

1
00:00:06,019 --> 00:00:11,919
welcome to the skeptic zone the podcast

2
00:00:09,109 --> 00:00:13,939
from Australia for science and reason

3
00:00:11,919 --> 00:00:16,990
[Music]

4
00:00:13,939 --> 00:00:16,989
[Applause]

5
00:00:17,149 --> 00:00:25,149
[Music]

6
00:00:22,649 --> 00:00:27,309
yes it's the skeptics own podcast

7
00:00:25,149 --> 00:00:30,009
episode number 526

8
00:00:27,309 --> 00:00:31,779
for the 18th of November 2018

9
00:00:30,010 --> 00:00:33,760
richardsaunders here with you from

10
00:00:31,780 --> 00:00:35,230
Sydney Australia Sydney Australia

11
00:00:33,759 --> 00:00:36,909
doesn't know what to think about this

12
00:00:35,229 --> 00:00:38,609
time of the year some days it's cold

13
00:00:36,909 --> 00:00:41,439
some days it's hot

14
00:00:38,609 --> 00:00:43,479
sometimes it's raining sometimes it's

15
00:00:41,439 --> 00:00:45,969
not it sounds like a dr. Seuss book

16
00:00:43,479 --> 00:00:48,099
doesn't it coming up on this week's show

17
00:00:45,969 --> 00:00:51,280
I catch up with susan gerbic from

18
00:00:48,100 --> 00:00:53,829
guerrilla skepticism on wikipedia and a

19
00:00:51,280 --> 00:00:55,510
success story one of the things that the

20
00:00:53,829 --> 00:00:57,338
guerrilla skepticism people have been

21
00:00:55,509 --> 00:01:01,119
chasing and a story I've been keeping an

22
00:00:57,338 --> 00:01:06,390
eye on for a while is this facilitated

23
00:01:01,119 --> 00:01:11,590
communication and the universities that

24
00:01:06,390 --> 00:01:13,900
still push this outdated idea susan will

25
00:01:11,590 --> 00:01:17,799
bring us up to date on this story and as

26
00:01:13,900 --> 00:01:20,260
i said it's it's a tale of success good

27
00:01:17,799 --> 00:01:22,719
skeptical activism following that it's

28
00:01:20,260 --> 00:01:25,810
more from skeptical australia skeptic on

29

00:01:22,719 --> 00:01:28,959
2018 here in sydney about three weeks

30
00:01:25,810 --> 00:01:30,760
ago maynard chats to some magicians any

31
00:01:28,959 --> 00:01:32,979
magicians out there listening to this

32
00:01:30,760 --> 00:01:37,150
show or if you know any magicians they

33
00:01:32,980 --> 00:01:39,609
may find this very interesting indeed we

34
00:01:37,150 --> 00:01:43,030
had a wonderful entertainer come up from

35
00:01:39,609 --> 00:01:45,189
melbourne to do magic at the convention

36
00:01:43,030 --> 00:01:47,079
dinner skeptic on dinner which knocked

37
00:01:45,189 --> 00:01:48,549
everybody socks off in fact maybe that

38
00:01:47,079 --> 00:01:50,859
was one of his tricks knocking people's

39
00:01:48,549 --> 00:01:52,450
socks off I don't know he did some

40
00:01:50,859 --> 00:01:56,140
wonderful card routines and other

41
00:01:52,450 --> 00:01:58,329
routines and his name is Nick Kay may

42
00:01:56,140 --> 00:02:01,930
not also chats to magician Peter Rogers

43
00:01:58,329 --> 00:02:04,719

Peter Rogers is a longtime member of the

44

00:02:01,930 --> 00:02:07,360

Australian skeptics here in Sydney

45

00:02:04,719 --> 00:02:09,969

he was the resident magician on the

46

00:02:07,359 --> 00:02:12,250

committee for many many many years he

47

00:02:09,969 --> 00:02:14,919

still is part of the broader

48

00:02:12,250 --> 00:02:17,318

organization and if we ever have any

49

00:02:14,919 --> 00:02:20,378

queries to do with magic he's the man we

50

00:02:17,318 --> 00:02:22,509

turn to magicians and skepticism have a

51

00:02:20,378 --> 00:02:25,120

long association of course we think of

52

00:02:22,509 --> 00:02:27,639

James Randi especially in the early days

53

00:02:25,120 --> 00:02:30,930

it was the magicians who could see some

54

00:02:27,639 --> 00:02:33,279

of the tricks of the so-called psychics

55

00:02:30,930 --> 00:02:36,040

like

56

00:02:33,280 --> 00:02:39,699

design duplication as its called where

57

00:02:36,039 --> 00:02:42,250

somebody draws a secret drawing seals it

58
00:02:39,699 --> 00:02:47,049
in an envelope but the so-called psychic

59
00:02:42,250 --> 00:02:48,969
can still magically magically determine

60
00:02:47,050 --> 00:02:51,280
what's in the envelope and re-create the

61
00:02:48,969 --> 00:02:54,310
drawing Peeta is also a history buff

62
00:02:51,280 --> 00:02:56,318
when it comes to magic especially magic

63
00:02:54,310 --> 00:02:58,750
in Australia and I learned a lot from

64
00:02:56,318 --> 00:03:01,599
this interview and I hope you will too

65
00:02:58,750 --> 00:03:03,849
Nick Kay and Peter Rogers the magician's

66
00:03:01,599 --> 00:03:05,409
coming up a little later on with Maynard

67
00:03:03,849 --> 00:03:07,479
then to round off the show we've got

68
00:03:05,409 --> 00:03:09,400
Michelle Franklin now relatively new

69
00:03:07,479 --> 00:03:12,250
reporter from Darwin she's going to be

70
00:03:09,400 --> 00:03:14,680
talking about biocontrol misses where

71
00:03:12,250 --> 00:03:17,199
the science comes into the skeptic zone

72
00:03:14,680 --> 00:03:18,760
when we talk about the yeah the podcast

73
00:03:17,199 --> 00:03:20,708
for science and reason this is the

74
00:03:18,759 --> 00:03:25,659
science part biocontrol

75
00:03:20,709 --> 00:03:28,870
and cane toads and when I was young I

76
00:03:25,659 --> 00:03:30,729
lived up near where Heidi Roberts in the

77
00:03:28,870 --> 00:03:33,700
raw skeptic lives up in the north coast

78
00:03:30,729 --> 00:03:38,048
area of New South Wales and cane toads

79
00:03:33,699 --> 00:03:40,359
were everywhere so I think was it

80
00:03:38,049 --> 00:03:44,260
especially during the summer months

81
00:03:40,360 --> 00:03:46,180
big ugly toads that are an introduced

82
00:03:44,259 --> 00:03:49,509
species well Michelle's going to be

83
00:03:46,180 --> 00:03:51,250
talking about that in general biocontrol

84
00:03:49,509 --> 00:03:53,769
and Michelle would like you to know that

85
00:03:51,250 --> 00:03:55,989
her report today is a summary of the

86

00:03:53,769 --> 00:03:58,090
presentations she gave at skeptic camp

87
00:03:55,989 --> 00:04:01,209
in fact it was a skeptic camp in

88
00:03:58,090 --> 00:04:04,689
Brisbane in 2016 what a wonderful thing

89
00:04:01,209 --> 00:04:08,739
skeptic camp is sadly we didn't have one

90
00:04:04,689 --> 00:04:10,840
in Sydney this year maybe we should put

91
00:04:08,739 --> 00:04:14,049
our socks on but were blown off by the

92
00:04:10,840 --> 00:04:17,819
magician's earlier and get to organizing

93
00:04:14,049 --> 00:04:21,009
a skeptic camp in Sydney for 2019 I've

94
00:04:17,819 --> 00:04:23,228
learned a lot of interesting things by

95
00:04:21,009 --> 00:04:25,689
going to skeptic camps over the years

96
00:04:23,228 --> 00:04:28,478
especially here in Sydney and I noticed

97
00:04:25,689 --> 00:04:30,699
there around the world and in fact I'll

98
00:04:28,478 --> 00:04:33,038
link to skeptic camp in this week's show

99
00:04:30,699 --> 00:04:34,870
notes under the under the segment here

100
00:04:33,038 --> 00:04:36,279

for Michelle Franklin a few more

101

00:04:34,870 --> 00:04:37,930

announcements from me at the end of the

102

00:04:36,279 --> 00:04:41,109

show but now it's time for me to run

103

00:04:37,930 --> 00:04:42,668

downstairs and since it's such a nice

104

00:04:41,110 --> 00:04:46,050

day I'm going to have some champagne

105

00:04:42,668 --> 00:04:49,769

white chocolate and a little bit of

106

00:04:46,050 --> 00:04:52,199

cheese with the chili ghost pepper

107

00:04:49,769 --> 00:04:53,789

cheese mmm while I do that I hope you

108

00:04:52,199 --> 00:05:01,650

enjoy the skeptic zone

109

00:04:53,790 --> 00:05:04,530

[Music]

110

00:05:01,649 --> 00:05:12,859

[Applause]

111

00:05:04,529 --> 00:05:12,859

[Music]

