

1
00:00:05,990 --> 00:00:13,690
welcome to the skeptic zone the podcast

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

3
00:00:22,390 --> 00:00:26,719
coming to you live from Canberra it's

4
00:00:24,589 --> 00:00:29,899
Richard Saunders hello and welcome to

5
00:00:26,719 --> 00:00:32,000
the skeptics are an episode number 266

6
00:00:29,899 --> 00:00:34,189
there's a secret code in there somewhere

7
00:00:32,000 --> 00:00:35,689
I'm sure coming to you live from the

8
00:00:34,189 --> 00:00:38,198
Australian skeptics National Convention

9
00:00:35,689 --> 00:00:42,920
in Canberra I'm here at a table with

10
00:00:38,198 --> 00:00:45,109
Maynard's here Amanda Jane and a bunch

11
00:00:42,920 --> 00:00:47,239
of biscuits and fantails and lots of

12
00:00:45,109 --> 00:00:48,920
noms and drinks and look that I find

13
00:00:47,238 --> 00:00:50,899
this room could particularly alarming

14
00:00:48,920 --> 00:00:52,850
Richard because I've actually managed to

15
00:00:50,899 --> 00:00:54,378
do the Oprah diet lately which means

16
00:00:52,850 --> 00:00:56,658
identical as know anything she says but

17
00:00:54,378 --> 00:00:58,099
one thing one thing Oprah's said that I

18
00:00:56,658 --> 00:00:59,478
thought was interesting which anyone can

19
00:00:58,100 --> 00:01:02,030
do and it's actually good dietary advice

20
00:00:59,478 --> 00:01:04,728
is fat bust your house don't have

21
00:01:02,030 --> 00:01:06,079
chocolate cakes cookies in it and so my

22
00:01:04,728 --> 00:01:07,700
house doesn't have any of this stuff so

23
00:01:06,079 --> 00:01:09,560
I don't eat it because all here yeah

24
00:01:07,700 --> 00:01:11,090
it's all here because the stuff that is

25
00:01:09,560 --> 00:01:12,439
actually here so I'm going oh my god

26
00:01:11,090 --> 00:01:13,700
this fantails though there's biscuits

27
00:01:12,438 --> 00:01:15,019
and things and most people are going

28
00:01:13,700 --> 00:01:16,909
argue their business pazham going

29

00:01:15,019 --> 00:01:19,688
foreign objects I don't see very often

30
00:01:16,909 --> 00:01:22,368
and we're in the green room yet which is

31
00:01:19,688 --> 00:01:24,678
greenish it's got a green wall over

32
00:01:22,368 --> 00:01:26,539
there it says place for speakers and

33
00:01:24,679 --> 00:01:27,978
other people to hide away and have a

34
00:01:26,539 --> 00:01:29,420
little rest between sessions but it's a

35
00:01:27,978 --> 00:01:31,578
great convention so far we're halfway

36
00:01:29,420 --> 00:01:33,259
through the first day lots of good talks

37
00:01:31,578 --> 00:01:36,258
we had a good night last night with the

38
00:01:33,259 --> 00:01:37,998
discovery after dark look and I have to

39
00:01:36,259 --> 00:01:40,728
congratulate the Canberra skeptics on

40
00:01:37,998 --> 00:01:43,280
putting a very cambron stamp on it here

41
00:01:40,728 --> 00:01:45,349
at the CSIRO and giving it a real flavor

42
00:01:43,280 --> 00:01:46,670
of the Australian Capital Territory I

43
00:01:45,349 --> 00:01:48,739

think they certainly have its our

44

00:01:46,670 --> 00:01:51,259

nation's capital we're actually in the

45

00:01:48,739 --> 00:01:54,259

suburb of action which is named after

46

00:01:51,259 --> 00:01:57,049

action Gough Whitlam who was a superhero

47

00:01:54,259 --> 00:01:59,659

in the 70s and I think soon we got

48

00:01:57,049 --> 00:02:02,270

friend dad that's right uranium that's

49

00:01:59,659 --> 00:02:03,950

right yes mobile phone is exciting it's

50

00:02:02,269 --> 00:02:05,688

exciting but coming up on this week's

51

00:02:03,950 --> 00:02:07,280

show which is equally exciting some bits

52

00:02:05,688 --> 00:02:08,959

about the conventions and little grabs

53

00:02:07,280 --> 00:02:10,879

and bits but coming over the next week's

54

00:02:08,959 --> 00:02:12,409

lots of our main and interviews of

55

00:02:10,879 --> 00:02:14,240

course and I take this opportunity to

56

00:02:12,409 --> 00:02:15,799

personally thank the listeners to the

57

00:02:14,240 --> 00:02:18,170

skeptic zone for pitching in and helping

58
00:02:15,800 --> 00:02:19,160
me get here I'm going to hope I can at

59
00:02:18,169 --> 00:02:21,530
least live up to her

60
00:02:19,159 --> 00:02:23,210
furyk expectations yes where we did

61
00:02:21,530 --> 00:02:25,729
actually get you a full mattress yeah

62
00:02:23,210 --> 00:02:27,140
it's great and let me tell you it hasn't

63
00:02:25,729 --> 00:02:29,840
got much use here but I've been having a

64
00:02:27,139 --> 00:02:32,299
lot of fun looking at it boo boo coming

65
00:02:29,840 --> 00:02:34,400
up this week so I talked to dr. Chris

66
00:02:32,300 --> 00:02:35,920
Peters from sense about science in the

67
00:02:34,400 --> 00:02:38,030
UK he's going to talk about their

68
00:02:35,919 --> 00:02:39,979
outreach which is asking for the

69
00:02:38,030 --> 00:02:42,439
evidence very important task for the

70
00:02:39,979 --> 00:02:44,119
evidence and after that after that we

71
00:02:42,439 --> 00:02:46,939
have an interview you conducted main art

72
00:02:44,120 --> 00:02:48,770
about UFOs that's right folks in the

73
00:02:46,939 --> 00:02:51,079
Hunter Valley and around the newcastle

74
00:02:48,770 --> 00:02:52,909
area there is actually a great UFO flap

75
00:02:51,080 --> 00:02:55,670
at the moment as the English would call

76
00:02:52,909 --> 00:02:57,020
it there's some hot spots I spoke to in

77
00:02:55,669 --> 00:02:58,939
kirkwood a journalist at the new council

78
00:02:57,020 --> 00:03:01,159
morning herald about the hot spots on

79
00:02:58,939 --> 00:03:02,780
the west side of Lake Macquarie and it

80
00:03:01,159 --> 00:03:05,150
seems like Gloucester now he's someone

81
00:03:02,780 --> 00:03:06,349
who's been collating UFO reports and

82
00:03:05,150 --> 00:03:07,340
he's actually got a few he couldn't talk

83
00:03:06,349 --> 00:03:08,930
about because they're going to be coming

84
00:03:07,340 --> 00:03:11,659
out in the Hills shortly so there's a

85
00:03:08,930 --> 00:03:13,849
UFO flap in newcastle at last at last

86

00:03:11,659 --> 00:03:16,039
and for our international listeners run

87
00:03:13,849 --> 00:03:17,960
to our your Maps program in Newcastle is

88
00:03:16,039 --> 00:03:20,659
just a little way north of Sydney that's

89
00:03:17,960 --> 00:03:22,730
right I used to live between you Carson

90
00:03:20,659 --> 00:03:24,650
Sydney I don't remember seeing many UFO

91
00:03:22,729 --> 00:03:26,840
oh there I think he might mention the

92
00:03:24,650 --> 00:03:28,610
famous a UFO incident where a UFO was

93
00:03:26,840 --> 00:03:30,740
reported hovering over a lake in the

94
00:03:28,610 --> 00:03:32,660
Central Coast that's between Sydney nuoc

95
00:03:30,740 --> 00:03:35,030
and sucking up some water that was me

96
00:03:32,659 --> 00:03:36,889
those after a party one night uh-huh

97
00:03:35,030 --> 00:03:38,300
following that we have a weakened

98
00:03:36,889 --> 00:03:40,039
science with dr. Paul Willis from the

99
00:03:38,300 --> 00:03:41,719
Royal Institution of Australia and dr.

100
00:03:40,039 --> 00:03:43,879

Paul Willis is here in fact that the

101

00:03:41,719 --> 00:03:45,830
convention are you I've seen him running

102

00:03:43,879 --> 00:03:47,629
around having a cup of tea yeah and look

103

00:03:45,830 --> 00:03:49,250
in fact everyone is here that's big in

104

00:03:47,629 --> 00:03:50,719
the skeptical movement I've seen plenty

105

00:03:49,250 --> 00:03:52,099
of people with dark glasses hiding

106

00:03:50,719 --> 00:03:53,359
behind cupboards it's been great yeah

107

00:03:52,099 --> 00:03:57,699
that was because of the party last night

108

00:03:53,360 --> 00:03:59,930
but where the man is wearing some

109

00:03:57,699 --> 00:04:02,000
sinister looking glasses but the

110

00:03:59,930 --> 00:04:03,830
convention i must say we were very happy

111

00:04:02,000 --> 00:04:07,009
it kicked off with a live appearance of

112

00:04:03,830 --> 00:04:08,989
james randi he did yet he turned up a

113

00:04:07,009 --> 00:04:10,609
via camera phone and it was very

114

00:04:08,989 --> 00:04:12,200
interesting indeed he showed us some of

115
00:04:10,610 --> 00:04:14,300
these stuff in his office it was great

116
00:04:12,199 --> 00:04:15,979
and he took the time out to make sure it

117
00:04:14,300 --> 00:04:18,590
all lined up we Skyped him and there he

118
00:04:15,979 --> 00:04:19,668
was and the delegates were very happy he

119
00:04:18,589 --> 00:04:21,108
looked like he'd just come back from a

120
00:04:19,668 --> 00:04:22,789
rave or something he looked at me look

121
00:04:21,108 --> 00:04:24,979
at me look a bit disheveled but I think

122
00:04:22,790 --> 00:04:27,160
you've been out partying you can't keep

123
00:04:24,980 --> 00:04:28,720
down James Randi done I do

124
00:04:27,160 --> 00:04:31,120
that's all coming up on this week's show

125
00:04:28,720 --> 00:04:33,040
what why don't we just sit back and

126
00:04:31,120 --> 00:04:34,689
while listeners are listening to the

127
00:04:33,040 --> 00:04:38,879
show I'm going to raid these biscuits

128
00:04:34,689 --> 00:04:38,879
and fantails I'm gonna take some home

129
00:04:59,959 --> 00:05:04,109
well one of the things that skeptics

130
00:05:02,100 --> 00:05:06,000
should do of course is asked for the

131
00:05:04,110 --> 00:05:08,430
evidence and in fact the motto of

132
00:05:06,000 --> 00:05:10,199
Australian skeptics is seek the evidence

133
00:05:08,430 --> 00:05:12,509
always a good thing for skeptics to try

134
00:05:10,199 --> 00:05:14,519
and do and encourage and on the line

135
00:05:12,509 --> 00:05:17,159
joining me from the UK I've got dr.

