

Show 526

THE
**SKEPTIC
ZONE**
PODCAST

18 Nov 2018

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Skepticon 2018 - Part #4

NICK KAY



The Skeptic Zone Podcast
Show 526 - 18 November 2018



Susan Gerbic
FC update

Skepticon 2018 with
Mayand
Nick Kay
Peter Rodgers

Life is Wild!
With Michelle Franklin



1
00:00:11,910 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:13,930 --> 00:00:11,920
from Australia for science and reason

3
00:00:25,140 --> 00:00:13,940
[Music]

4
00:00:27,300 --> 00:00:25,150
yes it's the skeptics own podcast

5
00:00:30,000 --> 00:00:27,310
episode number 526

6
00:00:31,770 --> 00:00:30,010
for the 18th of November 2018

7
00:00:33,750 --> 00:00:31,780
richardsaunders here with you from

8
00:00:35,220 --> 00:00:33,760
Sydney Australia Sydney Australia

9
00:00:36,900 --> 00:00:35,230
doesn't know what to think about this

10
00:00:38,600 --> 00:00:36,910
time of the year some days it's cold

11
00:00:41,430 --> 00:00:38,610
some days it's hot

12
00:00:43,470 --> 00:00:41,440
sometimes it's raining sometimes it's

13
00:00:45,960 --> 00:00:43,480

not it sounds like a dr. Seuss book

14

00:00:48,090 --> 00:00:45,970

doesn't it coming up on this week's show

15

00:00:51,270 --> 00:00:48,100

I catch up with susan gerbic from

16

00:00:53,820 --> 00:00:51,280

guerrilla skepticism on wikipedia and a

17

00:00:55,500 --> 00:00:53,830

success story one of the things that the

18

00:00:57,329 --> 00:00:55,510

guerrilla skepticism people have been

19

00:01:01,110 --> 00:00:57,339

chasing and a story I've been keeping an

20

00:01:06,380 --> 00:01:01,120

eye on for a while is this facilitated

21

00:01:11,580 --> 00:01:06,390

communication and the universities that

22

00:01:13,890 --> 00:01:11,590

still push this outdated idea susan will

23

00:01:17,790 --> 00:01:13,900

bring us up to date on this story and as

24

00:01:20,250 --> 00:01:17,800

i said it's it's a tale of success good

25

00:01:22,710 --> 00:01:20,260

skeptical activism following that it's

26

00:01:25,800 --> 00:01:22,720

more from skeptical australia skeptic on

27

00:01:28,950 --> 00:01:25,810

2018 here in sydney about three weeks

28

00:01:30,750 --> 00:01:28,960

ago maynard chats to some magicians any

29

00:01:32,970 --> 00:01:30,760

magicians out there listening to this

30

00:01:37,140 --> 00:01:32,980

show or if you know any magicians they

31

00:01:39,600 --> 00:01:37,150

may find this very interesting indeed we

32

00:01:43,020 --> 00:01:39,610

had a wonderful entertainer come up from

33

00:01:45,180 --> 00:01:43,030

melbourne to do magic at the convention

34

00:01:47,070 --> 00:01:45,190

dinner skeptic on dinner which knocked

35

00:01:48,540 --> 00:01:47,080

everybody socks off in fact maybe that

36

00:01:50,850 --> 00:01:48,550

was one of his tricks knocking people's

37

00:01:52,440 --> 00:01:50,860

socks off I don't know he did some

38

00:01:56,130 --> 00:01:52,450

wonderful card routines and other

39

00:01:58,320 --> 00:01:56,140

routines and his name is Nick Kay may

40

00:02:01,920 --> 00:01:58,330

not also chats to magician Peter Rogers

41

00:02:04,710 --> 00:02:01,930

Peter Rogers is a longtime member of the

42

00:02:07,350 --> 00:02:04,720

Australian skeptics here in Sydney

43

00:02:09,960 --> 00:02:07,360

he was the resident magician on the

44

00:02:12,240 --> 00:02:09,970

committee for many many many years he

45

00:02:14,910 --> 00:02:12,250

still is part of the broader

46

00:02:17,309 --> 00:02:14,920

organization and if we ever have any

47

00:02:20,369 --> 00:02:17,319

queries to do with magic he's the man we

48

00:02:22,500 --> 00:02:20,379

turn to magicians and skepticism have a

49

00:02:25,110 --> 00:02:22,510

long association of course we think of

50

00:02:27,630 --> 00:02:25,120

James Randi especially in the early days

51
00:02:30,920 --> 00:02:27,640
it was the magicians who could see some

52
00:02:33,270 --> 00:02:30,930
of the tricks of the so-called psychics

53
00:02:36,030 --> 00:02:33,280
like

54
00:02:39,690 --> 00:02:36,040
design duplication as its called where

55
00:02:42,240 --> 00:02:39,700
somebody draws a secret drawing seals it

56
00:02:47,040 --> 00:02:42,250
in an envelope but the so-called psychic

57
00:02:48,960 --> 00:02:47,050
can still magically magically determine

58
00:02:51,270 --> 00:02:48,970
what's in the envelope and re-create the

59
00:02:54,300 --> 00:02:51,280
drawing Peeta is also a history buff

60
00:02:56,309 --> 00:02:54,310
when it comes to magic especially magic

61
00:02:58,740 --> 00:02:56,319
in Australia and I learned a lot from

62
00:03:01,590 --> 00:02:58,750
this interview and I hope you will too

63
00:03:03,840 --> 00:03:01,600

Nick Kay and Peter Rogers the magician's

64

00:03:05,400 --> 00:03:03,850

coming up a little later on with Maynard

65

00:03:07,470 --> 00:03:05,410

then to round off the show we've got

66

00:03:09,390 --> 00:03:07,480

Michelle Franklin now relatively new

67

00:03:12,240 --> 00:03:09,400

reporter from Darwin she's going to be

68

00:03:14,670 --> 00:03:12,250

talking about biocontrol misses where

69

00:03:17,190 --> 00:03:14,680

the science comes into the skeptic zone

70

00:03:18,750 --> 00:03:17,200

when we talk about the yeah the podcast

71

00:03:20,699 --> 00:03:18,760

for science and reason this is the

72

00:03:25,650 --> 00:03:20,709

science part biocontrol

73

00:03:28,860 --> 00:03:25,660

and cane toads and when I was young I

74

00:03:30,720 --> 00:03:28,870

lived up near where Heidi Roberts in the

75

00:03:33,690 --> 00:03:30,730

raw skeptic lives up in the north coast

76
00:03:38,039 --> 00:03:33,700
area of New South Wales and cane toads

77
00:03:40,350 --> 00:03:38,049
were everywhere so I think was it

78
00:03:44,250 --> 00:03:40,360
especially during the summer months

79
00:03:46,170 --> 00:03:44,260
big ugly toads that are an introduced

80
00:03:49,500 --> 00:03:46,180
species well Michelle's going to be

81
00:03:51,240 --> 00:03:49,510
talking about that in general biocontrol

82
00:03:53,759 --> 00:03:51,250
and Michelle would like you to know that

83
00:03:55,979 --> 00:03:53,769
her report today is a summary of the

84
00:03:58,080 --> 00:03:55,989
presentations she gave at skeptic camp

85
00:04:01,199 --> 00:03:58,090
in fact it was a skeptic camp in

86
00:04:04,680 --> 00:04:01,209
Brisbane in 2016 what a wonderful thing

87
00:04:08,729 --> 00:04:04,690
skeptic camp is sadly we didn't have one

88
00:04:10,830 --> 00:04:08,739

in Sydney this year maybe we should put

89

00:04:14,039 --> 00:04:10,840

our socks on but were blown off by the

90

00:04:17,810 --> 00:04:14,049

magician's earlier and get to organizing

91

00:04:21,000 --> 00:04:17,820

a skeptic camp in Sydney for 2019 I've

92

00:04:23,219 --> 00:04:21,010

learned a lot of interesting things by

93

00:04:25,680 --> 00:04:23,229

going to skeptic camps over the years

94

00:04:28,469 --> 00:04:25,690

especially here in Sydney and I noticed

95

00:04:30,690 --> 00:04:28,479

there around the world and in fact I'll

96

00:04:33,029 --> 00:04:30,700

link to skeptic camp in this week's show

97

00:04:34,860 --> 00:04:33,039

notes under the under the segment here

98

00:04:36,270 --> 00:04:34,870

for Michelle Franklin a few more

99

00:04:37,920 --> 00:04:36,280

announcements from me at the end of the

100

00:04:41,100 --> 00:04:37,930

show but now it's time for me to run

101
00:04:42,659 --> 00:04:41,110
downstairs and since it's such a nice

102
00:04:46,040 --> 00:04:42,669
day I'm going to have some champagne

103
00:04:49,760 --> 00:04:46,050
white chocolate and a little bit of

104
00:04:52,189 --> 00:04:49,770
cheese with the chili ghost pepper

105
00:04:53,780 --> 00:04:52,199
cheese mmm while I do that I hope you

106
00:05:01,640 --> 00:04:53,790
enjoy the skeptic zone

107
00:05:04,520 --> 00:05:01,650
[Music]

108
00:05:13,609 --> 00:05:04,530
[Applause]

