 00:11:18,959

people cling on to their beliefs they're

268

00:11:23,750 --> 00:11:20,720

like possessions in that sense we'd like

269

00:11:25,990 --> 00:11:23,760

to have them around us um so yeah that

270

00:11:28,710 --> 00:11:26,000

was uh a long time ago and i don't think

271

00:11:29,750 --> 00:11:28,720

we'll be doing it um anytime soon is my

272

00:11:31,509 --> 00:11:29,760

guess i think actually wouldn't be

273

00:11:33,829 --> 00:11:31,519

allowed nowadays with uh with sort of

274

00:11:35,110 --> 00:11:33,839

new health and safety regulations i

275

00:11:36,630 --> 00:11:35,120

suspect you're right but we're very

276

00:11:37,990 --> 00:11:36,640

pleased you did it way back then and

277

00:11:41,509 --> 00:11:38,000

with your kind

278

00:11:43,509 --> 00:11:41,519

years now when i've been giving talks

279

00:11:46,790 --> 00:11:43,519

around the world i'll often use that

280

00:11:49,590 --> 00:11:46,800

clip and i'm delighted that um

281

00:11:51,670 --> 00:11:49,600

it really really makes the point and the

282

00:11:53,590 --> 00:11:51,680

point i guess there are two points it

283

00:11:55,350 --> 00:11:53,600

makes one is to

284

00:11:58,069 --> 00:11:55,360

address fire walking and look at the

285

00:12:00,069 --> 00:11:58,079

physics of it but for me and i and i

286

00:12:03,509 --> 00:12:00,079

imagine for you too the the more

287

00:12:06,230 --> 00:12:03,519

interesting point is the psychology

288

00:12:08,550 --> 00:12:06,240

yeah absolutely just this notion that

289

00:12:10,550 --> 00:12:08,560

you know the beliefs you have um may be

290

00:12:12,949 --> 00:12:10,560

doing you some some harm now in that

291

00:12:14,790 --> 00:12:12,959

instance it's physical harm uh but

292

00:12:16,230 --> 00:12:14,800

actually i guess the psychologist i'm

293

00:12:18,629 --> 00:12:16,240

more interested in the psychological

294

00:12:21,350 --> 00:12:18,639

harm these things do uh people buy into

295

00:12:22,629 --> 00:12:21,360

the notion of psychics and mediums then

296

00:12:24,150 --> 00:12:22,639

you know you're handing control over

297

00:12:26,150 --> 00:12:24,160

your life to somebody who's often you

298

00:12:28,870 --> 00:12:26,160

know less qualified than you to um to

299

00:12:31,030 --> 00:12:28,880

run it so yeah i think it makes that

300

00:12:33,350 --> 00:12:31,040

that that point it's rather symbolic of

301

00:12:34,870 --> 00:12:33,360

this notion that these beliefs are not

302

00:12:37,190 --> 00:12:34,880

harmless

303

00:12:40,230 --> 00:12:37,200

absolutely right now i noticed that you

304

00:12:42,550 --> 00:12:40,240

are the uh professor of the public

305

00:12:44,550 --> 00:12:42,560

understanding of uh psychology at the

306

00:12:45,910 --> 00:12:44,560

university of hartfordshire which is

307

00:12:46,629 --> 00:12:45,920

quite a title

308

00:12:48,069 --> 00:12:46,639

and

309

00:12:49,910 --> 00:12:48,079

it occurred to me that it's it's an

310

00:12:51,829 --> 00:12:49,920

interesting thing to be

311

00:12:53,110 --> 00:12:51,839

uh to get a public understanding of

312

00:12:54,069 --> 00:12:53,120

psychology

313

00:12:56,470 --> 00:12:54,079

over

314

00:12:58,629 --> 00:12:56,480

uh how successful do you think you have

315

00:13:00,790 --> 00:12:58,639

been and uh it's an awkward question to

316

00:13:02,629 --> 00:13:00,800

ask you i'm sure but i from my point of

317

00:13:04,790 --> 00:13:02,639

view i mean given all that your online

318

00:13:06,790 --> 00:13:04,800

activities and we'll get to that soon

319

00:13:09,670 --> 00:13:06,800

you must be experienced a certain degree

320

00:13:12,150 --> 00:13:09,680

of satisfaction or success

321

00:13:14,069 --> 00:13:12,160

um you know these things are really hard

322

00:13:15,590 --> 00:13:14,079

to measure um if you try and measure

323

00:13:16,790 --> 00:13:15,600

whether you're affecting you know

324

00:13:18,870 --> 00:13:16,800

people's beliefs or how much they

325

00:13:21,110 --> 00:13:18,880

understand about psychology or whatever

326

00:13:22,629 --> 00:13:21,120

they're quite squishy things to try and

327

00:13:24,870 --> 00:13:22,639

put numbers to

328

00:13:26,550 --> 00:13:24,880

i think all you can do is sort of

329

00:13:29,269 --> 00:13:26,560

point to the the sales of the books or

330

00:13:30,949 --> 00:13:29,279

the the sort of online uh work or the

331

00:13:33,269 --> 00:13:30,959

talks the number of people coming and

332

00:13:35,750 --> 00:13:33,279

kind of going well it's getting the word

333

00:13:38,310 --> 00:13:35,760

out there um and of course we hope then

334

00:13:39,590 --> 00:13:38,320

people become energized and because my

335

00:13:41,750 --> 00:13:39,600

favorite thing whether it's with the

336

00:13:43,509 --> 00:13:41,760

online work or with the books whatever

337

00:13:45,269 --> 00:13:43,519

is when you get the emails from um you

338

00:13:47,110 --> 00:13:45,279

know kids who are going oh my goodness

339

00:13:49,509 --> 00:13:47,120

because of you i became interested in

340

00:13:51,110 --> 00:13:49,519

psychology um and and those are the

341

00:13:52,790 --> 00:13:51,120

moments that you think and feel that

342

00:13:54,629 --> 00:13:52,800

you're making a real difference in in

343

00:13:56,550 --> 00:13:54,639

someone's life so yeah fingers crossed

344

00:13:58,710 --> 00:13:56,560

to me i've been doing it for 10 15 years

345

00:14:01,030 --> 00:13:58,720

now um hopefully it's affected at least

346

00:14:02,629 --> 00:14:01,040

one person somewhere in the world uh

347

00:14:05,189 --> 00:14:02,639

that that's that's my goal that was my

348

00:14:07,110 --> 00:14:05,199

goal 15 years ago was due to effect with

349

00:14:08,949 --> 00:14:07,120

just one person somewhere in the world i

350

00:14:11,509 --> 00:14:08,959

set the bar low in order to be

351

00:14:13,590 --> 00:14:11,519

enormously successful

352

00:14:15,829 --> 00:14:13,600

that's one way to look at it yeah and

353

00:14:17,910 --> 00:14:15,839

along the way i've i've been most

354

00:14:20,870 --> 00:14:17,920

impressed to uh to see over the years

355

00:14:23,350 --> 00:14:20,880

that you've been uh very uh diligent in

356

00:14:25,069 --> 00:14:23,360

the um writing department we've got lots

357

00:14:28,870 --> 00:14:25,079

of books coming out from you

358

00:14:32,470 --> 00:14:28,880

59 seconds the science experiments books

359

00:14:34,949 --> 00:14:32,480

paranormality quirkology of course and

360

00:14:37,829 --> 00:14:34,959

night school is that a newer one

361

00:14:40,150 --> 00:14:37,839

night school isn't out yet it's um it's

362

00:14:41,829 --> 00:14:40,160

published here at the end of march so as

363

00:14:43,350 --> 00:14:41,839

i look across my desk i see the

364

00:14:44,550 --> 00:14:43,360

manuscript sitting over the other side

365

00:14:47,269 --> 00:14:44,560

of the desk there

366

00:14:50,069 --> 00:14:47,279

um so yes yeah i've been um it takes

367

00:14:51,670 --> 00:14:50,079

about six months to um to write a book

368

00:14:53,910 --> 00:14:51,680

uh and

369

00:14:56,870 --> 00:14:53,920

i kind of just got into the habit i

370

00:14:59,350 --> 00:14:56,880

love it i enjoy the kind of

371

00:15:02,389 --> 00:14:59,360

the challenges of taking academic

372