112

00:05:13,619 --> 00:05:19,389

and joining me now all the way from

113

00:05:17,139 --> 00:05:21,759

Salinas California as she does from time

114

00:05:19,389 --> 00:05:23,848

to time on the skeptic zone its susan

115
00:05:21,759 --> 00:05:26,049
gerbic from guerrilla skepticism on

116
00:05:23,848 --> 00:05:28,808
wikipedia hello Susan

117
00:05:26,048 --> 00:05:31,568
hello Richard hello all you wonderful

118
00:05:28,809 --> 00:05:33,519
listeners out there oh I'm sure the

119
00:05:31,569 --> 00:05:36,729
listeners like being called wonderful I

120
00:05:33,519 --> 00:05:39,489
think that wonders are great great now

121
00:05:36,728 --> 00:05:42,038
Susan a couple of weeks months ago I

122
00:05:39,488 --> 00:05:45,128
haven't got the exact date on my

123
00:05:42,038 --> 00:05:48,298
fingertips here we spoke about a very

124
00:05:45,129 --> 00:05:50,709
concerning issue which is known as

125
00:05:48,298 --> 00:05:53,798
facilitated communication can you give

126
00:05:50,709 --> 00:05:56,199
our audience a quick update to what that

127
00:05:53,798 --> 00:06:00,128
means exactly facilitated communication

128
00:05:56,199 --> 00:06:03,848
is an outdated pseudoscience tactic used

129
00:06:00,129 --> 00:06:08,528
in to communicate with people who are

130
00:06:03,848 --> 00:06:10,808
non communicative people who have been

131
00:06:08,528 --> 00:06:13,538
unable to communicate for whatever

132
00:06:10,809 --> 00:06:16,029
reason there's somebody come comes along

133
00:06:13,538 --> 00:06:18,519
called the facilitator who will guide

134
00:06:16,028 --> 00:06:20,528
their hand over a board of letters for

135
00:06:18,519 --> 00:06:21,610
example or study their eyes and say

136
00:06:20,528 --> 00:06:23,829
they're looking at this letter and

137
00:06:21,610 --> 00:06:26,528
looking at that letter and seem to

138
00:06:23,829 --> 00:06:29,588
interpret what the the person is trying

139
00:06:26,528 --> 00:06:31,569
to say absolutely it's the Ouija board

140
00:06:29,588 --> 00:06:35,649
effect and some people will call it the

141
00:06:31,569 --> 00:06:38,348
clever Hans method and other people say

142
00:06:35,649 --> 00:06:41,139
it's like swinging a pendulum in some

143

00:06:38,348 --> 00:06:43,628
cases these people are not communicating

144
00:06:41,139 --> 00:06:45,489
they are the facilitator is actually the

145
00:06:43,629 --> 00:06:47,919
person who's looking at the keyboard or

146
00:06:45,488 --> 00:06:50,828
the letter board and interpreting what

147
00:06:47,918 --> 00:06:52,389
is being said it's it does not work and

148
00:06:50,829 --> 00:06:54,189
there's a huge description on the

149
00:06:52,389 --> 00:06:55,838
Wikipedia page for facilitated

150
00:06:54,189 --> 00:06:57,939
communication if anybody really wants

151
00:06:55,838 --> 00:07:01,118
more details we have case studies on

152
00:06:57,939 --> 00:07:03,399
there as well why it appears to work and

153
00:07:01,119 --> 00:07:05,799
it doesn't well it's a pseudoscience

154
00:07:03,399 --> 00:07:09,728
that was discredited over 30 years ago

155
00:07:05,798 --> 00:07:12,128
and many universities in the United

156
00:07:09,728 --> 00:07:13,508
States continue to support it by

157
00:07:12,129 --> 00:07:17,500

teaching classes

158

00:07:13,509 --> 00:07:20,830

allowing workshops having some of the

159

00:07:17,500 --> 00:07:23,408

faculty run classes and give credit to

160

00:07:20,829 --> 00:07:26,620

the students for taking the classes so

161

00:07:23,408 --> 00:07:30,180

about April of this year I formed a

162

00:07:26,620 --> 00:07:32,680

group with some very amazing people who

163

00:07:30,180 --> 00:07:35,050

decided that we were done with that

164

00:07:32,680 --> 00:07:37,150

it's a low-hanging fruit it's been

165

00:07:35,050 --> 00:07:39,848

discredited years ago we need to hold

166

00:07:37,149 --> 00:07:42,698

these universities responsible and so

167

00:07:39,848 --> 00:07:45,430

what we did is we created a very very

168

00:07:42,699 --> 00:07:49,360

well-written professional letter with

169

00:07:45,430 --> 00:07:52,418

over 30 professionals most of with PhDs

170

00:07:49,360 --> 00:07:55,598

after their name who are in the medical

171

00:07:52,418 --> 00:07:58,508

field the education field autism

172
00:07:55,598 --> 00:08:00,788
communication many from Australia

173
00:07:58,509 --> 00:08:03,280
actually mm-hmm now at this very

174
00:08:00,788 --> 00:08:06,689
professional letter to the University of

175
00:08:03,279 --> 00:08:09,878
Northern Iowa which had a workshop that

176
00:08:06,689 --> 00:08:13,718
it was going to be running a month or so

177
00:08:09,879 --> 00:08:15,939
later in United States so we sent the

178
00:08:13,718 --> 00:08:18,668
letter to them they wrote us back saying

179
00:08:15,939 --> 00:08:20,589
that's nice and they proceeded with

180
00:08:18,668 --> 00:08:22,209
their conference and they said that they

181
00:08:20,589 --> 00:08:26,258
were going to have another conference in

182
00:08:22,209 --> 00:08:29,769
2019 and it was their fifth one they ran

183
00:08:26,259 --> 00:08:31,778
so we called in the media we've got the

184
00:08:29,769 --> 00:08:33,699
media involved especially local media

185
00:08:31,778 --> 00:08:37,658
plus many people in the skeptic

186
00:08:33,700 --> 00:08:41,200
community wrote and tweeted to the

187
00:08:37,658 --> 00:08:43,629
University and we were relentless there

188
00:08:41,200 --> 00:08:46,000
because there was many newspaper

189
00:08:43,629 --> 00:08:49,019
articles well not newspaper but you know

190
00:08:46,000 --> 00:08:51,129
media articles printed about the

191
00:08:49,019 --> 00:08:53,319
university supporting facilitated

192
00:08:51,129 --> 00:08:55,570
communication their Wikipedia page it

193
00:08:53,320 --> 00:08:56,980
was obviously had to be changed to say

194
00:08:55,570 --> 00:08:59,949
that they supported facilitated

195
00:08:56,980 --> 00:09:01,570
communication and after a while they

196
00:08:59,948 --> 00:09:04,240
finally relented and said we're not

197
00:09:01,570 --> 00:09:07,600
going to have facilitated communication

198
00:09:04,240 --> 00:09:10,320
at their university anymore and we have

199
00:09:07,600 --> 00:09:15,820
since moved on to other universities and

200

00:09:10,320 --> 00:09:18,190
just today we had a reporter went to

201
00:09:15,820 --> 00:09:20,410
talk to the University of Northern Iowa

202
00:09:18,190 --> 00:09:22,270
and said what's going on over there and

203
00:09:20,409 --> 00:09:23,769
they said we and they officially

204
00:09:22,269 --> 00:09:26,679
announced that they will no longer be

205
00:09:23,769 --> 00:09:30,939
supporting facilitated communication and

206
00:09:26,679 --> 00:09:33,159
basically they said leave us alone you

207
00:09:30,940 --> 00:09:36,190
know just don't bother us anymore we're

208
00:09:33,159 --> 00:09:39,639
like okay thank you so much we did ask

209
00:09:36,190 --> 00:09:41,649
them if they had because we know they

210
00:09:39,639 --> 00:09:44,799
still have some faculty on staff but do

211
00:09:41,649 --> 00:09:48,220
teach facilitated communication and we

212
00:09:44,799 --> 00:09:50,740
asked them through the reporter and they

213
00:09:48,220 --> 00:09:52,209
said that they they aren't supporting it

214
00:09:50,740 --> 00:09:53,080

so we're going to keep an eye on this

215

00:09:52,208 --> 00:09:56,409

University

216

00:09:53,080 --> 00:09:59,350

and we're going to go ahead and go after

217

00:09:56,409 --> 00:10:01,870

other universities and use the same

218

00:09:59,350 --> 00:10:05,159

formula of asking them politely giving

219

00:10:01,870 --> 00:10:08,440

them a very professionally worded letter

220

00:10:05,159 --> 00:10:10,569

of intent thing that you know this is a

221

00:10:08,440 --> 00:10:14,920

discredit to practice we the undersigned

222

00:10:10,570 --> 00:10:16,420

all thirty or so people who are experts

223

00:10:14,919 --> 00:10:20,679

in this field say that this is not a

224

00:10:16,419 --> 00:10:22,958

good idea to do and if they don't in

225

00:10:20,679 --> 00:10:25,179

their practice then we will go to the

226

00:10:22,958 --> 00:10:28,469

local media and then the bigger media

227

00:10:25,179 --> 00:10:30,759

and and pretty much shame them into

228

00:10:28,470 --> 00:10:33,070

ending the practice with facilitated

229
00:10:30,759 --> 00:10:35,080
communication the article that just came

230
00:10:33,070 --> 00:10:36,640
out today is going to be able to be

231
00:10:35,080 --> 00:10:39,129
something that we could use to other

232
00:10:36,639 --> 00:10:41,769
universities you know as a way of saying

233
00:10:39,129 --> 00:10:42,580
look University of Northern Iowa into

234
00:10:41,769 --> 00:10:45,639
their practice

235
00:10:42,580 --> 00:10:49,629
why don't you because I think that will

236
00:10:45,639 --> 00:10:54,458
be helpful because the University of

237
00:10:49,629 --> 00:10:56,740
Northern Iowa has ended it and if nobody

238
00:10:54,458 --> 00:10:59,979
really wants to be the last University

239
00:10:56,740 --> 00:11:02,680
out there still practicing pseudoscience

240
00:10:59,980 --> 00:11:05,500
so this is would you say this is another

241
00:11:02,679 --> 00:11:08,109
example of guerrilla skepticism at work

242
00:11:05,500 --> 00:11:10,480
or is it broader than this it is

243
00:11:08,110 --> 00:11:15,930
guerrilla skepticism because it is

244
00:11:10,480 --> 00:11:19,600
taking the average person's passion to

245
00:11:15,929 --> 00:11:21,639
focus on one specific problem in the

246
00:11:19,600 --> 00:11:23,649
world absolutely we're not going to be

247
00:11:21,639 --> 00:11:26,708
able to stop all pseudoscience and all

248
00:11:23,649 --> 00:11:27,879
universities with this one tactic but

249
00:11:26,708 --> 00:11:33,250
what we're trying to do is we're trying

250
00:11:27,879 --> 00:11:36,700
to show people how to narrowly pick one

251
00:11:33,250 --> 00:11:38,769
area and focus on it and end it and then

252
00:11:36,700 --> 00:11:40,570
from there take what you've learned and

253
00:11:38,769 --> 00:11:43,120
then move to the next

254
00:11:40,570 --> 00:11:46,390
pseudoscience or the next university or

255
00:11:43,120 --> 00:11:48,610
the next project I think that people

256
00:11:46,389 --> 00:11:51,819
these things work best when we're narrow

257

00:11:48,610 --> 00:11:54,419
clearly define goals with very small

258
00:11:51,820 --> 00:11:57,190
groups of people working on it as well

259
00:11:54,419 --> 00:12:01,449
we find that this has been very

260
00:11:57,190 --> 00:12:06,670
successful in a guerrilla way Justin

261
00:12:01,450 --> 00:12:09,390
that were small batches of targeted

262
00:12:06,669 --> 00:12:13,389
attacks that sounds very aggressive but

263
00:12:09,389 --> 00:12:14,919
yeah it shouldn't be aggressive now I

264
00:12:13,389 --> 00:12:17,350
think I think I know what you mean it's

265
00:12:14,919 --> 00:12:20,259
it's a concentrated effort it's people

266
00:12:17,350 --> 00:12:21,909
focusing on the topic at hand and

267
00:12:20,259 --> 00:12:24,939
getting the job done which i think is

268
00:12:21,909 --> 00:12:26,289
terrific and by the way I guess it's

269
00:12:24,940 --> 00:12:29,200
time for a little update how is

270
00:12:26,289 --> 00:12:32,079
guerrilla skepticism doing generally oh

271
00:12:29,200 --> 00:12:34,690

my gosh we've added quite a few new

272

00:12:32,080 --> 00:12:36,940

editors after saikhan this year we were

273

00:12:34,690 --> 00:12:41,410

also at the Australian Conference as

274

00:12:36,940 --> 00:12:43,030

well as it was a fabulous time we have

275

00:12:41,409 --> 00:12:46,419

just added our seven hundred and

276

00:12:43,029 --> 00:12:48,220

twentieth Wikipedia page and we we've

277

00:12:46,419 --> 00:12:51,699

just hit thirty three point seven

278

00:12:48,220 --> 00:12:53,379

million page views Wow there are quite

279

00:12:51,700 --> 00:12:56,259

quite a difference we're really we're

280

00:12:53,379 --> 00:12:58,179

making a difference a little at a time

281

00:12:56,259 --> 00:12:59,889

you know we're as I say we're not going

282

00:12:58,179 --> 00:13:02,709

to completely rewrite Wikipedia right

283

00:12:59,889 --> 00:13:04,960

away and get fantastic information on

284

00:13:02,710 --> 00:13:07,800

everything on every paranormal topic

285

00:13:04,960 --> 00:13:10,509

everywhere it's a it's an astronomical

286
00:13:07,799 --> 00:13:14,679
project plus the fact we're trying to do

287
00:13:10,509 --> 00:13:16,389
it in all languages but it's satisfying

288
00:13:14,679 --> 00:13:19,750
knowing that we're fighting back we're

289
00:13:16,389 --> 00:13:21,460
trying and just one page at a time we're

290
00:13:19,750 --> 00:13:23,860
working our way through it instead of

291
00:13:21,460 --> 00:13:26,710
saying it's insurmountable it can't be

292
00:13:23,860 --> 00:13:28,750
done we're saying yes this is a crazy

293
00:13:26,710 --> 00:13:31,330
idea to rewrite Wikipedia pages

294
00:13:28,750 --> 00:13:33,879
concerning science and pseudoscience but

295
00:13:31,330 --> 00:13:36,340
let's just get started one of the

296
00:13:33,879 --> 00:13:38,860
benefits of writing this letter to these

297
00:13:36,340 --> 00:13:42,430
universities in the way we have with the

298
00:13:38,860 --> 00:13:45,820
expert sighted on the the letter along

299
00:13:42,429 --> 00:13:47,679
with information on where the university

300
00:13:45,820 --> 00:13:49,720
can get better information if they need

301
00:13:47,679 --> 00:13:53,229
it is that we've we've put the

302
00:13:49,720 --> 00:13:54,730
universities on notice once they

303
00:13:53,230 --> 00:13:58,079
acknowledge receipt

304
00:13:54,730 --> 00:14:01,930
of our letter then in the future if

305
00:13:58,078 --> 00:14:04,989
anyone tries to sue the University for

306
00:14:01,929 --> 00:14:07,599
you know miss practices because of

307
00:14:04,990 --> 00:14:10,509
facilitated communication well they're

308
00:14:07,600 --> 00:14:13,149
liable because they now have officially

309
00:14:10,509 --> 00:14:17,649
been told that facilitated communication

310
00:14:13,149 --> 00:14:20,528
is harmful it is pseudoscience so if a

311
00:14:17,649 --> 00:14:24,100
lawyer is interested or a family is

312
00:14:20,528 --> 00:14:26,439
trying to sue the universities they can

313
00:14:24,100 --> 00:14:28,839
well susan gerbic once again thank you

314

00:14:26,440 --> 00:14:31,600
very much for the update it's good to

315
00:14:28,839 --> 00:14:34,209
know that this facilitated communication

316
00:14:31,600 --> 00:14:35,528
may be on the wane actually it's been

317
00:14:34,208 --> 00:14:37,119
around for far too long

318
00:14:35,528 --> 00:14:38,860
I remember hearing about it years and

319
00:14:37,120 --> 00:14:41,740
years and years ago and it's always been

320
00:14:38,860 --> 00:14:44,139
regarded with great suspicion so all

321
00:14:41,740 --> 00:14:46,089
power to you at guerrilla skepticism and

322
00:14:44,139 --> 00:14:46,980
if people want to find out more where

323
00:14:46,089 --> 00:14:49,630
can they go

324
00:14:46,980 --> 00:14:51,310
Facebook is the best place to find all

325
00:14:49,629 --> 00:14:53,789
the information just follow me on

326
00:14:51,309 --> 00:14:56,049
Facebook and we will update as needed

327
00:14:53,789 --> 00:14:57,969
alright there you are folks there's the

328
00:14:56,049 --> 00:14:59,588

clue Facebook I'll add a link in this

329

00:14:57,970 --> 00:15:01,269
week's show notes well another

330

00:14:59,589 --> 00:15:03,250
interesting story there folks from

331

00:15:01,269 --> 00:15:05,110
guerrilla skepticism on Wikipedia and

332

00:15:03,250 --> 00:15:07,480
susan gerbic all the way over there in

333

00:15:05,110 --> 00:15:09,519
Salinas California thank you very much

334

00:15:07,480 --> 00:15:22,450
thank you Richard

335

00:15:09,519 --> 00:15:22,449
[Music]

336

00:15:25,169 --> 00:15:30,579
Time Traveller's cursed paintings

337

00:15:27,879 --> 00:15:32,950
ghostly apparitions mysterious creatures

338

00:15:30,580 --> 00:15:35,590
the world is filled with incredible and

339

00:15:32,950 --> 00:15:37,629
seemingly inexplicable stories but often

340

00:15:35,590 --> 00:15:39,850
things are not what they seem

341

00:15:37,629 --> 00:15:42,220
if you are like me and you too want to

342

00:15:39,850 --> 00:15:44,529
learn how to discern fact from fiction I

343
00:15:42,220 --> 00:15:47,830
invite you to join me every two weeks on

344
00:15:44,529 --> 00:15:49,809
my youtube channel i am massimo Polydor

345
00:15:47,830 --> 00:15:52,450
oh and we'll investigate together and

346
00:15:49,809 --> 00:15:58,809
discover the truth behind many stranger

347
00:15:52,450 --> 00:16:01,440
stories to join massimo Polidoro every

348
00:15:58,809 --> 00:16:10,839
two weeks into youtube and look for

349
00:16:01,440 --> 00:16:15,690
stranger stories here's main our spooky

350
00:16:10,840 --> 00:16:15,690
action at the distance

351
00:16:15,850 --> 00:16:21,259
well I'll just chat to our magician who

352
00:16:18,799 --> 00:16:23,929
is our actor knowledge and I'm sir mr.