109
00:05:19,379 --> 00:05:17,129
and joining me now all the way from

110
00:05:21,749 --> 00:05:19,389
Salinas California as she does from time

111
00:05:23,839 --> 00:05:21,759
to time on the skeptic zone its susan

112
00:05:26,039 --> 00:05:23,849
gerbic from guerrilla skepticism on

113
00:05:28,799 --> 00:05:26,049

wikipedia hello Susan

114

00:05:31,559 --> 00:05:28,809

hello Richard hello all you wonderful

115

00:05:33,509 --> 00:05:31,569

listeners out there oh I'm sure the

116

00:05:36,719 --> 00:05:33,519

listeners like being called wonderful I

117

00:05:39,479 --> 00:05:36,729

think that wonders are great great now

118

00:05:42,029 --> 00:05:39,489

Susan a couple of weeks months ago I

119

00:05:45,119 --> 00:05:42,039

haven't got the exact date on my

120

00:05:48,289 --> 00:05:45,129

fingertips here we spoke about a very

121

00:05:50,699 --> 00:05:48,299

concerning issue which is known as

122

00:05:53,789 --> 00:05:50,709

facilitated communication can you give

123

00:05:56,189 --> 00:05:53,799

our audience a quick update to what that

124

00:06:00,119 --> 00:05:56,199

means exactly facilitated communication

125

00:06:03,839 --> 00:06:00,129

is an outdated pseudoscience tactic used

126

00:06:08,519 --> 00:06:03,849

in to communicate with people who are

127

00:06:10,799 --> 00:06:08,529

non communicative people who have been

128

00:06:13,529 --> 00:06:10,809

unable to communicate for whatever

129

00:06:16,019 --> 00:06:13,539

reason there's somebody come comes along

130

00:06:18,509 --> 00:06:16,029

called the facilitator who will guide

131

00:06:20,519 --> 00:06:18,519

their hand over a board of letters for

132

00:06:21,600 --> 00:06:20,529

example or study their eyes and say

133

00:06:23,819 --> 00:06:21,610

they're looking at this letter and

134

00:06:26,519 --> 00:06:23,829

looking at that letter and seem to

135

00:06:29,579 --> 00:06:26,529

interpret what the the person is trying

136

00:06:31,559 --> 00:06:29,589

to say absolutely it's the Ouija board

137

00:06:35,639 --> 00:06:31,569

effect and some people will call it the

138

00:06:38,339 --> 00:06:35,649

clever Hans method and other people say

139

00:06:41,129 --> 00:06:38,349

it's like swinging a pendulum in some

140

00:06:43,619 --> 00:06:41,139

cases these people are not communicating

141

00:06:45,479 --> 00:06:43,629

they are the facilitator is actually the

142

00:06:47,909 --> 00:06:45,489

person who's looking at the keyboard or

143

00:06:50,819 --> 00:06:47,919

the letter board and interpreting what

144

00:06:52,379 --> 00:06:50,829

is being said it's it does not work and

145

00:06:54,179 --> 00:06:52,389

there's a huge description on the

146

00:06:55,829 --> 00:06:54,189

Wikipedia page for facilitated

147

00:06:57,929 --> 00:06:55,839

communication if anybody really wants

148

00:07:01,109 --> 00:06:57,939

more details we have case studies on

149

00:07:03,389 --> 00:07:01,119

there as well why it appears to work and

150

00:07:05,789 --> 00:07:03,399

it doesn't well it's a pseudoscience

151
00:07:09,719 --> 00:07:05,799
that was discredited over 30 years ago

152
00:07:12,119 --> 00:07:09,729
and many universities in the United

153
00:07:13,499 --> 00:07:12,129
States continue to support it by

154
00:07:17,490 --> 00:07:13,509
teaching classes

155
00:07:20,820 --> 00:07:17,500
allowing workshops having some of the

156
00:07:23,399 --> 00:07:20,830
faculty run classes and give credit to

157
00:07:26,610 --> 00:07:23,409
the students for taking the classes so

158
00:07:30,170 --> 00:07:26,620
about April of this year I formed a

159
00:07:32,670 --> 00:07:30,180
group with some very amazing people who

160
00:07:35,040 --> 00:07:32,680
decided that we were done with that

161
00:07:37,140 --> 00:07:35,050
it's a low-hanging fruit it's been

162
00:07:39,839 --> 00:07:37,150
discredited years ago we need to hold

163
00:07:42,689 --> 00:07:39,849

these universities responsible and so

164

00:07:45,420 --> 00:07:42,699

what we did is we created a very very

165

00:07:49,350 --> 00:07:45,430

well-written professional letter with

166

00:07:52,409 --> 00:07:49,360

over 30 professionals most of with PhDs

167

00:07:55,589 --> 00:07:52,419

after their name who are in the medical

168

00:07:58,499 --> 00:07:55,599

field the education field autism

169

00:08:00,779 --> 00:07:58,509

communication many from Australia

170

00:08:03,270 --> 00:08:00,789

actually mm-hmm now at this very

171

00:08:06,680 --> 00:08:03,280

professional letter to the University of

172

00:08:09,869 --> 00:08:06,690

Northern Iowa which had a workshop that

173

00:08:13,709 --> 00:08:09,879

it was going to be running a month or so

174

00:08:15,930 --> 00:08:13,719

later in United States so we sent the

175

00:08:18,659 --> 00:08:15,940

letter to them they wrote us back saying

176

00:08:20,580 --> 00:08:18,669

that's nice and they proceeded with

177

00:08:22,200 --> 00:08:20,590

their conference and they said that they

178

00:08:26,249 --> 00:08:22,210

were going to have another conference in

179

00:08:29,760 --> 00:08:26,259

2019 and it was their fifth one they ran

180

00:08:31,769 --> 00:08:29,770

so we called in the media we've got the

181

00:08:33,690 --> 00:08:31,779

media involved especially local media

182

00:08:37,649 --> 00:08:33,700

plus many people in the skeptic

183

00:08:41,190 --> 00:08:37,659

community wrote and tweeted to the

184

00:08:43,620 --> 00:08:41,200

University and we were relentless there

185

00:08:45,990 --> 00:08:43,630

because there was many newspaper

186

00:08:49,010 --> 00:08:46,000

articles well not newspaper but you know

187

00:08:51,120 --> 00:08:49,020

media articles printed about the

188

00:08:53,310 --> 00:08:51,130

university supporting facilitated

189

00:08:55,560 --> 00:08:53,320

communication their Wikipedia page it

190

00:08:56,970 --> 00:08:55,570

was obviously had to be changed to say

191

00:08:59,939 --> 00:08:56,980

that they supported facilitated

192

00:09:01,560 --> 00:08:59,949

communication and after a while they

193

00:09:04,230 --> 00:09:01,570

finally relented and said we're not

194

00:09:07,590 --> 00:09:04,240

going to have facilitated communication

195

00:09:10,310 --> 00:09:07,600

at their university anymore and we have

196

00:09:15,810 --> 00:09:10,320

since moved on to other universities and

197

00:09:18,180 --> 00:09:15,820

just today we had a reporter went to

198

00:09:20,400 --> 00:09:18,190

talk to the University of Northern Iowa

199

00:09:22,260 --> 00:09:20,410

and said what's going on over there and

200

00:09:23,760 --> 00:09:22,270

they said we and they officially

201
00:09:26,670 --> 00:09:23,770
announced that they will no longer be

202
00:09:30,930 --> 00:09:26,680
supporting facilitated communication and

203
00:09:33,150 --> 00:09:30,940
basically they said leave us alone you

204
00:09:36,180 --> 00:09:33,160
know just don't bother us anymore we're

205
00:09:39,630 --> 00:09:36,190
like okay thank you so much we did ask

206
00:09:41,639 --> 00:09:39,640
them if they had because we know they

207
00:09:44,790 --> 00:09:41,649
still have some faculty on staff but do

208
00:09:48,210 --> 00:09:44,800
teach facilitated communication and we

209
00:09:50,730 --> 00:09:48,220
asked them through the reporter and they

210
00:09:52,199 --> 00:09:50,740
said that they they aren't supporting it

211
00:09:53,070 --> 00:09:52,209
so we're going to keep an eye on this

212
00:09:56,400 --> 00:09:53,080
University

213
00:09:59,340 --> 00:09:56,410

and we're going to go ahead and go after

214

00:10:01,860 --> 00:09:59,350

other universities and use the same

215

00:10:05,150 --> 00:10:01,870

formula of asking them politely giving

216

00:10:08,430 --> 00:10:05,160

them a very professionally worded letter

217

00:10:10,560 --> 00:10:08,440

of intent thing that you know this is a

218

00:10:14,910 --> 00:10:10,570

discredit to practice we the undersigned

219

00:10:16,410 --> 00:10:14,920

all thirty or so people who are experts

220

00:10:20,670 --> 00:10:16,420

in this field say that this is not a

221

00:10:22,949 --> 00:10:20,680

good idea to do and if they don't in

222

00:10:25,170 --> 00:10:22,959

their practice then we will go to the

223

00:10:28,460 --> 00:10:25,180

local media and then the bigger media

224

00:10:30,750 --> 00:10:28,470

and and pretty much shame them into

225

00:10:33,060 --> 00:10:30,760

ending the practice with facilitated

226

00:10:35,070 --> 00:10:33,070

communication the article that just came

227

00:10:36,630 --> 00:10:35,080

out today is going to be able to be

228

00:10:39,120 --> 00:10:36,640

something that we could use to other

229

00:10:41,760 --> 00:10:39,130

universities you know as a way of saying

230

00:10:42,570 --> 00:10:41,770

look University of Northern Iowa into

231

00:10:45,630 --> 00:10:42,580

their practice

232

00:10:49,620 --> 00:10:45,640

why don't you because I think that will

233

00:10:54,449 --> 00:10:49,630

be helpful because the University of

234

00:10:56,730 --> 00:10:54,459

Northern Iowa has ended it and if nobody

235

00:10:59,970 --> 00:10:56,740

really wants to be the last University

236

00:11:02,670 --> 00:10:59,980

out there still practicing pseudoscience

237

00:11:05,490 --> 00:11:02,680

so this is would you say this is another

238

00:11:08,100 --> 00:11:05,500

example of guerrilla skepticism at work

239

00:11:10,470 --> 00:11:08,110

or is it broader than this it is

240

00:11:15,920 --> 00:11:10,480

guerrilla skepticism because it is

241

00:11:19,590 --> 00:11:15,930

taking the average person's passion to

242

00:11:21,630 --> 00:11:19,600

focus on one specific problem in the

243

00:11:23,639 --> 00:11:21,640

world absolutely we're not going to be

244

00:11:26,699 --> 00:11:23,649

able to stop all pseudoscience and all

245

00:11:27,870 --> 00:11:26,709

universities with this one tactic but

246

00:11:33,240 --> 00:11:27,880

what we're trying to do is we're trying

247

00:11:36,690 --> 00:11:33,250

to show people how to narrowly pick one

248

00:11:38,760 --> 00:11:36,700

area and focus on it and end it and then

249

00:11:40,560 --> 00:11:38,770

from there take what you've learned and

250

00:11:43,110 --> 00:11:40,570

then move to the next

251
00:11:46,380 --> 00:11:43,120
pseudoscience or the next university or

252
00:11:48,600 --> 00:11:46,390
the next project I think that people

253
00:11:51,810 --> 00:11:48,610
these things work best when we're narrow

254
00:11:54,410 --> 00:11:51,820
clearly define goals with very small

255
00:11:57,180 --> 00:11:54,420
groups of people working on it as well

256
00:12:01,440 --> 00:11:57,190
we find that this has been very

257
00:12:06,660 --> 00:12:01,450
successful in a guerrilla way Justin

258
00:12:09,380 --> 00:12:06,670
that were small batches of targeted

259
00:12:13,380 --> 00:12:09,390
attacks that sounds very aggressive but

260
00:12:14,910 --> 00:12:13,390
yeah it shouldn't be aggressive now I

261
00:12:17,340 --> 00:12:14,920
think I think I know what you mean it's

262
00:12:20,250 --> 00:12:17,350
it's a concentrated effort it's people

263
00:12:21,900 --> 00:12:20,260

focusing on the topic at hand and

264

00:12:24,930 --> 00:12:21,910

getting the job done which i think is

265

00:12:26,280 --> 00:12:24,940

terrific and by the way I guess it's

266

00:12:29,190 --> 00:12:26,290

time for a little update how is

267

00:12:32,070 --> 00:12:29,200

guerrilla skepticism doing generally oh

268

00:12:34,680 --> 00:12:32,080

my gosh we've added quite a few new

269

00:12:36,930 --> 00:12:34,690

editors after saikhan this year we were

270

00:12:41,400 --> 00:12:36,940

also at the Australian Conference as

271

00:12:43,020 --> 00:12:41,410

well as it was a fabulous time we have

272

00:12:46,410 --> 00:12:43,030

just added our seven hundred and

273

00:12:48,210 --> 00:12:46,420

twentieth Wikipedia page and we we've

274

00:12:51,690 --> 00:12:48,220

just hit thirty three point seven

275

00:12:53,370 --> 00:12:51,700

million page views Wow there are quite

276

00:12:56,250 --> 00:12:53,380

quite a difference we're really we're

277

00:12:58,170 --> 00:12:56,260

making a difference a little at a time

278

00:12:59,880 --> 00:12:58,180

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

279

00:13:02,700 --> 00:12:59,890

to completely rewrite Wikipedia right

280

00:13:04,950 --> 00:13:02,710

away and get fantastic information on

281

00:13:07,790 --> 00:13:04,960

everything on every paranormal topic

282

00:13:10,500 --> 00:13:07,800

everywhere it's a it's an astronomical

283

00:13:14,670 --> 00:13:10,510

project plus the fact we're trying to do

284

00:13:16,380 --> 00:13:14,680

it in all languages but it's satisfying

285

00:13:19,740 --> 00:13:16,390

knowing that we're fighting back we're

286

00:13:21,450 --> 00:13:19,750

trying and just one page at a time we're

287

00:13:23,850 --> 00:13:21,460

working our way through it instead of

288

00:13:26,700 --> 00:13:23,860

saying it's insurmountable it can't be

289

00:13:28,740 --> 00:13:26,710

done we're saying yes this is a crazy

290

00:13:31,320 --> 00:13:28,750

idea to rewrite Wikipedia pages

291

00:13:33,870 --> 00:13:31,330

concerning science and pseudoscience but

292

00:13:36,330 --> 00:13:33,880

let's just get started one of the

293

00:13:38,850 --> 00:13:36,340

benefits of writing this letter to these

294

00:13:42,420 --> 00:13:38,860

universities in the way we have with the

295

00:13:45,810 --> 00:13:42,430

expert sighted on the the letter along

296

00:13:47,670 --> 00:13:45,820

with information on where the university

297

00:13:49,710 --> 00:13:47,680

can get better information if they need

298

00:13:53,220 --> 00:13:49,720

it is that we've we've put the

299

00:13:54,720 --> 00:13:53,230

universities on notice once they

300

00:13:58,069 --> 00:13:54,730

acknowledge receipt

301
00:14:01,920 --> 00:13:58,079
of our letter then in the future if

302
00:14:04,980 --> 00:14:01,930
anyone tries to sue the University for

303
00:14:07,590 --> 00:14:04,990
you know miss practices because of

304
00:14:10,500 --> 00:14:07,600
facilitated communication well they're

305
00:14:13,139 --> 00:14:10,510
liable because they now have officially

306
00:14:17,639 --> 00:14:13,149
been told that facilitated communication

307
00:14:20,519 --> 00:14:17,649
is harmful it is pseudoscience so if a

308
00:14:24,090 --> 00:14:20,529
lawyer is interested or a family is

309
00:14:26,430 --> 00:14:24,100
trying to sue the universities they can

310
00:14:28,829 --> 00:14:26,440
well susan gerbic once again thank you

311
00:14:31,590 --> 00:14:28,839
very much for the update it's good to

312
00:14:34,199 --> 00:14:31,600
know that this facilitated communication

313
00:14:35,519 --> 00:14:34,209

may be on the wane actually it's been

314

00:14:37,110 --> 00:14:35,529

around for far too long

315

00:14:38,850 --> 00:14:37,120

I remember hearing about it years and

316

00:14:41,730 --> 00:14:38,860

years and years ago and it's always been

317

00:14:44,129 --> 00:14:41,740

regarded with great suspicion so all

318

00:14:46,079 --> 00:14:44,139

power to you at guerrilla skepticism and

319

00:14:46,970 --> 00:14:46,089

if people want to find out more where

320

00:14:49,620 --> 00:14:46,980

can they go

321

00:14:51,300 --> 00:14:49,630

Facebook is the best place to find all

322

00:14:53,780 --> 00:14:51,310

the information just follow me on

323

00:14:56,040 --> 00:14:53,790

Facebook and we will update as needed

324

00:14:57,960 --> 00:14:56,050

alright there you are folks there's the

325

00:14:59,579 --> 00:14:57,970

clue Facebook I'll add a link in this

326

00:15:01,259 --> 00:14:59,589

week's show notes well another

327

00:15:03,240 --> 00:15:01,269

interesting story there folks from

328

00:15:05,100 --> 00:15:03,250

guerrilla skepticism on Wikipedia and

329

00:15:07,470 --> 00:15:05,110

susan gerbic all the way over there in

330

00:15:09,510 --> 00:15:07,480

Salinas California thank you very much

331

00:15:25,160 --> 00:15:09,520

thank you Richard

332

00:15:30,570 --> 00:15:27,870

Time Traveller's cursed paintings

333

00:15:32,940 --> 00:15:30,580

ghostly apparitions mysterious creatures

334

00:15:35,580 --> 00:15:32,950

the world is filled with incredible and

335

00:15:37,620 --> 00:15:35,590

seemingly inexplicable stories but often

336

00:15:39,840 --> 00:15:37,630

things are not what they seem

337

00:15:42,210 --> 00:15:39,850

if you are like me and you too want to

338

00:15:44,520 --> 00:15:42,220

learn how to discern fact from fiction I

339

00:15:47,820 --> 00:15:44,530

invite you to join me every two weeks on

340

00:15:49,800 --> 00:15:47,830

my youtube channel i am massimo Polydor

341

00:15:52,440 --> 00:15:49,810

oh and we'll investigate together and

342

00:15:58,800 --> 00:15:52,450

discover the truth behind many stranger

343

00:16:01,430 --> 00:15:58,810

stories to join massimo Polidoro every

344

00:16:10,830 --> 00:16:01,440

two weeks into youtube and look for

345

00:16:15,840 --> 00:16:10,840

stranger stories here's main our spooky

346

00:16:21,250 --> 00:16:18,790

well I'll just chat to our magician who

347

00:16:23,920 --> 00:16:21,260

is our actor knowledge and I'm sir mr.