00:15:03,990 --> 00:15:02,399

psychology and then having to

373

00:15:05,829 --> 00:15:04,000

kind of write about in a way that

374

00:15:06,949 --> 00:15:05,839

hopefully engages people who may not

375

00:15:09,350 --> 00:15:06,959

understand very much about how

376

00:15:11,350 --> 00:15:09,360

psychologists do what they do so often

377

00:15:12,710 --> 00:15:11,360

people's only contact with psychologists

378

00:15:14,710 --> 00:15:12,720

is when they have a problem you know

379

00:15:16,870 --> 00:15:14,720

they'll go and see a clinician or a

380

00:15:18,470 --> 00:15:16,880

educational psychologist or whatever and

381

00:15:19,910 --> 00:15:18,480

of course most psychologists aren't like

382

00:15:22,389 --> 00:15:19,920

that they're research based they're

383

00:15:23,590 --> 00:15:22,399

looking at uh whatever motivation or you

384

00:15:26,069 --> 00:15:23,600

know how you get people to give up

385

00:15:28,550 --> 00:15:26,079

smoking or whatever it is and so i guess

386

00:15:30,150 --> 00:15:28,560

my role is to take that material and and

387

00:15:32,310 --> 00:15:30,160

write about it hopefully in a way in

388

00:15:33,910 --> 00:15:32,320

which it's accessible to people so nice

389

00:15:36,389 --> 00:15:33,920

school is is all about the the science

390

00:15:37,590 --> 00:15:36,399

of sleep and dreaming um so yes that's

391

00:15:39,350 --> 00:15:37,600

what i'll be talking about i guess for

392

00:15:41,110 --> 00:15:39,360

the next sort of four or five months

393

00:15:42,949 --> 00:15:41,120

which i love the topic so i'm really

394

00:15:45,269 --> 00:15:42,959

looking forward to it sleep and dreaming

395

00:15:49,430 --> 00:15:45,279

what an interesting topic because not so

396

00:15:52,949 --> 00:15:49,440

long ago you released an app all about

397

00:15:54,470 --> 00:15:52,959

um trying to influence people's dreams

398

00:15:56,550 --> 00:15:54,480

you very good friend you've done your

399

00:15:58,790 --> 00:15:56,560

homework uh i did it's called dream on

400

00:16:01,189 --> 00:15:58,800

uh we've had uh half a million downloads

401
00:16:02,870 --> 00:16:01,199
of it um and yes it was an attempt to

402
00:16:05,269 --> 00:16:02,880
try and influence people's dreams by

403
00:16:06,710 --> 00:16:05,279
playing uh what we called soundscapes in

404
00:16:08,310 --> 00:16:06,720
while they were dreaming

405
00:16:10,069 --> 00:16:08,320
and in the morning they were prompted to

406
00:16:12,949 --> 00:16:10,079
report their dreams so here we have

407
00:16:15,110 --> 00:16:12,959
about 10 000 um dream reports and the

408
00:16:16,949 --> 00:16:15,120
book uh describes all of that work and

409
00:16:18,870 --> 00:16:16,959
gives the results which i'm not allowed

410
00:16:20,870 --> 00:16:18,880
to talk about until the end of march um

411
00:16:22,629 --> 00:16:20,880
but they're very exciting that's all i'm

412
00:16:24,470 --> 00:16:22,639
prepared to say don't push me on it

413
00:16:25,910 --> 00:16:24,480

they're very exciting so what are the

414

00:16:27,829 --> 00:16:25,920

results richard

415

00:16:29,509 --> 00:16:27,839

don't push me on it i asked you not to

416

00:16:31,509 --> 00:16:29,519

push me on it

417

00:16:33,269 --> 00:16:31,519

it's quite interesting

418

00:16:36,150 --> 00:16:33,279

the whole thing was a complete disaster

419

00:16:39,030 --> 00:16:36,160

no no no um don't push me on it that's

420

00:16:41,269 --> 00:16:39,040

all i ask uh i will at the end of march

421

00:16:42,310 --> 00:16:41,279

i'll tell you i'll email you all right

422

00:16:44,870 --> 00:16:42,320

personally i'll shout it through your

423

00:16:47,110 --> 00:16:44,880

letterbox thank you thank you i i can't

424

00:16:49,030 --> 00:16:47,120

wait i can't wait because

425

00:16:51,590 --> 00:16:49,040

it's an interesting thing because

426

00:16:54,150 --> 00:16:51,600

personally um i often fall asleep with a

427

00:16:55,749 --> 00:16:54,160

pair of earbuds in just to help myself

428

00:16:58,150 --> 00:16:55,759

drift off listening to this that or the

429

00:17:00,949 --> 00:16:58,160

other and occasionally i'll in the wee

430

00:17:02,310 --> 00:17:00,959

small hours uh if it's still on whatever

431

00:17:05,669 --> 00:17:02,320

i'm listening to especially if it's the

432

00:17:07,829 --> 00:17:05,679

radio suddenly the people talking in

433

00:17:09,829 --> 00:17:07,839

uh on the radio will be characters in my

434

00:17:10,949 --> 00:17:09,839

dream so i can understand how that might

435

00:17:12,870 --> 00:17:10,959

happen

436

00:17:15,270 --> 00:17:12,880

oh yeah i mean this this notion of

437

00:17:17,270 --> 00:17:15,280

what's called dream intrusion um is very

438

00:17:20,390 --> 00:17:17,280

well established and has been

439

00:17:21,909 --> 00:17:20,400

very well documented since the 60s um

440

00:17:23,510 --> 00:17:21,919

and and some people have it more than

441

00:17:26,390 --> 00:17:23,520

others and certain stimuli rather than

442

00:17:28,069 --> 00:17:26,400

others and so on but around about 50 to

443

00:17:28,950 --> 00:17:28,079

people if you put into a sleep lab and

444

00:17:31,430 --> 00:17:28,960

then

445

00:17:34,070 --> 00:17:31,440

play in something uh it will influence

446

00:17:36,630 --> 00:17:34,080

their their dream so it's a fascinating

447

00:17:39,510 --> 00:17:36,640

set of uh studies and then one of the

448

00:17:40,950 --> 00:17:39,520

questions that i have is what can you do

449

00:17:42,549 --> 00:17:40,960

with that isn't you know we don't just

450

00:17:44,390 --> 00:17:42,559

dream for the fun of it our dreams have

451

00:17:46,230 --> 00:17:44,400

function they do something in our life

452

00:17:47,909 --> 00:17:46,240

and if you can influence people's dreams

453

00:17:50,789 --> 00:17:47,919

have you got a chance then influencing

454

00:17:52,950 --> 00:17:50,799

their waking state and mood

455

00:17:54,549 --> 00:17:52,960

so it's a fascinating area i mean the

456

00:17:57,029 --> 00:17:54,559

fact that we obviously spend about a

457

00:17:59,510 --> 00:17:57,039

third of our lives um asleep and up

458

00:18:01,510 --> 00:17:59,520

until the 1950s knew nothing about that

459

00:18:03,430 --> 00:18:01,520

area you know you put people on the moon

460

00:18:06,070 --> 00:18:03,440

and you dive deep under the seas but we

461

00:18:08,230 --> 00:18:06,080

had a third of our life uh which was a

462

00:18:09,830 --> 00:18:08,240

complete unknown to us and and so since

463

00:18:11,669 --> 00:18:09,840

then there's been this explosion of

464

00:18:13,510 --> 00:18:11,679

research and the book kind of guides

465

00:18:15,590 --> 00:18:13,520

people through that excellent one to

466

00:18:16,950 --> 00:18:15,600

really look out for and in fact i'll

467

00:18:17,909 --> 00:18:16,960

certainly look forward to seeing that

468

00:18:20,070 --> 00:18:17,919

myself

469

00:18:22,230 --> 00:18:20,080

uh and just talking about the apps and

470

00:18:25,430 --> 00:18:22,240

and doing things

471

00:18:27,590 --> 00:18:25,440

online in that respect a couple of years

472

00:18:30,470 --> 00:18:27,600

ago i was very

473

00:18:34,070 --> 00:18:30,480

tough to download an app that you

474

00:18:36,310 --> 00:18:34,080

created or had a hand in which was um

475

00:18:37,990 --> 00:18:36,320