353
00:16:21,259 --> 00:16:25,159
Nick Kay Hey now tell me what around

354
00:16:23,929 --> 00:16:26,689
Melbourne where would people see you

355
00:16:25,159 --> 00:16:29,539
performing normally well I perform

356
00:16:26,690 --> 00:16:31,670
regularly at holy moley which is a mini

357

00:16:29,539 --> 00:16:32,929

golf club mini golf uh nightclub

358

00:16:31,669 --> 00:16:34,278

actually yeah yeah you guys got a

359

00:16:32,929 --> 00:16:36,500

residency there recently and it's

360

00:16:34,278 --> 00:16:38,149

probably the most fun place you can come

361

00:16:36,500 --> 00:16:40,009

and see some magic if you'd be doing

362

00:16:38,149 --> 00:16:41,600

close-up stuff so is it cards in a bit

363

00:16:40,009 --> 00:16:43,309

of sleight of hand what do you do indeed

364

00:16:41,600 --> 00:16:45,500

close eye magic it to the highest order

365

00:16:43,309 --> 00:16:46,789

from mentalism to pickpocketing although

366

00:16:45,500 --> 00:16:47,839

I trying to announce there too often of

367

00:16:46,789 --> 00:16:49,459

us it just makes it harder to steal

368

00:16:47,839 --> 00:16:51,140

those watches but ultimately the

369

00:16:49,460 --> 00:16:52,670

close-up with coins cards anything I can

370

00:16:51,139 --> 00:16:54,679

borrow from people like rings phones

371

00:16:52,669 --> 00:16:56,000
because I'm always scared like when I'm

372
00:16:54,679 --> 00:16:57,349
around with the amazing Randi I'm always

373
00:16:56,000 --> 00:16:58,879
making checking my stuff in that because

374
00:16:57,350 --> 00:17:00,680
I know he can steal stuff if he wants to

375
00:16:58,879 --> 00:17:02,269
and I'm always scared magicians scare me

376
00:17:00,679 --> 00:17:03,859
because you've got talents beyond mortal

377
00:17:02,269 --> 00:17:05,240
people that's understandable and I try

378
00:17:03,860 --> 00:17:07,099
to debunk that and just say like and

379
00:17:05,240 --> 00:17:08,599
more importantly what I want to make

380
00:17:07,099 --> 00:17:10,818
sure that my audience has is a good time

381
00:17:08,599 --> 00:17:12,980
well I'm sure they will here actually

382
00:17:10,818 --> 00:17:14,838
what is your like Penn & Teller their

383
00:17:12,980 --> 00:17:16,068
ultimate act is the bullet catch that's

384
00:17:14,838 --> 00:17:17,750
the one they're known for have you got

385
00:17:16,068 --> 00:17:19,250

something at the equivalent of the

386

00:17:17,750 --> 00:17:20,359

bullet cap what's your big one that you

387

00:17:19,250 --> 00:17:21,799

would finish an act with if you had a

388

00:17:20,359 --> 00:17:23,928

proper stage show have you got something

389

00:17:21,799 --> 00:17:27,109

I have a few reputation makers well

390

00:17:23,929 --> 00:17:28,940

amongst the magic community I think my

391

00:17:27,109 --> 00:17:31,849

version of the invisible deck is quite

392

00:17:28,940 --> 00:17:33,230

popular yes and I also have a coin piece

393

00:17:31,849 --> 00:17:34,428

which I'm looking at some Midianites

394

00:17:33,230 --> 00:17:35,929

stay tight-lipped about this one because

395

00:17:34,429 --> 00:17:38,240

I do want to submit it to the good folks

396

00:17:35,929 --> 00:17:40,220

at fool us hoping that it might end up

397

00:17:38,240 --> 00:17:41,900

with me an opportunity to compete at for

398

00:17:40,220 --> 00:17:43,789

us in Las Vegas you should be on that

399

00:17:41,900 --> 00:17:45,650

show goes they love their close up now

400
00:17:43,789 --> 00:17:47,149
and it's it's a coin piece which is my

401
00:17:45,650 --> 00:17:49,280
favorite discipline of magic which I've

402
00:17:47,150 --> 00:17:51,200
shown to all of my heroes over the years

403
00:17:49,279 --> 00:17:53,928
the guy's the reason the very reason

404
00:17:51,200 --> 00:17:55,789
that I perform magic especially coin

405
00:17:53,929 --> 00:17:57,920
magic people like Erik Jones and and

406
00:17:55,789 --> 00:17:59,450
David Roth amazing guys and I've showed

407
00:17:57,920 --> 00:18:01,940
them this particular routine and they've

408
00:17:59,450 --> 00:18:03,019
gone I have no idea so I feel like

409
00:18:01,940 --> 00:18:05,240
that's in with a chance

410
00:18:03,019 --> 00:18:08,029
fingers crossed now chela when he was

411
00:18:05,240 --> 00:18:09,500
younger used to make a habit of palming

412
00:18:08,029 --> 00:18:10,910
everything when he was a young kid from

413
00:18:09,500 --> 00:18:13,250
his mum he'd like get their credit card

414
00:18:10,910 --> 00:18:14,690
and you carried around all day so the

415
00:18:13,250 --> 00:18:15,740
kind of level of dedication you need to

416
00:18:14,690 --> 00:18:17,840
be able to hide things well with

417
00:18:15,740 --> 00:18:19,039
close-up magic indeed it is I I'll be

418
00:18:17,839 --> 00:18:21,259
the type of guy that will actually hold

419
00:18:19,039 --> 00:18:22,519
out in palm position or just in various

420
00:18:21,259 --> 00:18:25,400
hold outs in my hand I've actually

421
00:18:22,519 --> 00:18:27,778
shaken hands with people at events while

422
00:18:25,400 --> 00:18:29,639
having things secretly permed in my

423
00:18:27,778 --> 00:18:31,229
I'll take it to the extent where I'll be

424
00:18:29,638 --> 00:18:32,788
driving from one place to another trying

425
00:18:31,229 --> 00:18:34,590
to see if I can actually make it all day

426
00:18:32,788 --> 00:18:35,009
without anyone noticing something in my

427
00:18:34,589 --> 00:18:37,319
hand

428

00:18:35,009 --> 00:18:39,239
I get a busy same piece for example now

429
00:18:37,319 --> 00:18:41,158
we got the best piece of magic I had

430
00:18:39,239 --> 00:18:44,038
performed on me and with me was that was

431
00:18:41,159 --> 00:18:46,229
where the amazing Randi did the book

432
00:18:44,038 --> 00:18:48,210
trick upon me I we went to the book shop

433
00:18:46,229 --> 00:18:49,769
in Melbourne it was a in bigan books and

434
00:18:48,210 --> 00:18:51,749
did the hop pick a book on on the thing

435
00:18:49,769 --> 00:18:53,548
in Britain and he did that and like I

436
00:18:51,749 --> 00:18:55,108
know I could probably go online and read

437
00:18:53,548 --> 00:18:57,058
one of the many ways you can do the book

438
00:18:55,108 --> 00:18:58,589
trick but I don't want to I want to

439
00:18:57,058 --> 00:19:00,418
enjoy the fact that I had some magic

440
00:18:58,589 --> 00:19:00,808
performed on me and I've got no idea how

441
00:19:00,419 --> 00:19:02,249
he did it

442
00:19:00,808 --> 00:19:04,019

indeed it is and it's one of the things

443

00:19:02,249 --> 00:19:05,278

that when I do get the the skeptic types

444

00:19:04,019 --> 00:19:07,079

that you know that a kid they get

445

00:19:05,278 --> 00:19:08,398

frustrated that they don't know how it's

446

00:19:07,079 --> 00:19:10,019

done and I just try to reassure them

447

00:19:08,398 --> 00:19:11,788

listen if you knew how I was doing

448

00:19:10,019 --> 00:19:13,469

everything I would not be worth the

449

00:19:11,788 --> 00:19:15,148

money being spent for me to be here to

450

00:19:13,469 --> 00:19:16,440

entertain you and then they have in that

451

00:19:15,148 --> 00:19:17,908

moment that sort of go while you're

452

00:19:16,440 --> 00:19:19,080

right and in that moment they just

453

00:19:17,909 --> 00:19:20,249

willing to accept everything that sort

454

00:19:19,079 --> 00:19:22,259

of happens in front of them from then on

455

00:19:20,249 --> 00:19:24,210

in it works really well it's a very good

456

00:19:22,259 --> 00:19:25,679

explanation now Penn & Teller we

457
00:19:24,210 --> 00:19:26,848
mentioned the bullet catch what's your

458
00:19:25,679 --> 00:19:28,440
favorite trick of theirs

459
00:19:26,848 --> 00:19:30,088
since they're the sceptical magicians

460
00:19:28,440 --> 00:19:32,009
really wow that bullet catch is really

461
00:19:30,088 --> 00:19:33,509
something he's pretty special nice and I

462
00:19:32,009 --> 00:19:35,429
love how I think was Penn said look if

463
00:19:33,509 --> 00:19:36,838
you ask me how I did that and I told you

464
00:19:35,429 --> 00:19:38,369
once maybe that's the way it was done

465
00:19:36,838 --> 00:19:39,868
maybe it wasn't because I mean really

466
00:19:38,368 --> 00:19:41,638
there's a couple of ways they could have

467
00:19:39,868 --> 00:19:43,259
done it but none of them seemed safe but

468
00:19:41,638 --> 00:19:45,238
he said if you think we would really go

469
00:19:43,259 --> 00:19:47,128
on stage with a loaded gun yeah they

470
00:19:45,239 --> 00:19:48,569
wouldn't exactly what it's amazing in

471
00:19:47,128 --> 00:19:51,778
there I've tried to come up with many of

472
00:19:48,569 --> 00:19:53,460
versions myself for my own shows the

473
00:19:51,778 --> 00:19:55,138
legalities obviously in Australia now

474
00:19:53,460 --> 00:19:57,149
been a very very hindering and that sort

475
00:19:55,138 --> 00:19:58,258
of thing I came up with a method hoping

476
00:19:57,148 --> 00:20:01,228
that I could do one with a paintball gun

477
00:19:58,259 --> 00:20:03,239
oh yeah unfortunately that would incur a

478
00:20:01,229 --> 00:20:05,580
twenty thousand dollar fine really

479
00:20:03,239 --> 00:20:06,808
indeed it would say yes so part of a

480
00:20:05,579 --> 00:20:09,178
stage show you get some sort of

481
00:20:06,808 --> 00:20:10,798
dispensation from authorities when they

482
00:20:09,179 --> 00:20:13,288
understood what I was actually intending

483
00:20:10,798 --> 00:20:14,819
to use it for they declined my arm

484
00:20:13,288 --> 00:20:16,108
Hearst license and they said we are not

485

00:20:14,819 --> 00:20:17,439
gonna allow you to do that and I went

486
00:20:16,108 --> 00:20:19,569
okay

487
00:20:17,440 --> 00:20:21,278
okay alright so what are the others have

488
00:20:19,569 --> 00:20:23,200
famous musicians that you like well some

489
00:20:21,278 --> 00:20:24,669
of the ones you like yeah I mean with

490
00:20:23,200 --> 00:20:26,080
the amazing Randy be there cuz it was an

491
00:20:24,669 --> 00:20:28,509
escape artist you don't do that sort of

492
00:20:26,079 --> 00:20:29,798
thing do you I do I do indeed yes that

493
00:20:28,509 --> 00:20:31,899
involves hurting yourself and

494
00:20:29,798 --> 00:20:34,240
dislocating stuff does it does you know

495
00:20:31,898 --> 00:20:35,469
and sometimes you know we doing carry

496
00:20:34,240 --> 00:20:36,909
injuries throughout life and then we

497
00:20:35,470 --> 00:20:38,558
find out later on in life how useful

498
00:20:36,909 --> 00:20:39,970
they can actually become like my

499
00:20:38,558 --> 00:20:43,298

shoulder for example in a basketball

500

00:20:39,970 --> 00:20:45,278

fall so Wow indeed yeah very handy so

501

00:20:43,298 --> 00:20:46,450