348

00:16:25,150 --> 00:16:23,930

Nick Kay Hey now tell me what around

349

00:16:26,680 --> 00:16:25,160

Melbourne where would people see you

350

00:16:29,530 --> 00:16:26,690

performing normally well I perform

351

00:16:31,660 --> 00:16:29,540

regularly at holy moley which is a mini

352

00:16:32,920 --> 00:16:31,670

golf club mini golf uh nightclub

353

00:16:34,269 --> 00:16:32,930

actually yeah yeah you guys got a

354

00:16:36,490 --> 00:16:34,279

residency there recently and it's

355

00:16:38,140 --> 00:16:36,500

probably the most fun place you can come

356

00:16:40,000 --> 00:16:38,150

and see some magic if you'd be doing

357

00:16:41,590 --> 00:16:40,010

close-up stuff so is it cards in a bit

358

00:16:43,300 --> 00:16:41,600

of sleight of hand what do you do indeed

359

00:16:45,490 --> 00:16:43,310

close eye magic it to the highest order

360

00:16:46,780 --> 00:16:45,500

from mentalism to pickpocketing although

361

00:16:47,829 --> 00:16:46,790

I trying to announce there too often of

362

00:16:49,450 --> 00:16:47,839

us it just makes it harder to steal

363

00:16:51,130 --> 00:16:49,460

those watches but ultimately the

364

00:16:52,660 --> 00:16:51,140

close-up with coins cards anything I can

365

00:16:54,670 --> 00:16:52,670

borrow from people like rings phones

366

00:16:55,990 --> 00:16:54,680

because I'm always scared like when I'm

367

00:16:57,340 --> 00:16:56,000

around with the amazing Randi I'm always

368

00:16:58,870 --> 00:16:57,350

making checking my stuff in that because

369

00:17:00,670 --> 00:16:58,880

I know he can steal stuff if he wants to

370

00:17:02,260 --> 00:17:00,680

and I'm always scared magicians scare me

371

00:17:03,850 --> 00:17:02,270

because you've got talents beyond mortal

372

00:17:05,230 --> 00:17:03,860

people that's understandable and I try

373

00:17:07,090 --> 00:17:05,240

to debunk that and just say like and

374

00:17:08,590 --> 00:17:07,100

more importantly what I want to make

375

00:17:10,809 --> 00:17:08,600

sure that my audience has is a good time

376

00:17:12,970 --> 00:17:10,819

well I'm sure they will here actually

377

00:17:14,829 --> 00:17:12,980

what is your like Penn & Teller their

378

00:17:16,059 --> 00:17:14,839

ultimate act is the bullet catch that's

379

00:17:17,740 --> 00:17:16,069

the one they're known for have you got

380

00:17:19,240 --> 00:17:17,750

something at the equivalent of the

381

00:17:20,350 --> 00:17:19,250

bullet cap what's your big one that you

382

00:17:21,790 --> 00:17:20,360

would finish an act with if you had a

383

00:17:23,919 --> 00:17:21,800

proper stage show have you got something

384

00:17:27,100 --> 00:17:23,929

I have a few reputation makers well

385

00:17:28,930 --> 00:17:27,110

amongst the magic community I think my

386

00:17:31,840 --> 00:17:28,940

version of the invisible deck is quite

387

00:17:33,220 --> 00:17:31,850

popular yes and I also have a coin piece

388

00:17:34,419 --> 00:17:33,230

which I'm looking at some Midianites

389

00:17:35,919 --> 00:17:34,429

stay tight-lipped about this one because

390

00:17:38,230 --> 00:17:35,929

I do want to submit it to the good folks

391

00:17:40,210 --> 00:17:38,240

at fool us hoping that it might end up

392

00:17:41,890 --> 00:17:40,220

with me an opportunity to compete at for

393

00:17:43,780 --> 00:17:41,900

us in Las Vegas you should be on that

394

00:17:45,640 --> 00:17:43,790

show goes they love their close up now

395

00:17:47,140 --> 00:17:45,650

and it's it's a coin piece which is my

396

00:17:49,270 --> 00:17:47,150

favorite discipline of magic which I've

397

00:17:51,190 --> 00:17:49,280

shown to all of my heroes over the years

398

00:17:53,919 --> 00:17:51,200

the guy's the reason the very reason

399

00:17:55,780 --> 00:17:53,929

that I perform magic especially coin

400

00:17:57,910 --> 00:17:55,790

magic people like Erik Jones and and

401
00:17:59,440 --> 00:17:57,920
David Roth amazing guys and I've showed

402
00:18:01,930 --> 00:17:59,450
them this particular routine and they've

403
00:18:03,010 --> 00:18:01,940
gone I have no idea so I feel like

404
00:18:05,230 --> 00:18:03,020
that's in with a chance

405
00:18:08,020 --> 00:18:05,240
fingers crossed now chela when he was

406
00:18:09,490 --> 00:18:08,030
younger used to make a habit of palming

407
00:18:10,900 --> 00:18:09,500
everything when he was a young kid from

408
00:18:13,240 --> 00:18:10,910
his mum he'd like get their credit card

409
00:18:14,680 --> 00:18:13,250
and you carried around all day so the

410
00:18:15,730 --> 00:18:14,690
kind of level of dedication you need to

411
00:18:17,830 --> 00:18:15,740
be able to hide things well with

412
00:18:19,030 --> 00:18:17,840
close-up magic indeed it is I'll be

413
00:18:21,250 --> 00:18:19,040

the type of guy that will actually hold

414

00:18:22,510 --> 00:18:21,260

out in palm position or just in various

415

00:18:25,390 --> 00:18:22,520

hold outs in my hand I've actually

416

00:18:27,769 --> 00:18:25,400

shaken hands with people at events while

417

00:18:29,629 --> 00:18:27,779

having things secretly permed in my

418

00:18:31,219 --> 00:18:29,639

I'll take it to the extent where I'll be

419

00:18:32,779 --> 00:18:31,229

driving from one place to another trying

420

00:18:34,580 --> 00:18:32,789

to see if I can actually make it all day

421

00:18:34,999 --> 00:18:34,590

without anyone noticing something in my

422

00:18:37,310 --> 00:18:35,009

hand

423

00:18:39,229 --> 00:18:37,320

I get a busy same piece for example now

424

00:18:41,149 --> 00:18:39,239

we got the best piece of magic I had

425

00:18:44,029 --> 00:18:41,159

performed on me and with me was that was

426

00:18:46,219 --> 00:18:44,039

where the amazing Randi did the book

427

00:18:48,200 --> 00:18:46,229

trick upon me I we went to the book shop

428

00:18:49,759 --> 00:18:48,210

in Melbourne it was a in bigan books and

429

00:18:51,739 --> 00:18:49,769

did the hop pick a book on on the thing

430

00:18:53,539 --> 00:18:51,749

in Britain and he did that and like I

431

00:18:55,099 --> 00:18:53,549

know I could probably go online and read

432

00:18:57,049 --> 00:18:55,109

one of the many ways you can do the book

433

00:18:58,580 --> 00:18:57,059

trick but I don't want to I want to

434

00:19:00,409 --> 00:18:58,590

enjoy the fact that I had some magic

435

00:19:00,799 --> 00:19:00,419

performed on me and I've got no idea how

436

00:19:02,239 --> 00:19:00,809

he did it

437

00:19:04,009 --> 00:19:02,249

indeed it is and it's one of the things

438

00:19:05,269 --> 00:19:04,019

that when I do get the the skeptic types

439

00:19:07,070 --> 00:19:05,279

that you know that a kid they get

440

00:19:08,389 --> 00:19:07,080

frustrated that they don't know how it's

441

00:19:10,009 --> 00:19:08,399

done and I just try to reassure them

442

00:19:11,779 --> 00:19:10,019

listen if you knew how I was doing

443

00:19:13,459 --> 00:19:11,789

everything I would not be worth the

444

00:19:15,139 --> 00:19:13,469

money being spent for me to be here to

445

00:19:16,430 --> 00:19:15,149

entertain you and then they have in that

446

00:19:17,899 --> 00:19:16,440

moment that sort of go while you're

447

00:19:19,070 --> 00:19:17,909

right and in that moment they just

448

00:19:20,239 --> 00:19:19,080

willing to accept everything that sort

449

00:19:22,249 --> 00:19:20,249

of happens in front of them from then on

450

00:19:24,200 --> 00:19:22,259

in it works really well it's a very good

451
00:19:25,669 --> 00:19:24,210
explanation now Penn & Teller we

452
00:19:26,839 --> 00:19:25,679
mentioned the bullet catch what's your

453
00:19:28,430 --> 00:19:26,849
favorite trick of theirs

454
00:19:30,079 --> 00:19:28,440
since they're the sceptical magicians

455
00:19:31,999 --> 00:19:30,089
really wow that bullet catch is really

456
00:19:33,499 --> 00:19:32,009
something he's pretty special nice and I

457
00:19:35,419 --> 00:19:33,509
love how I think was Penn said look if

458
00:19:36,829 --> 00:19:35,429
you ask me how I did that and I told you

459
00:19:38,359 --> 00:19:36,839
once maybe that's the way it was done

460
00:19:39,859 --> 00:19:38,369
maybe it wasn't because I mean really

461
00:19:41,629 --> 00:19:39,869
there's a couple of ways they could have

462
00:19:43,249 --> 00:19:41,639
done it but none of them seemed safe but

463
00:19:45,229 --> 00:19:43,259

he said if you think we would really go

464

00:19:47,119 --> 00:19:45,239

on stage with a loaded gun yeah they

465

00:19:48,560 --> 00:19:47,129

wouldn't exactly what it's amazing in

466

00:19:51,769 --> 00:19:48,570

there I've tried to come up with many of

467

00:19:53,450 --> 00:19:51,779

versions myself for my own shows the

468

00:19:55,129 --> 00:19:53,460

legalities obviously in Australia now

469

00:19:57,139 --> 00:19:55,139

been a very very hindering and that sort

470

00:19:58,249 --> 00:19:57,149

of thing I came up with a method hoping

471

00:20:01,219 --> 00:19:58,259

that I could do one with a paintball gun

472

00:20:03,229 --> 00:20:01,229

oh yeah unfortunately that would incur a

473

00:20:05,570 --> 00:20:03,239

twenty thousand dollar fine really

474

00:20:06,799 --> 00:20:05,580

indeed it would say yes so part of a

475

00:20:09,169 --> 00:20:06,809

stage show you get some sort of

476

00:20:10,789 --> 00:20:09,179

dispensation from authorities when they

477

00:20:13,279 --> 00:20:10,799

understood what I was actually intending

478

00:20:14,810 --> 00:20:13,289

to use it for they declined my arm

479

00:20:16,099 --> 00:20:14,820

Hearst license and they said we are not

480

00:20:17,430 --> 00:20:16,109

gonna allow you to do that and I went

481

00:20:21,269 --> 00:20:17,440

okay

482

00:20:23,190 --> 00:20:21,279

famous musicians that you like well some

483

00:20:24,659 --> 00:20:23,200

of the ones you like yeah I mean with

484

00:20:26,070 --> 00:20:24,669

the amazing Randy be there cuz it was an

485

00:20:28,499 --> 00:20:26,080

escape artist you don't do that sort of

486

00:20:29,789 --> 00:20:28,509

thing do you I do I do indeed yes that

487

00:20:31,889 --> 00:20:29,799

involves hurting yourself and

488

00:20:34,230 --> 00:20:31,899

dislocating stuff does it does you know

489

00:20:35,460 --> 00:20:34,240

and sometimes you know we doing carry

490

00:20:36,899 --> 00:20:35,470

injuries throughout life and then we

491

00:20:38,549 --> 00:20:36,909

find out later on in life how useful

492

00:20:39,960 --> 00:20:38,559

they can actually become like my

493

00:20:43,289 --> 00:20:39,970

shoulder for example in a basketball

494

00:20:45,269 --> 00:20:43,299

fall so Wow indeed yeah very handy so