a great fun and i got enormous mileage

476

00:18:39,590 --> 00:18:38,000

out of it especially with my young

477

00:18:43,270 --> 00:18:39,600

nieces and nephews

478

00:18:44,549 --> 00:18:43,280

is uh it was uh mimicking a psychic act

479

00:18:46,789 --> 00:18:44,559

and i'm just trying to remember the name

480

00:18:49,029 --> 00:18:46,799

of the app now yes funnily enough so am

481

00:18:51,350 --> 00:18:49,039

i uh it was uh

482

00:18:52,950 --> 00:18:51,360

it's telepathic is it telepath yeah

483

00:18:54,470 --> 00:18:52,960

telepathical

484

00:18:55,750 --> 00:18:54,480

it was something like that wasn't it

485

00:18:56,870 --> 00:18:55,760

yeah it's so long ago that i'm

486

00:18:59,750 --> 00:18:56,880

struggling to remember as well i think

487

00:19:02,710 --> 00:18:59,760

he might be telepath um and oh it was

488

00:19:04,789 --> 00:19:02,720

good always clever um and my idea so

489

00:19:07,190 --> 00:19:04,799

those three things often uh go together

490

00:19:08,870 --> 00:19:07,200

at least in my mind um but yes

491

00:19:10,310 --> 00:19:08,880

unfortunately i don't think it's around

492

00:19:12,150 --> 00:19:10,320

people to download anymore i think

493

00:19:14,230 --> 00:19:12,160

there's been various sort of uh upgrades

494

00:19:16,470 --> 00:19:14,240

on the app system and we haven't kept

495

00:19:17,750 --> 00:19:16,480

pace with that um and then that's one of

496

00:19:19,510 --> 00:19:17,760

the reasons why i'm saying it's it's

497

00:19:21,750 --> 00:19:19,520

very good because um people can't

498

00:19:23,909 --> 00:19:21,760

download it and find out that i'm lying

499

00:19:26,070 --> 00:19:23,919

um i'm glad you managed to deceive your

500

00:19:27,909 --> 00:19:26,080

your nephews and nieces with it oh it

501
00:19:29,190 --> 00:19:27,919
was it was great fun for those people

502
00:19:31,750 --> 00:19:29,200
who may not have

503
00:19:33,590 --> 00:19:31,760
may not be familiar with it uh it

504
00:19:35,590 --> 00:19:33,600
presented the uh

505
00:19:37,270 --> 00:19:35,600
your audience or your

506
00:19:39,510 --> 00:19:37,280
victim for lack of a better word with

507
00:19:42,310 --> 00:19:39,520
some numbers and pictures and

508
00:19:43,990 --> 00:19:42,320
you asked them to choose one secretly in

509
00:19:46,950 --> 00:19:44,000
their in their mind

510
00:19:49,430 --> 00:19:46,960
and then the app would magically

511
00:19:51,029 --> 00:19:49,440
uh pick the right one and it would uh

512
00:19:52,470 --> 00:19:51,039
really befuddle them and it was very

513
00:19:55,029 --> 00:19:52,480

clever richard

514

00:19:57,110 --> 00:19:55,039

it it it was it was clever i do say so

515

00:19:58,870 --> 00:19:57,120

myself and um it's good that your

516

00:20:01,430 --> 00:19:58,880

nephews and nieces will no longer trust

517

00:20:03,830 --> 00:20:01,440

you um because of it so um it's to me

518

00:20:05,830 --> 00:20:03,840

that's like job done

519

00:20:07,510 --> 00:20:05,840

that's great well there you go well that

520

00:20:09,270 --> 00:20:07,520

leads us on to

521

00:20:11,830 --> 00:20:09,280

probably uh

522

00:20:14,470 --> 00:20:11,840

what a lot of people know you for are

523

00:20:17,190 --> 00:20:14,480

the marvelous online videos um on

524

00:20:19,029 --> 00:20:17,200

quirkology and i think you have even

525

00:20:22,630 --> 00:20:19,039

more more than one youtube channel i

526

00:20:24,789 --> 00:20:22,640

think 59 seconds is another one

527

00:20:25,830 --> 00:20:24,799

if i'm not mistaken but yeah that's

528

00:20:27,510 --> 00:20:25,840

right there's two of them there's

529

00:20:29,510 --> 00:20:27,520

quarkology which was the original one we

530

00:20:32,870 --> 00:20:29,520

started um quite a long time ago now i

531

00:20:35,750 --> 00:20:32,880

think 2007 and then very recently i

532

00:20:37,350 --> 00:20:35,760

started in 59 seconds which is a has a

533

00:20:38,710 --> 00:20:37,360

slightly different feel to it it's a

534

00:20:40,669 --> 00:20:38,720

little bit more in depth about some of

535

00:20:43,909 --> 00:20:40,679

the material and a bit more

536

00:20:46,230 --> 00:20:43,919

psychology-ish um quarkology tends to be

537

00:20:48,789 --> 00:20:46,240

just about you know illusions and bets

538

00:20:51,190 --> 00:20:48,799

and magic tricks where in 59 seconds is

539

00:20:52,390 --> 00:20:51,200

a bit more about some serious psychology

540

00:20:57,990 --> 00:20:52,400

the

541

00:21:00,390 --> 00:20:58,000

unless i'm mistaken is you had a

542

00:21:03,110 --> 00:21:00,400

color changing card trick which has

543

00:21:04,789 --> 00:21:03,120

become very famous and i think it's got

544

00:21:06,710 --> 00:21:04,799

some ridiculous amount of views six

545

00:21:09,029 --> 00:21:06,720

million downloads by now

546

00:21:10,950 --> 00:21:09,039

where basically it was uh showing people

547

00:21:13,590 --> 00:21:10,960

how their observation skills can be

548

00:21:14,549 --> 00:21:13,600

completely um uh filled with and toyed

549

00:21:16,470 --> 00:21:14,559

with

550

00:21:18,870 --> 00:21:16,480

and that really took off and it's and

551

00:21:22,230 --> 00:21:18,880

it's a it's a wonderful clip

552

00:21:24,470 --> 00:21:22,240

yeah it it's all very curious because um

553

00:21:26,070 --> 00:21:24,480

i think that long i was trying to piece

554

00:21:27,669 --> 00:21:26,080

this together recently and there's a

555

00:21:30,950 --> 00:21:27,679

magician a very good musician called

556

00:21:32,470 --> 00:21:30,960

marco tempest and marco had done similar

557

00:21:34,070 --> 00:21:32,480

sorts of things not to do with what's

558

00:21:35,830 --> 00:21:34,080

called change blindness which is is what

559

00:21:37,270 --> 00:21:35,840

the color church card trick is about but

560

00:21:40,310 --> 00:21:37,280

the idea of doing these rather sort of

561

00:21:42,470 --> 00:21:40,320

curious um almost magic tricky videos

562

00:21:44,630 --> 00:21:42,480

and i think i'd seen that and i thought

563

00:21:46,950 --> 00:21:44,640

about doing a one based on a card trick

564

00:21:48,789 --> 00:21:46,960

and with the change blindness and so on

565

00:21:50,549 --> 00:21:48,799

and i planned it in my head for probably

566

00:21:53,029 --> 00:21:50,559

a month or so and then we just had a

567

00:21:54,710 --> 00:21:53,039

spare afternoon in the lab and we just

568

00:21:56,789 --> 00:21:54,720

went out and got some cloth that we

569

00:21:59,830 --> 00:21:56,799

needed to to film the trick and we spent

570

00:22:01,990 --> 00:21:59,840

about 50 pounds on it came back and we

571

00:22:03,990 --> 00:22:02,000

did about 30 or 40 takes because it was

572

00:22:06,470 --> 00:22:04,000

quite tricky to to do

573

00:22:08,390 --> 00:22:06,480

uploaded it and that night and and just

574

00:22:09,669 --> 00:22:08,400

went to bed and then the morning even

575

00:22:12,070 --> 00:22:09,679

then it was up to about sort of a

576

00:22:14,549 --> 00:22:12,080

quarter million views overnight and it

577

00:22:17,029 --> 00:22:14,559

was like wow how did that happen and

578

00:22:19,270 --> 00:22:17,039

then it's just climbed up since then so

579

00:22:21,830 --> 00:22:19,280

we we just kind of you know got a hole

580

00:22:23,190 --> 00:22:21,840

in one of the very first um time we did

581