136
00:05:14,519 --> 00:05:19,229
Chris Peters from the sense about

137
00:05:17,160 --> 00:05:22,980
science campaign good evening or good

138
00:05:19,230 --> 00:05:24,840
morning Chris good evening rich it's

139
00:05:22,980 --> 00:05:26,069
nice as me that's good morning for me

140
00:05:24,839 --> 00:05:30,449
and good evening for you but that's the

141
00:05:26,069 --> 00:05:32,219
world we live in it did now you are

142
00:05:30,449 --> 00:05:34,259
you're involved the sense about science

143

00:05:32,220 --> 00:05:36,330
in fact a couple of years ago we

144
00:05:34,259 --> 00:05:37,620
interviewed dr. sheila lane from sense

145
00:05:36,329 --> 00:05:39,930
about science when was sort of

146
00:05:37,620 --> 00:05:42,870
relatively new but i wanted to find out

147
00:05:39,930 --> 00:05:46,110
more about the ask for evidence campaign

148
00:05:42,870 --> 00:05:48,120
what's that all about so ask for

149
00:05:46,110 --> 00:05:50,759
evidence is a campaign we've been kind

150
00:05:48,120 --> 00:05:53,389
of running quietly for about 12 or 18

151
00:05:50,759 --> 00:05:57,120
months now and it's basically

152
00:05:53,389 --> 00:05:59,639
encouraging members of the public to ask

153
00:05:57,120 --> 00:06:02,129
for the evidence behind claims that they

154
00:05:59,639 --> 00:06:06,509
come across whether it's in newspapers

155
00:06:02,129 --> 00:06:08,159
on adverts or you know their their

156
00:06:06,509 --> 00:06:10,769
politicians claims that they make in

157
00:06:08,160 --> 00:06:13,919

Parliament we want people to ask for the

158

00:06:10,769 --> 00:06:17,219

evidence because not only is it going to

159

00:06:13,918 --> 00:06:19,500

kind of empower people to kind of start

160

00:06:17,220 --> 00:06:21,570

a conversation about evidence what's

161

00:06:19,500 --> 00:06:24,329

what that all means but it's also going

162

00:06:21,569 --> 00:06:26,099

to hold individuals and organizations

163

00:06:24,329 --> 00:06:30,209

who are making these claims to account

164

00:06:26,100 --> 00:06:32,550

and so what we see as our kind of five

165

00:06:30,209 --> 00:06:35,579

year target is to really have this

166

00:06:32,550 --> 00:06:37,980

culture change where people expect to be

167

00:06:35,579 --> 00:06:40,979

asked for evidence and as a result they

168

00:06:37,980 --> 00:06:42,870

take precautions so that they actually

169

00:06:40,980 --> 00:06:45,000

do make sure their claims are

170

00:06:42,870 --> 00:06:47,009

evidence-based yes we see this quite a

171

00:06:45,000 --> 00:06:49,019

lot especially in media reports and

172
00:06:47,009 --> 00:06:51,930
press releases and from companies saying

173
00:06:49,019 --> 00:06:54,389
scientific research shows or studies

174
00:06:51,930 --> 00:06:56,610
indicate or this product has been

175
00:06:54,389 --> 00:06:58,349
scientifically tested which all sounds

176
00:06:56,610 --> 00:07:01,528
very impressive but quite often it's

177
00:06:58,350 --> 00:07:04,289
it's rather hollow isn't it

178
00:07:01,528 --> 00:07:05,699
exactly exactly I mean we've been kind

179
00:07:04,288 --> 00:07:06,838
of you know different members of the

180
00:07:05,699 --> 00:07:08,669
public have gone out and asked for

181
00:07:06,838 --> 00:07:10,728
evidence behind you know various claims

182
00:07:08,668 --> 00:07:13,288
and it's been really interesting to see

183
00:07:10,728 --> 00:07:15,538
what they've come back with so there's

184
00:07:13,288 --> 00:07:18,238
there's a few examples where someone

185
00:07:15,538 --> 00:07:20,428
asked for evidence behind a detox drink

186
00:07:18,238 --> 00:07:23,758
and of course there was absolutely no

187
00:07:20,428 --> 00:07:25,498
evidence that this drink indeed there

188
00:07:23,759 --> 00:07:27,929
you know did anything on the lines of

189
00:07:25,499 --> 00:07:30,179
detoxification which has quite a narrow

190
00:07:27,928 --> 00:07:32,938
scientific meaning so there's lots of

191
00:07:30,178 --> 00:07:37,138
examples out there of claims that are

192
00:07:32,939 --> 00:07:40,829
based on pseudoscience and are there to

193
00:07:37,139 --> 00:07:42,778
capture the unwary consumer absolutely

194
00:07:40,829 --> 00:07:45,269
and I think that's very important that

195
00:07:42,778 --> 00:07:46,918
consumers are protected I mean it's it's

196
00:07:45,269 --> 00:07:50,119
all very well saying let the buyer

197
00:07:46,918 --> 00:07:52,918
beware but the buyer needs to be given

198
00:07:50,119 --> 00:07:55,409
the right information so they can be

199
00:07:52,918 --> 00:07:57,838
fully informed and again it comes down

200

00:07:55,408 --> 00:08:00,688
to people throwing around scientific

201
00:07:57,838 --> 00:08:03,689
words and terminology and things like

202
00:08:00,689 --> 00:08:06,239
that in order to impress people too well

203
00:08:03,689 --> 00:08:08,759
what quite frankly turn out to be

204
00:08:06,238 --> 00:08:11,518
vacuous claims how long have you been

205
00:08:08,759 --> 00:08:13,110
involved with this particular project so

206
00:08:11,519 --> 00:08:17,610
I've been involved for just over a year

207
00:08:13,110 --> 00:08:19,259
now and we've really seen over this time

208
00:08:17,610 --> 00:08:21,778
that it doesn't take very many people

209
00:08:19,259 --> 00:08:24,059
asking to really kind of make a

210
00:08:21,778 --> 00:08:26,129
difference and that's why we're really

211
00:08:24,059 --> 00:08:28,860
keen to kind of expand the campaign

212
00:08:26,129 --> 00:08:30,299
again more and more people asking and we

213
00:08:28,860 --> 00:08:32,699
really think that kind of skeptic

214
00:08:30,298 --> 00:08:34,708

organizations should be kind of at the

215

00:08:32,698 --> 00:08:36,628

forefront about this because like you

216

00:08:34,708 --> 00:08:38,369

say people are already seeking the

217

00:08:36,629 --> 00:08:39,930

evidence but the more people that do it

218

00:08:38,370 --> 00:08:41,788

the more people that know about the

219

00:08:39,929 --> 00:08:44,969

campaign the more the kind of ask for

220

00:08:41,788 --> 00:08:48,750

evidence mantra kind of permeates

221

00:08:44,970 --> 00:08:51,329

through society and you know the more

222

00:08:48,750 --> 00:08:52,620

people expect and the more people expect

223

00:08:51,328 --> 00:08:54,599

to be asked that's what we're really

224

00:08:52,620 --> 00:09:09,959

asking and I see looking at your website

225

00:08:54,600 --> 00:09:13,620

which is www.hyken.com the embarrassing

226

00:09:09,958 --> 00:09:15,299

body show yeah it did we've got quite a

227

00:09:13,620 --> 00:09:18,120

list of you know high

228

00:09:15,299 --> 00:09:20,519

public figures who basically said they

229
00:09:18,120 --> 00:09:23,490
really support the campaign and they're

230
00:09:20,519 --> 00:09:25,709
really keen for it to kind of go on and

231
00:09:23,490 --> 00:09:27,060
become this all-consuming thing that

232
00:09:25,708 --> 00:09:29,129
we're we're hoping it can really you

233
00:09:27,059 --> 00:09:31,319
know make a culture change one of the

234
00:09:29,129 --> 00:09:34,950
things that we're really keen to to help

235
00:09:31,320 --> 00:09:37,950
with here is that asking for evidence is

236
00:09:34,950 --> 00:09:39,420
often only half the story often it's a

237
00:09:37,950 --> 00:09:41,339
case of helping them understand the

238
00:09:39,419 --> 00:09:43,919
evidence so we had an example where

239
00:09:41,339 --> 00:09:47,100
someone asked for the evidence behind an

240
00:09:43,919 --> 00:09:48,929
energy drink and the claims that you

241
00:09:47,100 --> 00:09:51,290
know this improves athletic performance

242
00:09:48,929 --> 00:09:54,149
you know more than water for example and

243
00:09:51,289 --> 00:09:57,088
they were sent in return something like

244
00:09:54,149 --> 00:09:58,980
a hundred scientific papers now for most

245
00:09:57,089 --> 00:10:01,320
most people that would be the end of the

246
00:09:58,980 --> 00:10:04,740
conversation they don't have the time or

247
00:10:01,320 --> 00:10:07,589
the kind of training to go through these

248
00:10:04,740 --> 00:10:08,850
papers and under in a be able to tell

249
00:10:07,589 --> 00:10:11,130
whether what they've been said is

250
00:10:08,850 --> 00:10:13,620
actually an acceptable amount of

251
00:10:11,129 --> 00:10:15,570
evidence or even they might look at it

252
00:10:13,620 --> 00:10:17,970
and think oh this science what older

253
00:10:15,570 --> 00:10:19,500
claim must be correct so we were able to

254
00:10:17,970 --> 00:10:22,230
kind of get in touch with scientists

255
00:10:19,500 --> 00:10:24,389
familiar with that field and put them in

256
00:10:22,230 --> 00:10:26,159
contact with the person you've made the

257

00:10:24,389 --> 00:10:28,649
ask for evidence request to begin with

258
00:10:26,159 --> 00:10:31,980
and kind of give them a steer on whether

259
00:10:28,649 --> 00:10:33,600
the evidence stood up to scientific

260
00:10:31,980 --> 00:10:35,250
rigor you know were the papers

261
00:10:33,600 --> 00:10:37,680
peer-reviewed for example is a good

262
00:10:35,250 --> 00:10:39,389
question to ask that's a very good point

263
00:10:37,679 --> 00:10:41,489
because there's an old technique which

264
00:10:39,389 --> 00:10:43,379
you've probably heard called Gish

265
00:10:41,490 --> 00:10:45,539
galloping as where you flood your

266
00:10:43,379 --> 00:10:49,289
opposition with so many references and

267
00:10:45,539 --> 00:10:52,528
papers and points of view or science

268
00:10:49,289 --> 00:10:53,730
so-called scientific references and

269
00:10:52,528 --> 00:10:56,370
things like that that they're

270
00:10:53,730 --> 00:10:57,750
floundering this is a technique using

271
00:10:56,370 --> 00:10:59,970

debating where you just flood your

272

00:10:57,750 --> 00:11:02,009

opponent with with endless things that

273

00:10:59,970 --> 00:11:04,740

they cannot possibly refute in the time

274

00:11:02,009 --> 00:11:07,078

allocated so it's sort of a cousin to

275

00:11:04,740 --> 00:11:09,560

that I suppose when when you're flooded

276

00:11:07,078 --> 00:11:13,289

with information that you probably can't

277

00:11:09,559 --> 00:11:16,259

adequately comprehend yeah sounds very

278

00:11:13,289 --> 00:11:18,559

similar sense about science the charity

279

00:11:16,259 --> 00:11:22,069

we've been around for about 10 years and

280

00:11:18,559 --> 00:11:24,958

we've kind of built up a database of

281

00:11:22,070 --> 00:11:26,520

scientists expert specialists and we've

282

00:11:24,958 --> 00:11:28,859

got about 6,000 of them

283

00:11:26,519 --> 00:11:30,419

and so we've got a really strong kind of

284

00:11:28,860 --> 00:11:32,820

group of people that we can go to to

285

00:11:30,419 --> 00:11:36,329

help you don't understand evidence so in

286
00:11:32,820 --> 00:11:39,030
whether it's a claim about Wi-Fi causing

287
00:11:36,330 --> 00:11:42,900
cancer or you know baby's bottles

288
00:11:39,029 --> 00:11:45,029
causing who knows what we've got people

289
00:11:42,899 --> 00:11:47,549
up there who were willing to stand up

290
00:11:45,029 --> 00:11:49,259
for their science kind of give us what

291
00:11:47,549 --> 00:11:51,599
the body of evidence says rather than

292
00:11:49,259 --> 00:11:54,149
perhaps in this case isolated studies

293
00:11:51,600 --> 00:11:57,720
which may or may not be you know

294
00:11:54,149 --> 00:11:59,279
adequate you get many inquiries from the

295
00:11:57,720 --> 00:12:01,490
general public who were maybe a little

296
00:11:59,279 --> 00:12:05,669
bit confused or wanting to know more

297
00:12:01,490 --> 00:12:07,289
yeah we really do I mean a lot of it is

298
00:12:05,669 --> 00:12:08,759
our kind of supporters who we've been

299
00:12:07,289 --> 00:12:12,599
involved with over the years who are

300
00:12:08,759 --> 00:12:15,509
often you know scientists or you know on

301
00:12:12,600 --> 00:12:17,159
road to becoming scientists but we've

302
00:12:15,509 --> 00:12:19,409
seen more and more over the last year

303
00:12:17,159 --> 00:12:21,240
you know friends of theirs kind of one

304
00:12:19,409 --> 00:12:24,209
step removed kind of those kind of

305
00:12:21,240 --> 00:12:25,680
people asking so it's it's definitely a

306
00:12:24,210 --> 00:12:28,139
case of the general public are getting

307
00:12:25,679 --> 00:12:29,489
in touch and beginning to kind of take

308