495

00:20:46,440 --> 00:20:45,279

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

496

00:20:47,730 --> 00:20:46,450

have heard of that you think wow that's

497

00:20:49,350 --> 00:20:47,740

good magician more people should know

498

00:20:52,139 --> 00:20:49,360

about that person Wow

499

00:20:54,180 --> 00:20:52,149

amongst the amazing like local talents I

500

00:20:57,539 --> 00:20:54,190

mean I'm here in Sydney and so many of

501
00:20:58,860 --> 00:20:57,549
my my friends who were to some degree my

502
00:21:00,389 --> 00:20:58,870
heroes and now I have the pleasure exit

503
00:21:02,639 --> 00:21:00,399
: and Francis people like Phoenix

504
00:21:04,889 --> 00:21:02,649
Montgomery these people I had a matter

505
00:21:08,129 --> 00:21:04,899
Vincent Cao who who represented

506
00:21:11,310 --> 00:21:08,139
Australia at the Fizz omission which is

507
00:21:13,680 --> 00:21:11,320
essentially the Olympics of magic an

508
00:21:15,360 --> 00:21:13,690
amazing talent I believe is in the 18

509
00:21:17,580 --> 00:21:15,370
just to 19

510
00:21:19,529 --> 00:21:17,590
yeah and he's an amazing talent he was a

511
00:21:20,700 --> 00:21:19,539
very proudly brought us home a fifth

512
00:21:22,980 --> 00:21:20,710
position at the other World

513
00:21:24,360 --> 00:21:22,990

Championships in if you see the calibre

514

00:21:26,159 --> 00:21:24,370

of magic and creativity from such a

515

00:21:27,990 --> 00:21:26,169

young guy he's really gonna help put

516

00:21:29,850 --> 00:21:28,000

Australia on the map when it comes to if

517

00:21:31,440 --> 00:21:29,860

I went to went to go see a magician in

518

00:21:33,060 --> 00:21:31,450

Sydney I don't know where I'd go to what

519

00:21:34,560 --> 00:21:33,070

are the good venues in Melbourne to see

520

00:21:35,730 --> 00:21:34,570

magicians in well there's actually many

521

00:21:38,340 --> 00:21:35,740

a venue is obviously there is my

522

00:21:40,350 --> 00:21:38,350

residency which is at holy moly there is

523

00:21:42,450 --> 00:21:40,360

also a couple of weekly or monthly

524

00:21:43,919 --> 00:21:42,460

events that we have for example we have

525

00:21:46,169 --> 00:21:43,929

top hat Tuesday which is on the very

526
00:21:47,970 --> 00:21:46,179
first Tuesday of every month at a venue

527
00:21:50,519 --> 00:21:47,980
called the 86 in Smith Street in

528
00:21:52,139 --> 00:21:50,529
Collingwood another great venue is the

529
00:21:54,210 --> 00:21:52,149
laneway theater where performances

530
00:21:56,490 --> 00:21:54,220
happen quite regularly the leymah theory

531
00:21:57,779 --> 00:21:56,500
is owned by one of Australia's greatest

532
00:21:59,759 --> 00:21:57,789
magicians and one of my mentors and

533
00:22:01,680 --> 00:21:59,769
heroes his name is Tim Ellis so he

534
00:22:03,330 --> 00:22:01,690
actually built a theatre in his home

535
00:22:04,740 --> 00:22:03,340
which is the laneway theatre and he

536
00:22:06,240 --> 00:22:04,750
performs there regularly as well as

537
00:22:07,919 --> 00:22:06,250
others and there's another thing that we

538
00:22:10,830 --> 00:22:07,929

hold there called sleight night in which

539

00:22:12,119 --> 00:22:10,840

we gather four of the best magicians who

540

00:22:13,200 --> 00:22:12,129

are in Melbourne at the time sometimes

541

00:22:14,399 --> 00:22:13,210

the international acts that come and

542

00:22:15,990 --> 00:22:14,409

visit will invite them to come and

543

00:22:16,740 --> 00:22:16,000

perform and you can see some of the best

544

00:22:18,360 --> 00:22:16,750

close-up magic

545

00:22:20,430 --> 00:22:18,370

with this small little theater that

546

00:22:21,930 --> 00:22:20,440

holds about 40 people and it's just a

547

00:22:24,629 --> 00:22:21,940

great atmosphere and an even better show

548

00:22:25,859 --> 00:22:24,639

why do you think magicians are involved

549

00:22:27,930 --> 00:22:25,869

with skepticism because a lot of

550

00:22:28,270 --> 00:22:27,940

skeptics are magicians is it because

551
00:22:33,940 --> 00:22:28,280
they

552
00:22:35,670 --> 00:22:33,950
minute I think there is some degree and

553
00:22:37,570 --> 00:22:35,680
I think from my self understanding

554
00:22:39,190 --> 00:22:37,580
ultimately for me what I enjoy better

555
00:22:42,700 --> 00:22:39,200
most is when you meet the skeptics and

556
00:22:45,250 --> 00:22:42,710
they theorize how your routines and your

557
00:22:46,600 --> 00:22:45,260
tricks are achieved I really listen and

558
00:22:48,580 --> 00:22:46,610
the reason for that is because I don't

559
00:22:52,360 --> 00:22:48,590
want to adopt any method that people

560
00:22:54,940 --> 00:22:52,370
might seem as obvious which for me makes

561
00:22:57,010 --> 00:22:54,950
my magic level a lot more deceptive and

562
00:22:58,900 --> 00:22:57,020
as a result as a result into me in the

563
00:23:00,310 --> 00:22:58,910

magic community having a little little

564

00:23:02,380 --> 00:23:00,320

more of a status and now I had the

565

00:23:03,910 --> 00:23:02,390

opportunity to actually go to

566

00:23:06,490 --> 00:23:03,920

conventions for example I was at Genie

567

00:23:07,780 --> 00:23:06,500

con hearing here in New South Wales and

568

00:23:10,000 --> 00:23:07,790

I was lecturing there and I'll be

569

00:23:13,740 --> 00:23:10,010

I'll be in Brisbane next year at the

570

00:23:16,060 --> 00:23:13,750

Assembly which was run by Sean Piper so

571

00:23:18,070 --> 00:23:16,070

when you start thinking this way and

572

00:23:20,050 --> 00:23:18,080

really trying to adopt methods that are

573

00:23:21,640 --> 00:23:20,060

gonna fool people is challenging as they

574

00:23:23,800 --> 00:23:21,650

are for you to actually master these

575

00:23:25,840 --> 00:23:23,810

slides in the end ultimately all you're

576

00:23:27,010 --> 00:23:25,850

gonna be doing is generating routines

577

00:23:29,710 --> 00:23:27,020

that are going to be your reputation

578

00:23:31,660 --> 00:23:29,720

makers and people are really going to

579

00:23:33,220 --> 00:23:31,670

enjoy them well it's been great change

580

00:23:34,690 --> 00:23:33,230

you about this I'm gonna I'm looking I'm

581

00:23:35,770 --> 00:23:34,700

looking forward to saying you're wrong

582

00:23:36,970 --> 00:23:35,780

then I'm gonna sit in the audience and

583

00:23:38,290 --> 00:23:36,980

have a really good look at what you're

584

00:23:39,700 --> 00:23:38,300

doing there where can people see you

585

00:23:41,680 --> 00:23:39,710

online or find out a bit more about you

586

00:23:44,410 --> 00:23:41,690

online indeed you can find me online at

587

00:23:46,060 --> 00:23:44,420

Nick Kay magic calm and there's links

588

00:23:47,950 --> 00:23:46,070

there to my Facebook and of course my

589

00:23:50,440 --> 00:23:47,960

Instagram feel free to drop me a line

590

00:23:53,770 --> 00:23:50,450

and thank you so much for your time inna

591

00:23:55,930 --> 00:23:53,780

thank you well it's now Sunday morning

592

00:23:58,660 --> 00:23:55,940

here of the final day of the skeptic on

593

00:24:00,340 --> 00:23:58,670

2018 and it's a bit of an overcast day

594

00:24:02,920 --> 00:24:00,350

but I'm here with Peter Rogers how are

595

00:24:04,330 --> 00:24:02,930

you I'm very well look I was introduced

596

00:24:07,510 --> 00:24:04,340

to you as a you are the guy who knows

597

00:24:10,260 --> 00:24:07,520

everything about magic why is scepticism

598

00:24:12,460 --> 00:24:10,270

and magicians so closely connected

599

00:24:14,800 --> 00:24:12,470

magicians are all into fraud they do it

600

00:24:16,360 --> 00:24:14,810

themselves but I admit it and there's a

601
00:24:20,020 --> 00:24:16,370
lot of people with the skeptics so

602
00:24:22,029 --> 00:24:20,030
against that psychics that use the same

603
00:24:24,200 --> 00:24:22,039
methods as magicians and

604
00:24:25,880 --> 00:24:24,210
what do you think of the is the

605
00:24:27,560 --> 00:24:25,890
proportion of people that are genuinely

606
00:24:29,029 --> 00:24:27,570
being fraudulent and the ones that are

607
00:24:30,620 --> 00:24:29,039
convinced that they can do it and fool

608
00:24:32,210 --> 00:24:30,630
themselves whoever kind of worked out

609
00:24:34,039 --> 00:24:32,220
with that ratio would be I don't know

610
00:24:35,960 --> 00:24:34,049
it's 50/50 I think I think a lot of

611
00:24:38,389 --> 00:24:35,970
people that mortar divining I think a

612
00:24:39,680 --> 00:24:38,399
lot of them are true believers mmm but

613
00:24:41,510 --> 00:24:39,690

they're killing themselves

614

00:24:43,299 --> 00:24:41,520

I think fortune tell us the same you

615

00:24:46,399 --> 00:24:43,309

know some people think they can do it

616

00:24:49,340 --> 00:24:46,409

they just don't understand averages how

617

00:24:51,799 --> 00:24:49,350

things actually turn out and Peter as a

618

00:24:53,539 --> 00:24:51,809

magician we had Nick K from Melbourne

619

00:24:54,409 --> 00:24:53,549

doing some close-up magic kind of stuff

620

00:24:56,210 --> 00:24:54,419

there last night

621

00:24:57,769 --> 00:24:56,220

what's been the area of magic that

622

00:24:59,269 --> 00:24:57,779

fascinates you you like the close-up

623

00:25:01,789 --> 00:24:59,279

card work what's the stuff you like

624

00:25:03,710 --> 00:25:01,799

close-up in card magic I'm more

625

00:25:05,360 --> 00:25:03,720

interested in the impossibility of it I

626

00:25:07,370 --> 00:25:05,370

don't get out and perform a lot and I'm

627

00:25:10,669 --> 00:25:07,380

I've never wanted to be a performer to

628

00:25:13,639 --> 00:25:10,679

be honest I just like to play with

629

00:25:15,380 --> 00:25:13,649

people's minds to make them just so that

630

00:25:17,389 --> 00:25:15,390

can't happen and what do you like at

631

00:25:19,190 --> 00:25:17,399

palming cards and that sort of thing you

632

00:25:21,560 --> 00:25:19,200

do good at that oh I do a lot of sleight

633

00:25:22,639 --> 00:25:21,570

of hand yeah yeah and how much practice

634

00:25:24,440 --> 00:25:22,649

does that take I was talking to Nick

635

00:25:26,120 --> 00:25:24,450

last night about how teller used to go

636

00:25:28,039 --> 00:25:26,130

around their house as a kid just palming

637

00:25:29,600 --> 00:25:28,049

things all day just keeping them there

638

00:25:32,090 --> 00:25:29,610

to see how long is that what you got to

639

00:25:35,029 --> 00:25:32,100

do yeah I'd be I'd be also playing with

640

00:25:36,380 --> 00:25:35,039

magic all the time it's you know 24

641

00:25:38,630 --> 00:25:36,390

hours a day you're thinking about magic

642

00:25:40,310 --> 00:25:38,640

is that something naughty kids did

643

00:25:42,200 --> 00:25:40,320