well he's one what's one we might not

502

00:20:45,278 --> 00:20:47,740

have heard of that you think wow that's

503

00:20:46,450 --> 00:20:49,360

good magician more people should know

504

00:20:47,740 --> 00:20:52,149

about that person Wow

505

00:20:49,359 --> 00:20:54,189

amongst the amazing like local talents I

506

00:20:52,148 --> 00:20:57,548

mean I'm here in Sydney and so many of

507

00:20:54,190 --> 00:20:58,870

my my friends who were to some degree my

508

00:20:57,548 --> 00:21:00,398

heroes and now I have the pleasure exit

509

00:20:58,869 --> 00:21:02,648

: and Francis people like Phoenix

510

00:21:00,398 --> 00:21:04,898

Montgomery these people I had a matter

511

00:21:02,648 --> 00:21:08,138

Vincent Cao who who represented

512

00:21:04,898 --> 00:21:11,319

Australia at the Fizz omission which is

513

00:21:08,138 --> 00:21:13,689

essentially the Olympics of magic an

514
00:21:11,319 --> 00:21:15,369
amazing talent I believe is in the 18

515
00:21:13,690 --> 00:21:17,590
just to 19

516
00:21:15,369 --> 00:21:19,538
yeah and he's an amazing talent he was a

517
00:21:17,589 --> 00:21:20,709
very proudly brought us home a fifth

518
00:21:19,538 --> 00:21:22,990
position at the other World

519
00:21:20,710 --> 00:21:24,370
Championships in if you see the calibre

520
00:21:22,990 --> 00:21:26,169
of magic and creativity from such a

521
00:21:24,369 --> 00:21:28,000
young guy he's really gonna help put

522
00:21:26,169 --> 00:21:29,860
Australia on the map when it comes to if

523
00:21:28,000 --> 00:21:31,450
I went to went to go see a magician in

524
00:21:29,859 --> 00:21:33,069
Sydney I don't know where I'd go to what

525
00:21:31,450 --> 00:21:34,569
are the good venues in Melbourne to see

526
00:21:33,069 --> 00:21:35,740
magicians in well there's actually many

527
00:21:34,569 --> 00:21:38,349
a venue is obviously there is my

528
00:21:35,740 --> 00:21:40,359
residency which is at holy moly there is

529
00:21:38,349 --> 00:21:42,459
also a couple of weekly or monthly

530
00:21:40,359 --> 00:21:43,928
events that we have for example we have

531
00:21:42,460 --> 00:21:46,179
top hat Tuesday which is on the very

532
00:21:43,929 --> 00:21:47,980
first Tuesday of every month at a venue

533
00:21:46,179 --> 00:21:50,528
called the 86 in Smith Street in

534
00:21:47,980 --> 00:21:52,149
Collingwood another great venue is the

535
00:21:50,528 --> 00:21:54,220
laneway theater where performances

536
00:21:52,148 --> 00:21:56,500
happen quite regularly the leymah theory

537
00:21:54,220 --> 00:21:57,788
is owned by one of Australia's greatest

538
00:21:56,500 --> 00:21:59,769
magicians and one of my mentors and

539
00:21:57,788 --> 00:22:01,690
heroes his name is Tim Ellis so he

540
00:21:59,769 --> 00:22:03,339
actually built a theatre in his home

541
00:22:01,690 --> 00:22:04,750
which is the laneway theatre and he

542

00:22:03,339 --> 00:22:06,250
performs there regularly as well as

543
00:22:04,750 --> 00:22:07,929
others and there's another thing that we

544
00:22:06,250 --> 00:22:10,839
hold there called sleight night in which

545
00:22:07,929 --> 00:22:12,129
we gather four of the best magicians who

546
00:22:10,839 --> 00:22:13,209
are in Melbourne at the time sometimes

547
00:22:12,128 --> 00:22:14,408
the international acts that come and

548
00:22:13,210 --> 00:22:16,000
visit will invite them to come and

549
00:22:14,409 --> 00:22:16,750
perform and you can see some of the best

550
00:22:16,000 --> 00:22:18,369
close-up magic

551
00:22:16,750 --> 00:22:20,440
with this small little theater that

552
00:22:18,369 --> 00:22:21,939
holds about 40 people and it's just a

553
00:22:20,440 --> 00:22:24,639
great atmosphere and an even better show

554
00:22:21,940 --> 00:22:25,869
why do you think magicians are involved

555
00:22:24,638 --> 00:22:27,939
with skepticism because a lot of

556
00:22:25,868 --> 00:22:28,279

skeptics are magicians is it because

557

00:22:27,940 --> 00:22:29,660

they

558

00:22:28,279 --> 00:22:31,910

people for living so when they see

559

00:22:29,660 --> 00:22:33,950

people scamming did they go hang on a

560

00:22:31,910 --> 00:22:35,680

minute I think there is some degree and

561

00:22:33,950 --> 00:22:37,580

I think from my self understanding

562

00:22:35,680 --> 00:22:39,200

ultimately for me what I enjoy better

563

00:22:37,579 --> 00:22:42,710

most is when you meet the skeptics and

564

00:22:39,200 --> 00:22:45,259

they theorize how your routines and your

565

00:22:42,710 --> 00:22:46,610

tricks are achieved I really listen and

566

00:22:45,259 --> 00:22:48,589

the reason for that is because I don't

567

00:22:46,609 --> 00:22:52,369

want to adopt any method that people

568

00:22:48,589 --> 00:22:54,949

might seem as obvious which for me makes

569

00:22:52,369 --> 00:22:57,019

my magic level a lot more deceptive and

570

00:22:54,950 --> 00:22:58,910

as a result as a result into me in the

571
00:22:57,019 --> 00:23:00,319
magic community having a little little

572
00:22:58,910 --> 00:23:02,390
more of a status and now I had the

573
00:23:00,319 --> 00:23:03,919
opportunity to actually go to

574
00:23:02,390 --> 00:23:06,500
conventions for example I was at Genie

575
00:23:03,920 --> 00:23:07,789
con hearing here in New South Wales and

576
00:23:06,500 --> 00:23:10,009
I was lecturing there and I'll be

577
00:23:07,789 --> 00:23:13,750
I'll be in Brisbane next year at the

578
00:23:10,009 --> 00:23:16,069
Assembly which was run by Sean Piper so

579
00:23:13,750 --> 00:23:18,079
when you start thinking this way and

580
00:23:16,069 --> 00:23:20,059
really trying to adopt methods that are

581
00:23:18,079 --> 00:23:21,649
gonna fool people is challenging as they

582
00:23:20,059 --> 00:23:23,809
are for you to actually master these

583
00:23:21,650 --> 00:23:25,850
slides in the end ultimately all you're

584
00:23:23,809 --> 00:23:27,019
gonna be doing is generating routines

585
00:23:25,849 --> 00:23:29,719
that are going to be your reputation

586
00:23:27,019 --> 00:23:31,670
makers and people are really going to

587
00:23:29,720 --> 00:23:33,230
enjoy them well it's been great change

588
00:23:31,670 --> 00:23:34,700
you about this I'm gonna I'm looking I'm

589
00:23:33,230 --> 00:23:35,779
looking forward to saying you're wrong

590
00:23:34,700 --> 00:23:36,980
then I'm gonna sit in the audience and

591
00:23:35,779 --> 00:23:38,299
have a really good look at what you're

592
00:23:36,980 --> 00:23:39,710
doing there where can people see you

593
00:23:38,299 --> 00:23:41,690
online or find out a bit more about you

594
00:23:39,710 --> 00:23:44,420
online indeed you can find me online at

595
00:23:41,690 --> 00:23:46,070
Nick Kay magic calm and there's links

596
00:23:44,420 --> 00:23:47,960
there to my Facebook and of course my

597
00:23:46,069 --> 00:23:50,450
Instagram feel free to drop me a line

598
00:23:47,960 --> 00:23:53,779
and thank you so much for your time inna

599

00:23:50,450 --> 00:23:55,940
thank you well it's now Sunday morning

600
00:23:53,779 --> 00:23:58,670
here of the final day of the skeptic on

601
00:23:55,940 --> 00:24:00,350
2018 and it's a bit of an overcast day

602
00:23:58,670 --> 00:24:02,930
but I'm here with Peter Rogers how are

603
00:24:00,349 --> 00:24:04,339
you I'm very well look I was introduced

604
00:24:02,930 --> 00:24:07,519
to you as a you are the guy who knows

605
00:24:04,339 --> 00:24:10,269
everything about magic why is scepticism

606
00:24:07,519 --> 00:24:12,470
and magicians so closely connected

607
00:24:10,269 --> 00:24:14,809
magicians are all into fraud they do it

608
00:24:12,470 --> 00:24:16,370
themselves but I admit it and there's a

609
00:24:14,809 --> 00:24:20,029
lot of people with the skeptics so

610
00:24:16,369 --> 00:24:22,038
against that psychics that use the same

611
00:24:20,029 --> 00:24:24,210
methods as magicians and

612
00:24:22,038 --> 00:24:25,890
what do you think of the is the

613
00:24:24,210 --> 00:24:27,569

proportion of people that are genuinely

614

00:24:25,890 --> 00:24:29,038

being fraudulent and the ones that are

615

00:24:27,569 --> 00:24:30,629

convinced that they can do it and fool

616

00:24:29,038 --> 00:24:32,220

themselves whoever kind of worked out

617

00:24:30,630 --> 00:24:34,049

with that ratio would be I don't know

618

00:24:32,220 --> 00:24:35,970

it's 50/50 I think I think a lot of

619

00:24:34,048 --> 00:24:38,398

people that mortar divining I think a

620

00:24:35,970 --> 00:24:39,690

lot of them are true believers mmm but

621

00:24:38,398 --> 00:24:41,519

they're killing themselves

622

00:24:39,690 --> 00:24:43,308

I think fortune tell us the same you

623

00:24:41,519 --> 00:24:46,408

know some people think they can do it

624

00:24:43,308 --> 00:24:49,349

they just don't understand averages how

625

00:24:46,409 --> 00:24:51,809

things actually turn out and Peter as a

626

00:24:49,349 --> 00:24:53,548

magician we had Nick K from Melbourne

627

00:24:51,808 --> 00:24:54,418

doing some close-up magic kind of stuff

628
00:24:53,548 --> 00:24:56,220
there last night

629
00:24:54,419 --> 00:24:57,778
what's been the area of magic that

630
00:24:56,220 --> 00:24:59,278
fascinates you like the close-up

631
00:24:57,778 --> 00:25:01,798
card work what's the stuff you like

632
00:24:59,278 --> 00:25:03,720
close-up in card magic I'm more

633
00:25:01,798 --> 00:25:05,369
interested in the impossibility of it I

634
00:25:03,720 --> 00:25:07,380
don't get out and perform a lot and I'm

635
00:25:05,369 --> 00:25:10,678
I've never wanted to be a performer to

636
00:25:07,380 --> 00:25:13,649
be honest I just like to play with

637
00:25:10,679 --> 00:25:15,390
people's minds to make them just so that

638
00:25:13,648 --> 00:25:17,398
can't happen and what do you like at

639
00:25:15,390 --> 00:25:19,200
palming cards and that sort of thing you

640
00:25:17,398 --> 00:25:21,569
do good at that oh I do a lot of sleight

641
00:25:19,200 --> 00:25:22,649
of hand yeah yeah and how much practice

642
00:25:21,569 --> 00:25:24,450
does that take I was talking to Nick

643
00:25:22,648 --> 00:25:26,129
last night about how teller used to go

644
00:25:24,450 --> 00:25:28,048
around their house as a kid just palming

645
00:25:26,130 --> 00:25:29,610
things all day just keeping them there

646
00:25:28,048 --> 00:25:32,099
to see how long is that what you got to

647
00:25:29,609 --> 00:25:35,038
do yeah I'd be I'd be also playing with

648
00:25:32,099 --> 00:25:36,389
magic all the time it's you know 24

649
00:25:35,038 --> 00:25:38,640
hours a day you're thinking about magic

650
00:25:36,390 --> 00:25:40,320
is that something naughty kids did

651
00:25:38,640 --> 00:25:42,210