00:12:28,139 --> 00:12:31,080
on the message of the campaign but what

309
00:12:29,490 --> 00:12:33,960
we really need to do is promote it and

310
00:12:31,080 --> 00:12:36,570
get it further out there I think that's

311
00:12:33,960 --> 00:12:38,550
a very very good idea the more

312
00:12:36,570 --> 00:12:41,430
information that the general public can

313
00:12:38,549 --> 00:12:42,659
receive and even people like like me you

314

00:12:41,429 --> 00:12:45,209
know wanting to find out some more

315
00:12:42,659 --> 00:12:47,579
decent information it's always nice to

316
00:12:45,210 --> 00:12:52,379
have more resources so the website again

317
00:12:47,580 --> 00:12:54,780
is ww sense about science org but

318
00:12:52,379 --> 00:12:56,549
there's also a twitter feed and I

319
00:12:54,779 --> 00:12:59,309
imagine there's a Facebook page is that

320
00:12:56,549 --> 00:13:01,769
right yep sense about science has got a

321
00:12:59,309 --> 00:13:04,169
twitter handle its sense about sigh and

322
00:13:01,769 --> 00:13:05,429
we've also got a facebook page and if

323
00:13:04,169 --> 00:13:09,120
you're going to be tweeting about ask

324
00:13:05,429 --> 00:13:10,769
for evidence use the hashtag ask for

325
00:13:09,120 --> 00:13:12,179
evidence and if you go on the sense

326
00:13:10,769 --> 00:13:13,620
about science website you'll be able to

327
00:13:12,179 --> 00:13:15,419
find the ask for evidence pages where

328
00:13:13,620 --> 00:13:17,519

you can see you know example there's

329

00:13:15,419 --> 00:13:18,959
about 70 or so examples of them

330

00:13:17,519 --> 00:13:21,110
different people you've gone out there

331

00:13:18,960 --> 00:13:24,930
and ask for evidence behind things like

332

00:13:21,110 --> 00:13:26,460
hangover prevention patches or even

333

00:13:24,929 --> 00:13:30,089
thinks that you know politicians are

334

00:13:26,460 --> 00:13:31,500
said in it parliaments that's great yes

335

00:13:30,090 --> 00:13:34,080
i'm just having a quick look at it now

336

00:13:31,500 --> 00:13:35,639
there's all the information the twitter

337

00:13:34,080 --> 00:13:39,370
which everybody should follow since

338

00:13:35,639 --> 00:13:41,860
about sigh as CI using the hashtag

339

00:13:39,370 --> 00:13:44,200
ask for evidence so people can put that

340

00:13:41,860 --> 00:13:46,870
in put their question in there put the

341

00:13:44,200 --> 00:13:48,400
hashtag in and that will come to your

342

00:13:46,870 --> 00:13:51,370
attention I think that's a wonderful

343
00:13:48,399 --> 00:13:53,139
thing well Chris thanks very much for

344
00:13:51,370 --> 00:13:54,850
spending some time to talk about sense

345
00:13:53,139 --> 00:13:56,049
about science with the skeptic zone it's

346
00:13:54,850 --> 00:13:58,600
good to catch up with sense about

347
00:13:56,049 --> 00:14:00,699
science because it's been a couple of

348
00:13:58,600 --> 00:14:03,190
years since we found out what was

349
00:14:00,700 --> 00:14:06,339
happening and I hope we can chat soon

350
00:14:03,190 --> 00:14:07,750
about the any progress great yes you

351
00:14:06,339 --> 00:14:09,490
could stand we've got lots more to talk

352
00:14:07,750 --> 00:14:23,919
about so open up so we can do something

353
00:14:09,490 --> 00:14:26,259
a teacher thanks Chris hi this is Tim

354
00:14:23,919 --> 00:14:29,199
Farley you probably know me from what's

355
00:14:26,259 --> 00:14:31,360
the harm net a catalog of the real world

356
00:14:29,200 --> 00:14:35,080
harm caused by lack of critical thinking

357
00:14:31,360 --> 00:14:38,289
but that's not my only project i present

358
00:14:35,080 --> 00:14:40,570
at skeptic events I post a daily skeptic

359
00:14:38,289 --> 00:14:43,389
history fact on Twitter and Facebook and

360
00:14:40,570 --> 00:14:46,510
I blog about using new techniques on the

361
00:14:43,389 --> 00:14:49,838
internet to advance skepticism come over

362
00:14:46,509 --> 00:14:53,110
to skept tools com and check out my

363
00:14:49,839 --> 00:14:56,010
latest ideas but first enjoy the rest of

364
00:14:53,110 --> 00:14:56,009
the skeptic zone

365
00:14:57,820 --> 00:15:05,020
here's Maynard spooky action at a

366
00:15:02,509 --> 00:15:05,019
distance

367
00:15:05,340 --> 00:15:10,139
I'm here in interrogation room number

368
00:15:08,159 --> 00:15:11,969
two in Bolton Street of the Newcastle

369
00:15:10,139 --> 00:15:14,100
Herald well oddly enough Lee Harvey

370
00:15:11,970 --> 00:15:16,350
Oswald was held briefly 50 years ago

371

00:15:14,100 --> 00:15:18,420
they didn't find out a sting this month

372
00:15:16,350 --> 00:15:20,430
and i'm here with in kirkwood hi n how

373
00:15:18,419 --> 00:15:21,719
are you I'm well thanks Mona now but how

374
00:15:20,429 --> 00:15:23,309
many years you been writing for The

375
00:15:21,720 --> 00:15:26,550
Herald I started here as a cadet

376
00:15:23,309 --> 00:15:28,589
journalist at the age of 27 in 1987 so a

377
00:15:26,549 --> 00:15:30,120
bit longer than I'd expected but it's a

378
00:15:28,590 --> 00:15:32,040
lovely job I get paid to watch the world

379
00:15:30,120 --> 00:15:34,019
go by and I'm quite happy doing what I

380
00:15:32,039 --> 00:15:36,509
do and in the reason I'm talking to is

381
00:15:34,019 --> 00:15:38,970
because we are currently experiencing a

382
00:15:36,509 --> 00:15:41,490
minor UFO flap in the hunter and

383
00:15:38,970 --> 00:15:43,320
Newcastle so it would appear we were

384
00:15:41,490 --> 00:15:44,700
sent the wonderful world of the Internet

385
00:15:43,320 --> 00:15:46,440

means that the herald mother news

386

00:15:44,700 --> 00:15:48,360

organizations like yourself can be sent

387

00:15:46,440 --> 00:15:50,640

all sorts of weird and wonderful things

388

00:15:48,360 --> 00:15:52,769

from the public two weekends ago we were

389

00:15:50,639 --> 00:15:55,830

sent some photographs taken by a family

390

00:15:52,769 --> 00:15:58,139

at Belmont going coming home after a

391

00:15:55,830 --> 00:16:00,480

meal on the Friday night of an object

392

00:15:58,139 --> 00:16:02,610

that they watched a blue sphere very

393

00:16:00,480 --> 00:16:05,220

bright blue sphere turning from blue to

394

00:16:02,610 --> 00:16:08,190

red and flying and hanging in the sky

395

00:16:05,220 --> 00:16:09,540

traveling around unusual patterns they

396

00:16:08,190 --> 00:16:12,960

took some photographs of them they

397

00:16:09,539 --> 00:16:14,669

emailed the photographs that was Lee

398

00:16:12,960 --> 00:16:18,090

Harvey Oswald they took sensing

399

00:16:14,669 --> 00:16:20,939

photographs to the Herald witch two days

400
00:16:18,090 --> 00:16:23,580
later on the Tuesday i looked at blew up

401
00:16:20,940 --> 00:16:25,680
on our screen and the color wasn't there

402
00:16:23,580 --> 00:16:28,259
but the amazing thing was that in one of

403
00:16:25,679 --> 00:16:30,959
them the single life that you saw on the

404
00:16:28,259 --> 00:16:34,169
other iphone picture broke up into five

405
00:16:30,960 --> 00:16:36,780
or six different spots of light in what

406
00:16:34,169 --> 00:16:40,439
looked to me to be a boomerang or the

407
00:16:36,779 --> 00:16:41,309
front of a wedge shape and to me that

408
00:16:40,440 --> 00:16:42,720
was you know it was something that was

409
00:16:41,309 --> 00:16:45,750
unusual it certainly wasn't a normal

410
00:16:42,720 --> 00:16:48,860
airplane spoke to the people that took

411
00:16:45,750 --> 00:16:51,389
the photograph wrote a story from there

412
00:16:48,860 --> 00:16:54,480
and not only was i contacted by people

413
00:16:51,389 --> 00:16:56,429
that emailed me but the Herald's

414
00:16:54,480 --> 00:16:58,590
facebook page lit up with hundreds and

415
00:16:56,429 --> 00:17:00,859
hundreds of comments some of them

416
00:16:58,590 --> 00:17:03,389
derisive as you'd imagine some of them

417
00:17:00,860 --> 00:17:05,459
you know positive some negative but also

418
00:17:03,389 --> 00:17:07,230
through that we were then sent other

419
00:17:05,459 --> 00:17:09,900
material which we've continued to

420
00:17:07,230 --> 00:17:13,079
investigate now one of those was a video

421
00:17:09,900 --> 00:17:17,130
taken by a Belmont man on the last day

422
00:17:13,079 --> 00:17:18,639
of a sep tember looking in a similar

423
00:17:17,130 --> 00:17:20,829
direction to the person to

424
00:17:18,640 --> 00:17:23,410
later took the photos that they kicked

425
00:17:20,828 --> 00:17:24,759
all this off so this man I mean by Nova

426
00:17:23,410 --> 00:17:27,550
Tom and his surname it eludes me at the

427
00:17:24,759 --> 00:17:29,680
moment took a video from his virender in

428

00:17:27,549 --> 00:17:31,899
Belmont Street basically behind the gun

429
00:17:29,680 --> 00:17:34,360
your hotel looking west then when you

430
00:17:31,900 --> 00:17:35,650
look at this video it's on YouTube and I

431
00:17:34,359 --> 00:17:37,990
think we can probably provide a link for

432
00:17:35,650 --> 00:17:39,940
you you can see the blue light hanging

433
00:17:37,990 --> 00:17:42,849
and once against the blue sphere hang in

434
00:17:39,940 --> 00:17:44,559
the sky seems to be station being

435
00:17:42,849 --> 00:17:46,000
stationary he moves the camera in and

436
00:17:44,559 --> 00:17:47,619
out and I bring it forward and back and

437
00:17:46,000 --> 00:17:49,750
then the light starts to move and you

438
00:17:47,619 --> 00:17:51,879
can quite clearly see it move because

439
00:17:49,750 --> 00:17:53,529
you've got stationary lights from the

440
00:17:51,880 --> 00:17:55,750
western side of Lake Macquarie at the

441
00:17:53,529 --> 00:17:57,549
bottom of the frame and this light moves

442
00:17:55,750 --> 00:17:59,500

you don't get a lot of depth in the

443

00:17:57,549 --> 00:18:04,210

picture so it was interesting enough

444

00:17:59,500 --> 00:18:07,480

when I then tracked him down what he saw

445

00:18:04,210 --> 00:18:09,250

was a light that had flown in as far as

446

00:18:07,480 --> 00:18:12,460

he was concerned had flown in from the

447

00:18:09,250 --> 00:18:14,559

west of the lake had flown over where he

448

00:18:12,460 --> 00:18:16,299

was at Belmont had flown down to the

449

00:18:14,559 --> 00:18:18,940

south of him towards blacksmiths beach

450

00:18:16,299 --> 00:18:24,849

and then had shot back west over the

451

00:18:18,940 --> 00:18:26,559

lake again and that's a horse and Andy

452

00:18:24,849 --> 00:18:28,750

when you listen to this video you'll see

453

00:18:26,559 --> 00:18:30,039

people talking and there it's clearly

454

00:18:28,750 --> 00:18:31,059

not the first time they've seen it

455

00:18:30,039 --> 00:18:32,319

because they're saying well this you

456

00:18:31,059 --> 00:18:35,200

know this is what your father saw the

457
00:18:32,319 --> 00:18:37,299
other night so we've now had two

458
00:18:35,200 --> 00:18:38,740
sightings of this blue spherical object

459
00:18:37,299 --> 00:18:41,710
and it also changed color so it goes

460
00:18:38,740 --> 00:18:44,049
from blue to red and it's clearly

461
00:18:41,710 --> 00:18:46,750
traveling in a way that it stops and

462
00:18:44,049 --> 00:18:49,569
starts and flies in not an aeroplane

463
00:18:46,750 --> 00:18:51,099
type fashion any chance of being some

464
00:18:49,569 --> 00:18:52,990
sort of remote vehicle or some sort of

465
00:18:51,099 --> 00:18:54,879
remote toils I know that you know it

466
00:18:52,990 --> 00:18:56,500
could be and people have written in that

467
00:18:54,880 --> 00:18:58,390
sort of suggestion and I think without

468
00:18:56,500 --> 00:18:59,410
some sort of detail analysis at the film

469
00:18:58,390 --> 00:19:03,100
you've got to say well that's quite a

470
00:18:59,410 --> 00:19:05,440
possibility but my looking at it is that

471
00:19:03,099 --> 00:19:07,029
it doesn't appear to be moving I mean to

472
00:19:05,440 --> 00:19:09,549
travel such a distance that I would sort

473
00:19:07,029 --> 00:19:10,869
of discount that sort of thing and yes

474
00:19:09,549 --> 00:19:12,519
you could have a you know a little

475
00:19:10,869 --> 00:19:14,949
gyrocopters up there something like that

476
00:19:12,519 --> 00:19:16,900
but this was an intense blue light that

477
00:19:14,950 --> 00:19:18,250
looks you know it's something the size

478
00:19:16,900 --> 00:19:20,050
of a helicopter or something it's not

479
00:19:18,250 --> 00:19:22,480
small you know so i would say probably

480