before the internet they basically like

644

00:25:43,909 --> 00:25:42,210

for I am I get into a magic act

645

00:25:45,500 --> 00:25:43,919

they're kids well kids still do it with

646

00:25:47,480 --> 00:25:45,510

the Internet actually they they don't go

647

00:25:51,740 --> 00:25:47,490

out performing so much now they actually

648

00:25:52,669 --> 00:25:51,750

learn magic on the Internet I don't

649

00:25:55,639 --> 00:25:52,679

think it's a good way to do it

650

00:25:56,990 --> 00:25:55,649

mm-hmm there's a lot of magic on the

651
00:25:58,669 --> 00:25:57,000
Internet yeah and of course whenever you

652
00:25:59,750 --> 00:25:58,679
do a trick now because everybody knows

653
00:26:01,220 --> 00:25:59,760
everything because of the internet

654
00:26:02,539 --> 00:26:01,230
everyone wants to know how did you do

655
00:26:03,830 --> 00:26:02,549
that trick all the time and they get

656
00:26:05,389 --> 00:26:03,840
really annoyed when you don't tell them

657
00:26:08,269 --> 00:26:05,399
when in fact back in the day that was

658
00:26:10,789 --> 00:26:08,279
just part of the show yeah look if you

659
00:26:13,340 --> 00:26:10,799
saw some on the trick and they're amazed

660
00:26:15,560 --> 00:26:13,350
that have a memory for the rest of their

661
00:26:17,840 --> 00:26:15,570
life you know that wasn't completely

662
00:26:20,029 --> 00:26:17,850
impossible if I learn how it's done

663
00:26:22,370 --> 00:26:20,039

within a week that forgotten it I just

664

00:26:24,230 --> 00:26:22,380

say oh at all they're very disappointed

665

00:26:25,700 --> 00:26:24,240

when I do learn how it's done

666

00:26:27,560 --> 00:26:25,710

this is what I mentioned when the

667

00:26:29,750 --> 00:26:27,570

amazing Randi did the book trick to me

668

00:26:31,580 --> 00:26:29,760

in in a book shop in Melbourne a couple

669

00:26:32,690 --> 00:26:31,590

of years ago I could probably go look up

670

00:26:34,280 --> 00:26:32,700

one of the ways he might have done that

671

00:26:35,360 --> 00:26:34,290

but that might not have been the way he

672

00:26:37,280 --> 00:26:35,370

did it anyway because there's a number

673

00:26:38,990 --> 00:26:37,290

of ways to do it I just enjoy being

674

00:26:41,180 --> 00:26:39,000

amazed by the whole thing in being a

675

00:26:41,900 --> 00:26:41,190

part of it yeah yeah once once you know

676

00:26:43,820 --> 00:26:41,910

how it's done

677

00:26:46,370 --> 00:26:43,830

you know it's lost its mysteries lost

678

00:26:48,890 --> 00:26:46,380

its real purpose in been done so you

679

00:26:50,930 --> 00:26:48,900

know magic is the illusion of something

680

00:26:51,260 --> 00:26:50,940

impossible happening when you know how

681

00:26:53,810 --> 00:26:51,270

it's done

682

00:26:55,430 --> 00:26:53,820

you think I'll I could have done that if

683

00:26:57,770 --> 00:26:55,440

I knew that and you and you lose

684

00:27:01,130 --> 00:26:57,780

interest in it and within a few months

685

00:27:02,419 --> 00:27:01,140

you forget really forget it anyway and

686

00:27:04,160 --> 00:27:02,429

we've been some of your favorite

687

00:27:06,049 --> 00:27:04,170

all-time Australian magicians because

688

00:27:07,669 --> 00:27:06,059

they tend to give it overshadowed by the

689

00:27:09,620 --> 00:27:07,679

overseas imports it were the ones that

690

00:27:12,740 --> 00:27:09,630

we should remember from back in the day

691

00:27:15,350 --> 00:27:12,750

and even now we've actually had a lot of

692

00:27:19,180 --> 00:27:15,360

magicians in Australia the two world on

693

00:27:21,710 --> 00:27:19,190

one's a little event who was popular

694

00:27:24,080 --> 00:27:21,720

during the war and after the war very

695

00:27:25,850 --> 00:27:24,090

popular in England but he came from well

696

00:27:27,460 --> 00:27:25,860

he lived in Delft the Bellevue Hill in

697

00:27:31,180 --> 00:27:27,470

Sydney

698

00:27:32,649 --> 00:27:31,190

and Brooklyn who all call him an

699

00:27:34,510 --> 00:27:32,659

Australian he actually came to Australia

700

00:27:37,799 --> 00:27:34,520

as a five-year-old Kane lived in Sydney

701
00:27:42,610 --> 00:27:37,809
to Europe and New Zealand and Australia

702
00:27:44,860 --> 00:27:42,620
again back in the 40s 50s 60s but my

703
00:27:47,169 --> 00:27:44,870
true love is probably a gentleman by the

704
00:27:51,100 --> 00:27:47,179
name of Sheen hue guard he was actually

705
00:27:53,860 --> 00:27:51,110
born in Toowoomba and as a young man he

706
00:27:55,390 --> 00:27:53,870
took up magic was interested in magic he

707
00:27:58,630 --> 00:27:55,400
started work for a bank this is back in

708
00:28:02,260 --> 00:27:58,640
the eighteen hundreds okay work for Bank

709
00:28:04,510 --> 00:28:02,270
was transferred to Berk town now if you

710
00:28:07,080 --> 00:28:04,520
know where Berk town is still to get the

711
00:28:09,760 --> 00:28:07,090
book ten there's still a gravel road up

712
00:28:12,250 --> 00:28:09,770
just underneath the Gulf of Gulf of

713
00:28:15,970 --> 00:28:12,260

Carpentaria didn't like working in a

714

00:28:17,980 --> 00:28:15,980

bank so the big export from Burke town

715

00:28:21,810 --> 00:28:17,990

in those days and still is I think was

716

00:28:24,820 --> 00:28:21,820

meat and he bought a refrigeration plant

717

00:28:27,240 --> 00:28:24,830

left the bank there's a blackout or he

718

00:28:29,350 --> 00:28:27,250

lost electricity he lost all the money

719

00:28:31,630 --> 00:28:29,360

sorry Phillip will I've got to take up

720

00:28:33,909 --> 00:28:31,640

magic as a profession and he started

721

00:28:36,880 --> 00:28:33,919

doing magic went to end the charges Taos

722

00:28:41,770 --> 00:28:36,890

had a big magic complex there and this

723

00:28:46,000 --> 00:28:41,780

is about 910 he was to Australia some

724

00:28:48,039 --> 00:28:46,010

magician 1916 but by then he had four

725

00:28:50,710 --> 00:28:48,049

kids we left Australia he went to Fiji

726

00:28:53,500 --> 00:28:50,720

and then he went on to America worked in

727

00:28:56,830 --> 00:28:53,510

Coney Island for ten years and the

728

00:29:01,720 --> 00:28:56,840

Depression hit and I'm magic supply

729

00:29:03,190 --> 00:29:01,730

dealer in America saw he was in hard

730

00:29:04,659 --> 00:29:03,200

times not having any money and he said

731

00:29:06,909 --> 00:29:04,669

will you write some instructions for me

732

00:29:09,430 --> 00:29:06,919

from my tricks I'm selling and then he

733

00:29:12,190 --> 00:29:09,440

started to write books and in jean hugh

734

00:29:14,350 --> 00:29:12,200

guard became one of the greatest magic

735

00:29:17,020 --> 00:29:14,360

writers of the 20th century you had a

736

00:29:18,850 --> 00:29:17,030

background in magic heroes books life

737

00:29:21,999 --> 00:29:18,860

encyclopedia of card fix railroad to

738

00:29:23,619 --> 00:29:22,009

card technique expert card technique

739

00:29:25,720 --> 00:29:23,629

and they're still relevant today of

740

00:29:26,710 --> 00:29:25,730

course relevant today they are right

741

00:29:30,159 --> 00:29:26,720

books

742

00:29:32,979 --> 00:29:30,169

he got actually died his real name was

743

00:29:33,340 --> 00:29:32,989

voiced gerard voice but he called

744

00:29:38,529 --> 00:29:33,350

himself

745

00:29:41,799 --> 00:29:38,539

Jean huger as a writer he died in 1959 I

746

00:29:43,749 --> 00:29:41,809

think was bad August to September who

747

00:29:45,850 --> 00:29:43,759

was the magician's magician like

748

00:29:47,499 --> 00:29:45,860

obviously Houdini always comes up but he

749

00:29:48,879 --> 00:29:47,509

is he the like the one that everyone

750

00:29:51,749 --> 00:29:48,889

looks up to or is that one that the

751
00:29:54,580 --> 00:29:51,759
layperson might not know as well

752
00:29:56,019 --> 00:29:54,590
magicians really don't a lot of medusa

753
00:29:57,549 --> 00:29:56,029
tell like who did any of they thought he

754
00:30:00,220 --> 00:29:57,559
was he was great at promoting himself

755
00:30:02,729 --> 00:30:00,230
but he's actually actual technique at

756
00:30:05,769 --> 00:30:02,739
magic wasn't a great he was good person

757
00:30:06,970 --> 00:30:05,779
showmanship and you know getting people

758
00:30:08,889 --> 00:30:06,980
and getting publicity was great

759
00:30:11,919 --> 00:30:08,899
publicity

760
00:30:15,190 --> 00:30:11,929
magicians magicians probably the best

761
00:30:17,169 --> 00:30:15,200
manipulator of the 20th century early

762
00:30:19,840 --> 00:30:17,179
20th century was a gentleman boiling out

763
00:30:21,369 --> 00:30:19,850

Cardini I know I mentioned Cardini

764

00:30:23,109 --> 00:30:21,379

because he actually called himself

765

00:30:25,359 --> 00:30:23,119

Cardini when he was in Australia his

766

00:30:27,099 --> 00:30:25,369

actual name was Pickford and of course

767

00:30:28,989 --> 00:30:27,109

that sounds like he was a specialist in

768

00:30:31,090 --> 00:30:28,999

the close-up magic well he he was a

769

00:30:32,859 --> 00:30:31,100

manipulator on stage he used to do he

770

00:30:35,169 --> 00:30:32,869

used to produce cards and cigarettes and

771

00:30:39,849 --> 00:30:35,179

back in the days when it was polite to

772

00:30:41,859 --> 00:30:39,859

smoke but he had a perfect another

773

00:30:45,430 --> 00:30:41,869

magician and magician who probably never

774

00:30:48,070 --> 00:30:45,440

heard of his Dai Vernon who was

775

00:30:48,729 --> 00:30:48,080

definitely into close-up magic and all

776

00:30:53,400 --> 00:30:48,739

magicians

777

00:30:55,830 --> 00:30:53,410

close-up magic and card tricks

778

00:30:57,260 --> 00:30:55,840

that have been around in the last 70 odd

779

00:31:00,030 --> 00:30:57,270

years we'll have heard of dive in and

780

00:31:02,850 --> 00:31:00,040

probably had the most influence of any

781

00:31:05,970 --> 00:31:02,860

magician originally from Canada then he

782

00:31:11,220 --> 00:31:05,980

went down to New York as a young man and

783

00:31:13,350 --> 00:31:11,230

then in the 1960s he went to Los Angeles

784

00:31:16,050 --> 00:31:13,360

join the Magic Castle which is a

785

00:31:17,820 --> 00:31:16,060

magician's club in Los Angeles stayed

786

00:31:21,780 --> 00:31:17,830

there until he died he was in his 90s

787

00:31:24,390 --> 00:31:21,790

and this is back in the early 1990s that

788

00:31:26,040 --> 00:31:24,400

he died and what about currently who are

789

00:31:28,350 --> 00:31:26,050

the ones that would be the top of their

790

00:31:30,750 --> 00:31:28,360

game worldwide at the moment look at the

791

00:31:32,730 --> 00:31:30,760

pitch what sort of magic you're

792

00:31:35,130 --> 00:31:32,740