before the internet they basically like

652
00:25:40,319 --> 00:25:43,918
for I am I get into a magic act

653
00:25:42,210 --> 00:25:45,509
they're kids well kids still do it with

654
00:25:43,919 --> 00:25:47,490
the Internet actually they they don't go

655
00:25:45,509 --> 00:25:51,750
out performing so much now they actually

656

00:25:47,490 --> 00:25:52,679
learn magic on the Internet I don't

657
00:25:51,750 --> 00:25:55,648
think it's a good way to do it

658
00:25:52,679 --> 00:25:57,000
mm-hmm there's a lot of magic on the

659
00:25:55,648 --> 00:25:58,678
Internet yeah and of course whenever you

660
00:25:57,000 --> 00:25:59,759
do a trick now because everybody knows

661
00:25:58,679 --> 00:26:01,230
everything because of the internet

662
00:25:59,759 --> 00:26:02,548
everyone wants to know how did you do

663
00:26:01,230 --> 00:26:03,839
that trick all the time and they get

664
00:26:02,548 --> 00:26:05,398
really annoyed when you don't tell them

665
00:26:03,839 --> 00:26:08,278
when in fact back in the day that was

666
00:26:05,398 --> 00:26:10,798
just part of the show yeah look if you

667
00:26:08,278 --> 00:26:13,349
saw some on the trick and they're amazed

668
00:26:10,798 --> 00:26:15,569
that have a memory for the rest of their

669
00:26:13,349 --> 00:26:17,849
life you know that wasn't completely

670
00:26:15,569 --> 00:26:20,038

impossible if I learn how it's done

671

00:26:17,849 --> 00:26:22,379

within a week that forgotten it I just

672

00:26:20,038 --> 00:26:24,240

say oh at all they're very disappointed

673

00:26:22,380 --> 00:26:25,710

when I do learn how it's done

674

00:26:24,240 --> 00:26:27,569

this is what I mentioned when the

675

00:26:25,710 --> 00:26:29,759

amazing Randi did the book trick to me

676

00:26:27,569 --> 00:26:31,589

in in a book shop in Melbourne a couple

677

00:26:29,759 --> 00:26:32,700

of years ago I could probably go look up

678

00:26:31,589 --> 00:26:34,289

one of the ways he might have done that

679

00:26:32,700 --> 00:26:35,370

but that might not have been the way he

680

00:26:34,289 --> 00:26:37,289

did it anyway because there's a number

681

00:26:35,369 --> 00:26:39,000

of ways to do it I just enjoy being

682

00:26:37,289 --> 00:26:41,190

amazed by the whole thing in being a

683

00:26:39,000 --> 00:26:41,910

part of it yeah yeah once once you know

684

00:26:41,190 --> 00:26:43,830

how it's done

685
00:26:41,910 --> 00:26:46,380
you know it's lost its mysteries lost

686
00:26:43,829 --> 00:26:48,899
its real purpose in been done so you

687
00:26:46,380 --> 00:26:50,940
know magic is the illusion of something

688
00:26:48,900 --> 00:26:51,269
impossible happening when you know how

689
00:26:50,940 --> 00:26:53,820
it's done

690
00:26:51,269 --> 00:26:55,440
you think I'll I could have done that if

691
00:26:53,819 --> 00:26:57,779
I knew that and you and you lose

692
00:26:55,440 --> 00:27:01,140
interest in it and within a few months

693
00:26:57,779 --> 00:27:02,428
you forget really forget it anyway and

694
00:27:01,140 --> 00:27:04,170
we've been some of your favorite

695
00:27:02,429 --> 00:27:06,059
all-time Australian magicians because

696
00:27:04,170 --> 00:27:07,679
they tend to give it overshadowed by the

697
00:27:06,058 --> 00:27:09,629
overseas imports it were the ones that

698
00:27:07,679 --> 00:27:12,750
we should remember from back in the day

699
00:27:09,630 --> 00:27:15,360
and even now we've actually had a lot of

700
00:27:12,750 --> 00:27:19,190
magicians in Australia the two world on

701
00:27:15,359 --> 00:27:21,719
one's a little event who was popular

702
00:27:19,190 --> 00:27:24,090
during the war and after the war very

703
00:27:21,720 --> 00:27:25,860
popular in England but he came from well

704
00:27:24,089 --> 00:27:27,470
he lived in Delft the Bellevue Hill in

705
00:27:25,859 --> 00:27:31,189
Sydney

706
00:27:27,470 --> 00:27:32,659
and Brooklyn who all call him an

707
00:27:31,190 --> 00:27:34,519
Australian he actually came to Australia

708
00:27:32,659 --> 00:27:37,809
as a five-year-old Kane lived in Sydney

709
00:27:34,519 --> 00:27:42,619
to Europe and New Zealand and Australia

710
00:27:37,808 --> 00:27:44,869
again back in the 40s 50s 60s but my

711
00:27:42,619 --> 00:27:47,178
true love is probably a gentleman by the

712
00:27:44,869 --> 00:27:51,109
name of Sheen hue guard he was actually

713

00:27:47,179 --> 00:27:53,870
born in Toowoomba and as a young man he

714
00:27:51,109 --> 00:27:55,399
took up magic was interested in magic he

715
00:27:53,869 --> 00:27:58,639
started work for a bank this is back in

716
00:27:55,400 --> 00:28:02,269
the eighteen hundreds okay work for Bank

717
00:27:58,640 --> 00:28:04,520
was transferred to Berk town now if you

718
00:28:02,269 --> 00:28:07,089
know where Berk town is still to get the

719
00:28:04,519 --> 00:28:09,769
book ten there's still a gravel road up

720
00:28:07,089 --> 00:28:12,259
just underneath the Gulf of Gulf of

721
00:28:09,769 --> 00:28:15,980
Carpentaria didn't like working in a

722
00:28:12,259 --> 00:28:17,990
bank so the big export from Burke town

723
00:28:15,980 --> 00:28:21,819
in those days and still is I think was

724
00:28:17,990 --> 00:28:24,829
meat and he bought a refrigeration plant

725
00:28:21,819 --> 00:28:27,250
left the bank there's a blackout or he

726
00:28:24,829 --> 00:28:29,359
lost electricity he lost all the money

727
00:28:27,250 --> 00:28:31,640

sorry Phillip will I've got to take up

728

00:28:29,359 --> 00:28:33,918

magic as a profession and he started

729

00:28:31,640 --> 00:28:36,890

doing magic went to end the charges Taos

730

00:28:33,919 --> 00:28:41,780

had a big magic complex there and this

731

00:28:36,890 --> 00:28:46,009

is about 910 he was to Australia some

732

00:28:41,779 --> 00:28:48,048

magician 1916 but by then he had four

733

00:28:46,009 --> 00:28:50,720

kids we left Australia he went to Fiji

734

00:28:48,048 --> 00:28:53,509

and then he went on to America worked in

735

00:28:50,720 --> 00:28:56,839

Coney Island for ten years and the

736

00:28:53,509 --> 00:29:01,730

Depression hit and I'm magic supply

737

00:28:56,839 --> 00:29:03,199

dealer in America saw he was in hard

738

00:29:01,730 --> 00:29:04,669

times not having any money and he said

739

00:29:03,200 --> 00:29:06,919

will you write some instructions for me

740

00:29:04,669 --> 00:29:09,440

from my tricks I'm selling and then he

741

00:29:06,919 --> 00:29:12,200

started to write books and in jean hugh

742
00:29:09,440 --> 00:29:14,360
guard became one of the greatest magic

743
00:29:12,200 --> 00:29:17,029
writers of the 20th century you had a

744
00:29:14,359 --> 00:29:18,859
background in magic heroes books life

745
00:29:17,029 --> 00:29:22,009
encyclopedia of card fix railroad to

746
00:29:18,859 --> 00:29:23,628
card technique expert card technique

747
00:29:22,009 --> 00:29:25,730
and they're still relevant today of

748
00:29:23,628 --> 00:29:26,719
course relevant today they are right

749
00:29:25,730 --> 00:29:30,169
books

750
00:29:26,720 --> 00:29:32,989
he got actually died his real name was

751
00:29:30,169 --> 00:29:33,350
voiced gerard voice but he called

752
00:29:32,989 --> 00:29:38,538
himself

753
00:29:33,349 --> 00:29:41,808
Jean huger as a writer he died in 1959 I

754
00:29:38,538 --> 00:29:43,759
think was bad August to September who

755
00:29:41,808 --> 00:29:45,859
was the magician's magician like

756
00:29:43,759 --> 00:29:47,509
obviously Houdini always comes up but he

757
00:29:45,859 --> 00:29:48,888
is he the like the one that everyone

758
00:29:47,509 --> 00:29:51,759
looks up to or is that one that the

759
00:29:48,888 --> 00:29:54,589
layperson might not know as well

760
00:29:51,759 --> 00:29:56,028
magicians really don't a lot of medusa

761
00:29:54,589 --> 00:29:57,558
tell like who did any of they thought he

762
00:29:56,028 --> 00:30:00,230
was he was great at promoting himself

763
00:29:57,558 --> 00:30:02,739
but he's actually actual technique at

764
00:30:00,230 --> 00:30:05,778
magic wasn't a great he was good person

765
00:30:02,739 --> 00:30:06,980
showmanship and you know getting people

766
00:30:05,778 --> 00:30:08,898
and getting publicity was great

767
00:30:06,980 --> 00:30:11,929
publicity

768
00:30:08,898 --> 00:30:15,199
magicians magicians probably the best

769
00:30:11,929 --> 00:30:17,179
manipulator of the 20th century early

770

00:30:15,200 --> 00:30:19,850
20th century was a gentleman boiling out

771
00:30:17,179 --> 00:30:21,379
Cardini I know I mentioned Cardini

772
00:30:19,849 --> 00:30:23,118
because he actually called himself

773
00:30:21,378 --> 00:30:25,368
Cardini when he was in Australia his

774
00:30:23,118 --> 00:30:27,108
actual name was Pickford and of course

775
00:30:25,368 --> 00:30:28,999
that sounds like he was a specialist in

776
00:30:27,108 --> 00:30:31,099
the close-up magic well he he was a

777
00:30:28,999 --> 00:30:32,868
manipulator on stage he used to do he

778
00:30:31,099 --> 00:30:35,178
used to produce cards and cigarettes and

779
00:30:32,868 --> 00:30:39,858
back in the days when it was polite to

780
00:30:35,179 --> 00:30:41,869
smoke but he had a perfect another

781
00:30:39,858 --> 00:30:45,439
magician and magician who probably never

782
00:30:41,868 --> 00:30:48,079
heard of his Dai Vernon who was

783
00:30:45,440 --> 00:30:48,739
definitely into close-up magic and all

784
00:30:48,079 --> 00:30:50,329

magicians

785

00:30:48,739 --> 00:30:53,410

especially magicians have been into

786

00:30:50,329 --> 00:30:55,839

close-up magic and card tricks

787

00:30:53,410 --> 00:30:57,269

that have been around in the last 70 odd

788

00:30:55,839 --> 00:31:00,039

years we'll have heard of dive in and

789

00:30:57,269 --> 00:31:02,859

probably had the most influence of any

790

00:31:00,039 --> 00:31:05,980

magician originally from Canada then he

791

00:31:02,859 --> 00:31:11,229

went down to New York as a young man and

792

00:31:05,980 --> 00:31:13,360

then in the 1960s he went to Los Angeles

793

00:31:11,230 --> 00:31:16,059

join the Magic Castle which is a

794

00:31:13,359 --> 00:31:17,829

magician's club in Los Angeles stayed

795

00:31:16,059 --> 00:31:21,789

there until he died he was in his 90s

796

00:31:17,829 --> 00:31:24,399

and this is back in the early 1990s that

797

00:31:21,789 --> 00:31:26,049

he died and what about currently who are

798

00:31:24,400 --> 00:31:28,360

the ones that would be the top of their

799

00:31:26,049 --> 00:31:30,759

game worldwide at the moment look at the

800

00:31:28,359 --> 00:31:32,740

pitch what sort of magic you're

801

00:31:30,759 --> 00:31:35,140

interested in it's like saying who's the