00:19:20,049 --> 00:19:23,470
not and in what way does the publicity

481
00:19:22,480 --> 00:19:24,970
from the paper

482
00:19:23,470 --> 00:19:27,159
another than media outlets in areas

483
00:19:24,970 --> 00:19:28,150
drive these people to come out the

484
00:19:27,159 --> 00:19:29,620
woodwork do you think people are always

485

00:19:28,150 --> 00:19:31,059
seeing these things all the time and

486
00:19:29,619 --> 00:19:33,009
when something like this comes up they

487
00:19:31,058 --> 00:19:35,139
contact you or you giving it the

488
00:19:33,009 --> 00:19:38,379
publicity makes people go looking more I

489
00:19:35,140 --> 00:19:39,460
think it's the former I yeah there's

490
00:19:38,380 --> 00:19:41,169
obviously when something like this

491
00:19:39,460 --> 00:19:43,029
happens people write in and then you

492
00:19:41,169 --> 00:19:44,259
then look at see whether things that are

493
00:19:43,029 --> 00:19:45,879
being sent to you and newsworthy and so

494
00:19:44,259 --> 00:19:47,890
you keep the story going if you like and

495
00:19:45,880 --> 00:19:50,440
I wrote three stories last week plus a

496
00:19:47,890 --> 00:19:52,890
column on it the third story I went

497
00:19:50,440 --> 00:19:54,970
looking for people both in the straight

498
00:19:52,890 --> 00:19:58,179
Meteorological Society if you like and

499
00:19:54,970 --> 00:19:59,860

also in the UFO community and a person

500

00:19:58,179 --> 00:20:02,409

from Queensland that I spoke to from the

501

00:19:59,859 --> 00:20:04,509

UFO community said you know what writing

502

00:20:02,409 --> 00:20:08,260

about this does in mainstream media is

503

00:20:04,509 --> 00:20:09,970

that it empowers people to speak up in a

504

00:20:08,259 --> 00:20:11,740

way that they wouldn't otherwise because

505

00:20:09,970 --> 00:20:13,509

they can see it makes it makes it

506

00:20:11,740 --> 00:20:15,190

legitimate it's being treated seriously

507

00:20:13,509 --> 00:20:19,288

and they're not going to be ridiculed

508

00:20:15,190 --> 00:20:21,788

for it so look I've received a number of

509

00:20:19,288 --> 00:20:23,259

emails from people who've given me

510

00:20:21,788 --> 00:20:25,089

contact detail some of them are sent me

511

00:20:23,259 --> 00:20:26,859

photographs that I can't explain at the

512

00:20:25,089 --> 00:20:28,178

moment but rather than put them up

513

00:20:26,859 --> 00:20:29,769

immediately without looking at them

514
00:20:28,179 --> 00:20:32,380
having them ridiculed I'm your dual bit

515
00:20:29,769 --> 00:20:35,259
more research this time also if you look

516
00:20:32,380 --> 00:20:36,970
at the Herald Facebook page you'll see

517
00:20:35,259 --> 00:20:38,048
people that are written in there you

518
00:20:36,970 --> 00:20:39,279
know they put their names and their

519
00:20:38,048 --> 00:20:40,720
phone numbers there and they've said

520
00:20:39,279 --> 00:20:43,389
look please you don't speak to us we've

521
00:20:40,720 --> 00:20:44,860
seen similar sorts of things are you

522
00:20:43,390 --> 00:20:45,970
going to get some photographic experts

523
00:20:44,859 --> 00:20:47,918
to have a look at these photos and

524
00:20:45,970 --> 00:20:49,450
videos look i have i have actually

525
00:20:47,919 --> 00:20:51,220
really wait what we're going to do yet I

526
00:20:49,450 --> 00:20:52,690
mean unfortunately this is really you

527
00:20:51,220 --> 00:20:54,279
know it's a sideline to medallion work

528
00:20:52,690 --> 00:20:56,169
which is usually perhaps a bit more

529
00:20:54,279 --> 00:20:58,329
serious on mainstream issues in this so

530
00:20:56,169 --> 00:20:59,650
I've got to do a fair bit of a mountain

531
00:20:58,329 --> 00:21:01,480
time but actually actually as a

532
00:20:59,650 --> 00:21:03,159
journalist it is it a bit of a worry

533
00:21:01,480 --> 00:21:04,839
feeder to do these things because it's

534
00:21:03,159 --> 00:21:06,669
somehow you lose some credibility by

535
00:21:04,839 --> 00:21:07,928
touching these items I know that happens

536
00:21:06,669 --> 00:21:10,659
to me that I have that problem anyway

537
00:21:07,929 --> 00:21:12,370
well if it if it does no one's said

538
00:21:10,659 --> 00:21:14,260
anything to me and I'd like to think not

539
00:21:12,369 --> 00:21:16,178
but yeah I think there will always be

540
00:21:14,259 --> 00:21:18,640
those people that ridicule these sorts

541
00:21:16,179 --> 00:21:21,038
of things my without straying too much

542

00:21:18,640 --> 00:21:23,590
into my family life my own wife is very

543
00:21:21,038 --> 00:21:25,240
much an empiricist if she can't see a

544
00:21:23,589 --> 00:21:27,730
mathematical equation for something she

545
00:21:25,240 --> 00:21:29,798
doesn't know John skeptics you said

546
00:21:27,730 --> 00:21:32,769
searches for to the audience she says to

547
00:21:29,798 --> 00:21:35,379
me that my interest in this is a bit

548
00:21:32,769 --> 00:21:36,429
like a religious experience where we're

549
00:21:35,380 --> 00:21:37,749
all so

550
00:21:36,429 --> 00:21:39,970
in one way or another for something that

551
00:21:37,749 --> 00:21:41,048
validates our lives now I haven't

552
00:21:39,970 --> 00:21:42,399
stopped to think about that until she

553
00:21:41,048 --> 00:21:44,499
mentioned it recently and I think

554
00:21:42,398 --> 00:21:46,148
there's possibly an element of that in

555
00:21:44,499 --> 00:21:50,819
what I'm doing and what other people are

556
00:21:46,148 --> 00:21:54,038

doing but I've long believed that a

557

00:21:50,819 --> 00:21:55,749

universe that is supposedly 13 billion

558

00:21:54,038 --> 00:22:00,398

years old that is 13 billion light-years

559

00:21:55,749 --> 00:22:02,558

across that has an simply uncountable

560

00:22:00,398 --> 00:22:05,048

number of billions of planetary systems

561

00:22:02,558 --> 00:22:08,168

and galaxies we cannot be the only

562

00:22:05,048 --> 00:22:09,730

living thing now the conventional answer

563

00:22:08,169 --> 00:22:12,278

to that is yes we may not be but the

564

00:22:09,730 --> 00:22:13,599

distances between the unep arts of the

565

00:22:12,278 --> 00:22:15,269

universe are so great that you can't

566

00:22:13,599 --> 00:22:18,459

physically travel there in a lifetime

567

00:22:15,269 --> 00:22:20,589

but the answer to that of you listen to

568

00:22:18,460 --> 00:22:22,509

UF own law is that these people these

569

00:22:20,589 --> 00:22:24,128

beings have already found a way to

570

00:22:22,509 --> 00:22:27,038

travel through those dimensional you

571
00:22:24,128 --> 00:22:28,808
know issues or if you look at the scale

572
00:22:27,038 --> 00:22:30,819
of things what we think to be a long

573
00:22:28,808 --> 00:22:32,288
time you know might not be a long time

574
00:22:30,819 --> 00:22:33,849
in the same way that I don't suppose a

575
00:22:32,288 --> 00:22:35,528
fly realizes these are live for two

576
00:22:33,849 --> 00:22:38,109
weeks and dies you know that's a long

577
00:22:35,528 --> 00:22:40,179
time for him myself now in where was the

578
00:22:38,109 --> 00:22:42,069
hot spot where is the portal for these

579
00:22:40,179 --> 00:22:43,330
sightings in the hunter is is there one

580
00:22:42,069 --> 00:22:46,028
that you're more likely to sound unusual

581
00:22:43,329 --> 00:22:48,490
things in the sky than anywhere else no

582
00:22:46,028 --> 00:22:49,808
I don't think so but I that the

583
00:22:48,490 --> 00:22:52,388
sightings that have come up a lot of

584
00:22:49,808 --> 00:22:55,329
them do sin to be in Lake Macquarie the

585
00:22:52,388 --> 00:22:57,908
other area is north of you up towards

586
00:22:55,329 --> 00:22:59,769
Gloucester I've located a few more

587
00:22:57,909 --> 00:23:01,778
sightings up there that I can't quite

588
00:22:59,769 --> 00:23:04,359
share with you yet but their and their

589
00:23:01,778 --> 00:23:05,798
sightings that supposedly Williamtown

590
00:23:04,359 --> 00:23:08,288
air base has been involved with as well

591
00:23:05,798 --> 00:23:09,548
allegedly scrambling jets now they we've

592
00:23:08,288 --> 00:23:11,019
put these questions to the air base

593
00:23:09,548 --> 00:23:13,089
before and they've always denied there's

594
00:23:11,019 --> 00:23:14,440
been any activity but the people that

595
00:23:13,089 --> 00:23:16,720
have made these claims insist that

596
00:23:14,440 --> 00:23:18,429
they've seen strange things fly through

597
00:23:16,720 --> 00:23:22,179
the sky and then ref jets following them

598
00:23:18,429 --> 00:23:23,740
well and look yeah it is a real mystery

599

00:23:22,179 --> 00:23:24,940
isn't it and even if it is just someone

600
00:23:23,740 --> 00:23:26,618
having a bit of a hoax over the lake

601
00:23:24,940 --> 00:23:28,090
with a flying aircraft even that itself

602
00:23:26,618 --> 00:23:33,579
is a pretty interesting little story

603
00:23:28,089 --> 00:23:37,798
well I don't think why would people go

604
00:23:33,579 --> 00:23:39,999
to these links to hoax I mean yes we

605
00:23:37,798 --> 00:23:41,200
people say odds are homes as this or

606
00:23:39,999 --> 00:23:43,028
that but you know think about it it

607
00:23:41,200 --> 00:23:44,710
takes so especially for people that and

608
00:23:43,028 --> 00:23:45,849
there's a circuit where you can see

609
00:23:44,710 --> 00:23:47,169
people go out and speak about these

610
00:23:45,849 --> 00:23:49,388
things at length and they take their

611
00:23:47,169 --> 00:23:51,429
slides and things I mean

612
00:23:49,388 --> 00:23:53,108
it's an incredible act to try and want

613
00:23:51,429 --> 00:23:54,339

to maintain a belief in something like

614

00:23:53,108 --> 00:23:56,259

that if you don't really believe that a

615

00:23:54,338 --> 00:23:58,868

minute if no one's gonna make money

616

00:23:56,259 --> 00:24:00,399

standing there in an RSL club and whoop

617

00:23:58,868 --> 00:24:02,468

up talking to 30 people you know it's

618

00:24:00,398 --> 00:24:04,838

not something you do for fun you know

619

00:24:02,469 --> 00:24:06,969

people obviously believe these things

620

00:24:04,838 --> 00:24:10,028

and the amazing thing about the net is

621

00:24:06,969 --> 00:24:11,288

that it does give you instant contact

622

00:24:10,028 --> 00:24:13,239

with people that you would not otherwise

623

00:24:11,288 --> 00:24:14,588

have been able to meet so I've got no

624

00:24:13,239 --> 00:24:17,259

doubt there's been an explosion of

625

00:24:14,588 --> 00:24:20,259

interest in conspiracy theories and and

626

00:24:17,259 --> 00:24:22,298

UF ology since the internet and since

627

00:24:20,259 --> 00:24:24,548

google has enabled us to instantly get

628
00:24:22,298 --> 00:24:26,108
where we need to get previously you'd go

629
00:24:24,548 --> 00:24:27,368
down you buy a book and you see a

630
00:24:26,108 --> 00:24:29,648
reference and maybe go and get another

631
00:24:27,368 --> 00:24:31,778
book now you can literally contact

632
00:24:29,648 --> 00:24:33,458
people as I do in this as a journalist

633
00:24:31,778 --> 00:24:35,200
you want to find someone you look them

634
00:24:33,459 --> 00:24:37,419
up you find their email you write them

635
00:24:35,200 --> 00:24:39,399
an email and amazingly a day later or an

636
00:24:37,419 --> 00:24:41,079
hour later they write back so within

637
00:24:39,398 --> 00:24:45,158
hours of the first article appearing

638
00:24:41,078 --> 00:24:46,749
last week I had emails from UFO hunters

639
00:24:45,159 --> 00:24:48,219
if you like in the United States about

640
00:24:46,749 --> 00:24:50,798
the first article that we published the

641
00:24:48,219 --> 00:24:52,450
Newcastle Herald and it found its way to

642
00:24:50,798 --> 00:24:54,729
the states within hours have been

643
00:24:52,450 --> 00:24:56,469
published it's quite extraordinary then

644
00:24:54,729 --> 00:24:58,569
I'll also limited to see what you

645
00:24:56,469 --> 00:25:00,519
uncover in the hunter because this

646
00:24:58,569 --> 00:25:01,989
current flap has just uncovered a lot of

647
00:25:00,519 --> 00:25:03,638
things and I want to see if people

648
00:25:01,989 --> 00:25:04,869
coming out talking about sightings in

649
00:25:03,638 --> 00:25:07,508
the past I want to know what's gone on

650
00:25:04,868 --> 00:25:08,858
here hmm well yeah I don't mean I don't

651
00:25:07,509 --> 00:25:12,219
know what's going on either I do know

652
00:25:08,858 --> 00:25:13,388