interested in it's like saying who's the

793

00:31:37,560 --> 00:31:35,140

top singer that's true but it depends

794

00:31:39,510 --> 00:31:37,570

you know yeah well you do have the ones

795

00:31:41,460 --> 00:31:39,520

that like doing the big the big stuff

796

00:31:42,840 --> 00:31:41,470

like making half a city disappear like

797

00:31:44,820 --> 00:31:42,850

kind of stuff to go do close-up magic

798

00:31:46,380 --> 00:31:44,830

air yeah David David Copperfield

799

00:31:49,740 --> 00:31:46,390

probably the best known one even

800

00:31:51,990 --> 00:31:49,750

Siegfried and Roy were big up until they

801
00:31:53,910 --> 00:31:52,000
had their excellent yeah 15 years or so

802
00:31:55,980 --> 00:31:53,920
that the David Copperfield Penn & Teller

803
00:31:57,750 --> 00:31:55,990
had the big show in Las Vegas

804
00:31:59,130 --> 00:31:57,760
yes I've saw this show it's a great

805
00:32:00,930 --> 00:31:59,140
range of acts they did it was kind of a

806
00:32:02,280 --> 00:32:00,940
bestop show I saw and because they

807
00:32:03,840 --> 00:32:02,290
finished with the bullet catch for that

808
00:32:05,490 --> 00:32:03,850
which they're quite well known from but

809
00:32:06,470 --> 00:32:05,500
all the ones on the way to get there

810
00:32:10,860 --> 00:32:06,480
were interesting as well

811
00:32:13,020 --> 00:32:10,870
yeah if you see Penn & Teller XE they

812
00:32:14,730 --> 00:32:13,030
keep changing their show so sometimes

813
00:32:16,290 --> 00:32:14,740

you're golden it's a great show you

814

00:32:18,630 --> 00:32:16,300

might go a few months later and they'll

815

00:32:20,310 --> 00:32:18,640

have changed the routine so you might be

816

00:32:22,110 --> 00:32:20,320

disappointed so it won't be quite as

817

00:32:23,190 --> 00:32:22,120

good or you know because they change the

818

00:32:25,050 --> 00:32:23,200

rent and then you might go back a few

819

00:32:26,700 --> 00:32:25,060

months later and see in another so some

820

00:32:27,960 --> 00:32:26,710

of the some of the routines they do will

821

00:32:30,960 --> 00:32:27,970

be the same and some will be different

822

00:32:32,280 --> 00:32:30,970

so they keep its look every time you go

823

00:32:33,570 --> 00:32:32,290

to Las Vegas it's worth going back

824

00:32:36,780 --> 00:32:33,580

because you'll always see something new

825

00:32:39,270 --> 00:32:36,790

and they show it's just you know some of

826

00:32:42,690 --> 00:32:39,280

the material you might not like as well

827

00:32:44,430 --> 00:32:42,700

as others but mmm yeah when they started

828

00:32:46,080 --> 00:32:44,440

out that little bit like they seem to be

829

00:32:47,640 --> 00:32:46,090

the anti magicians like doing the cup

830

00:32:49,260 --> 00:32:47,650

and balls with the plastic Caesar cups

831

00:32:51,060 --> 00:32:49,270

and stuff and the great thing about that

832

00:32:52,380 --> 00:32:51,070

is that even when you see them doing it

833

00:32:53,850 --> 00:32:52,390

with the plastic see-through cup you

834

00:32:55,440 --> 00:32:53,860

don't really learn all that much more it

835

00:32:57,990 --> 00:32:55,450

doesn't give anything away we're now I

836

00:32:59,130 --> 00:32:58,000

knew a lot of magicians for didn't like

837

00:33:00,870 --> 00:32:59,140

it because I said ah this is all

838

00:33:02,730 --> 00:33:00,880

exposure they're exposing the secrets

839

00:33:03,990 --> 00:33:02,740

but I don't think they were there you

840

00:33:05,760 --> 00:33:04,000

know they didn't

841

00:33:08,730 --> 00:33:05,770

so the cups and balls with see-through

842

00:33:09,930 --> 00:33:08,740

cups the point is a layman still

843

00:33:13,620 --> 00:33:09,940

wouldn't know how it was done absolutely

844

00:33:17,100 --> 00:33:13,630

yeah you know were using misdirection

845

00:33:19,830 --> 00:33:17,110

which is what all magics is its so the

846

00:33:21,270 --> 00:33:19,840

same principles and a lay audience still

847

00:33:23,100 --> 00:33:21,280

didn't know how it was done

848

00:33:24,660 --> 00:33:23,110

what's the one trick you've seen anyone

849

00:33:26,040 --> 00:33:24,670

do during your entire life and you

850

00:33:29,130 --> 00:33:26,050

pretty much know how much that would its

851
00:33:30,330 --> 00:33:29,140
floor do you go on Hannah what's the one

852
00:33:32,040 --> 00:33:30,340
trick that if someone's done that's

853
00:33:35,700 --> 00:33:32,050
again hang and what I get fooled

854
00:33:39,000 --> 00:33:35,710
occasionally I can remember just a close

855
00:33:41,760 --> 00:33:39,010
up routine with four coins magician past

856
00:33:45,360 --> 00:33:41,770
these hands a few inches above the coins

857
00:33:48,210 --> 00:33:45,370
and I seem to gather in a corner in one

858
00:33:50,790 --> 00:33:48,220
spot they just seem to move around and I

859
00:33:53,880 --> 00:33:50,800
was amazed the first time I saw it that

860
00:33:56,750 --> 00:33:53,890
I I don't sleep until I find out how

861
00:34:01,260 --> 00:33:56,760
it's done so I I don't think there's

862
00:34:04,410 --> 00:34:01,270
many tricks that I'm still fooled by I

863
00:34:05,580 --> 00:34:04,420

I'm not be fooled for a while but I make

864

00:34:07,380 --> 00:34:05,590

an effort to find out how they're done

865

00:34:09,210 --> 00:34:07,390

because we're here with their skepticism

866

00:34:10,889 --> 00:34:09,220

what's the sort of what's the one whew

867

00:34:12,540 --> 00:34:10,899

that really annoys you what's a word

868

00:34:14,690 --> 00:34:12,550

that gets your goat that annoys you of

869

00:34:18,840 --> 00:34:14,700

most of all of them I don't like people

870

00:34:21,600 --> 00:34:18,850

claiming to be a genuine psychic or a

871

00:34:24,810 --> 00:34:21,610

genuine at anything but using trickery

872

00:34:26,760 --> 00:34:24,820

to achieve that and not admitting it so

873

00:34:29,460 --> 00:34:26,770

I suppose I'm thinking of Uri Geller

874

00:34:32,580 --> 00:34:29,470

well I had problems that Uri Geller made

875

00:34:34,740 --> 00:34:32,590

a lot of money in defrauding people he

876

00:34:37,260 --> 00:34:34,750

now virtually although he still can't

877

00:34:41,180 --> 00:34:37,270

say out loud the boots the admits to

878

00:34:43,440 --> 00:34:41,190

magicians that he is one of us and

879

00:34:45,060 --> 00:34:43,450

where's the website we could go that's

880

00:34:46,590 --> 00:34:45,070

got either a good history of magic or

881

00:34:47,790 --> 00:34:46,600

some stuff about magic in case we want

882

00:34:48,540 --> 00:34:47,800

to learn a bit more what's one you could

883

00:34:50,430 --> 00:34:48,550

recommend to this

884

00:34:55,200 --> 00:34:50,440

I prefer books actually to the website

885

00:34:56,730 --> 00:34:55,210

so it's a good book then better if you

886

00:34:57,840 --> 00:34:56,740

want a depends on whether you want to

887

00:34:59,430 --> 00:34:57,850

know the secret so if you want to know

888

00:35:00,690 --> 00:34:59,440

the history of magic all right let's go

889

00:35:02,280 --> 00:35:00,700

with the history of magic because a lot

890

00:35:03,960 --> 00:35:02,290

of people wanted the secrets but that's

891

00:35:05,340 --> 00:35:03,970

like going to the blueprints of the

892

00:35:06,630 --> 00:35:05,350

whole thing let's find out who designed

893

00:35:11,370 --> 00:35:06,640

the car let's go that way

894

00:35:15,599 --> 00:35:11,380

yeah if you look at books written by

895

00:35:17,550 --> 00:35:15,609

ed would endorse the aw yes he's from

896

00:35:23,040 --> 00:35:17,560

Hull in in England he's written numerous

897

00:35:27,839 --> 00:35:23,050

books if you just want to read the best

898

00:35:30,300 --> 00:35:27,849

specific magicians there's a lot of

899

00:35:32,940 --> 00:35:30,310

books published by Mike Haynie in

900

00:35:36,180 --> 00:35:32,950

America of course his publishing company

901
00:35:38,370 --> 00:35:36,190
magic words he's written some of the

902
00:35:41,430 --> 00:35:38,380
books he's written books on on Harry

903
00:35:43,410 --> 00:35:41,440
Keller is a famous magician on on Carter

904
00:35:45,390 --> 00:35:43,420
the great another great magician he's

905
00:35:46,890 --> 00:35:45,400
published a book on less Levant was

906
00:35:52,770 --> 00:35:46,900
actually written by Kent Blackmore who's

907
00:35:54,390 --> 00:35:52,780
from Sydney great book these books been

908
00:35:56,819 --> 00:35:54,400
coming out some are still available some

909
00:35:58,920 --> 00:35:56,829
you might have to get secondhand top

910
00:36:01,290 --> 00:35:58,930
tips there Peter will enjoy your final

911
00:36:02,339 --> 00:36:01,300
day here of skeptic on 2018 must been

912
00:36:05,609 --> 00:36:02,349
your favorite moment from the

913
00:36:07,710 --> 00:36:05,619

conferences you so far I think the

914

00:36:09,000 --> 00:36:07,720

performance of magic naturally at the

915

00:36:11,790 --> 00:36:09,010

banquet last night yeah that was pretty

916

00:36:27,300 --> 00:36:11,800

good there thanks a lot babe thank you

917

00:36:33,700 --> 00:36:30,730

calling all skeptics or listeners do you

918

00:36:35,740 --> 00:36:33,710

live in or near Glasgow are you planning

919

00:36:38,770 --> 00:36:35,750

to visit sometime then you're in luck

920

00:36:41,830 --> 00:36:38,780

because Glasgow skeptics have got your

921

00:36:43,930 --> 00:36:41,840

Monday nights sorted we are committed to

922

00:36:47,110 --> 00:36:43,940

filling up every available Monday night

923

00:36:49,300 --> 00:36:47,120

talks on science and skepticism past

924

00:36:51,340 --> 00:36:49,310

speakers include Eugenie Scott Jerry

925

00:36:53,380 --> 00:36:51,350

Coyne Michael Marshall Nate Phelps

926
00:36:56,800 --> 00:36:53,390
Tom and Cecil from cognitive dissonance

927
00:36:58,810 --> 00:36:56,810
PZ Myers Richard Wiseman EC drilling

928
00:37:01,990 --> 00:36:58,820
noah heath and eli from the skating

929
00:37:04,240 --> 00:37:02,000
atheist Simon Singh Rebecca Watson and a

930
00:37:06,610 --> 00:37:04,250
multitude of local academics and

931
00:37:09,280 --> 00:37:06,620
skeptics there's literally nothing

932
00:37:11,200 --> 00:37:09,290
better you can do on a Monday in Glasgow

933
00:37:14,140 --> 00:37:11,210
it doesn't involve taking your clothes

934
00:37:16,390 --> 00:37:14,150
off so come join us we've also got a

935
00:37:18,520 --> 00:37:16,400
vibrant online community you can find us

936
00:37:21,010 --> 00:37:18,530
on Facebook Twitter and get involved

937
00:37:38,260 --> 00:37:21,020
with the discussion glasgow skeptics

938
00:37:44,510 --> 00:37:38,270

self-help for your brain life is wild

939

00:37:54,120 --> 00:37:44,520

[Music]