802

00:31:32,740 --> 00:31:37,569

top singer that's true but it depends

803

00:31:35,140 --> 00:31:39,520

you know yeah well you do have the ones

804

00:31:37,569 --> 00:31:41,470

that like doing the big the big stuff

805

00:31:39,519 --> 00:31:42,849

like making half a city disappear like

806

00:31:41,470 --> 00:31:44,829

kind of stuff to go do close-up magic

807

00:31:42,849 --> 00:31:46,389

air yeah David David Copperfield

808

00:31:44,829 --> 00:31:49,750

probably the best known one even

809

00:31:46,390 --> 00:31:52,000

Siegfried and Roy were big up until they

810

00:31:49,750 --> 00:31:53,920

had their excellent yeah 15 years or so

811

00:31:52,000 --> 00:31:55,990

that the David Copperfield Penn & Teller

812

00:31:53,920 --> 00:31:57,759

had the big show in Las Vegas

813
00:31:55,990 --> 00:31:59,140
yes I've saw this show it's a great

814
00:31:57,759 --> 00:32:00,940
range of acts they did it was kind of a

815
00:31:59,140 --> 00:32:02,290
bestop show I saw and because they

816
00:32:00,940 --> 00:32:03,850
finished with the bullet catch for that

817
00:32:02,289 --> 00:32:05,500
which they're quite well known from but

818
00:32:03,849 --> 00:32:06,480
all the ones on the way to get there

819
00:32:05,500 --> 00:32:10,869
were interesting as well

820
00:32:06,480 --> 00:32:13,029
yeah if you see Penn & Teller XE they

821
00:32:10,869 --> 00:32:14,739
keep changing their show so sometimes

822
00:32:13,029 --> 00:32:16,299
you're golden it's a great show you

823
00:32:14,740 --> 00:32:18,640
might go a few months later and they'll

824
00:32:16,299 --> 00:32:20,319
have changed the routine so you might be

825
00:32:18,640 --> 00:32:22,120
disappointed so it won't be quite as

826
00:32:20,319 --> 00:32:23,200
good or you know because they change the

827

00:32:22,119 --> 00:32:25,059
rent and then you might go back a few

828
00:32:23,200 --> 00:32:26,710
months later and see in another so some

829
00:32:25,059 --> 00:32:27,970
of the some of the routines they do will

830
00:32:26,710 --> 00:32:30,970
be the same and some will be different

831
00:32:27,970 --> 00:32:32,289
so they keep its look every time you go

832
00:32:30,970 --> 00:32:33,579
to Las Vegas it's worth going back

833
00:32:32,289 --> 00:32:36,789
because you'll always see something new

834
00:32:33,579 --> 00:32:39,279
and they show it's just you know some of

835
00:32:36,789 --> 00:32:42,700
the material you might not like as well

836
00:32:39,279 --> 00:32:44,440
as others but mmm yeah when they started

837
00:32:42,700 --> 00:32:46,090
out that little bit like they seem to be

838
00:32:44,440 --> 00:32:47,650
the anti magicians like doing the cup

839
00:32:46,089 --> 00:32:49,269
and balls with the plastic Caesar cups

840
00:32:47,650 --> 00:32:51,070
and stuff and the great thing about that

841
00:32:49,269 --> 00:32:52,389

is that even when you see them doing it

842

00:32:51,069 --> 00:32:53,859

with the plastic see-through cup you

843

00:32:52,390 --> 00:32:55,450

don't really learn all that much more it

844

00:32:53,859 --> 00:32:58,000

doesn't give anything away we're now I

845

00:32:55,450 --> 00:32:59,140

knew a lot of magicians for didn't like

846

00:32:58,000 --> 00:33:00,880

it because I said ah this is all

847

00:32:59,140 --> 00:33:02,740

exposure they're exposing the secrets

848

00:33:00,880 --> 00:33:04,000

but I don't think they were there you

849

00:33:02,740 --> 00:33:05,769

know they didn't

850

00:33:04,000 --> 00:33:08,740

so the cups and balls with see-through

851

00:33:05,769 --> 00:33:09,940

cups the point is a layman still

852

00:33:08,740 --> 00:33:13,630

wouldn't know how it was done absolutely

853

00:33:09,940 --> 00:33:17,110

yeah you know were using misdirection

854

00:33:13,630 --> 00:33:19,840

which is what all magics is its so the

855

00:33:17,109 --> 00:33:21,279

same principles and a lay audience still

856

00:33:19,839 --> 00:33:23,109

didn't know how it was done

857

00:33:21,279 --> 00:33:24,670

what's the one trick you've seen anyone

858

00:33:23,109 --> 00:33:26,049

do during your entire life and you

859

00:33:24,670 --> 00:33:29,140

pretty much know how much that would its

860

00:33:26,049 --> 00:33:30,339

floor do you go on Hannah what's the one

861

00:33:29,140 --> 00:33:32,050

trick that if someone's done that's

862

00:33:30,339 --> 00:33:35,709

again hang and what I get fooled

863

00:33:32,049 --> 00:33:39,009

occasionally I can remember just a close

864

00:33:35,710 --> 00:33:41,769

up routine with four coins magician past

865

00:33:39,009 --> 00:33:45,369

these hands a few inches above the coins

866

00:33:41,769 --> 00:33:48,220

and I seem to gather in a corner in one

867

00:33:45,369 --> 00:33:50,799

spot they just seem to move around and I

868

00:33:48,220 --> 00:33:53,890

was amazed the first time I saw it that

869

00:33:50,799 --> 00:33:56,759

I I don't sleep until I find out how

870
00:33:53,890 --> 00:34:01,270
it's done so I I don't think there's

871
00:33:56,759 --> 00:34:04,420
many tricks that I'm still fooled by I

872
00:34:01,269 --> 00:34:05,589
I'm not be fooled for a while but I make

873
00:34:04,420 --> 00:34:07,390
an effort to find out how they're done

874
00:34:05,589 --> 00:34:09,219
because we're here with their skepticism

875
00:34:07,390 --> 00:34:10,898
what's the sort of what's the one whew

876
00:34:09,219 --> 00:34:12,549
that really annoys you what's a word

877
00:34:10,898 --> 00:34:14,699
that gets your goat that annoys you of

878
00:34:12,550 --> 00:34:18,850
most of all of them I don't like people

879
00:34:14,699 --> 00:34:21,609
claiming to be a genuine psychic or a

880
00:34:18,849 --> 00:34:24,819
genuine at anything but using trickery

881
00:34:21,610 --> 00:34:26,769
to achieve that and not admitting it so

882
00:34:24,820 --> 00:34:29,470
I suppose I'm thinking of Uri Geller

883
00:34:26,769 --> 00:34:32,590
well I had problems that Uri Geller made

884

00:34:29,469 --> 00:34:34,750
a lot of money in defrauding people he

885
00:34:32,590 --> 00:34:37,269
now virtually although he still can't

886
00:34:34,750 --> 00:34:41,190
say out loud the boots the admits to

887
00:34:37,269 --> 00:34:43,449
magicians that he is one of us and

888
00:34:41,190 --> 00:34:45,070
where's the website we could go that's

889
00:34:43,449 --> 00:34:46,599
got either a good history of magic or

890
00:34:45,070 --> 00:34:47,800
some stuff about magic in case we want

891
00:34:46,599 --> 00:34:48,549
to learn a bit more what's one you could

892
00:34:47,800 --> 00:34:50,440
recommend to this

893
00:34:48,550 --> 00:34:55,210
I prefer books actually to the website

894
00:34:50,440 --> 00:34:56,740
so it's a good book then better if you

895
00:34:55,210 --> 00:34:57,849
want a depends on whether you want to

896
00:34:56,739 --> 00:34:59,439
know the secret so if you want to know

897
00:34:57,849 --> 00:35:00,699
the history of magic all right let's go

898
00:34:59,440 --> 00:35:02,289

with the history of magic because a lot

899

00:35:00,699 --> 00:35:03,969

of people wanted the secrets but that's

900

00:35:02,289 --> 00:35:05,349

like going to the blueprints of the

901

00:35:03,969 --> 00:35:06,639

whole thing let's find out who designed

902

00:35:05,349 --> 00:35:11,380

the car let's go that way

903

00:35:06,639 --> 00:35:15,608

yeah if you look at books written by

904

00:35:11,380 --> 00:35:17,559

ed would endorse the aw yes he's from

905

00:35:15,608 --> 00:35:23,049

Hull in in England he's written numerous

906

00:35:17,559 --> 00:35:27,849

books if you just want to read the best

907

00:35:23,050 --> 00:35:30,310

specific magicians there's a lot of

908

00:35:27,849 --> 00:35:32,950

books published by Mike Haynie in

909

00:35:30,309 --> 00:35:36,190

America of course his publishing company

910

00:35:32,949 --> 00:35:38,379

magic words he's written some of the

911

00:35:36,190 --> 00:35:41,440

books he's written books on on Harry

912

00:35:38,380 --> 00:35:43,420

Keller is a famous magician on on Carter

913
00:35:41,440 --> 00:35:45,400
the great another great magician he's

914
00:35:43,420 --> 00:35:46,900
published a book on less Levant was

915
00:35:45,400 --> 00:35:52,780
actually written by Kent Blackmore who's

916
00:35:46,900 --> 00:35:54,400
from Sydney great book these books been

917
00:35:52,780 --> 00:35:56,829
coming out some are still available some

918
00:35:54,400 --> 00:35:58,930
you might have to get secondhand top

919
00:35:56,829 --> 00:36:01,300
tips there Peter will enjoy your final

920
00:35:58,929 --> 00:36:02,348
day here of skeptic on 2018 must been

921
00:36:01,300 --> 00:36:05,619
your favorite moment from the

922
00:36:02,349 --> 00:36:07,720
conferences you so far I think the

923
00:36:05,619 --> 00:36:09,010
performance of magic naturally at the

924
00:36:07,719 --> 00:36:11,799
banquet last night yeah that was pretty

925
00:36:09,010 --> 00:36:14,460
good there thanks a lot babe thank you

926
00:36:11,800 --> 00:36:14,460
man I thank you

927

00:36:27,309 --> 00:36:33,710

calling all skeptics or listeners do you

928

00:36:30,739 --> 00:36:35,750

live in or near Glasgow are you planning

929

00:36:33,710 --> 00:36:38,780

to visit sometime then you're in luck

930

00:36:35,750 --> 00:36:41,840

because Glasgow skeptics have got your

931

00:36:38,780 --> 00:36:43,940

Monday nights sorted we are committed to

932

00:36:41,840 --> 00:36:47,120

filling up every available Monday night

933

00:36:43,940 --> 00:36:49,309

talks on science and skepticism past

934

00:36:47,119 --> 00:36:51,349

speakers include Eugenie Scott Jerry

935

00:36:49,309 --> 00:36:53,389

Coyne Michael Marshall Nate Phelps

936

00:36:51,349 --> 00:36:56,809

Tom and Cecil from cognitive dissonance

937

00:36:53,389 --> 00:36:58,819

PZ Myers Richard Wiseman EC drilling

938

00:36:56,809 --> 00:37:02,000

noah heath and eli from the skating

939

00:36:58,820 --> 00:37:04,250

atheist Simon Singh Rebecca Watson and a

940

00:37:02,000 --> 00:37:06,619

multitude of local academics and

941

00:37:04,250 --> 00:37:09,289
skeptics there's literally nothing

942
00:37:06,619 --> 00:37:11,210
better you can do on a Monday in Glasgow

943
00:37:09,289 --> 00:37:14,150
it doesn't involve taking your clothes

944
00:37:11,210 --> 00:37:16,400
off so come join us we've also got a

945
00:37:14,150 --> 00:37:18,530
vibrant online community you can find us

946
00:37:16,400 --> 00:37:21,019
on Facebook Twitter and get involved

947
00:37:18,530 --> 00:37:38,269
with the discussion glasgow skeptics

948
00:37:21,019 --> 00:37:44,519
self-help for your brain life is wild

949
00:37:38,269 --> 00:37:54,130
[Music]

