

The Skeptic Zone

Show 266 - 24 Nov 2013

A graphic of a map of Australia, rendered in a light, textured style. The map is centered on a dark background. Overlaid on the map is the text "AUSTRALIAN SKEPTICS NATIONAL CONVENTION 2013" in a bold, sans-serif font. The text is arranged in four lines: "AUSTRALIAN SKEPTICS" at the top, "NATIONAL" in the middle, "CONVENTION" below that, and "2013" at the bottom in a larger font size.

**AUSTRALIAN SKEPTICS
NATIONAL
CONVENTION
2013**

1
00:00:22,380 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:26,710 --> 00:00:24,580
coming to you live from Canberra it's

3
00:00:29,890 --> 00:00:26,720
Richard Saunders hello and welcome to

4
00:00:31,990 --> 00:00:29,900
the skeptics are an episode number 266

5
00:00:34,180 --> 00:00:32,000
there's a secret code in there somewhere

6
00:00:35,680 --> 00:00:34,190
I'm sure coming to you live from the

7
00:00:38,189 --> 00:00:35,690
Australian skeptics National Convention

8
00:00:42,910 --> 00:00:38,199
in Canberra I'm here at a table with

9
00:00:45,100 --> 00:00:42,920
Maynard's here Amanda Jane and a bunch

10
00:00:47,229 --> 00:00:45,110
of biscuits and fantails and lots of

11
00:00:48,910 --> 00:00:47,239
noms and drinks and look that I find

12
00:00:50,890 --> 00:00:48,920
this room could particularly alarming

13
00:00:52,840 --> 00:00:50,900

Richard because I've actually managed to

14

00:00:54,369 --> 00:00:52,850

do the Oprah diet lately which means

15

00:00:56,649 --> 00:00:54,379

identical as know anything she says but

16

00:00:58,090 --> 00:00:56,659

one thing one thing Oprah's said that I

17

00:00:59,469 --> 00:00:58,100

thought was interesting which anyone can

18

00:01:02,020 --> 00:00:59,479

do and it's actually good dietary advice

19

00:01:04,719 --> 00:01:02,030

is fat bust your house don't have

20

00:01:06,070 --> 00:01:04,729

chocolate cakes cookies in it and so my

21

00:01:07,690 --> 00:01:06,080

house doesn't have any of this stuff so

22

00:01:09,550 --> 00:01:07,700

I don't eat it because all here yeah

23

00:01:11,080 --> 00:01:09,560

it's all here because the stuff that is

24

00:01:12,429 --> 00:01:11,090

actually here so I'm going oh my god

25

00:01:13,690 --> 00:01:12,439

this fantails though there's biscuits

26
00:01:15,010 --> 00:01:13,700
and things and most people are going

27
00:01:16,899 --> 00:01:15,020
argue their business pazham going

28
00:01:19,679 --> 00:01:16,909
foreign objects I don't see very often

29
00:01:22,359 --> 00:01:19,689
and we're in the green room yet which is

30
00:01:24,669 --> 00:01:22,369
greenish it's got a green wall over

31
00:01:26,529 --> 00:01:24,679
there it says place for speakers and

32
00:01:27,969 --> 00:01:26,539
other people to hide away and have a

33
00:01:29,410 --> 00:01:27,979
little rest between sessions but it's a

34
00:01:31,569 --> 00:01:29,420
great convention so far we're halfway

35
00:01:33,249 --> 00:01:31,579
through the first day lots of good talks

36
00:01:36,249 --> 00:01:33,259
we had a good night last night with the

37
00:01:37,989 --> 00:01:36,259
discovery after dark look and I have to

38
00:01:40,719 --> 00:01:37,999

congratulate the Canberra skeptics on

39

00:01:43,270 --> 00:01:40,729

putting a very cambron stamp on it here

40

00:01:45,340 --> 00:01:43,280

at the CSIRO and giving it a real flavor

41

00:01:46,660 --> 00:01:45,350

of the Australian Capital Territory I

42

00:01:48,730 --> 00:01:46,670

think they certainly have its our

43

00:01:51,249 --> 00:01:48,740

nation's capital we're actually in the

44

00:01:54,249 --> 00:01:51,259

suburb of action which is named after

45

00:01:57,039 --> 00:01:54,259

action Gough Whitlam who was a superhero

46

00:01:59,649 --> 00:01:57,049

in the 70s and I think soon we got

47

00:02:02,260 --> 00:01:59,659

friend dad that's right uranium that's

48

00:02:03,940 --> 00:02:02,270

right yes mobile phone is exciting it's

49

00:02:05,679 --> 00:02:03,950

exciting but coming up on this week's

50

00:02:07,270 --> 00:02:05,689

show which is equally exciting some bits

51
00:02:08,949 --> 00:02:07,280
about the conventions and little grabs

52
00:02:10,870 --> 00:02:08,959
and bits but coming over the next week's

53
00:02:12,400 --> 00:02:10,880
lots of our main and interviews of

54
00:02:14,230 --> 00:02:12,410
course and I take this opportunity to

55
00:02:15,790 --> 00:02:14,240
personally thank the listeners to the

56
00:02:18,160 --> 00:02:15,800
skeptical zone for pitching in and helping

57
00:02:19,150 --> 00:02:18,170
me get here I'm going to hope I can at

58
00:02:21,520 --> 00:02:19,160
least live up to her

59
00:02:23,200 --> 00:02:21,530
furyk expectations yes where we did

60
00:02:25,720 --> 00:02:23,210
actually get you a full mattress yeah

61
00:02:27,130 --> 00:02:25,730
it's great and let me tell you it hasn't

62
00:02:29,830 --> 00:02:27,140
got much use here but I've been having a

63
00:02:32,290 --> 00:02:29,840

lot of fun looking at it boo boo coming

64

00:02:34,390 --> 00:02:32,300

up this week so I talked to dr. Chris

65

00:02:35,910 --> 00:02:34,400

Peters from sense about science in the

66

00:02:38,020 --> 00:02:35,920

UK he's going to talk about their

67

00:02:39,970 --> 00:02:38,030

outreach which is asking for the

68

00:02:42,430 --> 00:02:39,980

evidence very important task for the

69

00:02:44,110 --> 00:02:42,440

evidence and after that after that we

70

00:02:46,930 --> 00:02:44,120

have an interview you conducted main art

71

00:02:48,760 --> 00:02:46,940

about UFOs that's right folks in the

72

00:02:51,070 --> 00:02:48,770

Hunter Valley and around the newcastle

73

00:02:52,900 --> 00:02:51,080

area there is actually a great UFO flap

74

00:02:55,660 --> 00:02:52,910

at the moment as the English would call

75

00:02:57,010 --> 00:02:55,670

it there's some hot spots I spoke to in

76
00:02:58,930 --> 00:02:57,020
kirkwood a journalist at the new council

77
00:03:01,150 --> 00:02:58,940
morning herald about the hot spots on

78
00:03:02,770 --> 00:03:01,160
the west side of Lake Macquarie and it

79
00:03:05,140 --> 00:03:02,780
seems like Gloucester now he's someone

80
00:03:06,340 --> 00:03:05,150
who's been collating UFO reports and

81
00:03:07,330 --> 00:03:06,350
he's actually got a few he couldn't talk

82
00:03:08,920 --> 00:03:07,340
about because they're going to be coming

83
00:03:11,650 --> 00:03:08,930
out in the Hills shortly so there's a

84
00:03:13,840 --> 00:03:11,660
UFO flap in newcastle at last at last

85
00:03:16,030 --> 00:03:13,850
and for our international listeners run

86
00:03:17,950 --> 00:03:16,040
to our your Maps program in Newcastle is

87
00:03:20,650 --> 00:03:17,960
just a little way north of Sydney that's

88
00:03:22,720 --> 00:03:20,660

right I used to live between you Carson

89
00:03:24,640 --> 00:03:22,730
Sydney I don't remember seeing many UFO

90
00:03:26,830 --> 00:03:24,650
oh there I think he might mention the

91
00:03:28,600 --> 00:03:26,840
famous a UFO incident where a UFO was

92
00:03:30,730 --> 00:03:28,610
reported hovering over a lake in the

93
00:03:32,650 --> 00:03:30,740
Central Coast that's between Sydney nuoc

94
00:03:35,020 --> 00:03:32,660
and sucking up some water that was me

95
00:03:36,880 --> 00:03:35,030
those after a party one night uh-huh

96
00:03:38,290 --> 00:03:36,890
following that we have a weakened

97
00:03:40,030 --> 00:03:38,300
science with dr. Paul Willis from the

98
00:03:41,710 --> 00:03:40,040
Royal Institution of Australia and dr.