that well I just been sent some material

653
00:25:12,219 --> 00:25:15,548
now which includes a number of

654
00:25:13,388 --> 00:25:17,618
historical you know sightings in in the

655
00:25:15,548 --> 00:25:19,088
hunter I mean there have been there was

656

00:25:17,618 --> 00:25:20,918
a book written in the 90s which my

657
00:25:19,088 --> 00:25:22,479
colleague Joanne McCarthy wrote about

658
00:25:20,919 --> 00:25:24,700
inside those paper i think it's called

659
00:25:22,479 --> 00:25:26,679
the gosford files and that was a

660
00:25:24,700 --> 00:25:30,848
collection of UFO sightings on the

661
00:25:26,679 --> 00:25:32,409
central coast which was spawned by a

662
00:25:30,848 --> 00:25:34,239
sighting which is recorded in the

663
00:25:32,409 --> 00:25:36,219
Central Coast Newspapers and one of the

664
00:25:34,239 --> 00:25:37,749
one of the one of the sources for this

665
00:25:36,219 --> 00:25:40,479
story was a serving Central Coast

666
00:25:37,749 --> 00:25:41,950
policeman who swears he saw a UFO come

667
00:25:40,479 --> 00:25:43,778
down sucking water up out of the lake

668
00:25:41,950 --> 00:25:47,048
now that's was the source of that book

669
00:25:43,778 --> 00:25:48,729
and those articles reported by Jason

670
00:25:47,048 --> 00:25:50,828

Gordon colleague of ours works here now

671

00:25:48,729 --> 00:25:52,690

is off at the moment but he wrote those

672

00:25:50,828 --> 00:25:54,638

newspaper stories and the book the

673

00:25:52,690 --> 00:25:56,110

gospel files is dedicated to him because

674

00:25:54,638 --> 00:25:57,909

of his reporting on that

675

00:25:56,109 --> 00:26:00,279

I look forward to see what you uncover

676

00:25:57,910 --> 00:26:03,509

here in the hunter and if I do disappear

677

00:26:00,279 --> 00:26:03,509

it's been nice knowing you may know

678

00:26:13,308 --> 00:26:17,910

virtual skeptics is a weekly web show in

679

00:26:16,109 --> 00:26:20,219

which we discuss the latest news in

680

00:26:17,910 --> 00:26:21,690

skepticism whether it's a new case of

681

00:26:20,220 --> 00:26:23,910

spontaneous human combustion a

682

00:26:21,690 --> 00:26:26,130

conspiracy theory the latest update on

683

00:26:23,910 --> 00:26:27,779

the upcoming robot apocalypse tech news

684

00:26:26,130 --> 00:26:30,270

for skeptics are the latest wacky

685
00:26:27,779 --> 00:26:32,668
religious claim we cover it all we

686
00:26:30,269 --> 00:26:35,308
record the show live as a Google+ on-air

687
00:26:32,669 --> 00:26:37,140
hangout so join us in our host Brian

688
00:26:35,308 --> 00:26:39,240
Gregory for an hour of mostly

689
00:26:37,140 --> 00:26:42,150
intelligent talk every wednesday at

690
00:26:39,240 --> 00:26:45,179
eight pm eastern US time watch us at

691
00:26:42,150 --> 00:26:47,820
virtual skeptics calm and participate in

692
00:26:45,179 --> 00:26:50,759
the show on our hashtag virtual skeptics

693
00:26:47,819 --> 00:26:55,139
the virtual skeptics it's like meet the

694
00:26:50,759 --> 00:26:57,359
press but with chupacabras welcome to a

695
00:26:55,140 --> 00:26:59,360
week in science from our iOS bringing

696
00:26:57,359 --> 00:27:02,668
you the science news you need to know

697
00:26:59,359 --> 00:27:05,969
new space neutrinos evacuate evacuate

698
00:27:02,669 --> 00:27:09,200
and overconfident quiz cheats that's

699

00:27:05,970 --> 00:27:09,200

what happened in science this week

700

00:27:10,230 --> 00:27:17,289

imagine you're in a crowded building and

701

00:27:12,730 --> 00:27:19,180

then you hear this which exit are you

702

00:27:17,289 --> 00:27:20,920

going to take scientists developed an

703

00:27:19,180 --> 00:27:23,860

online game to test whether people

704

00:27:20,920 --> 00:27:26,710

responded better to memorized evacuation

705

00:27:23,859 --> 00:27:28,929

instructions exit signs or whether they

706

00:27:26,710 --> 00:27:31,000

just follow the crowd when people were

707

00:27:28,930 --> 00:27:33,519

given conflicting instructions such as

708

00:27:31,000 --> 00:27:35,890

seeing other people using one door but a

709

00:27:33,519 --> 00:27:38,349

clear exit sign on another they made

710

00:27:35,890 --> 00:27:40,990

unpredictable and irrational evacuation

711

00:27:38,349 --> 00:27:42,849

decisions understanding why we make

712

00:27:40,990 --> 00:27:45,849

these decisions will help to develop

713

00:27:42,849 --> 00:27:48,009
better evacuation procedures you can

714
00:27:45,849 --> 00:27:52,299
test your response to this game we have

715
00:27:48,009 --> 00:27:54,150
a link on our website scientists at the

716
00:27:52,299 --> 00:27:57,430
South Pole have been celebrating after

717
00:27:54,150 --> 00:27:59,860
detecting Astrophysical neutrinos for

718
00:27:57,430 --> 00:28:02,230
the first time this rare type of

719
00:27:59,859 --> 00:28:05,079
neutrino comes from outside our solar

720
00:28:02,230 --> 00:28:07,299
system and is a very high energy nearly

721
00:28:05,079 --> 00:28:09,939
massless particle that is smaller than

722
00:28:07,299 --> 00:28:12,430
an atom sensors buried deep at the South

723
00:28:09,940 --> 00:28:14,500
Pole have reliably detected the special

724
00:28:12,430 --> 00:28:16,810
particles for the first time potentially

725
00:28:14,500 --> 00:28:19,119
carrying information about distant parts

726
00:28:16,809 --> 00:28:21,460
of the galaxy this discovery will lead

727
00:28:19,119 --> 00:28:24,129

to new ways to explore how our universe

728

00:28:21,460 --> 00:28:27,100

works allowing us to probe the far

729

00:28:24,130 --> 00:28:29,260

reaches of the galaxy and beyond you're

730

00:28:27,099 --> 00:28:32,829

listening to a week in science from our

731

00:28:29,259 --> 00:28:37,119

iOS and now four sides headlines in 30

732

00:28:32,829 --> 00:28:39,909

seconds greenhouse gas emissions have

733

00:28:37,119 --> 00:28:42,129

reached an all-time high with annual co2

734

00:28:39,910 --> 00:28:45,400

emissions having risen fifty-eight

735

00:28:42,130 --> 00:28:47,890

percent since 1990 spending just five

736

00:28:45,400 --> 00:28:51,190

dollars extra on health care per person

737

00:28:47,890 --> 00:28:55,090

in developing countries could save 147

738

00:28:51,190 --> 00:28:57,490

million kids by 2035 but only if we

739

00:28:55,089 --> 00:28:59,859

spend it in the right way unusual EI

740

00:28:57,490 --> 00:29:02,289

Nino events will occur twice as often in

741

00:28:59,859 --> 00:29:04,959

the future even based on a conservative

742
00:29:02,289 --> 00:29:07,750
global warming scenario and people who

743
00:29:04,960 --> 00:29:09,610
use Google to find quiz answers actually

744
00:29:07,750 --> 00:29:13,210
think they're smarter than people who

745
00:29:09,609 --> 00:29:15,309
rely on their brain alone don't forget

746
00:29:13,210 --> 00:29:17,200
to watch science behind the headlines on

747
00:29:15,309 --> 00:29:19,960
Tuesday night where we'll be looking at

748
00:29:17,200 --> 00:29:21,730
those holiday blues that's all for this

749
00:29:19,960 --> 00:29:24,059
a week in science I'll catch you next

750
00:29:21,730 --> 00:29:24,059
week

751
00:29:34,490 --> 00:29:40,500
the skeptic magazine the journal from

752
00:29:37,349 --> 00:29:42,719
Australian skeptics subscribe online to

753
00:29:40,500 --> 00:29:48,109
the world's second oldest skeptical

754
00:29:42,720 --> 00:29:51,210
magazine visit w WC oau and click the

755
00:29:48,109 --> 00:29:55,589
publication's league you can also find

756
00:29:51,210 --> 00:29:58,710
their over 30 years on back issues free

757
00:29:55,589 --> 00:30:19,439
to download the skeptic magazine from

758
00:29:58,710 --> 00:30:21,630
Australian skeptics why don't we just

759
00:30:19,440 --> 00:30:24,779
start at the beginning folks i'm here at

760
00:30:21,630 --> 00:30:26,730
the CSIRO secret research center we're

761
00:30:24,779 --> 00:30:28,349
downstairs they're working on cold

762
00:30:26,730 --> 00:30:30,599
fusion and other interesting stuff but

763
00:30:28,349 --> 00:30:32,009
i'm here with oh well now will you from

764
00:30:30,599 --> 00:30:34,439
hall work this great nation of ours

765
00:30:32,009 --> 00:30:36,990
canberra know you but you caught a cab

766
00:30:34,440 --> 00:30:38,190
here yeah well actually i'm not coming

767
00:30:36,990 --> 00:30:40,620
to the invention unfortunately but I'm

768
00:30:38,190 --> 00:30:42,090
he denied so okay so what it was bit

769
00:30:40,619 --> 00:30:43,678
what I have to what they wouldn't let

770

00:30:42,089 --> 00:30:47,220
you was there an incident you gonna go

771
00:30:43,679 --> 00:30:49,019
it's fam family issues we certainly will

772
00:30:47,220 --> 00:30:51,269
understand up the other things to do is

773
00:30:49,019 --> 00:30:52,650
look because it's all about conspiracies

774
00:30:51,269 --> 00:30:54,750
this weekend what is your favorite

775
00:30:52,650 --> 00:30:58,680
conspiracy you must have one

776
00:30:54,750 --> 00:30:59,880
oh I don't know really oh you've got

777
00:30:58,680 --> 00:31:02,519
you've stuck me I'm afraid what's a

778
00:30:59,880 --> 00:31:05,070
favorite conspiracy Wow because i

779
00:31:02,519 --> 00:31:07,710
thought the the new one on the oj of

780
00:31:05,069 --> 00:31:09,539
sight k one was interesting the it was a

781
00:31:07,710 --> 00:31:11,190
Secret Service agent i thought that's

782
00:31:09,539 --> 00:31:12,960
about the only plausible conspiracy i've

783
00:31:11,190 --> 00:31:16,049
heard at all i think because its biggest

784
00:31:12,960 --> 00:31:17,430

involves an effort yes that's right and

785

00:31:16,049 --> 00:31:19,169

we all know that they're actually more

786

00:31:17,430 --> 00:31:21,509

likely yeah well exactly that's how

787

00:31:19,170 --> 00:31:23,519

things go how would you describe the

788

00:31:21,509 --> 00:31:26,490

crowd here it's a Canberra skeptics

789

00:31:23,519 --> 00:31:32,609

National Convention and it's a type of

790

00:31:26,490 --> 00:31:35,450

person you know all ages all walks of

791

00:31:32,609 --> 00:31:38,729

life yeah and then it's not overly nerdy

792

00:31:35,450 --> 00:31:41,069

are there are some nerds he are awesome

793

00:31:38,730 --> 00:31:43,529

what's your specialty surf a lot of

794

00:31:41,069 --> 00:31:45,299

locked up to hurry oh okay so you'd be

795

00:31:43,529 --> 00:31:50,160

excited about the 50 years this weekend

796

00:31:45,299 --> 00:31:52,079

yeah no no no Doctor Who star trek okay

797

00:31:50,160 --> 00:31:53,790

now do you get in now I know there's a

798

00:31:52,079 --> 00:31:55,470

massive schism there I know the two

799

00:31:53,789 --> 00:31:57,930

sides don't get on how do you go with

800

00:31:55,470 --> 00:32:00,240

that um slightly towards Doctor Who am

801

00:31:57,930 --> 00:32:02,549

afraid okay is what's the problem with

802

00:32:00,240 --> 00:32:05,430

Star Trek is just Americanism is it a

803

00:32:02,549 --> 00:32:08,339

bit militaristic hots all right what say

804

00:32:05,430 --> 00:32:10,380

it well it's it's it's a little bit more

805

00:32:08,339 --> 00:32:12,629

plausible in some respects but doctor

806

00:32:10,380 --> 00:32:14,820

who's more entertaining but what's a bit

807

00:32:12,630 --> 00:32:16,800

better are they well that's great I mean

808

00:32:14,819 --> 00:32:18,659

also he basically turns up where people

809

00:32:16,799 --> 00:32:20,159

don't expect him to turn up at a time

810

00:32:18,660 --> 00:32:22,100

that he's not expected to be there and

811

00:32:20,160 --> 00:32:23,690

well that's your story really isn't

812

00:32:22,099 --> 00:32:27,259

I think the concepts of any place any

813
00:32:23,690 --> 00:32:29,240
time is pretty mind-blowing of course

814
00:32:27,259 --> 00:32:31,279
we're here at the canberra suburb of

815
00:32:29,240 --> 00:32:33,169
action as i like to call it it's a great

816
00:32:31,279 --> 00:32:35,509
suburban who we got here from the CSIRO

817
00:32:33,169 --> 00:32:37,400
I'm Stephanie routley and what are you

818
00:32:35,509 --> 00:32:38,990
doing in the foyer here at the launch

819
00:32:37,400 --> 00:32:40,759
here this afternoon we have a few

820
00:32:38,990 --> 00:32:42,349
different experiments but right now we

821
00:32:40,759 --> 00:32:45,379
have a couple of stick insects some

822
00:32:42,349 --> 00:32:47,719
Giants finally stick insects now I got

823
00:32:45,380 --> 00:32:50,690