00:22:24,549 --> 00:22:23,200

it and then the channels built from

582

00:22:25,909 --> 00:22:24,559

there so

583

00:22:27,669 --> 00:22:25,919

yeah one of the things i always say to

584

00:22:29,590 --> 00:22:27,679

people is always just try things on on

585

00:22:30,870 --> 00:22:29,600

youtube because you know it's democracy

586

00:22:32,870 --> 00:22:30,880

out there you just do not know where

587

00:22:36,070 --> 00:22:32,880

these things will lead so um always

588

00:22:37,669 --> 00:22:36,080

worth giving it a go uh yeah it is and i

589

00:22:40,789 --> 00:22:37,679

noticed that that one has been

590

00:22:43,750 --> 00:22:40,799

translated into spanish and which i was

591

00:22:45,510 --> 00:22:43,760

just watching a little while ago must be

592

00:22:46,390 --> 00:22:45,520

funny to see yourself speaking spanish

593

00:22:48,710 --> 00:22:46,400

then

594

00:22:51,270 --> 00:22:48,720

it is and japanese i think there's

595

00:22:53,350 --> 00:22:51,280

japanese subtitles um the clips are very

596

00:22:56,310 --> 00:22:53,360

large in japan they're used on japanese

597

00:22:58,549 --> 00:22:56,320

television quite a lot um so yeah it's

598

00:23:00,710 --> 00:22:58,559

great that something that we film just

599

00:23:02,870 --> 00:23:00,720

for fun the lab you know ends up um

600

00:23:05,510 --> 00:23:02,880

being shown all around the world so um

601
00:23:07,510 --> 00:23:05,520
yeah fun times and you're very

602
00:23:09,590 --> 00:23:07,520
uh very

603
00:23:12,310 --> 00:23:09,600
prolific i guess the the word is with

604
00:23:14,149 --> 00:23:12,320
these videos uh it seems to me that

605
00:23:16,310 --> 00:23:14,159
you've got a uh

606
00:23:18,070 --> 00:23:16,320
you must have a routine of getting out a

607
00:23:20,630 --> 00:23:18,080
certain amount of videos under at a

608
00:23:22,789 --> 00:23:20,640
certain time but they're so interesting

609
00:23:25,669 --> 00:23:22,799
each one of them i love the series the

610
00:23:27,669 --> 00:23:25,679
10 bits you will always win how on earth

611
00:23:29,669 --> 00:23:27,679
do you keep coming up with these tricks

612
00:23:31,350 --> 00:23:29,679
and these they're like um

613
00:23:34,070 --> 00:23:31,360

what can we say they're like the sort of

614

00:23:35,590 --> 00:23:34,080

bets you might have

615

00:23:38,149 --> 00:23:35,600

having a round of drinks in a pub you

616

00:23:39,669 --> 00:23:38,159

say i bet i can do this backwards or

617

00:23:42,549 --> 00:23:39,679

something like that that's right yeah

618

00:23:44,149 --> 00:23:42,559

and they're all little barbettes um and

619

00:23:46,549 --> 00:23:44,159

i mean the answer is in terms of coming

620

00:23:49,270 --> 00:23:46,559

up with them is that a people send them

621

00:23:51,029 --> 00:23:49,280

to me which is lovely um but b of course

622

00:23:52,390 --> 00:23:51,039

magicians know about these things and

623

00:23:53,830 --> 00:23:52,400

there are books on them going right the

624

00:23:55,750 --> 00:23:53,840

way back to what's called rational

625

00:23:58,070 --> 00:23:55,760

recreations which is sort of a victorian

626

00:23:59,590 --> 00:23:58,080

term for for all these little sciency

627

00:24:01,270 --> 00:23:59,600

stunts because lots of them are quite

628

00:24:03,190 --> 00:24:01,280

sciency you know to do with flicking

629

00:24:04,630 --> 00:24:03,200

away cards or blowing in a certain way

630

00:24:06,789 --> 00:24:04,640

or whatever

631

00:24:08,870 --> 00:24:06,799

and you just sort of troll through them

632

00:24:10,549 --> 00:24:08,880

and so with those videos it's not really

633

00:24:12,549 --> 00:24:10,559

that the filming or the editing or the

634

00:24:14,470 --> 00:24:12,559

voice over that takes the time it's just

635

00:24:17,110 --> 00:24:14,480

finding the material and and that can

636

00:24:19,350 --> 00:24:17,120

take a month to um to find you know ten

637

00:24:21,110 --> 00:24:19,360

really good ones that you think work um

638

00:24:23,430 --> 00:24:21,120

i think we've done ten of those now so

639

00:24:26,390 --> 00:24:23,440

that's a hundred bets and

640

00:24:27,909 --> 00:24:26,400

it's it has a huge amount um but you

641

00:24:29,590 --> 00:24:27,919

know people keep on watching them i

642

00:24:31,190 --> 00:24:29,600

think the most successful ones got about

643

00:24:34,310 --> 00:24:31,200

six maybe eight million views i can't

644

00:24:35,750 --> 00:24:34,320

remember now um and it's so it's great

645

00:24:37,750 --> 00:24:35,760

you know because all of them are again

646

00:24:40,230 --> 00:24:37,760

they're kind of back door into into

647

00:24:42,470 --> 00:24:40,240

science um you know it's often when you

648

00:24:44,070 --> 00:24:42,480

do those things uh the in fact actually

649

00:24:45,990 --> 00:24:44,080

on the latest one is one of my favorite

650

00:24:47,590 --> 00:24:46,000

ones where you put the salt onto the

651
00:24:49,430 --> 00:24:47,600
plate and then sprinkle the pepper on

652
00:24:50,870 --> 00:24:49,440
and you challenge somebody to separate

653
00:24:52,789 --> 00:24:50,880
the pepper from the soul and it sounds

654
00:24:54,870 --> 00:24:52,799
impossible but if you take a balloon and

655
00:24:57,190 --> 00:24:54,880
rub it on your sweater or jumper hold it

656
00:24:58,950 --> 00:24:57,200
above the the plate all the pepper comes

657
00:25:00,470 --> 00:24:58,960
up the salt doesn't

658
00:25:02,310 --> 00:25:00,480
and it's a lovely moment because as the

659
00:25:03,830 --> 00:25:02,320
pepper hits the balloon it at the

660
00:25:04,950 --> 00:25:03,840
amplifies and so you get this lovely

661
00:25:06,549 --> 00:25:04,960
sort of

662
00:25:08,950 --> 00:25:06,559
sound you know it's it's really quite

663
00:25:11,029 --> 00:25:08,960

magical and i think for any kid in

664

00:25:13,190 --> 00:25:11,039

particular doing that you've just got to

665

00:25:14,950 --> 00:25:13,200

ask yourself well why is that happening

666

00:25:17,430 --> 00:25:14,960

you know what what is going on there

667

00:25:19,430 --> 00:25:17,440

it's very difficult to do that stunt and

668

00:25:21,590 --> 00:25:19,440

not be a little bit curious so so

669

00:25:23,909 --> 00:25:21,600

hopefully um it engages people with uh

670

00:25:25,669 --> 00:25:23,919

with science i'm a big fan of people

671

00:25:27,510 --> 00:25:25,679

doing rather than just reading about

672

00:25:29,830 --> 00:25:27,520

this stuff and i think that's the power

673

00:25:31,590 --> 00:25:29,840

of the bets videos and i think it's the

674

00:25:32,870 --> 00:25:31,600

power of um

675

00:25:33,750 --> 00:25:32,880

the video

676

00:25:36,549 --> 00:25:33,760

uh

677

00:25:38,310 --> 00:25:36,559

indeed because yeah it's fine to read

678

00:25:40,710 --> 00:25:38,320

about these things and that and that's a

679

00:25:43,750 --> 00:25:40,720

wonderful thing but to see it in action

680

00:25:45,909 --> 00:25:43,760

uh for me in particular always i i think

681

00:25:47,430 --> 00:25:45,919

it always adds that little bit more and

682

00:25:48,870 --> 00:25:47,440

i think you do it in a very entertaining

683

00:25:52,070 --> 00:25:48,880

way with that corny music in the

684

00:25:54,230 --> 00:25:52,080

background on each of your videos

685

00:25:56,070 --> 00:25:54,240

yeah it's it's and also they are edited