99
00:03:43,870 --> 00:03:41,720
Paul Willis is here in fact that the

100
00:03:45,820 --> 00:03:43,880
convention are you I've seen him running

101
00:03:47,620 --> 00:03:45,830
around having a cup of tea yeah and look

102
00:03:49,240 --> 00:03:47,630
in fact everyone is here that's big in

103
00:03:50,710 --> 00:03:49,250
the skeptical movement I've seen plenty

104
00:03:52,090 --> 00:03:50,720
of people with dark glasses hiding

105
00:03:53,350 --> 00:03:52,100
behind cupboards it's been great yeah

106
00:03:57,690 --> 00:03:53,360
that was because of the party last night

107
00:03:59,920 --> 00:03:57,700
but where the man is wearing some

108
00:04:01,990 --> 00:03:59,930
sinister looking glasses but the

109
00:04:03,820 --> 00:04:02,000
convention i must say we were very happy

110
00:04:07,000 --> 00:04:03,830
it kicked off with a live appearance of

111
00:04:08,979 --> 00:04:07,010
james randi he did yet he turned up a

112
00:04:10,600 --> 00:04:08,989
via camera phone and it was very

113
00:04:12,190 --> 00:04:10,610

interesting indeed he showed us some of

114

00:04:14,290 --> 00:04:12,200

these stuff in his office it was great

115

00:04:15,970 --> 00:04:14,300

and he took the time out to make sure it

116

00:04:18,580 --> 00:04:15,980

all lined up we Skyped him and there he

117

00:04:19,659 --> 00:04:18,590

was and the delegates were very happy he

118

00:04:21,099 --> 00:04:19,669

looked like he'd just come back from a

119

00:04:22,780 --> 00:04:21,109

rave or something he looked at me look

120

00:04:24,970 --> 00:04:22,790

at me look a bit disheveled but I think

121

00:04:27,150 --> 00:04:24,980

you've been out partying you can't keep

122

00:04:28,710 --> 00:04:27,160

down James Randi done I do

123

00:04:31,110 --> 00:04:28,720

that's all coming up on this week's show

124

00:04:33,030 --> 00:04:31,120

what why don't we just sit back and

125

00:04:34,680 --> 00:04:33,040

while listeners are listening to the

126
00:04:59,950 --> 00:04:34,690
show I'm going to raid these biscuits

127
00:05:04,100 --> 00:05:02,090
well one of the things that skeptics

128
00:05:05,990 --> 00:05:04,110
should do of course is asked for the

129
00:05:08,420 --> 00:05:06,000
evidence and in fact the motto of

130
00:05:10,190 --> 00:05:08,430
Australian skeptics is seek the evidence

131
00:05:12,500 --> 00:05:10,200
always a good thing for skeptics to try

132
00:05:14,510 --> 00:05:12,510
and do and encourage and on the line

133
00:05:17,150 --> 00:05:14,520
joining me from the UK I've got dr.