950
00:37:44,519 --> 00:37:55,449
with Michelle Franklin today I want to

951
00:37:54,130 --> 00:37:58,720
talk about biocontrol

952
00:37:55,449 --> 00:37:59,859
what does it mean to you and what do you

953
00:37:58,719 --> 00:38:01,649
think of when you hear the word

954
00:37:59,860 --> 00:38:04,360
biocontrol

955
00:38:01,650 --> 00:38:06,039

what I tend to find when I when I'm

956

00:38:04,360 --> 00:38:08,829
talking to people is that most

957

00:38:06,039 --> 00:38:11,500
Australians have vaguely heard of

958

00:38:08,829 --> 00:38:14,319
myxomatosis and Khaleesi virus being

959

00:38:11,500 --> 00:38:16,630
used against rabbits and if I'm lucky

960

00:38:14,320 --> 00:38:18,550
maybe they remember back to you know in

961

00:38:16,630 --> 00:38:20,650
science when we learned about the moth

962

00:38:18,550 --> 00:38:24,160
capture Blastoise impacting on cactus

963

00:38:20,650 --> 00:38:25,840
populations but in general I find that

964

00:38:24,159 --> 00:38:28,779
most people tend to think of these as

965

00:38:25,840 --> 00:38:31,990
failures because we still have rabbits

966

00:38:28,780 --> 00:38:34,060
and we still have cactuses so therefore

967

00:38:31,989 --> 00:38:41,169
obviously they think that fire control

968

00:38:34,059 --> 00:38:43,449
doesn't work for the much more common

969

00:38:41,170 --> 00:38:46,360
reason that people seem to talk about it

970
00:38:43,449 --> 00:38:48,369
is when they bring up cane toads as a

971
00:38:46,360 --> 00:38:51,700
retort against a suggestion of

972
00:38:48,369 --> 00:38:53,289
scientists trying something new for

973
00:38:51,699 --> 00:38:55,059
those listeners who are outside of

974
00:38:53,289 --> 00:38:57,070
Australia and may not know about cane

975
00:38:55,059 --> 00:38:59,860
toads they're probably the most hated

976
00:38:57,070 --> 00:39:01,870
invasive species that we have they were

977
00:38:59,860 --> 00:39:05,650
introduced deliberately about 80 years

978
00:39:01,869 --> 00:39:07,659
ago as a bio control agent but they

979
00:39:05,650 --> 00:39:10,869
failed completely and became an invasive

980
00:39:07,659 --> 00:39:13,539
pest all stages of their lifecycle are

981
00:39:10,869 --> 00:39:15,460
poisonous and just to add to their bad

982
00:39:13,539 --> 00:39:18,909
image they're generally considered to be

983
00:39:15,460 --> 00:39:21,039
ugly so now cane toads are the poster

984
00:39:18,909 --> 00:39:23,230
child for why scientists can't be

985
00:39:21,039 --> 00:39:25,960
trusted and biocontrol is a bad idea

986
00:39:23,230 --> 00:39:27,820
this is really unfortunate because it's

987
00:39:25,960 --> 00:39:30,250
used against all manner of scientists

988
00:39:27,820 --> 00:39:32,590
when the argument against the thing that

989
00:39:30,250 --> 00:39:35,380
they're talking about falls down and the

990
00:39:32,590 --> 00:39:37,120
anti science person resorts to attacking

991
00:39:35,380 --> 00:39:40,000
scientists as a whole

992
00:39:37,119 --> 00:39:41,980
yeah well scientists thought cane toads

993
00:39:40,000 --> 00:39:42,190
were a good idea so look where that got

994
00:39:41,980 --> 00:39:44,230
us

995
00:39:42,190 --> 00:39:46,630
where did this image of the bumbling

996
00:39:44,230 --> 00:39:48,670
scientist who takes insane risks and

997
00:39:46,630 --> 00:39:50,980
doesn't consider consequences come from

998

00:39:48,670 --> 00:39:53,750
how is it impacting on working

999
00:39:50,980 --> 00:39:56,329
scientists today where do we go wrong

1000
00:39:53,750 --> 00:39:58,219
and why has one big failure come to

1001
00:39:56,329 --> 00:40:01,670
represent an entire ecological

1002
00:39:58,219 --> 00:40:04,309
management system and more importantly

1003
00:40:01,670 --> 00:40:06,170
what can we do to fix this we all know

1004
00:40:04,309 --> 00:40:08,690
that biocontrol has a terrible image and

1005
00:40:06,170 --> 00:40:11,900
that many people fear the next cane toad

1006
00:40:08,690 --> 00:40:14,000
but we can and have learned a lot since

1007
00:40:11,900 --> 00:40:15,710
this failure not only the failure in the

1008
00:40:14,000 --> 00:40:18,530
risk assessment that allowed cane toads

1009
00:40:15,710 --> 00:40:20,179
to be introduced and this is a risk

1010
00:40:18,530 --> 00:40:22,790
that's been all but completely

1011
00:40:20,179 --> 00:40:24,409
eliminated in modern bio control but

1012
00:40:22,789 --> 00:40:26,570

also the failure and science

1013

00:40:24,409 --> 00:40:29,839

communication that is still plaguing us

1014

00:40:26,570 --> 00:40:32,000

to this day science communication has

1015

00:40:29,840 --> 00:40:36,200

some serious issues that need to be

1016

00:40:32,000 --> 00:40:38,480

addressed at a very broad scale but what

1017

00:40:36,199 --> 00:40:41,659

I want to talk to you about today is how

1018

00:40:38,480 --> 00:40:44,119

you as a science enthusiast can help the

1019

00:40:41,659 --> 00:40:46,219

situation for the poor ecologist who was

1020

00:40:44,119 --> 00:40:49,159

just trying to make things better and

1021

00:40:46,219 --> 00:40:50,659

can't get past that damn cane toad what

1022

00:40:49,159 --> 00:40:53,119

I want you to do is to educate yourself

1023

00:40:50,659 --> 00:40:55,339

so that when you hear people use this

1024

00:40:53,119 --> 00:40:58,190

argument you can say the all-important

1025

00:40:55,340 --> 00:41:00,110

well actually and then back it up with

1026

00:40:58,190 --> 00:41:02,570

some interesting and memorable

1027
00:41:00,110 --> 00:41:06,079
information let's start with the basics

1028
00:41:02,570 --> 00:41:09,380
of what buyer control is and how it's

1029
00:41:06,079 --> 00:41:12,710
done today because it is done a lot and

1030
00:41:09,380 --> 00:41:15,079
it's done very well the basic idea of

1031
00:41:12,710 --> 00:41:18,199
buyer control is about balancing

1032
00:41:15,079 --> 00:41:19,819
advantages when an animal or a plant is

1033
00:41:18,199 --> 00:41:21,919
brought in to a new place where it

1034
00:41:19,820 --> 00:41:24,110
didn't exist before it has certain

1035
00:41:21,920 --> 00:41:26,809
advantages everything lives in an

1036
00:41:24,110 --> 00:41:29,030
ecosystem and most plants and animals

1037
00:41:26,809 --> 00:41:31,009
have very specific pest species that

1038
00:41:29,030 --> 00:41:33,470
have evolved with them and which live

1039
00:41:31,010 --> 00:41:36,140
exclusively on them or on their very

1040
00:41:33,469 --> 00:41:38,269
close relatives so if you take a plant

1041
00:41:36,139 --> 00:41:39,650
or animal say from South America and

1042
00:41:38,269 --> 00:41:42,199
bring it to Australia

1043
00:41:39,650 --> 00:41:43,970
suddenly it experiences a world where

1044
00:41:42,199 --> 00:41:46,069
the bulk of the pathogens and parasites

1045
00:41:43,969 --> 00:41:49,009
just don't eat it because they haven't

1046
00:41:46,070 --> 00:41:51,080
evolved to do so everything has a

1047
00:41:49,010 --> 00:41:53,600
background parasite load that it has

1048
00:41:51,079 --> 00:41:55,819
evolved to cope with and when that is

1049
00:41:53,599 --> 00:41:57,739
left behind in South America and the

1050
00:41:55,820 --> 00:42:00,559
invasive species is suddenly free to

1051
00:41:57,739 --> 00:42:04,069
grow and spread uninhibited it has an

1052
00:42:00,559 --> 00:42:06,679
advantage now success in buyer control

1053
00:42:04,070 --> 00:42:07,660
doesn't mean that all of your target

1054
00:42:06,679 --> 00:42:10,460
species die

1055

00:42:07,659 --> 00:42:12,259
success can in fact be quite mediocre

1056
00:42:10,460 --> 00:42:14,990
and hard to spot

1057
00:42:12,260 --> 00:42:17,360
it's not about wiping out the hosts it's

1058
00:42:14,989 --> 00:42:20,199
about developing an ongoing relationship

1059
00:42:17,360 --> 00:42:22,309
between the agent and the host and

1060
00:42:20,199 --> 00:42:23,839
establishing a self-sustaining

1061
00:42:22,309 --> 00:42:26,449
population that will cycle through

1062
00:42:23,840 --> 00:42:28,940
breeding and feeding and living off the

1063
00:42:26,449 --> 00:42:32,000
target species and reducing the health

1064
00:42:28,940 --> 00:42:34,309
of the target species and reducing the

1065
00:42:32,000 --> 00:42:37,219
advantages that it was using to get

1066
00:42:34,309 --> 00:42:40,190
ahead in its new environment step one is

1067
00:42:37,219 --> 00:42:42,739
to find the agent usually this is done

1068
00:42:40,190 --> 00:42:44,659
by going back to the place of origin and

1069
00:42:42,739 --> 00:42:46,849

just looking around what's eating it

1070

00:42:44,659 --> 00:42:49,429

there you start with a long list of

1071

00:42:46,849 --> 00:42:51,829

potential agents sometimes 100 or more

1072

00:42:49,429 --> 00:42:55,399

species that you found living on this

1073

00:42:51,829 --> 00:42:58,099

this plant or animal and then you start

1074

00:42:55,400 --> 00:43:00,559

whittling that list down for some it's

1075

00:42:58,099 --> 00:43:03,589

easy because they're already known pests

1076

00:43:00,559 --> 00:43:05,989

and in their native country so you know

1077

00:43:03,590 --> 00:43:06,769

that that's not going to work that's the

1078

00:43:05,989 --> 00:43:09,439

easy part

1079

00:43:06,769 --> 00:43:12,409

you shortlist maybe 20 or 30 agents

1080

00:43:09,440 --> 00:43:15,289

usually insects but not always and you

1081

00:43:12,409 --> 00:43:17,750

test them step two is the hard part

1082

00:43:15,289 --> 00:43:20,300

but the rigorous testing and retesting

1083

00:43:17,750 --> 00:43:22,400

that is done to every potential new

1084
00:43:20,300 --> 00:43:25,789
agent is the reason that biocontrol is

1085
00:43:22,400 --> 00:43:29,660
safe today there's two basic tests that

1086
00:43:25,789 --> 00:43:31,519
need to be performed one is to find out

1087
00:43:29,659 --> 00:43:33,619
if the agent can live on something else

1088
00:43:31,519 --> 00:43:36,500
this is the step that was missed with

1089
00:43:33,619 --> 00:43:38,179
the cane toad you have to be almost 100%

1090
00:43:36,500 --> 00:43:41,329
sure that the agent can't survive

1091
00:43:38,179 --> 00:43:44,599
without its host the agent that you're

1092
00:43:41,329 --> 00:43:47,179
looking for has to have evolved with the

1093
00:43:44,599 --> 00:43:49,099
target host species so it'll be

1094
00:43:47,179 --> 00:43:51,649
completely dependent on it for survival

1095
00:43:49,099 --> 00:43:54,019
the way that your test for this is to

1096
00:43:51,650 --> 00:43:56,000
take every conceivable off target host

1097
00:43:54,019 --> 00:43:57,679
which is another way of saying any plant

1098
00:43:56,000 --> 00:44:00,889
or animal that you're not trying to kill

1099
00:43:57,679 --> 00:44:03,230
and you put it in a cage with the agent

1100
00:44:00,889 --> 00:44:06,500
and see if the agent can survive and

1101
00:44:03,230 --> 00:44:08,360
breed if it's even possible for them to

1102
00:44:06,500 --> 00:44:10,489
survive on something other than the

1103
00:44:08,360 --> 00:44:13,099
target host then the agent is a failure

1104
00:44:10,489 --> 00:44:15,679
and it can't be used then the second

1105
00:44:13,099 --> 00:44:18,319
test is to set up the age and in a cage

1106
00:44:15,679 --> 00:44:21,259
with the target host so it's happy and

1107
00:44:18,320 --> 00:44:21,559
healthy and breeding and then introduced

1108
00:44:21,260 --> 00:44:24,080
there

1109
00:44:21,559 --> 00:44:26,449
conceivable off-target host to that

1110
00:44:24,079 --> 00:44:29,690
little system to see if there's any

1111
00:44:26,449 --> 00:44:32,719
collateral damage if a viable population

1112

00:44:29,690 --> 00:44:34,760
living on a target species is capable of

1113
00:44:32,719 --> 00:44:37,339
harming the native or desirable species

1114
00:44:34,760 --> 00:44:40,040
in the new location then again it's a

1115
00:44:37,340 --> 00:44:42,260
failure so if an agent can pass tests

1116
00:44:40,039 --> 00:44:45,380
one and two and it's not capable of

1117
00:44:42,260 --> 00:44:47,870
surviving without its host or able to do

1118
00:44:45,380 --> 00:44:50,690
harm to the native ecosystem and this

1119
00:44:47,869 --> 00:44:52,579
takes years of testing to assure of then

1120
00:44:50,690 --> 00:44:53,929
you can apply to the Australian

1121
00:44:52,579 --> 00:44:56,029
government for permission to start

1122
00:44:53,929 --> 00:44:58,219
releasing into the wild this is the

1123
00:44:56,030 --> 00:45:00,350
hardest step they have extremely high

1124
00:44:58,219 --> 00:45:03,139
standards and sometimes agents can wait

1125
00:45:00,349 --> 00:45:04,909
in review for years before the tests are

1126
00:45:03,139 --> 00:45:08,029

accepted and the agent can be signed off

1127

00:45:04,909 --> 00:45:10,099

for release often there's a cycle of

1128

00:45:08,030 --> 00:45:12,110

retesting to satisfy the high standards

1129

00:45:10,099 --> 00:45:16,339

before you can move on to the release

1130

00:45:12,110 --> 00:45:18,890

trials by this stage the agent is pretty

1131

00:45:16,340 --> 00:45:21,500

much guaranteed to be safe and in many

1132

00:45:18,889 --> 00:45:24,589

cases release trials is when the agent

1133

00:45:21,500 --> 00:45:26,809

fails but in modern bio control failures

1134

00:45:24,590 --> 00:45:28,760

when a host fails to establish or fails

1135

00:45:26,809 --> 00:45:32,000

to impact on its target for whatever

1136

00:45:28,760 --> 00:45:33,860

reason if they just don't breed enough

1137

00:45:32,000 --> 00:45:36,050

or survive in the wild at the levels

1138

00:45:33,860 --> 00:45:37,970

necessary for success that's what a

1139

00:45:36,050 --> 00:45:40,580

failure is and you'll likely never hear

1140

00:45:37,969 --> 00:45:43,219

about it but in the cases where bio

1141
00:45:40,579 --> 00:45:45,579
control is successful the story still

1142
00:45:43,219 --> 00:45:48,049
isn't very dramatic or exciting

1143
00:45:45,579 --> 00:45:51,349
successful bio control doesn't wipe out

1144
00:45:48,050 --> 00:45:53,480
a target species at best it reduces it

1145
00:45:51,349 --> 00:45:56,059
it increases the pressure on that

1146
00:45:53,480 --> 00:45:57,889