686

00:25:57,750 --> 00:25:56,080

quite cleverly um in the sense that

687

00:25:59,909 --> 00:25:57,760

they're edited within a second of their

688

00:26:02,390 --> 00:25:59,919

life you know if we can literally cut

689

00:26:05,110 --> 00:26:02,400

off a second we will do it in order to

690

00:26:06,470 --> 00:26:05,120

keep the pace um as high as possible and

691

00:26:07,669 --> 00:26:06,480

because they are filmed you can tell

692

00:26:09,430 --> 00:26:07,679

they're not professionally filmed they

693

00:26:11,110 --> 00:26:09,440

are all just filmed in my living room

694

00:26:13,510 --> 00:26:11,120

and i think there's something about that

695

00:26:14,470 --> 00:26:13,520

which is quite kind of literally homely

696

00:26:16,870 --> 00:26:14,480

it just sort of feels like you're

697

00:26:18,870 --> 00:26:16,880

sitting in on this strange guy who knows

698

00:26:20,390 --> 00:26:18,880

a whole lot of weird stuff and if you

699

00:26:21,990 --> 00:26:20,400

give me three minutes i'll tell you ten

700

00:26:23,590 --> 00:26:22,000

things one of them might be great you're

701

00:26:26,470 --> 00:26:23,600

doing the bar tonight you might make

702

00:26:29,990 --> 00:26:26,480

some money yeah it's a really easy sell

703

00:26:31,510 --> 00:26:30,000

um and and you know it is really weird

704

00:26:33,430 --> 00:26:31,520

to walk down the street is occasionally

705

00:26:34,789 --> 00:26:33,440

done and kids have kind of come up and

706

00:26:37,029 --> 00:26:34,799

said oh you're the guy from the bets

707

00:26:38,630 --> 00:26:37,039

video oh really

708

00:26:39,909 --> 00:26:38,640

really um

709

00:26:42,149 --> 00:26:39,919

because you forget that people are

710

00:26:44,630 --> 00:26:42,159

watching these things but um i'm i'm

711

00:26:46,630 --> 00:26:44,640

glad that people enjoy it it's it's it's

712

00:26:48,789 --> 00:26:46,640

sort of a passion because yeah the whole

713

00:26:50,870 --> 00:26:48,799

thing is mine you know in the sense of i

714

00:26:52,950 --> 00:26:50,880

i kind of have a vision for the whole

715

00:26:55,190 --> 00:26:52,960

piece and and then it's just nice if

716

00:26:56,710 --> 00:26:55,200

people enjoy that you know the bad old

717

00:26:58,710 --> 00:26:56,720

days of television you go in and say

718

00:27:00,950 --> 00:26:58,720

this is my idea and six months later a

719

00:27:02,549 --> 00:27:00,960

program would emerge if you were lucky

720

00:27:03,909 --> 00:27:02,559

uh that bought no relationship to what

721

00:27:06,310 --> 00:27:03,919

you had in your head when you walked

722

00:27:08,230 --> 00:27:06,320

into the room so yeah it's nice to do

723

00:27:10,310 --> 00:27:08,240

something where you're completely in

724

00:27:12,070 --> 00:27:10,320

charge and you go yeah you know it

725

00:27:13,590 --> 00:27:12,080

doesn't feel like it's made by a

726

00:27:15,590 --> 00:27:13,600

committee it feels like it's just one

727

00:27:17,190 --> 00:27:15,600

person going that's my vision don't know

728

00:27:19,029 --> 00:27:17,200

whether you like it or not but here it

729

00:27:21,669 --> 00:27:19,039

is um so that's that's really the

730

00:27:23,029 --> 00:27:21,679

approach it's it's liberating yes i

731

00:27:24,710 --> 00:27:23,039

think you're absolutely right the other

732

00:27:27,669 --> 00:27:24,720

videos i really enjoy

733

00:27:30,310 --> 00:27:27,679

apart from the uh the bets you can win

734

00:27:31,590 --> 00:27:30,320

uh the series you have

735

00:27:33,269 --> 00:27:31,600

where

736

00:27:35,269 --> 00:27:33,279

for all intents and purposes it looks

737

00:27:38,070 --> 00:27:35,279

like a magic trick you have something

738

00:27:39,110 --> 00:27:38,080

like a car a little toy car appearing

739

00:27:41,750 --> 00:27:39,120

out of

740

00:27:43,750 --> 00:27:41,760

an impossible situation it cannot be

741

00:27:45,669 --> 00:27:43,760

there and suddenly suddenly it is there

742

00:27:46,870 --> 00:27:45,679

and there it's not like it's an editing

743

00:27:48,470 --> 00:27:46,880

trick it's not like you've stopped the

744

00:27:50,470 --> 00:27:48,480

movie and then

745

00:27:52,950 --> 00:27:50,480

fiddled with it and then

746

00:27:56,230 --> 00:27:52,960

just when you're completely baffled or

747

00:27:57,750 --> 00:27:56,240

you produce a huge uh ball from from

748

00:28:00,310 --> 00:27:57,760

seemingly nowhere

749

00:28:03,190 --> 00:28:00,320

keep watching the video and then

750

00:28:05,029 --> 00:28:03,200

all is revealed and it's one of those

751

00:28:06,870 --> 00:28:05,039

very interesting moments but i guess

752

00:28:08,549 --> 00:28:06,880

that harkens back to the color changing

753

00:28:09,990 --> 00:28:08,559

trick because you can watch that stop it

754

00:28:11,510 --> 00:28:10,000

halfway through and go away and think

755

00:28:14,230 --> 00:28:11,520

about it forever

756

00:28:16,710 --> 00:28:14,240

or you can continue watching

757

00:28:18,870 --> 00:28:16,720

and yeah and most people do and

758

00:28:20,230 --> 00:28:18,880

hopefully they're devised so that um

759

00:28:21,990 --> 00:28:20,240

first of all they don't make magicians

760

00:28:23,269 --> 00:28:22,000

angry magicians tend to really like them

761

00:28:25,990 --> 00:28:23,279

there's nothing being given away there

762

00:28:28,230 --> 00:28:26,000

that would uh impact on magic but second

763

00:28:30,870 --> 00:28:28,240

the the method how it's done hopefully

764

00:28:32,950 --> 00:28:30,880

is more entertaining than the the effect

765

00:28:36,470 --> 00:28:32,960

and often you think oh my goodness it

766

00:28:39,269 --> 00:28:36,480

was so simple i just made one assumption

767

00:28:43,350 --> 00:28:39,279

and that tripped me up um so they are

768

00:28:45,669 --> 00:28:43,360

fun they are a nightmare to make um yeah

769

00:28:49,110 --> 00:28:45,679

because yeah i mean often the timing is

770

00:28:52,310 --> 00:28:49,120

a split second so on the the car one uh

771

00:28:54,549 --> 00:28:52,320

i have just got tapes after tape of um

772

00:28:56,070 --> 00:28:54,559

me not doing it as it were and not being

773

00:28:58,389 --> 00:28:56,080

able to form the trick because it's

774

00:29:00,549 --> 00:28:58,399

literally millimeters um as to whether

775

00:29:03,830 --> 00:29:00,559

or not you see the car first time round

776

00:29:05,110 --> 00:29:03,840

so um and yeah so basically what happens

777

00:29:06,710 --> 00:29:05,120

is that i normally put something on

778

00:29:09,029 --> 00:29:06,720

television after one of these box sets

779

00:29:11,350 --> 00:29:09,039

hbo things that i'm watching and i'm

780

00:29:13,909 --> 00:29:11,360

actually doing the trick whilst watching

781

00:29:16,310 --> 00:29:13,919

the hbo thing because i'm going to do

782

00:29:18,149 --> 00:29:16,320

the trick so many times that i might

783

00:29:19,830 --> 00:29:18,159

have muscled something on so one of the

784

00:29:21,750 --> 00:29:19,840

reasons why they've often not got

785

00:29:24,470 --> 00:29:21,760

soundtrack is that you'd be hearing an

786

00:29:26,549 --> 00:29:24,480

hbo series in the uh the background

787

00:29:28,310 --> 00:29:26,559

so i think with the ball one um which

788

00:29:30,950 --> 00:29:28,320

caroline and i did carolina partners

789