134
00:05:19,220 --> 00:05:17,160
Chris Peters from the sense about

135
00:05:22,970 --> 00:05:19,230
science campaign good evening or good

136
00:05:24,830 --> 00:05:22,980
morning Chris good evening rich it's

137
00:05:26,060 --> 00:05:24,840
nice as me that's good morning for me

138
00:05:30,440 --> 00:05:26,070

and good evening for you but that's the

139

00:05:32,210 --> 00:05:30,450

world we live in it did now you are

140

00:05:34,250 --> 00:05:32,220

you're involved the sense about science

141

00:05:36,320 --> 00:05:34,260

in fact a couple of years ago we

142

00:05:37,610 --> 00:05:36,330

interviewed dr. sheila lane from sense

143

00:05:39,920 --> 00:05:37,620

about science when was sort of

144

00:05:42,860 --> 00:05:39,930

relatively new but i wanted to find out

145

00:05:46,100 --> 00:05:42,870

more about the ask for evidence campaign

146

00:05:48,110 --> 00:05:46,110

what's that all about so ask for

147

00:05:50,750 --> 00:05:48,120

evidence is a campaign we've been kind

148

00:05:53,380 --> 00:05:50,760

of running quietly for about 12 or 18

149

00:05:57,110 --> 00:05:53,390

months now and it's basically

150

00:05:59,630 --> 00:05:57,120

encouraging members of the public to ask

151
00:06:02,120 --> 00:05:59,640
for the evidence behind claims that they

152
00:06:06,500 --> 00:06:02,130
come across whether it's in newspapers

153
00:06:08,150 --> 00:06:06,510
on adverts or you know their their

154
00:06:10,760 --> 00:06:08,160
politicians claims that they make in

155
00:06:13,909 --> 00:06:10,770
Parliament we want people to ask for the

156
00:06:17,210 --> 00:06:13,919
evidence because not only is it going to

157
00:06:19,490 --> 00:06:17,220
kind of empower people to kind of start

158
00:06:21,560 --> 00:06:19,500
a conversation about evidence what's

159
00:06:24,320 --> 00:06:21,570
what that all means but it's also going

160
00:06:26,090 --> 00:06:24,330
to hold individuals and organizations

161
00:06:30,200 --> 00:06:26,100
who are making these claims to account

162
00:06:32,540 --> 00:06:30,210
and so what we see as our kind of five

163
00:06:35,570 --> 00:06:32,550

year target is to really have this

164

00:06:37,970 --> 00:06:35,580

culture change where people expect to be

165

00:06:40,970 --> 00:06:37,980

asked for evidence and as a result they

166

00:06:42,860 --> 00:06:40,980

take precautions so that they actually

167

00:06:44,990 --> 00:06:42,870

do make sure their claims are

168

00:06:47,000 --> 00:06:45,000

evidence-based yes we see this quite a

169

00:06:49,010 --> 00:06:47,010

lot especially in media reports and

170

00:06:51,920 --> 00:06:49,020

press releases and from companies saying

171

00:06:54,380 --> 00:06:51,930

scientific research shows or studies

172

00:06:56,600 --> 00:06:54,390

indicate or this product has been

173

00:06:58,340 --> 00:06:56,610

scientifically tested which all sounds

174

00:07:01,519 --> 00:06:58,350

very impressive but quite often it's

175

00:07:04,279 --> 00:07:01,529

it's rather hollow isn't it

176

00:07:05,689 --> 00:07:04,289

exactly exactly I mean we've been kind

177

00:07:06,829 --> 00:07:05,699

of you know different members of the

178

00:07:08,659 --> 00:07:06,839

public have gone out and asked for

179

00:07:10,719 --> 00:07:08,669

evidence behind you know various claims

180

00:07:13,279 --> 00:07:10,729

and it's been really interesting to see

181

00:07:15,529 --> 00:07:13,289

what they've come back with so there's

182

00:07:18,229 --> 00:07:15,539

there's a few examples where someone

183

00:07:20,419 --> 00:07:18,239

asked for evidence behind a detox drink

184

00:07:23,749 --> 00:07:20,429

and of course there was absolutely no

185

00:07:25,489 --> 00:07:23,759

evidence that this drink indeed there

186

00:07:27,919 --> 00:07:25,499

you know did anything on the lines of

187

00:07:30,169 --> 00:07:27,929

detoxification which has quite a narrow

188

00:07:32,929 --> 00:07:30,179

scientific meaning so there's lots of

189

00:07:37,129 --> 00:07:32,939

examples out there of claims that are

190

00:07:40,819 --> 00:07:37,139

based on pseudoscience and are there to

191

00:07:42,769 --> 00:07:40,829

capture the unwary consumer absolutely

192

00:07:45,259 --> 00:07:42,779

and I think that's very important that

193

00:07:46,909 --> 00:07:45,269

consumers are protected I mean it's it's

194

00:07:50,109 --> 00:07:46,919

all very well saying let the buyer

195

00:07:52,909 --> 00:07:50,119

beware but the buyer needs to be given

196

00:07:55,399 --> 00:07:52,919

the right information so they can be

197

00:07:57,829 --> 00:07:55,409

fully informed and again it comes down

198

00:08:00,679 --> 00:07:57,839

to people throwing around scientific

199

00:08:03,679 --> 00:08:00,689

words and terminology and things like

200

00:08:06,229 --> 00:08:03,689

that in order to impress people too well

201
00:08:08,749 --> 00:08:06,239
what quite frankly turn out to be

202
00:08:11,509 --> 00:08:08,759
vacuous claims how long have you been

203
00:08:13,100 --> 00:08:11,519
involved with this particular project so

204
00:08:17,600 --> 00:08:13,110
I've been involved for just over a year

205
00:08:19,249 --> 00:08:17,610
now and we've really seen over this time

206
00:08:21,769 --> 00:08:19,259
that it doesn't take very many people

207
00:08:24,049 --> 00:08:21,779
asking to really kind of make a

208
00:08:26,119 --> 00:08:24,059
difference and that's why we're really

209
00:08:28,850 --> 00:08:26,129
keen to kind of expand the campaign

210
00:08:30,289 --> 00:08:28,860
again more and more people asking and we

211
00:08:32,689 --> 00:08:30,299
really think that kind of skeptic

212
00:08:34,699 --> 00:08:32,699
organizations should be kind of at the

213
00:08:36,619 --> 00:08:34,709

forefront about this because like you

214

00:08:38,360 --> 00:08:36,629

say people are already seeking the

215

00:08:39,920 --> 00:08:38,370

evidence but the more people that do it

216

00:08:41,779 --> 00:08:39,930

the more people that know about the

217

00:08:44,960 --> 00:08:41,789

campaign the more the kind of ask for

218

00:08:48,740 --> 00:08:44,970

evidence mantra kind of permeates

219

00:08:51,319 --> 00:08:48,750

through society and you know the more

220

00:08:52,610 --> 00:08:51,329

people expect and the more people expect

221

00:08:54,590 --> 00:08:52,620

to be asked that's what we're really

222

00:09:09,949 --> 00:08:54,600

asking and I see looking at your website

223

00:09:13,610 --> 00:09:09,959

which is www.hyken.com the embarrassing

224

00:09:15,290 --> 00:09:13,620

body show yeah it did we've got quite a

225

00:09:18,110 --> 00:09:15,300

list of you know high

226

00:09:20,509 --> 00:09:18,120

public figures who basically said they

227

00:09:23,480 --> 00:09:20,519

really support the campaign and they're

228

00:09:25,699 --> 00:09:23,490

really keen for it to kind of go on and

229

00:09:27,050 --> 00:09:25,709

become this all-consuming thing that

230

00:09:29,120 --> 00:09:27,060

we're we're hoping it can really you

231

00:09:31,310 --> 00:09:29,130

know make a culture change one of the

232

00:09:34,940 --> 00:09:31,320

things that we're really keen to to help

233

00:09:37,940 --> 00:09:34,950

with here is that asking for evidence is

234

00:09:39,410 --> 00:09:37,950

often only half the story often it's a

235

00:09:41,329 --> 00:09:39,420

case of helping them understand the

236

00:09:43,910 --> 00:09:41,339

evidence so we had an example where

237

00:09:47,090 --> 00:09:43,920

someone asked for the evidence behind an

238

00:09:48,920 --> 00:09:47,100

energy drink and the claims that you

239

00:09:51,280 --> 00:09:48,930

know this improves athletic performance

240

00:09:54,139 --> 00:09:51,290

you know more than water for example and

241

00:09:57,079 --> 00:09:54,149