invasive species and takes away some of

1147
00:45:56,059 --> 00:46:00,349
the advantages that it has been

1148
00:45:57,889 --> 00:46:02,929
benefiting from when an invasive species

1149
00:46:00,349 --> 00:46:06,139
is exposed to successful bio control

1150
00:46:02,929 --> 00:46:07,759
agent they interact they affect one

1151
00:46:06,139 --> 00:46:10,519
another and they shift their ecological

1152
00:46:07,760 --> 00:46:12,830
equilibrium back to a point where the

1153
00:46:10,519 --> 00:46:15,590
invasive species is a little less

1154
00:46:12,829 --> 00:46:18,199
successful and its impacts are reduced a

1155
00:46:15,590 --> 00:46:19,670
good example of this is mimosa in the

1156
00:46:18,199 --> 00:46:22,429
north of Australia

1157
00:46:19,670 --> 00:46:25,490
it's a horrible prickly yet very pretty

1158
00:46:22,429 --> 00:46:27,949
plant which in its native habitat grows

1159
00:46:25,489 --> 00:46:30,589
to 2 or 3 metres tall and often has

1160
00:46:27,949 --> 00:46:32,659
other plants growing amongst it but in

1161
00:46:30,590 --> 00:46:35,269
Australia where there's little natural

1162
00:46:32,659 --> 00:46:38,328
predation on it it can grow to 4 or 5

1163
00:46:35,268 --> 00:46:41,418
tall form dense impenetrable thickets

1164
00:46:38,329 --> 00:46:44,659
and completely dominate vast tracts of

1165
00:46:41,418 --> 00:46:46,668
land to the exclusion of all else until

1166
00:46:44,659 --> 00:46:48,380
the very successful bio control methods

1167
00:46:46,668 --> 00:46:50,389
are introduced to the into the picture

1168
00:46:48,380 --> 00:46:52,369
and it's brought back to a more

1169

00:46:50,389 --> 00:46:54,949
reasonable height and the canopies

1170
00:46:52,369 --> 00:46:57,919
opened up to allow sunlight and space to

1171
00:46:54,949 --> 00:46:59,989
the understory and now other plants can

1172
00:46:57,918 --> 00:47:03,009
compete with it that's when you move on

1173
00:46:59,989 --> 00:47:05,119
to step four monitoring and maintenance

1174
00:47:03,009 --> 00:47:07,219
populations will always fluctuate

1175
00:47:05,119 --> 00:47:09,919
depending on seasons and conditions and

1176
00:47:07,219 --> 00:47:13,249
sometimes it's useful or even vital to

1177
00:47:09,918 --> 00:47:15,648
keep introducing biocontrol agents at

1178
00:47:13,248 --> 00:47:17,448
strategic intervals to manipulate the

1179
00:47:15,648 --> 00:47:20,630
equilibrium and keep on top of

1180
00:47:17,449 --> 00:47:22,938
populations it's sometimes even

1181
00:47:20,630 --> 00:47:25,219
necessary to water or fertilize the

1182
00:47:22,938 --> 00:47:27,949
target species during the hard times and

1183
00:47:25,219 --> 00:47:29,898

help it to survive in some areas in

1184

00:47:27,949 --> 00:47:32,539

order to preserve the biocontrol agents

1185

00:47:29,898 --> 00:47:34,969

numbers so that they're always there and

1186

00:47:32,539 --> 00:47:37,069

ready to breed back up and reinvest new

1187

00:47:34,969 --> 00:47:38,809

outbreaks when they happen this is a

1188

00:47:37,068 --> 00:47:41,898

good outcome biocontrol is not a

1189

00:47:38,809 --> 00:47:44,119

stand-alone method and it's only one of

1190

00:47:41,898 --> 00:47:47,028

multiple tools that can be used against

1191

00:47:44,119 --> 00:47:48,949

invasive species and if used right it

1192

00:47:47,028 --> 00:47:51,018

can be a significant weapon in a

1193

00:47:48,949 --> 00:47:53,528

multi-stage war against the ecological

1194

00:47:51,018 --> 00:47:53,528

invaders

1195

00:47:55,230 --> 00:48:00,159

so next time someone brings up cane

1196

00:47:58,119 --> 00:48:02,858

toads as their shining example of

1197

00:48:00,159 --> 00:48:05,318

houseplants goes wrong you can say well

1198
00:48:02,858 --> 00:48:07,420
actually and and show them that some

1199
00:48:05,318 --> 00:48:09,608
scientists have learned and grown a lot

1200
00:48:07,420 --> 00:48:14,470
since then and we're actually doing

1201
00:48:09,608 --> 00:48:16,960
pretty good just as a side note it's

1202
00:48:14,469 --> 00:48:19,779
interesting to consider that cane toad

1203
00:48:16,960 --> 00:48:22,030
is often brought up as the example of

1204
00:48:19,780 --> 00:48:25,240
bad ideas from the past and of invasive

1205
00:48:22,030 --> 00:48:27,069
species causing havoc and yet as far as

1206
00:48:25,239 --> 00:48:29,919
we can tell they're not actually

1207
00:48:27,068 --> 00:48:31,960
responsible for any extinctions most

1208
00:48:29,920 --> 00:48:34,659
native animal populations adapt pretty

1209
00:48:31,960 --> 00:48:36,880
quickly to their presence now compare

1210
00:48:34,659 --> 00:48:39,578
the public image of the cane toad to

1211
00:48:36,880 --> 00:48:41,798
that of the cat which is often

1212
00:48:39,579 --> 00:48:43,089
overlooked in these conversations and

1213
00:48:41,798 --> 00:48:45,369
you can see the difference that a pretty

1214
00:48:43,088 --> 00:48:47,288
face and a quirky personality can make

1215
00:48:45,369 --> 00:49:00,789
in persuading people not to pay

1216
00:48:47,289 --> 00:49:03,369
attention to the evidence hello on our

1217
00:49:00,789 --> 00:49:05,440
needle on solo swaths of dip mermans

1218
00:49:03,369 --> 00:49:09,369
been to an at low so now to skeptic zone

1219
00:49:05,440 --> 00:49:13,119
for weed to stop and Katy snide ANCA

1220
00:49:09,369 --> 00:49:17,009
a meeting from a Savannah we may be from

1221
00:49:13,119 --> 00:49:17,009
skeptic zone burns TV

1222
00:49:18,730 --> 00:49:22,139
[Music]

1223
00:49:27,769 --> 00:49:34,289
thank you for listening to the skeptics

1224
00:49:30,269 --> 00:49:36,719
zone and well thank you to that person

1225
00:49:34,289 --> 00:49:38,630
who commented on the YouTube channel of

1226

00:49:36,719 --> 00:49:40,739
the skeptic zone for last week's episode

1227
00:49:38,630 --> 00:49:42,930
saying that they didn't listen to the

1228
00:49:40,739 --> 00:49:45,539
show because they couldn't listen to

1229
00:49:42,929 --> 00:49:49,169
those people at the paranormal

1230
00:49:45,539 --> 00:49:51,329
convention talking to Maynard well you

1231
00:49:49,170 --> 00:49:54,360
know what every once or twice every year

1232
00:49:51,329 --> 00:49:56,699
I'm going to probably run interviews

1233
00:49:54,360 --> 00:49:59,400
with believers so to speak people with a

1234
00:49:56,699 --> 00:50:02,159
completely different outlook people who

1235
00:49:59,400 --> 00:50:04,829
really do think UFOs or aliens visiting

1236
00:50:02,159 --> 00:50:08,579
us and conspiracies are real or crystals

1237
00:50:04,829 --> 00:50:10,710
can actually have power or no end of

1238
00:50:08,579 --> 00:50:13,170
nonsense because it's important that we

1239
00:50:10,710 --> 00:50:15,630
from time to time we hear what these

1240
00:50:13,170 --> 00:50:17,190

people have to say I've always taken

1241

00:50:15,630 --> 00:50:20,789

that approach and that's why I go to

1242

00:50:17,190 --> 00:50:24,240

mind body wallet and other Expos two

1243

00:50:20,789 --> 00:50:25,829

three four times a year to talk to these

1244

00:50:24,239 --> 00:50:28,289

people hear what they have to say and it

1245

00:50:25,829 --> 00:50:30,329

puts me in a much better position for

1246

00:50:28,289 --> 00:50:34,429

example many years ago I just assumed

1247

00:50:30,329 --> 00:50:39,360

that a lot of these people were lying

1248

00:50:34,429 --> 00:50:44,069

frauds fakes con artists out for a quick

1249

00:50:39,360 --> 00:50:46,410

buck but of course now I don't think

1250

00:50:44,070 --> 00:50:48,780

that at all I think some tiny percentage

1251

00:50:46,409 --> 00:50:52,019

are but most of the ones I've certainly

1252

00:50:48,780 --> 00:50:53,700

talked with and met our sincere and

1253

00:50:52,019 --> 00:50:56,789

genuine and they really do believe that

1254

00:50:53,699 --> 00:50:59,639

crystals have magical powers and you can

1255
00:50:56,789 --> 00:51:02,429
determine someone's fate by looking at

1256
00:50:59,639 --> 00:51:05,190
their handwriting or or as a real and

1257
00:51:02,429 --> 00:51:07,079
and on and on it goes but it's important

1258
00:51:05,190 --> 00:51:09,150
to know this thank you to those people

1259
00:51:07,079 --> 00:51:11,670
who recently have come on board with

1260
00:51:09,150 --> 00:51:13,260
patreon now as I've mentioned over the

1261
00:51:11,670 --> 00:51:15,030
last few months on the sceptic Zone the

1262
00:51:13,260 --> 00:51:17,190
Australian dollar is going down the

1263
00:51:15,030 --> 00:51:19,080
gurgler glug glug glug glug which means

1264
00:51:17,190 --> 00:51:21,900
any contribution you make in u.s.

1265
00:51:19,079 --> 00:51:24,420
dollars and patreon and there's a link

1266
00:51:21,900 --> 00:51:28,500
at skeptics on TV goes a lot further

1267
00:51:24,420 --> 00:51:31,409
here and I appreciate any contribution

1268
00:51:28,500 --> 00:51:35,510
some people even chip in a dollar a

1269
00:51:31,409 --> 00:51:38,118
month which adds up it really does

1270
00:51:35,510 --> 00:51:40,849
many people have decided to chip in five

1271
00:51:38,119 --> 00:51:44,240
or ten dollars a month and I thank you

1272
00:51:40,849 --> 00:51:46,369
very very much indeed it's money that

1273
00:51:44,239 --> 00:51:48,469
you won't miss ten dollars a month is

1274
00:51:46,369 --> 00:51:50,240
something that you'd scarcely notice but

1275
00:51:48,469 --> 00:51:53,838
it certainly adds up here at the skeptic

1276
00:51:50,239 --> 00:51:56,509
zone and congratulations to Maynard over

1277
00:51:53,838 --> 00:51:56,828
at planet Maynard over at Maynard comte

1278
00:51:56,510 --> 00:51:59,329
you

1279
00:51:56,829 --> 00:52:03,048
he and him Ferguson have just released

1280
00:51:59,329 --> 00:52:04,490
episode 50 of their podcast bunga bunga

1281
00:52:03,048 --> 00:52:06,619
do you feel like something completely

1282
00:52:04,489 --> 00:52:09,858
different of the skeptic zone head over

1283

00:52:06,619 --> 00:52:14,180
to Maynard comm dot a you and also I

1284
00:52:09,858 --> 00:52:17,719
hear that the 2019 Maynard calendar is

1285
00:52:14,179 --> 00:52:19,368
on its way coming up on next week's show

1286
00:52:17,719 --> 00:52:22,159
more from skeptic on including an

1287
00:52:19,369 --> 00:52:24,528
interview with Kate Brown who was our MC

1288
00:52:22,159 --> 00:52:27,618
she's going to be talking about consumer

1289
00:52:24,528 --> 00:52:30,260
activism and other things including the

1290
00:52:27,619 --> 00:52:32,028
pink tax but for this week

1291
00:52:30,260 --> 00:52:38,990
this is Richard Saunders signing off

1292
00:52:32,028 --> 00:52:41,059
from Sydney Australia you've been

1293
00:52:38,989 --> 00:52:46,518
listening to the skeptic zone podcast

1294
00:52:41,059 --> 00:52:49,789
please visit our website at WWE TV for

1295
00:52:46,518 --> 00:52:53,288
shownotes contacts and to access the bat

1296
00:52:49,789 --> 00:52:55,970
catalog of episodes going back to 2008

1297
00:52:53,289 --> 00:52:59,269

you can follow the skeptic zone podcast

1298

00:52:55,969 --> 00:53:01,548

on twitter at skeptic zone visit our

1299

00:52:59,268 --> 00:53:02,409

facebook page or leave a review on

1300

00:53:01,548 --> 00:53:05,119

itunes

1301

00:53:02,409 --> 00:53:08,480

you can also support the skeptic zone

1302

00:53:05,119 --> 00:53:11,200

via patreon or PayPal the skeptic zone

1303

00:53:08,480 --> 00:53:13,579

podcast is an independent production

1304

00:53:11,199 --> 00:53:15,739

reviews and opinions expressed on the

1305

00:53:13,579 --> 00:53:18,079

skeptic zone and not necessarily those

1306

00:53:15,739 --> 00:53:19,859

of Australian skeptics or any other

1307

00:53:18,079 --> 00:53:26,169

skeptical organisation

1308

00:53:19,860 --> 00:53:26,169

[Music]

1309

00:53:31,150 --> 00:53:39,260

okay what's that noise okay I'm ending

1310

00:53:37,400 --> 00:53:44,840

it now we just wait here comes a cat

1311

00:53:39,260 --> 00:53:46,970

it's not it's the end of this show it's

1312
00:53:44,840 --> 00:53:48,530
okay that is the end of the show Susan

1313
00:53:46,969 --> 00:53:50,750
go Bex joining me here folks at the end

1314
00:53:48,530 --> 00:53:52,280
of the show with her cat another

1315
00:53:50,750 --> 00:53:54,050
skeptical cat on the other side of the

1316
00:53:52,280 --> 00:53:56,019
planet

1317
00:53:54,050 --> 00:53:58,720
oh good heavens

1318
00:53:56,019 --> 00:54:01,340
does that cat want dinner or something

1319
00:53:58,719 --> 00:54:03,889
he just wants attention attention

1320
00:54:01,340 --> 00:54:05,900
anyway Susan before me I have a ten

1321
00:54:03,889 --> 00:54:07,789
sided die folks at home and Susan over

1322
00:54:05,900 --> 00:54:09,500
there in California let's play along in

1323
00:54:07,789 --> 00:54:12,320
a moment I'm going to roll it so use

1324
00:54:09,500 --> 00:54:14,929
your use your mystical energies your

1325
00:54:12,320 --> 00:54:18,800
psychic prediction powers Susan what

1326
00:54:14,929 --> 00:54:21,159
number do you see coming up five okay

1327
00:54:18,800 --> 00:54:21,160
here we go

1328
00:54:21,400 --> 00:54:28,190
seven hmm let's try it again

1329
00:54:25,909 --> 00:54:32,799
use your prediction power everybody and

1330
00:54:28,190 --> 00:54:34,940
Susan what do you see five all right

1331
00:54:32,800 --> 00:54:39,140
don't fell off the table he always does

1332
00:54:34,940 --> 00:54:42,619
that all right folks this is not a setup

1333
00:54:39,139 --> 00:54:44,809
it's five yeah I should video this just

1334
00:54:42,619 --> 00:54:47,380
so everybody can see this is absolutely

1335
00:54:44,809 --> 00:54:51,199
honest this is not a setup seven five

1336
00:54:47,380 --> 00:54:53,000
okay Susan one more number I think it's

1337
00:54:51,199 --> 00:54:55,219
gonna be five again I think and I'll

1338
00:54:53,000 --> 00:55:00,670
give it a good rattle here we go

1339
00:54:55,219 --> 00:55:04,609
and the last number is one so folks

1340

00:55:00,670 --> 00:55:07,130
seven five and one and Susan got one out

1341
00:55:04,610 --> 00:55:08,660
of three well that's pretty good that's

1342
00:55:07,130 --> 00:55:11,110
better than I usually do in there I'm

1343
00:55:08,659 --> 00:55:11,109
listening