00:29:33,830 --> 00:29:30,960

that the ninja uh on that really was

790

00:29:35,750 --> 00:29:33,840

really yeah yeah i wondered yes

791

00:29:38,470 --> 00:29:35,760

she's a very good ninja she's regular

792

00:29:41,269 --> 00:29:38,480

creeping around there um uh i think we

793

00:29:44,070 --> 00:29:41,279

did it like 50 or 60 times

794

00:29:46,549 --> 00:29:44,080

about 30 times 30 so it takes in i could

795

00:29:48,710 --> 00:29:46,559

feel mr goodwill leaving the room uh

796

00:29:51,669 --> 00:29:48,720

from from caroline's perspective

797

00:29:53,909 --> 00:29:51,679

uh and and eventually we got it uh so

798

00:29:55,750 --> 00:29:53,919

what's funny is you guys only see the

799

00:29:57,430 --> 00:29:55,760

one thing that works and they oh yeah

800

00:30:00,310 --> 00:29:57,440

that's fun and you don't haven't seen

801
00:30:02,230 --> 00:30:00,320
the the sheer misery uh behind that but

802
00:30:04,630 --> 00:30:02,240
it's um no they're they're my favorite

803
00:30:07,110 --> 00:30:04,640
actually i i do love them no but credit

804
00:30:08,950 --> 00:30:07,120
to you you do include uh often you do

805
00:30:10,230 --> 00:30:08,960
include a couple of times where it goes

806
00:30:12,230 --> 00:30:10,240
wrong just to

807
00:30:13,909 --> 00:30:12,240
make the point these things

808
00:30:15,830 --> 00:30:13,919
are not easy

809
00:30:17,510 --> 00:30:15,840
no and they're not easy for professional

810
00:30:18,310 --> 00:30:17,520
television either because often they've

811
00:30:20,149 --> 00:30:18,320
been

812
00:30:22,070 --> 00:30:20,159
reconstructed on television and one

813
00:30:23,269 --> 00:30:22,080

thing is that because i'm using

814

00:30:24,470 --> 00:30:23,279

obviously not using a professional

815

00:30:28,149 --> 00:30:24,480

camera

816

00:30:30,230 --> 00:30:28,159

focus now when you put a professional

817

00:30:32,630 --> 00:30:30,240

camera in often you can't perform them

818

00:30:34,789 --> 00:30:32,640

because the the focusing is wrong uh on

819

00:30:37,029 --> 00:30:34,799

it and also they're not prepared to sit

820

00:30:39,590 --> 00:30:37,039

there all day as you do take after take

821

00:30:41,750 --> 00:30:39,600

um so often we've had crews have come in

822

00:30:43,909 --> 00:30:41,760

and wanted to recreate them yeah fine

823

00:30:45,110 --> 00:30:43,919

use the room here's the props and after

824

00:30:47,190 --> 00:30:45,120

about an hour or so you hear the

825

00:30:48,789 --> 00:30:47,200

swearing start to come out of the room

826

00:30:50,389 --> 00:30:48,799

as they realize what it is they're up

827

00:30:52,389 --> 00:30:50,399

against and they go come on i can't

828

00:30:55,430 --> 00:30:52,399

believe you you know i said yeah yeah it

829

00:30:56,549 --> 00:30:55,440

took us four hours to get that one um so

830

00:31:00,310 --> 00:30:56,559

it's

831

00:31:02,630 --> 00:31:00,320

be a wonderful thing then to review the

832

00:31:05,190 --> 00:31:02,640

latest take and see you've got it

833

00:31:06,789 --> 00:31:05,200

oh that's a moment yeah yes when you all

834

00:31:08,789 --> 00:31:06,799

sit around and go ah thank goodness

835

00:31:10,789 --> 00:31:08,799

we've got one and that's what i had in

836

00:31:12,149 --> 00:31:10,799

mind look it looks great look the car

837

00:31:13,990 --> 00:31:12,159

looks like it's you know it's impossible

838

00:31:15,990 --> 00:31:14,000

yeah that's what i had in mind because

839

00:31:17,350 --> 00:31:16,000

until you've got that moment you don't

840

00:31:19,110 --> 00:31:17,360

know that it's impossible you know if

841

00:31:20,950 --> 00:31:19,120

you you just think i think it's gonna

842

00:31:23,190 --> 00:31:20,960

work right um

843

00:31:24,950 --> 00:31:23,200

and and so you never know until you see

844

00:31:26,470 --> 00:31:24,960

that magic take and then you go that's

845

00:31:27,909 --> 00:31:26,480

what i had in mind

846

00:31:29,590 --> 00:31:27,919

um and then of course you have to show

847

00:31:30,950 --> 00:31:29,600

it to other people and sometimes they

848

00:31:33,029 --> 00:31:30,960

just don't work and people go it's

849

00:31:34,789 --> 00:31:33,039

obvious it's it's whatever and then

850

00:31:36,789 --> 00:31:34,799

you're back to the drawing board um but

851
00:31:38,389 --> 00:31:36,799
our success rate is pretty good we've

852
00:31:39,509 --> 00:31:38,399
probably only dropped one or two over

853
00:31:41,269 --> 00:31:39,519
the years

854
00:31:44,470 --> 00:31:41,279
just because they're too weak well with

855
00:31:46,070 --> 00:31:44,480
the the uh the ball one which uh

856
00:31:47,509 --> 00:31:46,080
includes the ninja in some respects

857
00:31:49,909 --> 00:31:47,519
which you mentioned in the and the

858
00:31:51,990 --> 00:31:49,919
appearing car the

859
00:31:55,269 --> 00:31:52,000
when i viewed those both for the first

860
00:31:57,110 --> 00:31:55,279
time i was baffled i could not see how

861
00:31:59,990 --> 00:31:57,120
and where and how could that possibly

862
00:32:01,590 --> 00:32:00,000
work so uh it worked in that respect

863
00:32:03,350 --> 00:32:01,600

good good good yeah magicians have done

864

00:32:05,029 --> 00:32:03,360

the same thing i had a heated phone call

865

00:32:06,950 --> 00:32:05,039

from somebody who was swearing at me

866

00:32:08,950 --> 00:32:06,960

down the phone about the car because

867

00:32:10,549 --> 00:32:08,960

they've been in magic for like 20 years

868

00:32:12,389 --> 00:32:10,559

and because it's not principal magicians

869

00:32:14,070 --> 00:32:12,399

use in the in the form i was using it

870

00:32:16,230 --> 00:32:14,080

and they were going i just couldn't

871

00:32:17,750 --> 00:32:16,240

believe you fooled me

872

00:32:20,310 --> 00:32:17,760

so you know there's a sense of delight

873

00:32:22,310 --> 00:32:20,320

and anger in their voice so um no it's

874

00:32:23,909 --> 00:32:22,320

it's great because it's so easy you know

875

00:32:26,470 --> 00:32:23,919

they sit online people can watch them

876

00:32:28,630 --> 00:32:26,480

anywhere in the world anytime at all um

877

00:32:29,830 --> 00:32:28,640

so i just think oh lovely that right now

878

00:32:31,190 --> 00:32:29,840

somewhere in the world somebody will be

879

00:32:33,269 --> 00:32:31,200

watching one of those videos and

880

00:32:34,710 --> 00:32:33,279

giggling there was the same way that you

881

00:32:36,870 --> 00:32:34,720

giggled and i giggled the first time we

882

00:32:38,630 --> 00:32:36,880

saw it so it just feels like a a lovely

883

00:32:40,310 --> 00:32:38,640

way of getting this stuff out there it

884

00:32:41,909 --> 00:32:40,320

absolutely is now if people aren't

885

00:32:44,549 --> 00:32:41,919

familiar with the videos and the books

886

00:32:47,190 --> 00:32:44,559

and all the rest of it uh it's very easy

887

00:32:48,070 --> 00:32:47,200

folks just google richard wiseman or you

888

00:32:52,470 --> 00:32:48,080

could go to

889

00:32:57,110 --> 00:32:54,789

all the links are there including for

890

00:32:58,630 --> 00:32:57,120

people i guess especially in the uk if

891

00:33:00,470 --> 00:32:58,640

they want to engage you as a public

892

00:33:02,630 --> 00:33:00,480

speaker and i've had the pleasure of

893

00:33:05,430 --> 00:33:02,640

seeing you speak in public well

894