they were sent in return something like

242

00:09:58,970 --> 00:09:57,089

a hundred scientific papers now for most

243

00:10:01,310 --> 00:09:58,980

most people that would be the end of the

244

00:10:04,730 --> 00:10:01,320

conversation they don't have the time or

245

00:10:07,579 --> 00:10:04,740

the kind of training to go through these

246

00:10:08,840 --> 00:10:07,589

papers and under in a be able to tell

247

00:10:11,120 --> 00:10:08,850

whether what they've been said is

248

00:10:13,610 --> 00:10:11,130

actually an acceptable amount of

249

00:10:15,560 --> 00:10:13,620

evidence or even they might look at it

250

00:10:17,960 --> 00:10:15,570

and think oh this science what older

251
00:10:19,490 --> 00:10:17,970
claim must be correct so we were able to

252
00:10:22,220 --> 00:10:19,500
kind of get in touch with scientists

253
00:10:24,380 --> 00:10:22,230
familiar with that field and put them in

254
00:10:26,150 --> 00:10:24,390
contact with the person you've made the

255
00:10:28,639 --> 00:10:26,160
ask for evidence request to begin with

256
00:10:31,970 --> 00:10:28,649
and kind of give them a steer on whether

257
00:10:33,590 --> 00:10:31,980
the evidence stood up to scientific

258
00:10:35,240 --> 00:10:33,600
rigor you know were the papers

259
00:10:37,670 --> 00:10:35,250
peer-reviewed for example is a good

260
00:10:39,380 --> 00:10:37,680
question to ask that's a very good point

261
00:10:41,480 --> 00:10:39,390
because there's an old technique which

262
00:10:43,370 --> 00:10:41,490
you've probably heard called Gish

263
00:10:45,530 --> 00:10:43,380

galloping as where you flood your

264

00:10:49,280 --> 00:10:45,540

opposition with so many references and

265

00:10:52,519 --> 00:10:49,290

papers and points of view or science

266

00:10:53,720 --> 00:10:52,529

so-called scientific references and

267

00:10:56,360 --> 00:10:53,730

things like that that they're

268

00:10:57,740 --> 00:10:56,370

floundering this is a technique using

269

00:10:59,960 --> 00:10:57,750

debating where you just flood your

270

00:11:02,000 --> 00:10:59,970

opponent with with endless things that

271

00:11:04,730 --> 00:11:02,010

they cannot possibly refute in the time

272

00:11:07,069 --> 00:11:04,740

allocated so it's sort of a cousin to

273

00:11:09,550 --> 00:11:07,079

that I suppose when when you're flooded

274

00:11:13,280 --> 00:11:09,560

with information that you probably can't

275

00:11:16,250 --> 00:11:13,290

adequately comprehend yeah sounds very

276

00:11:18,550 --> 00:11:16,260

similar sense about science the charity

277

00:11:22,060 --> 00:11:18,560

we've been around for about 10 years and

278

00:11:24,949 --> 00:11:22,070

we've kind of built up a database of

279

00:11:26,510 --> 00:11:24,959

scientists expert specialists and we've

280

00:11:28,850 --> 00:11:26,520

got about 6,000 of them

281

00:11:30,410 --> 00:11:28,860

and so we've got a really strong kind of

282

00:11:32,810 --> 00:11:30,420

group of people that we can go to to

283

00:11:36,320 --> 00:11:32,820

help you don't understand evidence so in

284

00:11:39,020 --> 00:11:36,330

whether it's a claim about Wi-Fi causing

285

00:11:42,890 --> 00:11:39,030

cancer or you know baby's bottles

286

00:11:45,020 --> 00:11:42,900

causing who knows what we've got people

287

00:11:47,540 --> 00:11:45,030

up there who were willing to stand up

288

00:11:49,250 --> 00:11:47,550

for their science kind of give us what

289

00:11:51,590 --> 00:11:49,260

the body of evidence says rather than

290

00:11:54,140 --> 00:11:51,600

perhaps in this case isolated studies

291

00:11:57,710 --> 00:11:54,150

which may or may not be you know

292

00:11:59,270 --> 00:11:57,720

adequate you get many inquiries from the

293

00:12:01,480 --> 00:11:59,280

general public who were maybe a little

294

00:12:05,660 --> 00:12:01,490

bit confused or wanting to know more

295

00:12:07,280 --> 00:12:05,670

yeah we really do I mean a lot of it is

296

00:12:08,750 --> 00:12:07,290

our kind of supporters who we've been

297

00:12:12,590 --> 00:12:08,760

involved with over the years who are

298

00:12:15,500 --> 00:12:12,600

often you know scientists or you know on

299

00:12:17,150 --> 00:12:15,510

road to becoming scientists but we've

300

00:12:19,400 --> 00:12:17,160

seen more and more over the last year

301
00:12:21,230 --> 00:12:19,410
you know friends of theirs kind of one

302
00:12:24,200 --> 00:12:21,240
step removed kind of those kind of

303
00:12:25,670 --> 00:12:24,210
people asking so it's it's definitely a

304
00:12:28,130 --> 00:12:25,680
case of the general public are getting

305
00:12:29,480 --> 00:12:28,140
in touch and beginning to kind of take

306
00:12:31,070 --> 00:12:29,490
on the message of the campaign but what

307
00:12:33,950 --> 00:12:31,080
we really need to do is promote it and

308
00:12:36,560 --> 00:12:33,960
get it further out there I think that's

309
00:12:38,540 --> 00:12:36,570
a very very good idea the more

310
00:12:41,420 --> 00:12:38,550
information that the general public can

311
00:12:42,650 --> 00:12:41,430
receive and even people like like me you

312
00:12:45,200 --> 00:12:42,660
know wanting to find out some more

313
00:12:47,570 --> 00:12:45,210

decent information it's always nice to

314

00:12:52,370 --> 00:12:47,580

have more resources so the website again

315

00:12:54,770 --> 00:12:52,380

is ww sense about science org but

316

00:12:56,540 --> 00:12:54,780

there's also a twitter feed and I

317

00:12:59,300 --> 00:12:56,550

imagine there's a Facebook page is that

318

00:13:01,760 --> 00:12:59,310

right yep sense about science has got a

319

00:13:04,160 --> 00:13:01,770

twitter handle its sense about sigh and

320

00:13:05,420 --> 00:13:04,170

we've also got a facebook page and if

321

00:13:09,110 --> 00:13:05,430

you're going to be tweeting about ask

322

00:13:10,760 --> 00:13:09,120

for evidence use the hashtag ask for

323

00:13:12,170 --> 00:13:10,770

evidence and if you go on the sense

324

00:13:13,610 --> 00:13:12,180

about science website you'll be able to

325

00:13:15,410 --> 00:13:13,620

find the ask for evidence pages where

326

00:13:17,510 --> 00:13:15,420

you can see you know example there's

327

00:13:18,950 --> 00:13:17,520

about 70 or so examples of them

328

00:13:21,100 --> 00:13:18,960

different people you've gone out there

329

00:13:24,920 --> 00:13:21,110

and ask for evidence behind things like

330

00:13:26,450 --> 00:13:24,930

hangover prevention patches or even

331

00:13:30,080 --> 00:13:26,460

thinks that you know politicians are

332

00:13:31,490 --> 00:13:30,090

said in it parliaments that's great yes

333

00:13:34,070 --> 00:13:31,500

i'm just having a quick look at it now

334

00:13:35,630 --> 00:13:34,080

there's all the information the twitter

335

00:13:39,360 --> 00:13:35,640

which everybody should follow since

336

00:13:41,850 --> 00:13:39,370

about sigh as CI using the hashtag

337

00:13:44,190 --> 00:13:41,860

ask for evidence so people can put that

338

00:13:46,860 --> 00:13:44,200

in put their question in there put the

339

00:13:48,390 --> 00:13:46,870

hashtag in and that will come to your

340

00:13:51,360 --> 00:13:48,400

attention I think that's a wonderful

341

00:13:53,130 --> 00:13:51,370

thing well Chris thanks very much for

342

00:13:54,840 --> 00:13:53,140

spending some time to talk about sense

343

00:13:56,040 --> 00:13:54,850

about science with the skeptic zone it's

344

00:13:58,590 --> 00:13:56,050

good to catch up with sense about

345

00:14:00,690 --> 00:13:58,600

science because it's been a couple of

346

00:14:03,180 --> 00:14:00,700

years since we found out what was

347

00:14:06,329 --> 00:14:03,190

happening and I hope we can chat soon

348

00:14:07,740 --> 00:14:06,339

about the any progress great yes you