the huntsman spiders scare the poop out

824
00:32:47,720 --> 00:32:51,919
of me these are much bigger now you say

825
00:32:50,690 --> 00:32:53,210
these are from the east coast of

826
00:32:51,919 --> 00:32:54,919
Australia what do they eat their

827

00:32:53,210 --> 00:32:57,409
vegetarian they are in fact there for

828
00:32:54,919 --> 00:32:59,299
Liveris so they only eat gum leaves so

829
00:32:57,409 --> 00:33:01,429
only eucalyptus companies and just by

830
00:32:59,298 --> 00:33:03,349
the fact that they look horrifying they

831
00:33:01,429 --> 00:33:05,000
actually are quite quite pathetic they

832
00:33:03,349 --> 00:33:06,349
can't actually doing very much to defend

833
00:33:05,000 --> 00:33:08,509
themselves they're not aggressive in any

834
00:33:06,349 --> 00:33:10,428
way so they're not hunt well I mean in

835
00:33:08,509 --> 00:33:11,390
fact there quiet-like husbands and that

836
00:33:10,429 --> 00:33:14,480
they don't actually do anything

837
00:33:11,390 --> 00:33:16,580
aggressive and what's their part in the

838
00:33:14,480 --> 00:33:18,620
ecosystem they get rid of old gum leaves

839
00:33:16,579 --> 00:33:20,210
aren't any good what's their part they

840
00:33:18,619 --> 00:33:22,369
like the tastiest ones you know

841
00:33:20,210 --> 00:33:24,288

naturally but actually they have a very

842

00:33:22,369 --> 00:33:25,819

interesting relationship with ants so

843

00:33:24,288 --> 00:33:27,798

the female stick insects when they have

844

00:33:25,819 --> 00:33:29,418

their babies they drop their eggs out

845

00:33:27,798 --> 00:33:31,460

onto the forest floor but they attach a

846

00:33:29,419 --> 00:33:32,720

little caps you love sugar and the

847

00:33:31,460 --> 00:33:34,579

reason they attach a little capsule of

848

00:33:32,720 --> 00:33:36,919

sugar is so at the ants that live all

849

00:33:34,579 --> 00:33:39,019

over the first floor obviously and can

850

00:33:36,919 --> 00:33:41,240

also carry eight times their body weight

851

00:33:39,019 --> 00:33:42,740

come and pick up the eggs with a capsule

852

00:33:41,240 --> 00:33:44,720

of sugar touch and they take it back to

853

00:33:42,740 --> 00:33:46,659

their nest so that they can share the

854

00:33:44,720 --> 00:33:49,339

sugar around with the rest of the colony

855

00:33:46,659 --> 00:33:51,140

but what's fascinating is they eat the

856
00:33:49,339 --> 00:33:52,339
sugar of the stick insect babies but

857
00:33:51,140 --> 00:33:54,288
they don't actually eat the egg itself

858
00:33:52,339 --> 00:33:55,668
and the reason they don't eat the egg

859
00:33:54,288 --> 00:33:58,730
itself is because they have the same

860
00:33:55,669 --> 00:34:00,980
pheromones as baby ants they smell

861
00:33:58,730 --> 00:34:03,319
exactly the same and so that's an

862
00:34:00,980 --> 00:34:04,880
example of a symbiotic relationship in

863
00:34:03,319 --> 00:34:06,558
the environment whereby you have two

864
00:34:04,880 --> 00:34:07,940
animals living in harmony and aiding the

865
00:34:06,558 --> 00:34:10,369
development of the other one so in this

866
00:34:07,940 --> 00:34:12,200
situation the ants are are receiving the

867
00:34:10,369 --> 00:34:14,030
food the sustenance of from the sugar

868
00:34:12,199 --> 00:34:15,469
and the transporting the eggs and the

869
00:34:14,030 --> 00:34:17,090
transporting it and so in return that

870
00:34:15,469 --> 00:34:19,398
yeah the stick insects are receiving

871
00:34:17,090 --> 00:34:21,889
that shelter that protection now if the

872
00:34:19,398 --> 00:34:23,779
stick insect here like suddenly isn't

873
00:34:21,889 --> 00:34:24,679
chilling out or is a bit upset can you

874
00:34:23,780 --> 00:34:27,050
actually tell

875
00:34:24,679 --> 00:34:28,369
so it's interesting so the females you

876
00:34:27,050 --> 00:34:29,720
can tell straight away so they do this

877
00:34:28,369 --> 00:34:31,460
funny thing where they lift their tails

878
00:34:29,719 --> 00:34:34,519
up to make them look like scorpions yeah

879
00:34:31,460 --> 00:34:36,050
but the males the males are bits are the

880
00:34:34,519 --> 00:34:37,128
male's fly that's their defense

881
00:34:36,050 --> 00:34:38,690
mechanism and so when they're scared

882
00:34:37,128 --> 00:34:41,239
there's the bell either stay very very

883
00:34:38,690 --> 00:34:43,190
still or they'll fly away sometimes they

884

00:34:41,239 --> 00:34:44,838
both drew a sort of little wiggle to

885
00:34:43,190 --> 00:34:46,789
look like they're wind look like a

886
00:34:44,838 --> 00:34:48,588
little leaf we're doing in the wind but

887
00:34:46,789 --> 00:34:51,829
um but no it's the females that are the

888
00:34:48,588 --> 00:34:52,789
most distinct when they're scared are

889
00:34:51,829 --> 00:34:54,109
these ones from the east coast of

890
00:34:52,789 --> 00:34:55,909
Australia is similar to ones found

891
00:34:54,108 --> 00:34:57,828
around the world are they all similar

892
00:34:55,909 --> 00:35:00,170
kind of look are ours a little bit

893
00:34:57,829 --> 00:35:02,390
different in color or shape well with

894
00:35:00,170 --> 00:35:04,010
their Giants pineys the females are much

895
00:35:02,389 --> 00:35:05,750
larger and they look much more like

896
00:35:04,010 --> 00:35:07,700
leaves then the difference between the

897
00:35:05,750 --> 00:35:09,889
sexes of others second section I can't

898
00:35:07,699 --> 00:35:11,719

say in terms of international stick

899

00:35:09,889 --> 00:35:14,058

insect Creed's I'm afraid I don't know

900

00:35:11,719 --> 00:35:16,219

but but there are others chicken snake

901

00:35:14,059 --> 00:35:18,500

species in Australia where the females

902

00:35:16,219 --> 00:35:20,568

are more similar to the males and you

903

00:35:18,500 --> 00:35:22,280

can get them in all sorts of colors and

904

00:35:20,568 --> 00:35:24,289

sizes and things like that with the

905

00:35:22,280 --> 00:35:27,440

indigenous population have eaten them I

906

00:35:24,289 --> 00:35:29,750

imagine so but I wouldn't be able to

907

00:35:27,440 --> 00:35:31,548

verify that I'm afraid yeah yes good

908

00:35:29,750 --> 00:35:34,159

because they just don't look tasty do

909

00:35:31,548 --> 00:35:36,349

they know not the most enticing of three

910

00:35:34,159 --> 00:35:37,730

cheese yeah okay well look I hope you go

911

00:35:36,349 --> 00:35:39,079

great have you ever lost one evil is it

912

00:35:37,730 --> 00:35:40,730

have been showing it to someone and

913
00:35:39,079 --> 00:35:42,710
wandered off absolutely the male's

914
00:35:40,730 --> 00:35:44,699
flying all the time up in the trees we

915
00:35:42,710 --> 00:35:49,079
have upper back there hold you

916
00:35:44,699 --> 00:35:51,929
right thank you very much now in a

917
00:35:49,079 --> 00:35:53,970
disreputable corner of the opening night

918
00:35:51,929 --> 00:35:55,500
of the conference here who've we got my

919
00:35:53,969 --> 00:35:57,328
name is Andrew and you just been doing

920
00:35:55,500 --> 00:35:59,760
some very effective cold reading using

921
00:35:57,329 --> 00:36:01,079
the tarot card the advantage of using

922
00:35:59,760 --> 00:36:03,240
tarot cards is that you don't have to

923
00:36:01,079 --> 00:36:05,849
call read because the cards do all the

924
00:36:03,239 --> 00:36:07,559
work for you okay and would you try to

925
00:36:05,849 --> 00:36:08,880
either gear I mean I'm trying to think

926
00:36:07,559 --> 00:36:10,858
what other ones do it for you but you're

927
00:36:08,880 --> 00:36:12,000
right it was it is all laid out there

928
00:36:10,858 --> 00:36:14,309
and it's just a matter of you

929
00:36:12,000 --> 00:36:15,719
interpreting it now how do you calibrate

930
00:36:14,309 --> 00:36:17,880
a person what do you look for in the

931
00:36:15,719 --> 00:36:19,489
face to change or what is the one thing

932
00:36:17,880 --> 00:36:24,269
that's got to change in their face

933
00:36:19,489 --> 00:36:26,759
recognition when you lay out a card and

934
00:36:24,269 --> 00:36:28,679
you say well this card represents this

935
00:36:26,760 --> 00:36:31,349
and is ness does that mean anything to

936
00:36:28,679 --> 00:36:35,069
you and they go ah yes that means

937
00:36:31,349 --> 00:36:36,869
something to me that's that's my mum so

938
00:36:35,070 --> 00:36:40,859
that's the thing that you can you can

939
00:36:36,869 --> 00:36:42,030
hook your story on to impress them okay

940
00:36:40,858 --> 00:36:43,889
and it's all about impressing them

941

00:36:42,030 --> 00:36:45,359
really and what's your favorite card to

942
00:36:43,889 --> 00:36:46,618
get in that cold really you just did

943
00:36:45,358 --> 00:36:47,789
there with the tarot card you got the

944
00:36:46,619 --> 00:36:49,019
fool that's pretty good what's your

945
00:36:47,789 --> 00:36:50,730
favorite one that you like getting the

946
00:36:49,019 --> 00:36:53,099
Emperor's always a good one because it's

947
00:36:50,730 --> 00:36:56,039
double-sided isn't it yes the Emperor is

948
00:36:53,099 --> 00:36:58,680
definitely too faced I don't know I do

949
00:36:56,039 --> 00:37:00,630
like the fool the fool if you have a

950
00:36:58,679 --> 00:37:02,730
look at a standard deck of tarot cards

951
00:37:00,630 --> 00:37:05,880
the fool is is setting off on a journey

952
00:37:02,730 --> 00:37:08,760
and he's about to step over a cliff so

953
00:37:05,880 --> 00:37:12,240
to relate that to somebody's life you

954
00:37:08,760 --> 00:37:14,220
say well you're about to embark on some

955
00:37:12,239 --> 00:37:15,389

sort of endeavor you don't know exactly

956

00:37:14,219 --> 00:37:17,338

where it's going to go you don't know

957

00:37:15,389 --> 00:37:19,049

how it's going to work but you're you're

958

00:37:17,338 --> 00:37:21,568

determined and you and you're setting

959

00:37:19,050 --> 00:37:23,220

out you're taking those first steps so

960

00:37:21,568 --> 00:37:26,039

it's very well I mean a lot of people

961

00:37:23,219 --> 00:37:27,838

can can relate to that have you actually

962

00:37:26,039 --> 00:37:31,650

encounter people that think you have

963

00:37:27,838 --> 00:37:33,719

genuine fortune-telling talent no

964

00:37:31,650 --> 00:37:36,630

for a start because I never claimed to

965

00:37:33,719 --> 00:37:37,799

have it but sometimes they go are ya but

966

00:37:36,630 --> 00:37:40,349

you do have it you just don't want to

967

00:37:37,800 --> 00:37:42,240

admit it there is that I I personally

968

00:37:40,349 --> 00:37:44,239

have not encountered that I have I do

969

00:37:42,239 --> 00:37:47,699

know people who have encountered that I

970
00:37:44,239 --> 00:37:51,869
personally have not I'm always at pains

971
00:37:47,699 --> 00:37:54,989
to explain my the title of my quote

972
00:37:51,869 --> 00:37:57,000
unquote talk there is a skeptical guide

973
00:37:54,989 --> 00:37:59,879
to the Tarot and how it quote unquote

974
00:37:57,000 --> 00:38:03,179
works and those those quote marks are

975
00:37:59,880 --> 00:38:05,780
very important and and you can't see me

976
00:38:03,179 --> 00:38:08,460
doing the air quotes here but but I am

977
00:38:05,780 --> 00:38:10,740
because the Tarot does quite unquote

978
00:38:08,460 --> 00:38:14,340
work so long as you understand what i

979
00:38:10,739 --> 00:38:16,409
mean by working mostly see my astrologer

980
00:38:14,340 --> 00:38:18,570
friend Jessica Adams has always taught

981
00:38:16,409 --> 00:38:19,920
me Maynard don't mess with the tarot or

982
00:38:18,570 --> 00:38:22,530
the Ouija board because that's where the

983
00:38:19,920 --> 00:38:24,030
the lower souls kind of hang out and she

984
00:38:22,530 --> 00:38:25,019
thinks it's not good to mess with that

985
00:38:24,030 --> 00:38:27,750
kind of stuff but you haven't

986
00:38:25,019 --> 00:38:31,289
encountered any problems no no because

987
00:38:27,750 --> 00:38:33,059
they don't exist right I was always told

988
00:38:31,289 --> 00:38:34,679
during myhnegon neo-pagan phase that

989
00:38:33,059 --> 00:38:36,299
yeah you don't you don't mess with Ouija

990
00:38:34,679 --> 00:38:38,489
boards because we towards summon

991
00:38:36,300 --> 00:38:40,140
elementals and elementals are

992
00:38:38,489 --> 00:38:42,089
mischievous spirits who don't actually

993
00:38:40,139 --> 00:38:45,029
want to help you out or anything they

994
00:38:42,090 --> 00:38:48,000
just want to mess with your head but the