00:33:07,190 --> 00:33:05,440

since 2000 uh when i think about it and

895

00:33:10,630 --> 00:33:07,200

um i guess

896

00:33:12,549 --> 00:33:10,640

the last time we caught up would was the

897

00:33:16,230 --> 00:33:12,559

year before last in edinburgh and then

898

00:33:18,549 --> 00:33:16,240

at the wonderful qed convention yes

899

00:33:20,950 --> 00:33:18,559

that's right i'm back at qed this year

900

00:33:22,630 --> 00:33:20,960

actually in a few few months time so yes

901
00:33:25,110 --> 00:33:22,640
that's right that's where we um i can

902
00:33:26,710 --> 00:33:25,120
remember we we chatted and we laughed we

903
00:33:28,230 --> 00:33:26,720
did we had a lovely stroll along the

904
00:33:30,789 --> 00:33:28,240
river there in edinburgh and we just

905
00:33:33,909 --> 00:33:30,799
sort of had no agenda as we walked along

906
00:33:35,590 --> 00:33:33,919
we made observations and it was a it was

907
00:33:37,190 --> 00:33:35,600
an interesting interview but uh one of

908
00:33:38,870 --> 00:33:37,200
my favorites i think

909
00:33:41,590 --> 00:33:38,880
uh yeah sometimes these things you know

910
00:33:43,830 --> 00:33:41,600
they they work just feel very natural um

911
00:33:45,830 --> 00:33:43,840
and uh and also it's just nice i think

912
00:33:48,149 --> 00:33:45,840
to to sort of chat about these things

913
00:33:49,909 --> 00:33:48,159

and and see what kind of percolates uh

914

00:33:50,950 --> 00:33:49,919

out and what i was going to say to the

915

00:33:53,350 --> 00:33:50,960

thought that occurred to me then was

916

00:33:55,190 --> 00:33:53,360

that i think you know sometimes people

917

00:33:57,029 --> 00:33:55,200

are very worried about skepticism and

918

00:33:59,190 --> 00:33:57,039

the future of it but i honestly think

919

00:34:01,430 --> 00:33:59,200

that the future is very bright when you

920

00:34:04,310 --> 00:34:01,440

look at youtube you know this the

921

00:34:06,630 --> 00:34:04,320

science content is astounding

922

00:34:08,550 --> 00:34:06,640

you know for years i've sat in um

923

00:34:10,230 --> 00:34:08,560

the bbc and other offices and the

924

00:34:11,909 --> 00:34:10,240

commissioning editors told me that we

925

00:34:14,069 --> 00:34:11,919

don't need talking head scientists it's

926

00:34:16,790 --> 00:34:14,079

all too dull and no one's watching it

927

00:34:19,030 --> 00:34:16,800

and then someone like vsauce um just put

928

00:34:21,190 --> 00:34:19,040

out the most amazing science content

929

00:34:24,310 --> 00:34:21,200

essentially talking head stuff 12 minute

930

00:34:26,550 --> 00:34:24,320

items or so um amazing number of views

931

00:34:28,310 --> 00:34:26,560

so the science stuff is there skepticism

932

00:34:30,389 --> 00:34:28,320

the magic stuff is there you know

933

00:34:32,869 --> 00:34:30,399

finally we can talk directly to our

934

00:34:34,790 --> 00:34:32,879

audience and i think skeptics and

935

00:34:36,389 --> 00:34:34,800

magicians and scientists are doing a

936

00:34:38,629 --> 00:34:36,399

wonderful job with it

937

00:34:41,109 --> 00:34:38,639

i think you're absolutely right and it's

938

00:34:42,550 --> 00:34:41,119

it's great to see uh of course it means

939

00:34:44,389 --> 00:34:42,560

on the flip side

940

00:34:46,310 --> 00:34:44,399

those people with

941

00:34:48,310 --> 00:34:46,320

maybe we can say beliefs that we don't

942

00:34:50,069 --> 00:34:48,320

quite understand or necessarily agree

943

00:34:51,750 --> 00:34:50,079

with the doing the same thing but hey

944

00:34:53,990 --> 00:34:51,760

we're all in this together

945

00:34:55,669 --> 00:34:54,000

at least there's a resource like

946

00:34:57,349 --> 00:34:55,679

your videos and your online things in

947

00:34:59,349 --> 00:34:57,359

your books which are very important for

948

00:35:01,670 --> 00:34:59,359

people to run to professor richard

949

00:35:03,510 --> 00:35:01,680

wiseman how i wish that i had the time

950

00:35:05,910 --> 00:35:03,520

to have another stroll with you through

951
00:35:07,990 --> 00:35:05,920
edinburgh a city i love ideally love

952
00:35:09,109 --> 00:35:08,000
come back come back i shall come back

953
00:35:10,790 --> 00:35:09,119
and see us

954
00:35:13,030 --> 00:35:10,800
at my earliest convenience and ride the

955
00:35:14,870 --> 00:35:13,040
trams i look forward to that it's

956
00:35:16,790 --> 00:35:14,880
apparently they're a month away um but

957
00:35:18,710 --> 00:35:16,800
yes all your listeners come back come

958
00:35:21,910 --> 00:35:18,720
here and uh come around for tea and

959
00:35:23,990 --> 00:35:21,920
cakes and um where a fun will be had by

960
00:35:25,670 --> 00:35:24,000
all you heard it here guarantee that you

961
00:35:28,150 --> 00:35:25,680
heard it here first folks you can visit

962
00:35:32,310 --> 00:35:28,160
richard weissman and no doubt appear in

963
00:35:36,310 --> 00:35:34,550

richard wiseman thank you very much

964

00:35:38,390 --> 00:35:36,320

a pleasure thank you

965

00:35:39,349 --> 00:35:38,400

so you're thinking what's quirkology all

966

00:35:41,670 --> 00:35:39,359

about

967

00:35:42,829 --> 00:35:41,680

well there are surefire bets you can use

968

00:35:45,109 --> 00:35:42,839

to impress your

969

00:35:46,710 --> 00:35:45,119

friends incredible illusions that will

970

00:35:48,630 --> 00:35:46,720

blow your mind

971

00:35:49,670 --> 00:35:48,640

interactive experiments to bamboozle

972

00:35:51,910 --> 00:35:49,680

your brain

973

00:35:53,910 --> 00:35:51,920

magic tricks and we don't just perform

974

00:35:56,390 --> 00:35:53,920

the tricks we take you backstage so you

975

00:35:59,190 --> 00:35:56,400

can see the secret and lots of amazing

976
00:36:00,870 --> 00:35:59,200
science stunts that always work

977
00:36:03,270 --> 00:36:00,880
yeah kinda

978
00:36:20,150 --> 00:36:03,280
so subscribe to quarkology now

979
00:36:25,349 --> 00:36:22,230
the skeptic magazine the journal from

980
00:36:27,510 --> 00:36:25,359
australian skeptics subscribe online to

981
00:36:32,310 --> 00:36:27,520
the world's second oldest skeptical

982
00:36:38,870 --> 00:36:35,109
and click the publications link

983
00:36:41,670 --> 00:36:38,880
you can also find there over 30 years of

984
00:36:44,390 --> 00:36:41,680
back issues free to download

985
00:36:52,950 --> 00:36:44,400
the skeptic magazine from australian

986
00:36:56,870 --> 00:36:55,349
welcome to a week in science from rios

987
00:36:59,349 --> 00:36:56,880
bringing you the science you need to

988
00:37:01,270 --> 00:36:59,359

know valentine's day possibly the most

989

00:37:02,550 --> 00:37:01,280

romantic day of the year

990

00:37:04,310 --> 00:37:02,560

if you're still searching for your

991

00:37:06,710 --> 00:37:04,320

special someone you may have considered

992

00:37:11,349 --> 00:37:06,720

going online but how do those sites

993

00:37:15,670 --> 00:37:13,270

one dating site found led us into the

994

00:37:17,910 --> 00:37:15,680

secret which uses simple math equations

995

00:37:19,510 --> 00:37:17,920

to determine compatibility

996

00:37:21,750 --> 00:37:19,520

when you join you answer a bunch of

997

00:37:23,990 --> 00:37:21,760

questions about yourself and also about

998

00:37:26,790 --> 00:37:24,000

what you look for in other people

999

00:37:29,270 --> 00:37:26,800

and no pressure but each answer you give