349

00:14:09,480 --> 00:14:07,750

could stand we've got lots more to talk

350

00:14:23,910 --> 00:14:09,490

about so open up so we can do something

351

00:14:26,250 --> 00:14:23,920

a teacher thanks Chris hi this is Tim

352

00:14:29,190 --> 00:14:26,260

Farley you probably know me from what's

353

00:14:31,350 --> 00:14:29,200

the harm net a catalog of the real world

354

00:14:35,070 --> 00:14:31,360

harm caused by lack of critical thinking

355

00:14:38,280 --> 00:14:35,080

but that's not my only project i present

356

00:14:40,560 --> 00:14:38,290

at skeptic events I post a daily skeptic

357

00:14:43,380 --> 00:14:40,570

history fact on Twitter and Facebook and

358

00:14:46,500 --> 00:14:43,390

I blog about using new techniques on the

359

00:14:49,829 --> 00:14:46,510

internet to advance skepticism come over

360

00:14:53,100 --> 00:14:49,839

to skip tools com and check out my

361

00:14:57,810 --> 00:14:53,110

latest ideas but first enjoy the rest of

362

00:15:05,330 --> 00:15:02,500

here's Maynard spooky action at a

363

00:15:10,130 --> 00:15:08,150

I'm here in interrogation room number

364

00:15:11,960 --> 00:15:10,140

two in Bolton Street of the Newcastle

365

00:15:14,090 --> 00:15:11,970

Herald well oddly enough Lee Harvey

366

00:15:16,340 --> 00:15:14,100

Oswald was held briefly 50 years ago

367

00:15:18,410 --> 00:15:16,350

they didn't find out a sting this month

368

00:15:20,420 --> 00:15:18,420

and i'm here with in kirkwood hi n how

369

00:15:21,710 --> 00:15:20,430

are you I'm well thanks Mona now but how

370

00:15:23,300 --> 00:15:21,720

many years you been writing for The

371

00:15:26,540 --> 00:15:23,310

Herald I started here as a cadet

372

00:15:28,580 --> 00:15:26,550

journalist at the age of 27 in 1987 so a

373

00:15:30,110 --> 00:15:28,590

bit longer than I'd expected but it's a

374

00:15:32,030 --> 00:15:30,120

lovely job I get paid to watch the world

375

00:15:34,010 --> 00:15:32,040

go by and I'm quite happy doing what I

376

00:15:36,500 --> 00:15:34,020

do and in the reason I'm talking to is

377

00:15:38,960 --> 00:15:36,510

because we are currently experiencing a

378

00:15:41,480 --> 00:15:38,970

minor UFO flap in the hunter and

379

00:15:43,310 --> 00:15:41,490

Newcastle so it would appear we were

380

00:15:44,690 --> 00:15:43,320

sent the wonderful world of the Internet

381

00:15:46,430 --> 00:15:44,700

means that the herald mother news

382

00:15:48,350 --> 00:15:46,440

organizations like yourself can be sent

383

00:15:50,630 --> 00:15:48,360

all sorts of weird and wonderful things

384

00:15:52,760 --> 00:15:50,640

from the public two weekends ago we were

385

00:15:55,820 --> 00:15:52,770

sent some photographs taken by a family

386

00:15:58,130 --> 00:15:55,830

at Belmont going coming home after a

387

00:16:00,470 --> 00:15:58,140

meal on the Friday night of an object

388

00:16:02,600 --> 00:16:00,480

that they watched a blue sphere very

389

00:16:05,210 --> 00:16:02,610

bright blue sphere turning from blue to

390

00:16:08,180 --> 00:16:05,220

red and flying and hanging in the sky

391

00:16:09,530 --> 00:16:08,190

traveling around unusual patterns they

392

00:16:12,950 --> 00:16:09,540

took some photographs of them they

393

00:16:14,660 --> 00:16:12,960

emailed the photographs that was Lee

394

00:16:18,080 --> 00:16:14,670

Harvey Oswald they took sensing

395

00:16:20,930 --> 00:16:18,090

photographs to the Herald witch two days

396

00:16:23,570 --> 00:16:20,940

later on the Tuesday i looked at blew up

397

00:16:25,670 --> 00:16:23,580

on our screen and the color wasn't there

398

00:16:28,250 --> 00:16:25,680

but the amazing thing was that in one of

399

00:16:30,950 --> 00:16:28,260

them the single life that you saw on the

400

00:16:34,160 --> 00:16:30,960

other iphone picture broke up into five

401
00:16:36,770 --> 00:16:34,170
or six different spots of light in what

402
00:16:40,430 --> 00:16:36,780
looked to me to be a boomerang or the

403
00:16:41,300 --> 00:16:40,440
front of a wedge shape and to me that

404
00:16:42,710 --> 00:16:41,310
was you know it was something that was

405
00:16:45,740 --> 00:16:42,720
unusual it certainly wasn't a normal

406
00:16:48,850 --> 00:16:45,750
airplane spoke to the people that took

407
00:16:51,380 --> 00:16:48,860
the photograph wrote a story from there

408
00:16:54,470 --> 00:16:51,390
and not only was i contacted by people

409
00:16:56,420 --> 00:16:54,480
that emailed me but the Herald's

410
00:16:58,580 --> 00:16:56,430
facebook page lit up with hundreds and

411
00:17:00,850 --> 00:16:58,590
hundreds of comments some of them

412
00:17:03,380 --> 00:17:00,860
derisive as you'd imagine some of them

413
00:17:05,449 --> 00:17:03,390

you know positive some negative but also

414

00:17:07,220 --> 00:17:05,459

through that we were then sent other

415

00:17:09,890 --> 00:17:07,230

material which we've continued to

416

00:17:13,070 --> 00:17:09,900

investigate now one of those was a video

417

00:17:17,120 --> 00:17:13,080

taken by a Belmont man on the last day

418

00:17:18,630 --> 00:17:17,130

of a sep tember looking in a similar

419

00:17:20,819 --> 00:17:18,640

direction to the person to

420

00:17:23,400 --> 00:17:20,829

later took the photos that they kicked

421

00:17:24,750 --> 00:17:23,410

all this off so this man I mean by Nova

422

00:17:27,540 --> 00:17:24,760

Tom and his surname it eludes me at the

423

00:17:29,670 --> 00:17:27,550

moment took a video from his virender in

424

00:17:31,890 --> 00:17:29,680

Belmont Street basically behind the gun

425

00:17:34,350 --> 00:17:31,900

your hotel looking west then when you

426

00:17:35,640 --> 00:17:34,360

look at this video it's on YouTube and I

427

00:17:37,980 --> 00:17:35,650

think we can probably provide a link for

428

00:17:39,930 --> 00:17:37,990

you you can see the blue light hanging

429

00:17:42,840 --> 00:17:39,940

and once against the blue sphere hang in

430

00:17:44,550 --> 00:17:42,850

the sky seems to be station being

431

00:17:45,990 --> 00:17:44,560

stationary he moves the camera in and

432

00:17:47,610 --> 00:17:46,000

out and I bring it forward and back and

433

00:17:49,740 --> 00:17:47,620

then the light starts to move and you

434

00:17:51,870 --> 00:17:49,750

can quite clearly see it move because

435

00:17:53,520 --> 00:17:51,880

you've got stationary lights from the

436

00:17:55,740 --> 00:17:53,530

western side of Lake Macquarie at the

437

00:17:57,540 --> 00:17:55,750

bottom of the frame and this light moves

438

00:17:59,490 --> 00:17:57,550

you don't get a lot of depth in the

439

00:18:04,200 --> 00:17:59,500

picture so it was interesting enough

440

00:18:07,470 --> 00:18:04,210

when I then tracked him down what he saw

441

00:18:09,240 --> 00:18:07,480

was a light that had flown in as far as

442

00:18:12,450 --> 00:18:09,250

he was concerned had flown in from the

443

00:18:14,550 --> 00:18:12,460

west of the lake had flown over where he

444

00:18:16,290 --> 00:18:14,560

was at Belmont had flown down to the

445

00:18:18,930 --> 00:18:16,300

south of him towards blacksmiths beach

446

00:18:24,840 --> 00:18:18,940

and then had shot back west over the

447

00:18:26,550 --> 00:18:24,850

lake again and that's a horse and Andy

448

00:18:28,740 --> 00:18:26,560

when you listen to this video you'll see

449

00:18:30,030 --> 00:18:28,750

people talking and there it's clearly

450

00:18:31,050 --> 00:18:30,040

not the first time they've seen it

451
00:18:32,310 --> 00:18:31,060
because they're saying well this you

452
00:18:35,190 --> 00:18:32,320
know this is what your father saw the

453
00:18:37,290 --> 00:18:35,200
other night so we've now had two

454
00:18:38,730 --> 00:18:37,300
sightings of this blue spherical object

455