940

00:37:55,440 --> 00:37:54,130

with Michelle Franklin today I want to

941

00:37:58,710 --> 00:37:55,450

talk about biocontrol

942

00:37:59,850 --> 00:37:58,720

what does it mean to you and what do you

943

00:38:01,640 --> 00:37:59,860

think of when you hear the word

944

00:38:04,350 --> 00:38:01,650

biocontrol

945

00:38:06,030 --> 00:38:04,360

what I tend to find when I when I'm

946

00:38:08,820 --> 00:38:06,040

talking to people is that most

947

00:38:11,490 --> 00:38:08,830

Australians have vaguely heard of

948

00:38:14,310 --> 00:38:11,500

myxomatosis and Khaleesi virus being

949

00:38:16,620 --> 00:38:14,320

used against rabbits and if I'm lucky

950

00:38:18,540 --> 00:38:16,630

maybe they remember back to you know in

951
00:38:20,640 --> 00:38:18,550
science when we learned about the moth

952
00:38:24,150 --> 00:38:20,650
capture Blastoise impacting on cactus

953
00:38:25,830 --> 00:38:24,160
populations but in general I find that

954
00:38:28,770 --> 00:38:25,840
most people tend to think of these as

955
00:38:31,980 --> 00:38:28,780
failures because we still have rabbits

956
00:38:34,050 --> 00:38:31,990
and we still have cactuses so therefore

957
00:38:41,160 --> 00:38:34,060
obviously they think that fire control

958
00:38:43,440 --> 00:38:41,170
doesn't work for the much more common

959
00:38:46,350 --> 00:38:43,450
reason that people seem to talk about it

960
00:38:48,360 --> 00:38:46,360
is when they bring up cane toads as a

961
00:38:51,690 --> 00:38:48,370
retort against a suggestion of

962
00:38:53,280 --> 00:38:51,700
scientists trying something new for

963
00:38:55,050 --> 00:38:53,290

those listeners who are outside of

964

00:38:57,060 --> 00:38:55,060

Australia and may not know about cane

965

00:38:59,850 --> 00:38:57,070

toads they're probably the most hated

966

00:39:01,860 --> 00:38:59,860

invasive species that we have they were

967

00:39:05,640 --> 00:39:01,870

introduced deliberately about 80 years

968

00:39:07,650 --> 00:39:05,650

ago as a bio control agent but they

969

00:39:10,860 --> 00:39:07,660

failed completely and became an invasive

970

00:39:13,530 --> 00:39:10,870

pest all stages of their lifecycle are

971

00:39:15,450 --> 00:39:13,540

poisonous and just to add to their bad

972

00:39:18,900 --> 00:39:15,460

image they're generally considered to be

973

00:39:21,030 --> 00:39:18,910

ugly so now cane toads are the poster

974

00:39:23,220 --> 00:39:21,040

child for why scientists can't be

975

00:39:25,950 --> 00:39:23,230

trusted and biocontrol is a bad idea

976

00:39:27,810 --> 00:39:25,960

this is really unfortunate because it's

977

00:39:30,240 --> 00:39:27,820

used against all manner of scientists

978

00:39:32,580 --> 00:39:30,250

when the argument against the thing that

979

00:39:35,370 --> 00:39:32,590

they're talking about falls down and the

980

00:39:37,110 --> 00:39:35,380

anti science person resorts to attacking

981

00:39:39,990 --> 00:39:37,120

scientists as a whole

982

00:39:41,970 --> 00:39:40,000

yeah well scientists thought cane toads

983

00:39:42,180 --> 00:39:41,980

were a good idea so look where that got

984

00:39:44,220 --> 00:39:42,190

us

985

00:39:46,620 --> 00:39:44,230

where did this image of the bumbling

986

00:39:48,660 --> 00:39:46,630

scientist who takes insane risks and

987

00:39:50,970 --> 00:39:48,670

doesn't consider consequences come from

988

00:39:53,740 --> 00:39:50,980

how is it impacting on working

989

00:39:56,320 --> 00:39:53,750

scientists today where do we go wrong

990

00:39:58,210 --> 00:39:56,330

and why has one big failure come to

991

00:40:01,660 --> 00:39:58,220

represent an entire ecological

992

00:40:04,300 --> 00:40:01,670

management system and more importantly

993

00:40:06,160 --> 00:40:04,310

what can we do to fix this we all know

994

00:40:08,680 --> 00:40:06,170

that biocontrol has a terrible image and

995

00:40:11,890 --> 00:40:08,690

that many people fear the next cane toad

996

00:40:13,990 --> 00:40:11,900

but we can and have learned a lot since

997

00:40:15,700 --> 00:40:14,000

this failure not only the failure in the

998

00:40:18,520 --> 00:40:15,710

risk assessment that allowed cane toads

999

00:40:20,170 --> 00:40:18,530

to be introduced and this is a risk

1000

00:40:22,780 --> 00:40:20,180

that's been all but completely

1001

00:40:24,400 --> 00:40:22,790

eliminated in modern bio control but

1002

00:40:26,560 --> 00:40:24,410

also the failure and science

1003

00:40:29,830 --> 00:40:26,570

communication that is still plaguing us

1004

00:40:31,990 --> 00:40:29,840

to this day science communication has

1005

00:40:36,190 --> 00:40:32,000

some serious issues that need to be

1006

00:40:38,470 --> 00:40:36,200

addressed at a very broad scale but what

1007

00:40:41,650 --> 00:40:38,480

I want to talk to you about today is how

1008

00:40:44,110 --> 00:40:41,660

you as a science enthusiast can help the

1009

00:40:46,210 --> 00:40:44,120

situation for the poor ecologist who was

1010

00:40:49,150 --> 00:40:46,220

just trying to make things better and

1011

00:40:50,650 --> 00:40:49,160

can't get past that damn cane toad what

1012

00:40:53,110 --> 00:40:50,660

I want you to do is to educate yourself

1013

00:40:55,330 --> 00:40:53,120

so that when you hear people use this

1014

00:40:58,180 --> 00:40:55,340

argument you can say the all-important

1015

00:41:00,100 --> 00:40:58,190

well actually and then back it up with

1016

00:41:02,560 --> 00:41:00,110

some interesting and memorable

1017

00:41:06,070 --> 00:41:02,570

information let's start with the basics

1018

00:41:09,370 --> 00:41:06,080

of what buyer control is and how it's

1019

00:41:12,700 --> 00:41:09,380

done today because it is done a lot and

1020

00:41:15,070 --> 00:41:12,710

it's done very well the basic idea of

1021

00:41:18,190 --> 00:41:15,080

buyer control is about balancing

1022

00:41:19,810 --> 00:41:18,200

advantages when an animal or a plant is

1023

00:41:21,910 --> 00:41:19,820

brought in to a new place where it

1024

00:41:24,100 --> 00:41:21,920

didn't exist before it has certain

1025

00:41:26,800 --> 00:41:24,110

advantages everything lives in an

1026
00:41:29,020 --> 00:41:26,810
ecosystem and most plants and animals

1027
00:41:31,000 --> 00:41:29,030
have very specific pest species that

1028
00:41:33,460 --> 00:41:31,010
have evolved with them and which live

1029
00:41:36,130 --> 00:41:33,470
exclusively on them or on their very

1030
00:41:38,260 --> 00:41:36,140
close relatives so if you take a plant

1031
00:41:39,640 --> 00:41:38,270
or animal say from South America and

1032
00:41:42,190 --> 00:41:39,650
bring it to Australia

1033
00:41:43,960 --> 00:41:42,200
suddenly it experiences a world where

1034
00:41:46,060 --> 00:41:43,970
the bulk of the pathogens and parasites

1035
00:41:49,000 --> 00:41:46,070
just don't eat it because they haven't

1036
00:41:51,070 --> 00:41:49,010
evolved to do so everything has a

1037
00:41:53,590 --> 00:41:51,080
background parasite load that it has

1038
00:41:55,810 --> 00:41:53,600

evolved to cope with and when that is

1039

00:41:57,730 --> 00:41:55,820

left behind in South America and the

1040

00:42:00,550 --> 00:41:57,740

invasive species is suddenly free to

1041

00:42:04,060 --> 00:42:00,560

grow and spread uninhibited it has an

1042

00:42:06,670 --> 00:42:04,070

advantage now success in buyer control

1043

00:42:07,650 --> 00:42:06,680

doesn't mean that all of your target

1044

00:42:10,450 --> 00:42:07,660

species die

1045

00:42:12,250 --> 00:42:10,460

success can in fact be quite mediocre

1046

00:42:14,980 --> 00:42:12,260

and hard to spot

1047

00:42:17,350 --> 00:42:14,990

it's not about wiping out the hosts it's

1048

00:42:20,190 --> 00:42:17,360

about developing an ongoing relationship

1049

00:42:22,300 --> 00:42:20,200

between the agent and the host and

1050

00:42:23,830 --> 00:42:22,310

establishing a self-sustaining

1051
00:42:26,440 --> 00:42:23,840
population that will cycle through

1052
00:42:28,930 --> 00:42:26,450
breeding and feeding and living off the

1053
00:42:31,990 --> 00:42:28,940
target species and reducing the health

1054
00:42:34,300 --> 00:42:32,000
of the target species and reducing the

1055
00:42:37,210 --> 00:42:34,310
advantages that it was using to get

1056
00:42:40,180 --> 00:42:37,220
ahead in its new environment step one is

1057
00:42:42,730 --> 00:42:40,190
to find the agent usually this is done

1058
00:42:44,650 --> 00:42:42,740
by going back to the place of origin and

1059
00:42:46,840 --> 00:42:44,660
just looking around what's eating it

1060
00:42:49,420 --> 00:42:46,850
there you start with a long list of

1061
00:42:51,820 --> 00:42:49,430
potential agents sometimes 100 or more

1062
00:42:55,390 --> 00:42:51,830
species that you found living on this

1063
00:42:58,090 --> 00:42:55,400

this plant or animal and then you start

1064

00:43:00,550 --> 00:42:58,100

whittling that list down for some it's

1065

00:43:03,580 --> 00:43:00,560

easy because they're already known pests

1066

00:43:05,980 --> 00:43:03,590

and in their native country so you know

1067

00:43:06,760 --> 00:43:05,990

that that's not going to work that's the

1068

00:43:09,430 --> 00:43:06,770

easy part

1069

00:43:12,400 --> 00:43:09,440

you shortlist maybe 20 or 30 agents

1070

00:43:15,280 --> 00:43:12,410

usually insects but not always and you

1071

00:43:17,740 --> 00:43:15,290

test them step two is the hard part

1072

00:43:20,290 --> 00:43:17,750

but the rigorous testing and retesting

1073

00:43:22,390 --> 00:43:20,300

that is done to every potential new

1074

00:43:25,780 --> 00:43:22,400

agent is the reason that biocontrol is

1075

00:43:29,650 --> 00:43:25,790

safe today there's two basic tests that

1076
00:43:31,510 --> 00:43:29,660
need to be performed one is to find out

1077
00:43:33,610 --> 00:43:31,520
if the agent can live on something else

1078
00:43:36,490 --> 00:43:33,620
this is the step that was missed with

1079
00:43:38,170 --> 00:43:36,500
the cane toad you have to be almost 100%

1080
00:43:41,320 --> 00:43:38,180
sure that the agent can't survive

1081
00:43:44,590 --> 00:43:41,330
without its host the agent that you're

1082
00:43:47,170 --> 00:43:44,600
looking for has to have evolved with the

1083
00:43:49,090 --> 00:43:47,180
target host species so it'll be

1084
00:43:51,640 --> 00:43:49,100
completely dependent on it for survival

1085
00:43:54,010 --> 00:43:51,650
the way that your test for this is to

1086
00:43:55,990 --> 00:43:54,020
take every conceivable off target host

1087
00:43:57,670 --> 00:43:56,000
which is another way of saying any plant

1088
00:44:00,880 --> 00:43:57,680

or animal that you're not trying to kill

1089

00:44:03,220 --> 00:44:00,890

and you put it in a cage with the agent

1090

00:44:06,490 --> 00:44:03,230

and see if the agent can survive and

1091

00:44:08,350 --> 00:44:06,500

breed if it's even possible for them to

1092

00:44:10,480 --> 00:44:08,360

survive on something other than the

1093

00:44:13,090 --> 00:44:10,490

target host then the agent is a failure

1094

00:44:15,670 --> 00:44:13,100

and it can't be used then the second

1095

00:44:18,310 --> 00:44:15,680

test is to set up the age and in a cage

1096

00:44:21,250 --> 00:44:18,320

with the target host so it's happy and

1097

00:44:21,550 --> 00:44:21,260

healthy and breeding and then introduced

1098

00:44:24,070 --> 00:44:21,560

there

1099

00:44:26,440 --> 00:44:24,080

conceivable off-target host to that

1100

00:44:29,680 --> 00:44:26,450

little system to see if there's any

1101
00:44:32,710 --> 00:44:29,690
collateral damage if a viable population

1102
00:44:34,750 --> 00:44:32,720
living on a target species is capable of

1103
00:44:37,330 --> 00:44:34,760
harming the native or desirable species

1104
00:44:40,030 --> 00:44:37,340
in the new location then again it's a

1105
00:44:42,250 --> 00:44:40,040
failure so if an agent can pass tests

1106
00:44:45,370 --> 00:44:42,260
one and two and it's not capable of

1107
00:44:47,860 --> 00:44:45,380
surviving without its host or able to do

1108
00:44:50,680 --> 00:44:47,870
harm to the native ecosystem and this

1109
00:44:52,570 --> 00:44:50,690
takes years of testing to assure of then

1110
00:44:53,920 --> 00:44:52,580
you can apply to the Australian

1111
00:44:56,020 --> 00:44:53,930
government for permission to start

1112
00:44:58,210 --> 00:44:56,030
releasing into the wild this is the

1113
00:45:00,340 --> 00:44:58,220

hardest step they have extremely high

1114

00:45:03,130 --> 00:45:00,350

standards and sometimes agents can wait

1115

00:45:04,900 --> 00:45:03,140

in review for years before the tests are

1116

00:45:08,020 --> 00:45:04,910

accepted and the agent can be signed off

1117

00:45:10,090 --> 00:45:08,030

for release often there's a cycle of

1118

00:45:12,100 --> 00:45:10,100

retesting to satisfy the high standards

1119

00:45:16,330 --> 00:45:12,110

before you can move on to the release

1120

00:45:18,880 --> 00:45:16,340

trials by this stage the agent is pretty

1121

00:45:21,490 --> 00:45:18,890

much guaranteed to be safe and in many

1122

00:45:24,580 --> 00:45:21,500

cases release trials is when the agent

1123

00:45:26,800 --> 00:45:24,590

fails but in modern bio control failures

1124

00:45:28,750 --> 00:45:26,810

when a host fails to establish or fails

1125

00:45:31,990 --> 00:45:28,760

to impact on its target for whatever

1126
00:45:33,850 --> 00:45:32,000
reason if they just don't breed enough

1127
00:45:36,040 --> 00:45:33,860
or survive in the wild at the levels

1128
00:45:37,960 --> 00:45:36,050
necessary for success that's what a

1129
00:45:40,570 --> 00:45:37,970
failure is and you'll likely never hear

1130
00:45:43,210 --> 00:45:40,580
about it but in the cases where bio

1131
00:45:45,570 --> 00:45:43,220
control is successful the story still

1132
00:45:48,040 --> 00:45:45,580
isn't very dramatic or exciting

1133
00:45:51,340 --> 00:45:48,050
successful bio control doesn't wipe out

1134
00:45:53,470 --> 00:45:51,350
a target species at best it reduces it