1000

00:37:31,750 --> 00:37:29,280

is worth points if you mark a particular

1001

00:37:34,150 --> 00:37:31,760

criteria as mandatory like being a dog

1002

00:37:36,390 --> 00:37:34,160

person for instance the answer to that

1003

00:37:38,470 --> 00:37:36,400

criteria will be worth lots of points

1004

00:37:41,270 --> 00:37:38,480

but if you mark a criteria as not

1005

00:37:43,030 --> 00:37:41,280

important the answer is worth less

1006

00:37:44,870 --> 00:37:43,040

each potential partner answering

1007

00:37:46,790 --> 00:37:44,880

questions gets a score based on the

1008

00:37:48,790 --> 00:37:46,800

criteria you set

1009

00:37:50,470 --> 00:37:48,800

their score and the score you get for

1010

00:37:52,470 --> 00:37:50,480

their criteria are put into a

1011

00:37:55,670 --> 00:37:52,480

mathematical equation which gives what's

1012

00:37:57,990 --> 00:37:55,680

called a match score

1013

00:37:59,829 --> 00:37:58,000

here's an example i'm a non-smoker which

1014

00:38:01,990 --> 00:37:59,839

is mandatory criteria for my future

1015

00:38:04,310 --> 00:38:02,000

partner and i also like clubbing but

1016

00:38:06,230 --> 00:38:04,320

that's not that's important i'm a

1017

00:38:08,630 --> 00:38:06,240

non-smoker but it's not that important

1018

00:38:10,950 --> 00:38:08,640

for me i do like seeing live bands and

1019

00:38:13,270 --> 00:38:10,960

that's important for my match

1020

00:38:15,829 --> 00:38:13,280

based on my criteria tanya gets lots of

1021

00:38:17,349 --> 00:38:15,839

points for not smoking and only loses

1022

00:38:19,990 --> 00:38:17,359

one point because she doesn't like

1023

00:38:21,750 --> 00:38:20,000

clubbing and for me ben only gets some

1024

00:38:23,990 --> 00:38:21,760

points for being a non-smoker because i

1025

00:38:25,670 --> 00:38:24,000

don't really care but loses lots of

1026

00:38:28,150 --> 00:38:25,680

points because he doesn't like live

1027

00:38:31,510 --> 00:38:28,160

bands we answered some more questions

1028

00:38:33,270 --> 00:38:31,520

pop them into the equation and why hello

1029

00:38:35,430 --> 00:38:33,280

94

1030

00:38:39,589 --> 00:38:35,440

and now four science pickup lines that

1031

00:38:44,069 --> 00:38:41,750

are you a 90 degree angle because you're

1032

00:38:47,030 --> 00:38:44,079

all right do you have 11 protons because

1033

00:38:49,670 --> 00:38:47,040

you're sodium fine we fit together like

1034

00:38:52,230 --> 00:38:49,680

the sticky ends of recombinant dna if i

1035

00:38:55,030 --> 00:38:52,240

were an enzyme i'd be dna helicase so i

1036

00:38:57,349 --> 00:38:55,040

could unzip your genes

1037

00:38:59,270 --> 00:38:57,359

that's it for this week in science for

1038

00:39:02,790 --> 00:38:59,280

more information on the maths of love

1039

00:39:05,910 --> 00:39:02,800

goes the ros website r-i-a-u-s

1040

00:39:08,870 --> 00:39:05,920

dot org dot a-u follow us on twitter at

1041

00:39:11,109 --> 00:39:08,880

rios and like us on facebook i'm tania

1042

00:39:28,550 --> 00:39:11,119

meyer and i'm ben lewis and we'll catch

1043

00:39:33,190 --> 00:39:30,950

is an award-winning weekly science show

1044

00:39:34,790 --> 00:39:33,200

in french hosted by a bunch of crazy

1045

00:39:37,270 --> 00:39:34,800

enthusiasts

1046

00:39:39,589 --> 00:39:37,280

we are convinced that the greatest ideas

1047

00:39:41,589 --> 00:39:39,599

in science are quite easy to grasp as

1048

00:39:44,150 --> 00:39:41,599

long as they are presented with passion

1049

00:39:46,630 --> 00:39:44,160

using a vocabulary common to all curious

1050

00:39:47,910 --> 00:39:46,640

minds whatever their academic background

1051
00:39:49,990 --> 00:39:47,920
if any

1052
00:39:51,349 --> 00:39:50,000
you don't understand french yet it's

1053
00:39:52,950 --> 00:39:51,359
never too late

1054
00:39:54,710 --> 00:39:52,960
all our stories have a written

1055
00:39:56,870 --> 00:39:54,720
transcript on the website and people

1056
00:39:59,510 --> 00:39:56,880
from all around the world are using our

1057
00:40:02,150 --> 00:39:59,520
content to learn molia's language

1058
00:40:04,829 --> 00:40:02,160
our topics range from zero to infinity

1059
00:40:06,630 --> 00:40:04,839
from evolution to artificial life from

1060
00:40:07,910 --> 00:40:06,640
electromagnetism to the science of

1061
00:40:10,390 --> 00:40:07,920
introverts

1062
00:40:13,990 --> 00:40:10,400
we just love mathematics science

1063
00:40:15,750 --> 00:40:14,000

critical thinking so do you want to join

1064

00:40:17,550 --> 00:40:15,760

you can subscribe to the podcast for

1065

00:40:20,230 --> 00:40:17,560

free from our website

1066

00:40:22,950 --> 00:40:20,240

podcastscience.fm that's in one word you

1067

00:40:24,390 --> 00:40:22,960

also find us on itunes and soundcloud

1068

00:40:26,230 --> 00:40:24,400

see you soon hopefully

1069

00:40:45,349 --> 00:40:26,240

at the russell here at beautiful

1070

00:40:48,630 --> 00:40:47,190

thank you for listening to the skeptic

1071

00:40:50,630 --> 00:40:48,640

zone this week

1072

00:40:53,190 --> 00:40:50,640

a slightly shorter episode but i hope

1073

00:40:54,310 --> 00:40:53,200

you uh enjoyed it nevertheless richard

1074

00:40:56,150 --> 00:40:54,320

wiseman

1075

00:40:58,309 --> 00:40:56,160

what an interesting man

1076
00:40:59,910 --> 00:40:58,319
coming up on the skeptic zone i think

1077
00:41:01,670 --> 00:40:59,920
next week

1078
00:41:03,589 --> 00:41:01,680
an interview with

1079
00:41:05,349 --> 00:41:03,599
neil degrasse tyson

1080
00:41:07,349 --> 00:41:05,359
and ander in

1081
00:41:10,069 --> 00:41:07,359
to talk about the new

1082
00:41:11,750 --> 00:41:10,079
series of cosmos

1083
00:41:15,430 --> 00:41:11,760
wow

1084
00:41:17,750 --> 00:41:15,440
my uh

1085
00:41:19,430 --> 00:41:17,760
facebook profile saying something very

1086
00:41:20,950 --> 00:41:19,440
exciting is coming up

1087
00:41:22,710 --> 00:41:20,960
and that's it folks

1088
00:41:24,550 --> 00:41:22,720

uh i'm

1089

00:41:26,710 --> 00:41:24,560

i'm beside myself i really am i feel

1090

00:41:27,750 --> 00:41:26,720

like i'm 15 years old again

1091

00:41:28,870 --> 00:41:27,760

so

1092

00:41:30,790 --> 00:41:28,880

i'm going to be chatting with neil

1093

00:41:34,550 --> 00:41:30,800

degrasse tyson and anderin all about the

1094

00:41:36,470 --> 00:41:34,560

new cosmos and i hope to bring you that

1095

00:41:38,390 --> 00:41:36,480

uh or those interviews

1096

00:41:40,309 --> 00:41:38,400

on the very next episode of the skeptic

1097

00:41:42,150 --> 00:41:40,319

zone

1098

00:41:43,670 --> 00:41:42,160

wow

1099

00:41:48,230 --> 00:41:43,680

in the meantime

1100

00:41:50,390 --> 00:41:48,240

sneak over to youtube and type in cosmos

1101
00:41:52,950 --> 00:41:50,400
and carl sagan and

1102
00:41:54,150 --> 00:41:52,960
relive some fine memories

1103
00:41:55,589 --> 00:41:54,160
um

1104
00:41:57,349 --> 00:41:55,599
well i better get ready for that i have

1105
00:41:58,870 --> 00:41:57,359
some research to do

1106
00:42:03,670 --> 00:41:58,880
some

1107
00:42:05,349 --> 00:42:03,680
press releases and whatnot

1108
00:42:06,470 --> 00:42:05,359
so until next week this is richard

1109
00:42:12,470 --> 00:42:06,480
saunders

1110
00:42:15,670 --> 00:42:14,150
you've been listening to the skeptic

1111
00:42:20,550 --> 00:42:15,680
zone