00:18:41,700 --> 00:18:38,740
and it also changed color so it goes

456
00:18:44,040 --> 00:18:41,710
from blue to red and it's clearly

457
00:18:46,740 --> 00:18:44,050
traveling in a way that it stops and

458
00:18:49,560 --> 00:18:46,750
starts and flies in not an aeroplane

459
00:18:51,090 --> 00:18:49,570
type fashion any chance of being some

460
00:18:52,980 --> 00:18:51,100
sort of remote vehicle or some sort of

461
00:18:54,870 --> 00:18:52,990
remote toils I know that you know it

462
00:18:56,490 --> 00:18:54,880
could be and people have written in that

463
00:18:58,380 --> 00:18:56,500

sort of suggestion and I think without

464

00:18:59,400 --> 00:18:58,390

some sort of detail analysis at the film

465

00:19:03,090 --> 00:18:59,410

you've got to say well that's quite a

466

00:19:05,430 --> 00:19:03,100

possibility but my looking at it is that

467

00:19:07,020 --> 00:19:05,440

it doesn't appear to be moving I mean to

468

00:19:09,540 --> 00:19:07,030

travel such a distance that I would sort

469

00:19:10,860 --> 00:19:09,550

of discount that sort of thing and yes

470

00:19:12,510 --> 00:19:10,870

you could have a you know a little

471

00:19:14,940 --> 00:19:12,520

gyrocopters up there something like that

472

00:19:16,890 --> 00:19:14,950

but this was an intense blue light that

473

00:19:18,240 --> 00:19:16,900

looks you know it's something the size

474

00:19:20,040 --> 00:19:18,250

of a helicopter or something it's not

475

00:19:22,470 --> 00:19:20,050

small you know so i would say probably

476

00:19:23,460 --> 00:19:22,480

not and in what way does the publicity

477

00:19:24,960 --> 00:19:23,470

from the paper

478

00:19:27,149 --> 00:19:24,970

another than media outlets in areas

479

00:19:28,140 --> 00:19:27,159

drive these people to come out the

480

00:19:29,610 --> 00:19:28,150

woodwork do you think people are always

481

00:19:31,049 --> 00:19:29,620

seeing these things all the time and

482

00:19:33,000 --> 00:19:31,059

when something like this comes up they

483

00:19:35,130 --> 00:19:33,010

contact you or you giving it the

484

00:19:38,370 --> 00:19:35,140

publicity makes people go looking more I

485

00:19:39,450 --> 00:19:38,380

think it's the former I yeah there's

486

00:19:41,159 --> 00:19:39,460

obviously when something like this

487

00:19:43,020 --> 00:19:41,169

happens people write in and then you

488

00:19:44,250 --> 00:19:43,030

then look at see whether things that are

489

00:19:45,870 --> 00:19:44,260

being sent to you and newsworthy and so

490

00:19:47,880 --> 00:19:45,880

you keep the story going if you like and

491

00:19:50,430 --> 00:19:47,890

I wrote three stories last week plus a

492

00:19:52,880 --> 00:19:50,440

column on it the third story I went

493

00:19:54,960 --> 00:19:52,890

looking for people both in the straight

494

00:19:58,169 --> 00:19:54,970

Meteorological Society if you like and

495

00:19:59,850 --> 00:19:58,179

also in the UFO community and a person

496

00:20:02,399 --> 00:19:59,860

from Queensland that I spoke to from the

497

00:20:04,500 --> 00:20:02,409

UFO community said you know what writing

498

00:20:08,250 --> 00:20:04,510

about this does in mainstream media is

499

00:20:09,960 --> 00:20:08,260

that it empowers people to speak up in a

500

00:20:11,730 --> 00:20:09,970

way that they wouldn't otherwise because

501
00:20:13,500 --> 00:20:11,740
they can see it makes it makes it

502
00:20:15,180 --> 00:20:13,510
legitimate it's being treated seriously

503
00:20:19,279 --> 00:20:15,190
and they're not going to be ridiculed

504
00:20:21,779 --> 00:20:19,289
for it so look I've received a number of

505
00:20:23,250 --> 00:20:21,789
emails from people who've given me

506
00:20:25,080 --> 00:20:23,260
contact detail some of them are sent me

507
00:20:26,850 --> 00:20:25,090
photographs that I can't explain at the

508
00:20:28,169 --> 00:20:26,860
moment but rather than put them up

509
00:20:29,760 --> 00:20:28,179
immediately without looking at them

510
00:20:32,370 --> 00:20:29,770
having them ridiculed I'm your dual bit

511
00:20:35,250 --> 00:20:32,380
more research this time also if you look

512
00:20:36,960 --> 00:20:35,260
at the Herald Facebook page you'll see

513
00:20:38,039 --> 00:20:36,970

people that are written in there you

514

00:20:39,270 --> 00:20:38,049

know they put their names and their

515

00:20:40,710 --> 00:20:39,280

phone numbers there and they've said

516

00:20:43,380 --> 00:20:40,720

look please you don't speak to us we've

517

00:20:44,850 --> 00:20:43,390

seen similar sorts of things are you

518

00:20:45,960 --> 00:20:44,860

going to get some photographic experts

519

00:20:47,909 --> 00:20:45,970

to have a look at these photos and

520

00:20:49,440 --> 00:20:47,919

videos look i have i have actually

521

00:20:51,210 --> 00:20:49,450

really wait what we're going to do yet I

522

00:20:52,680 --> 00:20:51,220

mean unfortunately this is really you

523

00:20:54,270 --> 00:20:52,690

know it's a sideline to medallion work

524

00:20:56,159 --> 00:20:54,280

which is usually perhaps a bit more

525

00:20:58,320 --> 00:20:56,169

serious on mainstream issues in this so

526

00:20:59,640 --> 00:20:58,330

I've got to do a fair bit of a mountain

527

00:21:01,470 --> 00:20:59,650

time but actually actually as a

528

00:21:03,149 --> 00:21:01,480

journalist it is it a bit of a worry

529

00:21:04,830 --> 00:21:03,159

feeder to do these things because it's

530

00:21:06,659 --> 00:21:04,840

somehow you lose some credibility by

531

00:21:07,919 --> 00:21:06,669

touching these items I know that happens

532

00:21:10,649 --> 00:21:07,929

to me that I have that problem anyway

533

00:21:12,360 --> 00:21:10,659

well if it if it does no one's said

534

00:21:14,250 --> 00:21:12,370

anything to me and I'd like to think not

535

00:21:16,169 --> 00:21:14,260

but yeah I think there will always be

536

00:21:18,630 --> 00:21:16,179

those people that ridicule these sorts

537

00:21:21,029 --> 00:21:18,640

of things my without straying too much

538

00:21:23,580 --> 00:21:21,039

into my family life my own wife is very

539

00:21:25,230 --> 00:21:23,590

much an empiricist if she can't see a

540

00:21:27,720 --> 00:21:25,240

mathematical equation for something she

541

00:21:29,789 --> 00:21:27,730

doesn't know John skeptics you said

542

00:21:32,760 --> 00:21:29,799

searches for to the audience she says to

543

00:21:35,370 --> 00:21:32,770

me that my interest in this is a bit

544

00:21:36,419 --> 00:21:35,380

like a religious experience where we're

545

00:21:37,739 --> 00:21:36,429

all so

546

00:21:39,960 --> 00:21:37,749

in one way or another for something that

547

00:21:41,039 --> 00:21:39,970

validates our lives now I haven't

548

00:21:42,389 --> 00:21:41,049

stopped to think about that until she

549

00:21:44,489 --> 00:21:42,399

mentioned it recently and I think

550

00:21:46,139 --> 00:21:44,499

there's possibly an element of that in

551
00:21:50,810 --> 00:21:46,149
what I'm doing and what other people are

552
00:21:54,029 --> 00:21:50,820
doing but I've long believed that a

553
00:21:55,739 --> 00:21:54,039
universe that is supposedly 13 billion

554
00:22:00,389 --> 00:21:55,749
years old that is 13 billion light-years

555
00:22:02,549 --> 00:22:00,399
across that has an simply uncountable

556
00:22:05,039 --> 00:22:02,559
number of billions of planetary systems

557
00:22:08,159 --> 00:22:05,049
and galaxies we cannot be the only

558
00:22:09,720 --> 00:22:08,169
living thing now the conventional answer

559
00:22:12,269 --> 00:22:09,730
to that is yes we may not be but the

560
00:22:13,590 --> 00:22:12,279
distances between the unep arts of the

561
00:22:15,259 --> 00:22:13,600
universe are so great that you can't

562
00:22:18,450 --> 00:22:15,269
physically travel there in a lifetime