1135
00:45:56,050 --> 00:45:53,480
it increases the pressure on that

1136
00:45:57,880 --> 00:45:56,060
invasive species and takes away some of

1137
00:46:00,340 --> 00:45:57,890
the advantages that it has been

1138
00:46:02,920 --> 00:46:00,350

benefiting from when an invasive species

1139

00:46:06,130 --> 00:46:02,930

is exposed to successful bio control

1140

00:46:07,750 --> 00:46:06,140

agent they interact they affect one

1141

00:46:10,510 --> 00:46:07,760

another and they shift their ecological

1142

00:46:12,820 --> 00:46:10,520

equilibrium back to a point where the

1143

00:46:15,580 --> 00:46:12,830

invasive species is a little less

1144

00:46:18,190 --> 00:46:15,590

successful and its impacts are reduced a

1145

00:46:19,660 --> 00:46:18,200

good example of this is mimosa in the

1146

00:46:22,420 --> 00:46:19,670

north of Australia

1147

00:46:25,480 --> 00:46:22,430

it's a horrible prickly yet very pretty

1148

00:46:27,940 --> 00:46:25,490

plant which in its native habitat grows

1149

00:46:30,580 --> 00:46:27,950

to 2 or 3 metres tall and often has

1150

00:46:32,650 --> 00:46:30,590

other plants growing amongst it but in

1151

00:46:35,259 --> 00:46:32,660

Australia where there's little natural

1152

00:46:38,319 --> 00:46:35,269

predation on it it can grow to 4 or 5

1153

00:46:41,409 --> 00:46:38,329

tall form dense impenetrable thickets

1154

00:46:44,649 --> 00:46:41,419

and completely dominate vast tracts of

1155

00:46:46,659 --> 00:46:44,659

land to the exclusion of all else until

1156

00:46:48,370 --> 00:46:46,669

the very successful bio control methods

1157

00:46:50,380 --> 00:46:48,380

are introduced to the into the picture

1158

00:46:52,359 --> 00:46:50,390

and it's brought back to a more

1159

00:46:54,939 --> 00:46:52,369

reasonable height and the canopies

1160

00:46:57,909 --> 00:46:54,949

opened up to allow sunlight and space to

1161

00:46:59,979 --> 00:46:57,919

the understory and now other plants can

1162

00:47:02,999 --> 00:46:59,989

compete with it that's when you move on

1163

00:47:05,109 --> 00:47:03,009

to step four monitoring and maintenance

1164

00:47:07,209 --> 00:47:05,119

populations will always fluctuate

1165

00:47:09,909 --> 00:47:07,219

depending on seasons and conditions and

1166

00:47:13,239 --> 00:47:09,919

sometimes it's useful or even vital to

1167

00:47:15,639 --> 00:47:13,249

keep introducing biocontrol agents at

1168

00:47:17,439 --> 00:47:15,649

strategic intervals to manipulate the

1169

00:47:20,620 --> 00:47:17,449

equilibrium and keep on top of

1170

00:47:22,929 --> 00:47:20,630

populations it's sometimes even

1171

00:47:25,209 --> 00:47:22,939

necessary to water or fertilize the

1172

00:47:27,939 --> 00:47:25,219

target species during the hard times and

1173

00:47:29,889 --> 00:47:27,949

help it to survive in some areas in

1174

00:47:32,529 --> 00:47:29,899

order to preserve the biocontrol agents

1175

00:47:34,959 --> 00:47:32,539

numbers so that they're always there and

1176

00:47:37,059 --> 00:47:34,969

ready to breed back up and reinvest new

1177

00:47:38,799 --> 00:47:37,069

outbreaks when they happen this is a

1178

00:47:41,889 --> 00:47:38,809

good outcome biocontrol is not a

1179

00:47:44,109 --> 00:47:41,899

stand-alone method and it's only one of

1180

00:47:47,019 --> 00:47:44,119

multiple tools that can be used against

1181

00:47:48,939 --> 00:47:47,029

invasive species and if used right it

1182

00:47:51,009 --> 00:47:48,949

can be a significant weapon in a

1183

00:47:55,220 --> 00:47:51,019

multi-stage war against the ecological

1184

00:48:00,150 --> 00:47:58,109

so next time someone brings up cane

1185

00:48:02,849 --> 00:48:00,160

toads as their shining example of

1186

00:48:05,309 --> 00:48:02,859

houseplants goes wrong you can say well

1187

00:48:07,410 --> 00:48:05,319

actually and and show them that some

1188

00:48:09,599 --> 00:48:07,420

scientists have learned and grown a lot

1189

00:48:14,460 --> 00:48:09,609

since then and we're actually doing

1190

00:48:16,950 --> 00:48:14,470

pretty good just as a side note it's

1191

00:48:19,770 --> 00:48:16,960

interesting to consider that cane toad

1192

00:48:22,020 --> 00:48:19,780

is often brought up as the example of

1193

00:48:25,230 --> 00:48:22,030

bad ideas from the past and of invasive

1194

00:48:27,059 --> 00:48:25,240

species causing havoc and yet as far as

1195

00:48:29,910 --> 00:48:27,069

we can tell they're not actually

1196

00:48:31,950 --> 00:48:29,920

responsible for any extinctions most

1197

00:48:34,650 --> 00:48:31,960

native animal populations adapt pretty

1198

00:48:36,870 --> 00:48:34,660

quickly to their presence now compare

1199

00:48:39,569 --> 00:48:36,880

the public image of the cane toad to

1200

00:48:41,789 --> 00:48:39,579

that of the cat which is often

1201

00:48:43,079 --> 00:48:41,799

overlooked in these conversations and

1202

00:48:45,359 --> 00:48:43,089

you can see the difference that a pretty

1203

00:48:47,279 --> 00:48:45,369

face and a quirky personality can make

1204

00:49:00,779 --> 00:48:47,289

in persuading people not to pay

1205

00:49:03,359 --> 00:49:00,789

attention to the evidence hello on our

1206

00:49:05,430 --> 00:49:03,369

needle on solo swaths of dip mermans

1207

00:49:09,359 --> 00:49:05,440

been to an at low so now to skeptic zone

1208

00:49:13,109 --> 00:49:09,369

for weed to stop and Katy snide ANCA

1209

00:49:18,720 --> 00:49:13,119

a meeting from a Savannah we may be from

1210

00:49:18,730 --> 00:49:27,760

[Music]

1211

00:49:34,280 --> 00:49:30,260

thank you for listening to the skeptics

1212

00:49:36,710 --> 00:49:34,290

zone and well thank you to that person

1213

00:49:38,620 --> 00:49:36,720

who commented on the YouTube channel of

1214

00:49:40,730 --> 00:49:38,630

the skeptic zone for last week's episode

1215

00:49:42,920 --> 00:49:40,740

saying that they didn't listen to the

1216

00:49:45,530 --> 00:49:42,930

show because they couldn't listen to

1217

00:49:49,160 --> 00:49:45,540

those people at the paranormal

1218

00:49:51,320 --> 00:49:49,170

convention talking to Maynard well you

1219

00:49:54,350 --> 00:49:51,330

know what every once or twice every year

1220

00:49:56,690 --> 00:49:54,360

I'm going to probably run interviews

1221

00:49:59,390 --> 00:49:56,700

with believers so to speak people with a

1222

00:50:02,150 --> 00:49:59,400

completely different outlook people who

1223

00:50:04,820 --> 00:50:02,160

really do think UFOs or aliens visiting

1224

00:50:08,570 --> 00:50:04,830

us and conspiracies are real or crystals

1225

00:50:10,700 --> 00:50:08,580

can actually have power or no end of

1226
00:50:13,160 --> 00:50:10,710
nonsense because it's important that we

1227
00:50:15,620 --> 00:50:13,170
from time to time we hear what these

1228
00:50:17,180 --> 00:50:15,630
people have to say I've always taken

1229
00:50:20,780 --> 00:50:17,190
that approach and that's why I go to

1230
00:50:24,230 --> 00:50:20,790
mind body wallet and other Expos two

1231
00:50:25,820 --> 00:50:24,240
three four times a year to talk to these

1232
00:50:28,280 --> 00:50:25,830
people hear what they have to say and it

1233
00:50:30,320 --> 00:50:28,290
puts me in a much better position for

1234
00:50:34,420 --> 00:50:30,330
example many years ago I just assumed

1235
00:50:39,350 --> 00:50:34,430
that a lot of these people were lying

1236
00:50:44,060 --> 00:50:39,360
frauds fakes con artists out for a quick

1237
00:50:46,400 --> 00:50:44,070
buck but of course now I don't think

1238
00:50:48,770 --> 00:50:46,410

that at all I think some tiny percentage

1239

00:50:52,010 --> 00:50:48,780

are but most of the ones I've certainly

1240

00:50:53,690 --> 00:50:52,020

talked with and met our sincere and

1241

00:50:56,780 --> 00:50:53,700

genuine and they really do believe that

1242

00:50:59,630 --> 00:50:56,790

crystals have magical powers and you can

1243

00:51:02,420 --> 00:50:59,640

determine someone's fate by looking at

1244

00:51:05,180 --> 00:51:02,430

their handwriting or or as a real and

1245

00:51:07,070 --> 00:51:05,190

and on and on it goes but it's important

1246

00:51:09,140 --> 00:51:07,080

to know this thank you to those people

1247

00:51:11,660 --> 00:51:09,150

who recently have come on board with

1248

00:51:13,250 --> 00:51:11,670

patreon now as I've mentioned over the

1249

00:51:15,020 --> 00:51:13,260

last few months on the sceptic Zone the

1250

00:51:17,180 --> 00:51:15,030

Australian dollar is going down the

1251
00:51:19,070 --> 00:51:17,190
gurgler glug glug glug glug which means

1252
00:51:21,890 --> 00:51:19,080
any contribution you make in u.s.

1253
00:51:24,410 --> 00:51:21,900
dollars and patreon and there's a link

1254
00:51:28,490 --> 00:51:24,420
at skeptics on TV goes a lot further

1255
00:51:31,400 --> 00:51:28,500
here and I appreciate any contribution

1256
00:51:35,500 --> 00:51:31,410
some people even chip in a dollar a

1257
00:51:38,109 --> 00:51:35,510
month which adds up it really does

1258
00:51:40,839 --> 00:51:38,119
many people have decided to chip in five

1259
00:51:44,230 --> 00:51:40,849
or ten dollars a month and I thank you

1260
00:51:46,359 --> 00:51:44,240
very very much indeed it's money that

1261
00:51:48,460 --> 00:51:46,369
you won't miss ten dollars a month is

1262
00:51:50,230 --> 00:51:48,470
something that you'd scarcely notice but

1263
00:51:53,829 --> 00:51:50,240

it certainly adds up here at the skeptic

1264

00:51:56,500 --> 00:51:53,839

zone and congratulations to Maynard over

1265

00:51:56,819 --> 00:51:56,510

at planet Maynard over at Maynard comte

1266

00:51:59,319 --> 00:51:56,829

you

1267

00:52:03,039 --> 00:51:59,329

he and him Ferguson have just released

1268

00:52:04,480 --> 00:52:03,049

episode 50 of their podcast bunga bunga

1269

00:52:06,609 --> 00:52:04,490

do you feel like something completely

1270

00:52:09,849 --> 00:52:06,619

different of the skeptic zone head over

1271

00:52:14,170 --> 00:52:09,859

to Maynard comm dot a you and also I

1272

00:52:17,710 --> 00:52:14,180

hear that the 2019 Maynard calendar is

1273

00:52:19,359 --> 00:52:17,720

on its way coming up on next week's show

1274

00:52:22,150 --> 00:52:19,369

more from skeptic on including an

1275

00:52:24,519 --> 00:52:22,160

interview with Kate Brown who was our MC

1276

00:52:27,609 --> 00:52:24,529

she's going to be talking about consumer

1277

00:52:30,250 --> 00:52:27,619

activism and other things including the

1278

00:52:32,019 --> 00:52:30,260

pink tax but for this week

1279

00:52:38,980 --> 00:52:32,029

this is Richard Saunders signing off

1280

00:52:41,049 --> 00:52:38,990

from Sydney Australia you've been

1281

00:52:46,509 --> 00:52:41,059

listening to the skeptic zone podcast

1282

00:52:49,779 --> 00:52:46,519

please visit our website at WWE TV for

1283

00:52:53,279 --> 00:52:49,789

shownotes contacts and to access the bat

1284

00:52:55,960 --> 00:52:53,289

catalog of episodes going back to 2008

1285

00:52:59,259 --> 00:52:55,970

you can follow the skeptic zone podcast

1286

00:53:01,539 --> 00:52:59,269

on twitter at skeptic zone visit our

1287

00:53:02,400 --> 00:53:01,549

facebook page or leave a review on

1288

00:53:05,109 --> 00:53:02,410

itunes

1289

00:53:08,470 --> 00:53:05,119

you can also support the skeptic zone

1290

00:53:11,190 --> 00:53:08,480

via patreon or PayPal the skeptic zone

1291

00:53:13,569 --> 00:53:11,200

podcast is an independent production

1292

00:53:15,730 --> 00:53:13,579

reviews and opinions expressed on the

1293

00:53:18,069 --> 00:53:15,740

skeptic zone and not necessarily those

1294

00:53:19,850 --> 00:53:18,079

of Australian skeptics or any other

1295

00:53:31,140 --> 00:53:19,860

skeptical organisation

1296

00:53:39,250 --> 00:53:37,390

okay what's that noise okay I'm ending

1297

00:53:44,830 --> 00:53:39,260

it now we just wait here comes a cat

1298

00:53:46,960 --> 00:53:44,840

it's not it's the end of this show it's

1299

00:53:48,520 --> 00:53:46,970

okay that is the end of the show Susan

1300

00:53:50,740 --> 00:53:48,530

go Bex joining me here folks at the end

1301
00:53:52,270 --> 00:53:50,750
of the show with her cat another

1302
00:53:54,040 --> 00:53:52,280
skeptical cat on the other side of the

1303
00:53:56,010 --> 00:53:54,050
planet

1304
00:53:58,710 --> 00:53:56,020
oh good heavens

1305
00:54:01,330 --> 00:53:58,720
does that cat want dinner or something

1306
00:54:03,880 --> 00:54:01,340
he just wants attention attention

1307
00:54:05,890 --> 00:54:03,890
anyway Susan before me I have a ten

1308
00:54:07,780 --> 00:54:05,900
sided die folks at home and Susan over

1309
00:54:09,490 --> 00:54:07,790
there in California let's play along in

1310
00:54:12,310 --> 00:54:09,500
a moment I'm going to roll it so use

1311
00:54:14,920 --> 00:54:12,320
your use your mystical energies your

1312
00:54:18,790 --> 00:54:14,930
psychic prediction powers Susan what

1313
00:54:21,390 --> 00:54:18,800

number do you see coming up five okay

1314

00:54:28,180 --> 00:54:25,900

seven hmm let's try it again

1315

00:54:32,790 --> 00:54:28,190

use your prediction power everybody and

1316

00:54:34,930 --> 00:54:32,800

Susan what do you see five all right

1317

00:54:39,130 --> 00:54:34,940

don't fell off the table he always does

1318

00:54:42,610 --> 00:54:39,140

that all right folks this is not a setup

1319

00:54:44,800 --> 00:54:42,620

it's five yeah I should video this just

1320

00:54:47,370 --> 00:54:44,810

so everybody can see this is absolutely

1321

00:54:51,190 --> 00:54:47,380

honest this is not a setup seven five

1322

00:54:52,990 --> 00:54:51,200

okay Susan one more number I think it's

1323

00:54:55,210 --> 00:54:53,000

gonna be five again I think and I'll

1324

00:55:00,660 --> 00:54:55,220

give it a good rattle here we go

1325

00:55:04,600 --> 00:55:00,670

and the last number is one so folks

1326

00:55:07,120 --> 00:55:04,610

seven five and one and Susan got one out

1327

00:55:08,650 --> 00:55:07,130

of three well that's pretty good that's