995
00:38:45,030 --> 00:38:49,740
elementals don't exist so yeah it is it

996
00:38:48,000 --> 00:38:51,239
possible that just doing the Ouija board

997
00:38:49,739 --> 00:38:52,889
is your kind of mucking around in that

998

00:38:51,239 --> 00:38:55,319
area anyway so you know you could be a

999
00:38:52,889 --> 00:38:57,599
bit confused to start with well yeah the

1000
00:38:55,320 --> 00:38:59,940
thing about the Ouija board is that it's

1001
00:38:57,599 --> 00:39:01,289
ultimately being controlled

1002
00:38:59,940 --> 00:39:05,070
the people who have their fingers on

1003
00:39:01,289 --> 00:39:07,769
that plan Chad are exerting force on it

1004
00:39:05,070 --> 00:39:09,960
and moving it around so it's it's not as

1005
00:39:07,769 --> 00:39:13,259
easy as the taro is because that the

1006
00:39:09,960 --> 00:39:15,210
taro has a picture of of everything I've

1007
00:39:13,260 --> 00:39:18,480
got one right here it's the it's the two

1008
00:39:15,210 --> 00:39:21,809
of swords we've got a a blindfolded

1009
00:39:18,480 --> 00:39:25,409
maiden by a sea carrying two swords

1010
00:39:21,809 --> 00:39:27,210
crossed across a chest so sword the

1011
00:39:25,409 --> 00:39:32,460
sword represents the intellect the mind

1012
00:39:27,210 --> 00:39:34,889

thoughts so we've got an image of blind

1013

00:39:32,460 --> 00:39:37,260

justice here we've got a choice of

1014

00:39:34,889 --> 00:39:41,190

between two two particular intellectual

1015

00:39:37,260 --> 00:39:43,740

paths I think all of these images

1016

00:39:41,190 --> 00:39:46,050

already you've got something we could be

1017

00:39:43,739 --> 00:39:47,339

taken two or three ways there and you're

1018

00:39:46,050 --> 00:39:51,000

looking at the person and you're away

1019

00:39:47,340 --> 00:39:53,940

exactly exactly so the terror the the

1020

00:39:51,000 --> 00:39:56,789

analogy I used in my talk was tossing a

1021

00:39:53,940 --> 00:39:59,280

coin right you say I don't know whether

1022

00:39:56,789 --> 00:40:01,860

I want steak or I one pastor all right

1023

00:39:59,280 --> 00:40:03,870

so I'll toss a coin alright so we've all

1024

00:40:01,860 --> 00:40:05,640

tossed a coin to to make a decision

1025

00:40:03,869 --> 00:40:10,469

between two things so you toss a coin

1026

00:40:05,639 --> 00:40:11,789

and we go heads okay I'll have steak but

1027
00:40:10,469 --> 00:40:14,339
no I don't really want steak I want

1028
00:40:11,789 --> 00:40:18,719
pasta right the coin hasn't made the

1029
00:40:14,340 --> 00:40:20,100
decision for you but it has clarified in

1030
00:40:18,719 --> 00:40:22,739
your mind that you actually do one

1031
00:40:20,099 --> 00:40:24,119
passed on all right the the answer on

1032
00:40:22,739 --> 00:40:27,119
the coin wasn't the answer that you went

1033
00:40:24,119 --> 00:40:30,210
with even but you were able to make the

1034
00:40:27,119 --> 00:40:32,190
decision with the help of the coin with

1035
00:40:30,210 --> 00:40:34,320
Terrell it's exactly the same they help

1036
00:40:32,190 --> 00:40:39,119
you to come to decisions they don't

1037
00:40:34,320 --> 00:40:41,309
provide any mystical information any any

1038
00:40:39,119 --> 00:40:42,779
information about somebody's life that

1039
00:40:41,309 --> 00:40:44,940
comes out in the Tarot is actually

1040
00:40:42,780 --> 00:40:48,870
coming out in their own head prompted by

1041
00:40:44,940 --> 00:40:51,389
the images on the Tarot so it's a very

1042
00:40:48,869 --> 00:40:52,719
easy shortcut way to to start cold

1043
00:40:51,389 --> 00:40:55,539
reading someone

1044
00:40:52,719 --> 00:40:56,889
as I said in my talk that I mean there's

1045
00:40:55,539 --> 00:40:59,469
a really good book about the techniques

1046
00:40:56,889 --> 00:41:01,989
of cold reading by Ian Roland full facts

1047
00:40:59,469 --> 00:41:03,399
book of cold reading I recommend it but

1048
00:41:01,989 --> 00:41:06,129
with the terror you can like throw it

1049
00:41:03,400 --> 00:41:08,590
all out because it's all replaced by

1050
00:41:06,130 --> 00:41:09,880
these images on the cards okay well

1051
00:41:08,590 --> 00:41:10,960
you're gonna have a lot of fun this

1052
00:41:09,880 --> 00:41:13,750
weekend I think with that kind of

1053
00:41:10,960 --> 00:41:15,720
ability yes I think I am one last

1054
00:41:13,750 --> 00:41:20,619
question what's your favorite conspiracy

1055

00:41:15,719 --> 00:41:24,009
ah it has to be the Illuminati oh so

1056
00:41:20,619 --> 00:41:25,119
overarching yes exactly and and I don't

1057
00:41:24,010 --> 00:41:27,280
know if you've noticed but we're in

1058
00:41:25,119 --> 00:41:29,799
Canberra at the moment you look at a map

1059
00:41:27,280 --> 00:41:31,960
of Canberra we have what we call the

1060
00:41:29,800 --> 00:41:33,400
Prime that parliamentary triangle it's

1061
00:41:31,960 --> 00:41:37,059
Commonwealth Avenue and kings avenue

1062
00:41:33,400 --> 00:41:41,320
they converge at parliament house but in

1063
00:41:37,059 --> 00:41:44,079
between them there's this round King

1064
00:41:41,320 --> 00:41:47,050
Edward terrace which has old parliament

1065
00:41:44,079 --> 00:41:48,639
house in it and if you look at that it

1066
00:41:47,050 --> 00:41:50,890
looks exactly like the eye in the

1067
00:41:48,639 --> 00:41:55,420
pyramid of the American one dollar bill

1068
00:41:50,889 --> 00:41:56,859
and other symbols as well so yeah it's

1069
00:41:55,420 --> 00:41:59,289

an aluminum is it actually it's a

1070

00:41:56,860 --> 00:42:00,460

Masonic symbol but anyway and the guy

1071

00:41:59,289 --> 00:42:03,300

had designed it was amazing and they

1072

00:42:00,460 --> 00:42:06,909

love putting symbols in everything I

1073

00:42:03,300 --> 00:42:09,670

hate to lose you but

1074

00:42:06,909 --> 00:42:12,909

is this your picture oh there's no way

1075

00:42:09,670 --> 00:42:17,048

that's my picture Oh have you got a

1076

00:42:12,909 --> 00:42:20,769

partner here no oh well if you did I

1077

00:42:17,048 --> 00:42:25,949

would say to them bad news your hubby is

1078

00:42:20,769 --> 00:42:25,949

a very bad liar is this your picture

1079

00:42:30,030 --> 00:42:36,490

okay right one last chance for you to

1080

00:42:33,818 --> 00:42:39,909

get it right ok now I've just witnessed

1081

00:42:36,489 --> 00:42:41,529

an exhibition of dr. quit Wilson calling

1082

00:42:39,909 --> 00:42:43,149

bull crap you are calling bull crap on

1083

00:42:41,530 --> 00:42:45,220

members of the audience and then you

1084
00:42:43,150 --> 00:42:47,019
yourself was called bull crap you were

1085
00:42:45,219 --> 00:42:49,629
shenanigans shenanigans was called on

1086
00:42:47,019 --> 00:42:51,699
you yep absolutely shenanigans lyod

1087
00:42:49,630 --> 00:42:53,858
aight they are both on my CV what were

1088
00:42:51,699 --> 00:42:57,189
you doing there well what I was trying

1089
00:42:53,858 --> 00:42:58,960
to do was to show that anyone can be

1090
00:42:57,190 --> 00:43:01,420
fooled now look we are in a room for a

1091
00:42:58,960 --> 00:43:04,119
very well-informed skeptical people who

1092
00:43:01,420 --> 00:43:07,389
are on the lookout always for you know

1093
00:43:04,119 --> 00:43:08,588
scams etc but even the most in Tony it

1094
00:43:07,389 --> 00:43:10,480
doesn't matter how intelligent you are

1095
00:43:08,588 --> 00:43:12,519
how well-educated where you come from

1096
00:43:10,480 --> 00:43:14,980
what your background is how smart you

1097
00:43:12,519 --> 00:43:17,108
think you are anyone can be forward and

1098
00:43:14,980 --> 00:43:19,420
tonight they wanted to believe that it

1099
00:43:17,108 --> 00:43:20,619
was possible to be out of our lawyer I

1100
00:43:19,420 --> 00:43:24,338
mean wouldn't that be a great thing to

1101
00:43:20,619 --> 00:43:27,910
go to do and so I i sold it that it's

1102
00:43:24,338 --> 00:43:29,679
psychology that it's something real and

1103
00:43:27,909 --> 00:43:32,379
perceptible and tangible that we can all

1104
00:43:29,679 --> 00:43:33,639
do and you know they all fell for it in

1105
00:43:32,380 --> 00:43:37,240
fact your trick was cheaper than a

1106
00:43:33,639 --> 00:43:39,278
push-up bra when it was cheap actually

1107
00:43:37,239 --> 00:43:42,038
very ching but if it's a trick actually

1108
00:43:39,278 --> 00:43:43,599
that's used a lot by psychics because

1109
00:43:42,039 --> 00:43:45,010
this there's lots of different ways you

1110
00:43:43,599 --> 00:43:48,160
can do it you can pretend that you're

1111
00:43:45,010 --> 00:43:50,170
psychic and use the same trick but I

1112

00:43:48,159 --> 00:43:51,769
thought it might be might be really nice

1113
00:43:50,170 --> 00:43:54,019
to use it

1114
00:43:51,769 --> 00:43:56,090
from a psychology point of view and to

1115
00:43:54,019 --> 00:43:58,460
try and sell the idea that we portray

1116
00:43:56,090 --> 00:44:01,070
ourselves when we use body language if

1117
00:43:58,460 --> 00:44:03,079
we're trying to get away with a lie and

1118
00:44:01,070 --> 00:44:04,130
every time I've done it it's always

1119
00:44:03,079 --> 00:44:06,940
worked really nicely I know

1120
00:44:04,130 --> 00:44:09,650
unfortunately my wonderful friend Lori

1121
00:44:06,940 --> 00:44:11,780
thanks Lori he's got to the punch line

1122
00:44:09,650 --> 00:44:14,240
do you soon you're stepping on your

1123
00:44:11,780 --> 00:44:15,620
punch line and of course this weekend

1124
00:44:14,239 --> 00:44:17,239
all about conspiracies here at the

1125
00:44:15,619 --> 00:44:18,829
National Convention what it do you think

1126
00:44:17,239 --> 00:44:21,129

is the most interesting conspiracy or

1127

00:44:18,829 --> 00:44:23,329

even one you wouldn't like to be real

1128

00:44:21,130 --> 00:44:24,440

what would I like to be real that you

1129

00:44:23,329 --> 00:44:26,710

would like to be real all of these

1130

00:44:24,440 --> 00:44:30,800

conspiracy you would like to be real I

1131

00:44:26,710 --> 00:44:33,409

would be hugely amused if it turned out

1132

00:44:30,800 --> 00:44:37,039

that we didn't actually land on the moon

1133

00:44:33,409 --> 00:44:38,929

and and you know and they've been doing

1134

00:44:37,039 --> 00:44:40,730

a cover-up and the whole uncovering of

1135

00:44:38,929 --> 00:44:42,980

the cover-up was a cover-up itself and

1136

00:44:40,730 --> 00:44:45,289

absolutely i mean the alien things just

1137

00:44:42,980 --> 00:44:47,929

silly and the JFK thing is just too

1138

00:44:45,289 --> 00:44:49,940

far-fetched but if it turned out that we

1139

00:44:47,929 --> 00:44:52,069

didn't actually all the Americans didn't

1140

00:44:49,940 --> 00:44:53,960

actually land on the moon I think that

1141
00:44:52,070 --> 00:44:55,670
would I think that would be wonderful

1142
00:44:53,960 --> 00:44:57,440
and when the information of the press

1143
00:44:55,670 --> 00:45:01,550
conference comes out in the distance

1144
00:44:57,440 --> 00:45:04,730
you'll hear this small child yup the

1145
00:45:01,550 --> 00:45:09,590
boys are the immortal bard Nelson love

1146
00:45:04,730 --> 00:45:11,719
it well we met some stick insect some

1147
00:45:09,590 --> 00:45:13,519
leaf insects earlier who we got here so

1148
00:45:11,719 --> 00:45:16,429
these are our Eastern longneck turtles

1149
00:45:13,519 --> 00:45:19,190
we have Mendeleev with the black shell

1150
00:45:16,429 --> 00:45:21,919
and this guy here is Geronimo they're

1151
00:45:19,190 --> 00:45:24,200
both around ten years old sort of nine

1152
00:45:21,920 --> 00:45:26,990
ten years old around the same age also

1153
00:45:24,199 --> 00:45:28,819
around the same size and like I said

1154
00:45:26,989 --> 00:45:30,859
they are turtles they have webbed feet

1155
00:45:28,820 --> 00:45:33,380
and they use them for swimming and what

1156
00:45:30,860 --> 00:45:35,030
do they like with crowds um when when

1157
00:45:33,380 --> 00:45:36,920
they lure when the leaf insects get a

1158
00:45:35,030 --> 00:45:38,780
bit distressed they fly around or they

1159
00:45:36,920 --> 00:45:40,400
go all funny what are these guys do so

1160
00:45:38,780 --> 00:45:42,309
what these guys do is they have musk

1161
00:45:40,400 --> 00:45:43,599
glands in their armpits

1162
00:45:42,309 --> 00:45:46,150
what happens is when they threatened

1163
00:45:43,599 --> 00:45:48,130
they secrete chemicals that smell bad so

1164
00:45:46,150 --> 00:45:50,108