563
00:22:20,580 --> 00:22:18,460

but the answer to that of you listen to

564

00:22:22,499 --> 00:22:20,590

UF own law is that these people these

565

00:22:24,119 --> 00:22:22,509

beings have already found a way to

566

00:22:27,029 --> 00:22:24,129

travel through those dimensional you

567

00:22:28,799 --> 00:22:27,039

know issues or if you look at the scale

568

00:22:30,810 --> 00:22:28,809

of things what we think to be a long

569

00:22:32,279 --> 00:22:30,820

time you know might not be a long time

570

00:22:33,840 --> 00:22:32,289

in the same way that I don't suppose a

571

00:22:35,519 --> 00:22:33,850

fly realizes these are live for two

572

00:22:38,100 --> 00:22:35,529

weeks and dies you know that's a long

573

00:22:40,169 --> 00:22:38,110

time for him myself now in where was the

574

00:22:42,060 --> 00:22:40,179

hot spot where is the portal for these

575

00:22:43,320 --> 00:22:42,070

sightings in the hunter is is there one

576
00:22:46,019 --> 00:22:43,330
that you're more likely to sound unusual

577
00:22:48,480 --> 00:22:46,029
things in the sky than anywhere else no

578
00:22:49,799 --> 00:22:48,490
I don't think so but I that the

579
00:22:52,379 --> 00:22:49,809
sightings that have come up a lot of

580
00:22:55,320 --> 00:22:52,389
them do sin to be in Lake Macquarie the

581
00:22:57,899 --> 00:22:55,330
other area is north of you up towards

582
00:22:59,759 --> 00:22:57,909
Gloucester I've located a few more

583
00:23:01,769 --> 00:22:59,769
sightings up there that I can't quite

584
00:23:04,350 --> 00:23:01,779
share with you yet but their and their

585
00:23:05,789 --> 00:23:04,360
sightings that supposedly Williamtown

586
00:23:08,279 --> 00:23:05,799
air base has been involved with as well

587
00:23:09,539 --> 00:23:08,289
allegedly scrambling jets now they we've

588
00:23:11,009 --> 00:23:09,549

put these questions to the air base

589

00:23:13,080 --> 00:23:11,019

before and they've always denied there's

590

00:23:14,430 --> 00:23:13,090

been any activity but the people that

591

00:23:16,710 --> 00:23:14,440

have made these claims insist that

592

00:23:18,419 --> 00:23:16,720

they've seen strange things fly through

593

00:23:22,169 --> 00:23:18,429

the sky and then ref jets following them

594

00:23:23,730 --> 00:23:22,179

well and look yeah it is a real mystery

595

00:23:24,930 --> 00:23:23,740

isn't it and even if it is just someone

596

00:23:26,609 --> 00:23:24,940

having a bit of a hoax over the lake

597

00:23:28,080 --> 00:23:26,619

with a flying aircraft even that itself

598

00:23:33,570 --> 00:23:28,090

is a pretty interesting little story

599

00:23:37,789 --> 00:23:33,580

well I don't think why would people go

600

00:23:39,989 --> 00:23:37,799

to these links to hoax I mean yes we

601
00:23:41,190 --> 00:23:39,999
people say odds are homes as this or

602
00:23:43,019 --> 00:23:41,200
that but you know think about it it

603
00:23:44,700 --> 00:23:43,029
takes so especially for people that and

604
00:23:45,840 --> 00:23:44,710
there's a circuit where you can see

605
00:23:47,159 --> 00:23:45,850
people go out and speak about these

606
00:23:49,379 --> 00:23:47,169
things at length and they take their

607
00:23:51,419 --> 00:23:49,389
slides and things I mean

608
00:23:53,099 --> 00:23:51,429
it's an incredible act to try and want

609
00:23:54,329 --> 00:23:53,109
to maintain a belief in something like

610
00:23:56,249 --> 00:23:54,339
that if you don't really believe that a

611
00:23:58,859 --> 00:23:56,259
minute if no one's gonna make money

612
00:24:00,389 --> 00:23:58,869
standing there in an RSL club and whoop

613
00:24:02,459 --> 00:24:00,399

up talking to 30 people you know it's

614

00:24:04,829 --> 00:24:02,469

not something you do for fun you know

615

00:24:06,959 --> 00:24:04,839

people obviously believe these things

616

00:24:10,019 --> 00:24:06,969

and the amazing thing about the net is

617

00:24:11,279 --> 00:24:10,029

that it does give you instant contact

618

00:24:13,229 --> 00:24:11,289

with people that you would not otherwise

619

00:24:14,579 --> 00:24:13,239

have been able to meet so I've got no

620

00:24:17,249 --> 00:24:14,589

doubt there's been an explosion of

621

00:24:20,249 --> 00:24:17,259

interest in conspiracy theories and and

622

00:24:22,289 --> 00:24:20,259

UF ology since the internet and since

623

00:24:24,539 --> 00:24:22,299

google has enabled us to instantly get

624

00:24:26,099 --> 00:24:24,549

where we need to get previously you'd go

625

00:24:27,359 --> 00:24:26,109

down you buy a book and you see a

626
00:24:29,639 --> 00:24:27,369
reference and maybe go and get another

627
00:24:31,769 --> 00:24:29,649
book now you can literally contact

628
00:24:33,449 --> 00:24:31,779
people as I do in this as a journalist

629
00:24:35,190 --> 00:24:33,459
you want to find someone you look them

630
00:24:37,409 --> 00:24:35,200
up you find their email you write them

631
00:24:39,389 --> 00:24:37,419
an email and amazingly a day later or an

632
00:24:41,069 --> 00:24:39,399
hour later they write back so within

633
00:24:45,149 --> 00:24:41,079
hours of the first article appearing

634
00:24:46,739 --> 00:24:45,159
last week I had emails from UFO hunters

635
00:24:48,209 --> 00:24:46,749
if you like in the United States about

636
00:24:50,789 --> 00:24:48,219
the first article that we published the

637
00:24:52,440 --> 00:24:50,799
Newcastle Herald and it found its way to

638
00:24:54,719 --> 00:24:52,450

the states within hours have been

639

00:24:56,459 --> 00:24:54,729

published it's quite extraordinary then

640

00:24:58,560 --> 00:24:56,469

I'll also limited to see what you

641

00:25:00,509 --> 00:24:58,570

uncover in the hunter because this

642

00:25:01,979 --> 00:25:00,519

current flap has just uncovered a lot of

643

00:25:03,629 --> 00:25:01,989

things and I want to see if people

644

00:25:04,859 --> 00:25:03,639

coming out talking about sightings in

645

00:25:07,499 --> 00:25:04,869

the past I want to know what's gone on

646

00:25:08,849 --> 00:25:07,509

here hmm well yeah I don't mean I don't

647

00:25:12,209 --> 00:25:08,859

know what's going on either I do know

648

00:25:13,379 --> 00:25:12,219

that well I just been sent some material

649

00:25:15,539 --> 00:25:13,389

now which includes a number of

650

00:25:17,609 --> 00:25:15,549

historical you know sightings in in the

651
00:25:19,079 --> 00:25:17,619
hunter I mean there have been there was

652
00:25:20,909 --> 00:25:19,089
a book written in the 90s which my

653
00:25:22,469 --> 00:25:20,919
colleague Joanne McCarthy wrote about

654
00:25:24,690 --> 00:25:22,479
inside those paper i think it's called

655
00:25:26,669 --> 00:25:24,700
the gosford files and that was a

656
00:25:30,839 --> 00:25:26,679
collection of UFO sightings on the

657
00:25:32,399 --> 00:25:30,849
central coast which was spawned by a

658
00:25:34,229 --> 00:25:32,409
sighting which is recorded in the

659
00:25:36,209 --> 00:25:34,239
Central Coast Newspapers and one of the

660
00:25:37,739 --> 00:25:36,219
one of the one of the sources for this

661
00:25:40,469 --> 00:25:37,749
story was a serving Central Coast

662
00:25:41,940 --> 00:25:40,479
policeman who swears he saw a UFO come

663
00:25:43,769 --> 00:25:41,950

down sucking water up out of the lake

664

00:25:47,039 --> 00:25:43,779

now that's was the source of that book

665

00:25:48,719 --> 00:25:47,049

and those articles reported by Jason

666

00:25:50,819 --> 00:25:48,729

Gordon colleague of ours works here now

667

00:25:52,680 --> 00:25:50,829

is off at the moment but he wrote those

668

00:25:54,629 --> 00:25:52,690

newspaper stories and the book the

669

00:25:56,100 --> 00:25:54,639

gospel files is dedicated to him because

670

00:25:57,900 --> 00:25:56,110

of his reporting on that