that's a big smell like a fart it could

1165
00:45:48,130 --> 00:45:52,119
be them exactly yeah so they known as

1166
00:45:50,108 --> 00:45:53,828
stinkers and that's the reason why so

1167
00:45:52,119 --> 00:45:55,809
once they get freaked out that's the

1168
00:45:53,829 --> 00:45:57,189
first thing that they will do now I got

1169

00:45:55,809 --> 00:45:59,798
to ask you what's the difference between

1170
00:45:57,188 --> 00:46:01,208
a turtle and a Terrapin oh good question

1171
00:45:59,798 --> 00:46:05,278
so we were just having that discussion

1172
00:46:01,208 --> 00:46:08,739
oh ok so Terrapin could reference a

1173
00:46:05,278 --> 00:46:10,838
tortoise that lives in water okay but

1174
00:46:08,739 --> 00:46:13,059
turtles also the same thing so Terrapin

1175
00:46:10,838 --> 00:46:14,920
is a bit of a confusing term so I don't

1176
00:46:13,059 --> 00:46:16,420
know why that crept into classification

1177
00:46:14,920 --> 00:46:18,699
yeah a lot of people mentioned that they

1178
00:46:16,420 --> 00:46:20,680
aren't always the best pet for children

1179
00:46:18,699 --> 00:46:22,719
because they have a long life cycle yes

1180
00:46:20,679 --> 00:46:24,669
they do definitely so what happens these

1181
00:46:22,719 --> 00:46:26,889
turtles only reach sexual maturity once

1182
00:46:24,670 --> 00:46:29,048
they're 15 so they'll any start laying

1183
00:46:26,889 --> 00:46:31,118

eggs once around 15 and it's up until

1184

00:46:29,048 --> 00:46:32,920

then you can only start sexting them

1185

00:46:31,119 --> 00:46:34,989

once they start laying eggs there's no

1186

00:46:32,920 --> 00:46:37,239

other way to differentiate between them

1187

00:46:34,989 --> 00:46:38,528

so you have to wait a long time in order

1188

00:46:37,239 --> 00:46:39,880

to find out whether it's a boy or girl

1189

00:46:38,528 --> 00:46:42,099

so it's going to be difficult to name

1190

00:46:39,880 --> 00:46:44,910

them so they can live up to 50 years

1191

00:46:42,099 --> 00:46:47,709

okay some of them can exceed that

1192

00:46:44,909 --> 00:46:49,659

generally they will last around 50 years

1193

00:46:47,708 --> 00:46:51,698

if they have enough space available to

1194

00:46:49,659 --> 00:46:52,989

them and also food if they have no

1195

00:46:51,699 --> 00:46:56,259

restrictions than they can get pretty

1196

00:46:52,989 --> 00:46:57,849

big and what are they food for I imagine

1197

00:46:56,259 --> 00:46:59,469

the indigenous population might have

1198
00:46:57,849 --> 00:47:01,809
enjoyed making a soup or a snack on them

1199
00:46:59,469 --> 00:47:03,369
yep so most of the indigenous people

1200
00:47:01,809 --> 00:47:06,819
would have eaten them and there'll also

1201
00:47:03,369 --> 00:47:08,559
be other predators that lurking in the

1202
00:47:06,818 --> 00:47:10,599
water as well so you might get some

1203
00:47:08,559 --> 00:47:12,640
other reptiles larger reptiles that my

1204
00:47:10,599 --> 00:47:14,289
prey on them it would have to have a

1205
00:47:12,639 --> 00:47:15,938
pretty strong jaw though in order to get

1206
00:47:14,289 --> 00:47:17,949
through that shell but there are also

1207
00:47:15,938 --> 00:47:19,358
some birds that also eat turtles they'll

1208
00:47:17,949 --> 00:47:21,639
also eat them once they did if they

1209
00:47:19,358 --> 00:47:24,938
beached you might get on some birds that

1210
00:47:21,639 --> 00:47:26,498
will snack on them even the fleshy parts

1211
00:47:24,938 --> 00:47:28,268
of them don't look that inviting yeah

1212
00:47:26,498 --> 00:47:30,159
definitely not and especially if they

1213
00:47:28,268 --> 00:47:32,409
feel threatened and they covered in that

1214
00:47:30,159 --> 00:47:34,420
musk gland fluid I wouldn't want to be

1215
00:47:32,409 --> 00:47:35,319
eating here it's going to taste horrible

1216
00:47:34,420 --> 00:47:37,119
yeah

1217
00:47:35,320 --> 00:47:39,670
now you've brought been bringing animals

1218
00:47:37,119 --> 00:47:41,079
out on idea at the CSIRO Center um what

1219
00:47:39,670 --> 00:47:42,670
else you got you got some kelpies

1220
00:47:41,079 --> 00:47:45,099
downstairs what looks what else you got

1221
00:47:42,670 --> 00:47:47,110
here so what we have is at the moment we

1222
00:47:45,099 --> 00:47:49,089
only have stick insects and turtles we

1223
00:47:47,110 --> 00:47:50,920
also have a scampi that runs around in

1224
00:47:49,090 --> 00:47:52,630
there now and again I don't want to

1225
00:47:50,920 --> 00:47:55,389
handle him but he's in there we also

1226

00:47:52,630 --> 00:47:57,460
have armed some fish we have a little

1227
00:47:55,389 --> 00:47:59,379
aquarium with corals in it live corals

1228
00:47:57,460 --> 00:48:01,480
which is doing really well they actually

1229
00:47:59,380 --> 00:48:03,369
look really really cool we have some

1230
00:48:01,480 --> 00:48:05,170
fish in there like I said other than

1231
00:48:03,369 --> 00:48:06,549
that there's not an awful lot going on

1232
00:48:05,170 --> 00:48:07,900
when it comes to animals do you think

1233
00:48:06,550 --> 00:48:09,730
you could take a crack at having a tame

1234
00:48:07,900 --> 00:48:11,050
dingo that's very Australian it could

1235
00:48:09,730 --> 00:48:12,880
run around the poi at a keep all the

1236
00:48:11,050 --> 00:48:15,250
cats away it would it would we might

1237
00:48:12,880 --> 00:48:16,599
actually need one that might be hand you

1238
00:48:15,250 --> 00:48:18,849
have a great time how come how long can

1239
00:48:16,599 --> 00:48:20,349
you lead them out you know we don't dry

1240
00:48:18,849 --> 00:48:22,000

out how long can they be out of water so

1241

00:48:20,349 --> 00:48:23,889

they can spend a few hours out of water

1242

00:48:22,000 --> 00:48:26,650

and generally they can actually spend

1243

00:48:23,889 --> 00:48:28,449

sort of up to six hours I'd imagine

1244

00:48:26,650 --> 00:48:30,430

before they begin to dry out and it's

1245

00:48:28,449 --> 00:48:31,659

also depends on the sunlight so they'll

1246

00:48:30,429 --> 00:48:33,730

come out more at night than they do

1247

00:48:31,659 --> 00:48:35,920

during the day for obvious reasons cool

1248

00:48:33,730 --> 00:48:37,420

and people love petting them definitely

1249

00:48:35,920 --> 00:48:39,880

yep so they love touching their shells

1250

00:48:37,420 --> 00:48:41,019

also looking underneath people don't

1251

00:48:39,880 --> 00:48:42,099

often get to see what it looks like

1252

00:48:41,019 --> 00:48:44,530

underneath and that's quite different

1253

00:48:42,099 --> 00:48:46,509

actually from that angle it looks like a

1254

00:48:44,530 --> 00:48:47,890

really expensive purse because it's

1255
00:48:46,510 --> 00:48:49,180
because all these legs have folded away

1256
00:48:47,889 --> 00:48:50,739
and it just looks like it's a square

1257
00:48:49,179 --> 00:48:52,059
yeah and there's a nice pattern

1258
00:48:50,739 --> 00:48:54,129
underneath as well which is different

1259
00:48:52,059 --> 00:48:55,299
than all of them well most people don't

1260
00:48:54,130 --> 00:48:57,130
know about that because they only see

1261
00:48:55,300 --> 00:48:58,570
them from the top yeah so it's quite

1262
00:48:57,130 --> 00:48:59,650
fascinating when you first see it that's

1263
00:48:58,570 --> 00:49:01,510
right but they're not good for kids

1264
00:48:59,650 --> 00:49:03,820
because they live for a long time and

1265
00:49:01,510 --> 00:49:05,620
kids get bored sometimes exactly yet and

1266
00:49:03,820 --> 00:49:07,300
they might stop caring for them and then

1267
00:49:05,619 --> 00:49:09,159
that's not gonna end well

1268
00:49:07,300 --> 00:49:11,080
I probably wouldn't have them as a pet

1269
00:49:09,159 --> 00:49:12,369
especially if I'm a young kid maybe if

1270
00:49:11,079 --> 00:49:13,690
you're a bit older and you really care

1271
00:49:12,369 --> 00:49:15,819
about turtles then it would be a good

1272
00:49:13,690 --> 00:49:17,289
idea but they need a lot of cares so

1273
00:49:15,820 --> 00:49:18,850
you've got to be prepared to take them

1274
00:49:17,289 --> 00:49:20,619
out of the tank give them a lot of

1275
00:49:18,849 --> 00:49:22,509
exercise whilst they going to get bored

1276
00:49:20,619 --> 00:49:24,730
and good they're going to die young I

1277
00:49:22,510 --> 00:49:27,070
can't say I've ever seen a fat one yeah

1278
00:49:24,730 --> 00:49:29,079
you can you can get fat ones but those

1279
00:49:27,070 --> 00:49:30,730
are generally found in the wild when you

1280
00:49:29,079 --> 00:49:32,799
keep Turtles you can only keep them in a

1281
00:49:30,730 --> 00:49:34,539
tank that has a limited size so they

1282
00:49:32,800 --> 00:49:36,310
eventually grow too big for the tank and

1283

00:49:34,539 --> 00:49:37,659
they have to stop growing and that's the

1284
00:49:36,309 --> 00:49:39,039
case with these guys these guys won't

1285
00:49:37,659 --> 00:49:52,719
get much bigger just because there's not

1286
00:49:39,039 --> 00:49:54,699
enough space available to them hi I'm

1287
00:49:52,719 --> 00:49:56,739
Finn and I'm Rebecca and where the

1288
00:49:54,699 --> 00:49:58,480
skipper clones skipper Collins is an

1289
00:49:56,739 --> 00:50:00,159
Irish podcast by the Dublin skeptics

1290
00:49:58,480 --> 00:50:01,719
society it takes a conversational

1291
00:50:00,159 --> 00:50:03,009
reverent look at science news and

1292
00:50:01,719 --> 00:50:06,519
skeptical topics from an Irish

1293
00:50:03,010 --> 00:50:09,510
perspective you can find us out wws

1294
00:50:06,519 --> 00:50:09,509
capricorns calm

1295
00:50:09,960 --> 00:50:12,960
spirit

1296
00:50:21,389 --> 00:50:29,789
oh oh we fish which may not they're

1297
00:50:26,159 --> 00:50:31,259

great oh sorry mmm mmm thank you for

1298

00:50:29,789 --> 00:50:33,210

listening to the skeptic zone that's

1299

00:50:31,260 --> 00:50:34,800

Richard full mouth Saunders ah you

1300

00:50:33,210 --> 00:50:36,929

caught me I was enjoying the show so

1301

00:50:34,800 --> 00:50:38,880

much i was eating a biscuit was doing

1302

00:50:36,929 --> 00:50:39,779

well quite a show and of course just a

1303

00:50:38,880 --> 00:50:41,460

taste of what's going to be happening

1304

00:50:39,780 --> 00:50:43,080

over the next couple of weeks from this

1305

00:50:41,460 --> 00:50:45,030

convention in canberra people say

1306

00:50:43,079 --> 00:50:46,529

nothing goes on in Canberra and sure

1307

00:50:45,030 --> 00:50:48,330

that's true but this week ended

1308

00:50:46,530 --> 00:50:49,800

something will it's all different this

1309

00:50:48,329 --> 00:50:51,269

weekend and thanks do you mean I know

1310

00:50:49,800 --> 00:50:53,900

you've been running around like the

1311

00:50:51,269 --> 00:50:56,820

flash not with your golden silver

1312
00:50:53,900 --> 00:50:59,010
sparkly coat this time oh no no this

1313
00:50:56,820 --> 00:51:00,960
time no believe you me look look I've

1314
00:50:59,010 --> 00:51:02,280
been spending every passing minute I

1315
00:51:00,960 --> 00:51:04,079
possibly can at the signals intelligence

1316
00:51:02,280 --> 00:51:05,730
unit downtown there and let me tell you

1317
00:51:04,079 --> 00:51:07,170
those people know how to party they do

1318
00:51:05,730 --> 00:51:09,119
we've got hecklers here in the room

1319
00:51:07,170 --> 00:51:11,010
folks I'm sorry to say but it ought be a

1320
00:51:09,119 --> 00:51:12,989
lot coming up in the next few weeks on

1321
00:51:11,010 --> 00:51:14,700
the skeptic zone from the Canberra

1322
00:51:12,989 --> 00:51:16,109
convention with the individual delegates

1323
00:51:14,699 --> 00:51:17,939
and special guests and all sorts of

1324
00:51:16,110 --> 00:51:19,079
things yeah I guess you have to sign off

1325
00:51:17,940 --> 00:51:20,579
now you're going to go back and live in

1326
00:51:19,079 --> 00:51:21,719
the fridge like an all no more lonely

1327
00:51:20,579 --> 00:51:22,829
when you do this from home you go I'm

1328
00:51:21,719 --> 00:51:24,289
just going down to live in the fridge

1329
00:51:22,829 --> 00:51:27,929
for a fortnight need some smoked salmon

1330
00:51:24,289 --> 00:51:29,940
that's what I do between episodes anyway

1331
00:51:27,929 --> 00:51:32,579
for this week its main arden Richard

1332
00:51:29,940 --> 00:51:35,369
signing off from Canberra in the

1333
00:51:32,579 --> 00:51:41,849
Australian Capital Territory the suburb

1334
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