671

00:26:00,270 --> 00:25:57,910

I look forward to see what you uncover

672

00:26:13,299 --> 00:26:00,280

here in the hunter and if I do disappear

673

00:26:17,900 --> 00:26:16,100

virtual skeptics is a weekly web show in

674

00:26:20,210 --> 00:26:17,910

which we discuss the latest news in

675

00:26:21,680 --> 00:26:20,220

skepticism whether it's a new case of

676

00:26:23,900 --> 00:26:21,690

spontaneous human combustion a

677

00:26:26,120 --> 00:26:23,910

conspiracy theory the latest update on

678

00:26:27,770 --> 00:26:26,130

the upcoming robot apocalypse tech news

679

00:26:30,260 --> 00:26:27,780

for skeptics are the latest wacky

680

00:26:32,659 --> 00:26:30,270

religious claim we cover it all we

681

00:26:35,299 --> 00:26:32,669

record the show live as a Google+ on-air

682

00:26:37,130 --> 00:26:35,309

hangout so join us in our host Brian

683

00:26:39,230 --> 00:26:37,140

Gregory for an hour of mostly

684

00:26:42,140 --> 00:26:39,240

intelligent talk every wednesday at

685

00:26:45,169 --> 00:26:42,150

eight pm eastern US time watch us at

686

00:26:47,810 --> 00:26:45,179

virtual skeptics calm and participate in

687

00:26:50,750 --> 00:26:47,820

the show on our hashtag virtual skeptics

688

00:26:55,130 --> 00:26:50,760

the virtual skeptics it's like meet the

689

00:26:57,350 --> 00:26:55,140

press but with chupacabras welcome to a

690

00:26:59,350 --> 00:26:57,360

week in science from our iOS bringing

691

00:27:02,659 --> 00:26:59,360

you the science news you need to know

692

00:27:05,960 --> 00:27:02,669

new space neutrinos evacuate evacuate

693

00:27:10,220 --> 00:27:05,970

and overconfident quiz cheats that's

694

00:27:17,280 --> 00:27:12,720

imagine you're in a crowded building and

695

00:27:19,170 --> 00:27:17,290

then you hear this which exit are you

696

00:27:20,910 --> 00:27:19,180

going to take scientists developed an

697

00:27:23,850 --> 00:27:20,920

online game to test whether people

698

00:27:26,700 --> 00:27:23,860

responded better to memorized evacuation

699

00:27:28,920 --> 00:27:26,710

instructions exit signs or whether they

700

00:27:30,990 --> 00:27:28,930

just follow the crowd when people were

701

00:27:33,510 --> 00:27:31,000

given conflicting instructions such as

702

00:27:35,880 --> 00:27:33,520

seeing other people using one door but a

703

00:27:38,340 --> 00:27:35,890

clear exit sign on another they made

704

00:27:40,980 --> 00:27:38,350

unpredictable and irrational evacuation

705

00:27:42,840 --> 00:27:40,990

decisions understanding why we make

706

00:27:45,840 --> 00:27:42,850

these decisions will help to develop

707

00:27:48,000 --> 00:27:45,850

better evacuation procedures you can

708

00:27:52,290 --> 00:27:48,010

test your response to this game we have

709

00:27:54,140 --> 00:27:52,300

a link on our website scientists at the

710

00:27:57,420 --> 00:27:54,150

South Pole have been celebrating after

711

00:27:59,850 --> 00:27:57,430

detecting Astrophysical neutrinos for

712

00:28:02,220 --> 00:27:59,860

the first time this rare type of

713

00:28:05,070 --> 00:28:02,230

neutrino comes from outside our solar

714

00:28:07,290 --> 00:28:05,080

system and is a very high energy nearly

715

00:28:09,930 --> 00:28:07,300

massless particle that is smaller than

716

00:28:12,420 --> 00:28:09,940

an atom sensors buried deep at the South

717

00:28:14,490 --> 00:28:12,430

Pole have reliably detected the special

718

00:28:16,800 --> 00:28:14,500

particles for the first time potentially

719

00:28:19,110 --> 00:28:16,810

carrying information about distant parts

720

00:28:21,450 --> 00:28:19,120

of the galaxy this discovery will lead

721

00:28:24,120 --> 00:28:21,460

to new ways to explore how our universe

722

00:28:27,090 --> 00:28:24,130

works allowing us to probe the far

723

00:28:29,250 --> 00:28:27,100

reaches of the galaxy and beyond you're

724

00:28:32,820 --> 00:28:29,260

listening to a week in science from our

725

00:28:37,110 --> 00:28:32,830

iOS and now four sides headlines in 30

726
00:28:39,900 --> 00:28:37,120
seconds greenhouse gas emissions have

727
00:28:42,120 --> 00:28:39,910
reached an all-time high with annual co2

728
00:28:45,390 --> 00:28:42,130
emissions having risen fifty-eight

729
00:28:47,880 --> 00:28:45,400
percent since 1990 spending just five

730
00:28:51,180 --> 00:28:47,890
dollars extra on health care per person

731
00:28:55,080 --> 00:28:51,190
in developing countries could save 147

732
00:28:57,480 --> 00:28:55,090
million kids by 2035 but only if we

733
00:28:59,850 --> 00:28:57,490
spend it in the right way unusual EI

734
00:29:02,280 --> 00:28:59,860
Nino events will occur twice as often in

735
00:29:04,950 --> 00:29:02,290
the future even based on a conservative

736
00:29:07,740 --> 00:29:04,960
global warming scenario and people who

737
00:29:09,600 --> 00:29:07,750
use Google to find quiz answers actually

738
00:29:13,200 --> 00:29:09,610

think they're smarter than people who

739

00:29:15,300 --> 00:29:13,210

rely on their brain alone don't forget

740

00:29:17,190 --> 00:29:15,310

to watch science behind the headlines on

741

00:29:19,950 --> 00:29:17,200

Tuesday night where we'll be looking at

742

00:29:21,720 --> 00:29:19,960

those holiday blues that's all for this

743

00:29:34,480 --> 00:29:21,730

a week in science I'll catch you next

744

00:29:40,490 --> 00:29:37,340

the skeptic magazine the journal from

745

00:29:42,710 --> 00:29:40,500

Australian skeptics subscribe online to

746

00:29:48,100 --> 00:29:42,720

the world's second oldest skeptical

747

00:29:51,200 --> 00:29:48,110

magazine visit w WC oau and click the

748

00:29:55,580 --> 00:29:51,210

publication's league you can also find

749

00:29:58,700 --> 00:29:55,590

their over 30 years on back issues free

750

00:30:19,430 --> 00:29:58,710

to download the skeptic magazine from

751

00:30:21,620 --> 00:30:19,440

Australian skeptics why don't we just

752

00:30:24,770 --> 00:30:21,630

start at the beginning folks i'm here at

753

00:30:26,720 --> 00:30:24,780

the CSIRO secret research center we're

754

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

downstairs they're working on cold

755

00:30:30,590 --> 00:30:28,350

fusion and other interesting stuff but

756

00:30:32,000 --> 00:30:30,600

i'm here with oh well now will you from

757

00:30:34,430 --> 00:30:32,010

hall work this great nation of ours

758

00:30:36,980 --> 00:30:34,440

canberra know you but you caught a cab

759

00:30:38,180 --> 00:30:36,990

here yeah well actually i'm not coming

760

00:30:40,610 --> 00:30:38,190

to the invention unfortunately but I'm

761

00:30:42,080 --> 00:30:40,620

he denied so okay so what it was bit

762

00:30:43,669 --> 00:30:42,090

what I have to what they wouldn't let

763

00:30:47,210 --> 00:30:43,679

you was there an incident you gonna go

764

00:30:49,010 --> 00:30:47,220

it's fam family issues we certainly will

765

00:30:51,260 --> 00:30:49,020

understand up the other things to do is

766

00:30:52,640 --> 00:30:51,270

look because it's all about conspiracies

767

00:30:54,740 --> 00:30:52,650

this weekend what is your favorite

768

00:30:58,670 --> 00:30:54,750

conspiracy you must have one

769

00:30:59,870 --> 00:30:58,680

oh I don't know really oh you've got

770

00:31:02,510 --> 00:30:59,880

you've stuck me I'm afraid what's a

771

00:31:05,060 --> 00:31:02,520

favorite conspiracy Wow because i

772

00:31:07,700 --> 00:31:05,070

thought the the new one on the oj of

773

00:31:09,530 --> 00:31:07,710

sight k one was interesting the it was a

774

00:31:11,180 --> 00:31:09,540

Secret Service agent i thought that's

775

00:31:12,950 --> 00:31:11,190

about the only plausible conspiracy i've

776

00:31:16,040 --> 00:31:12,960

heard at all i think because its biggest

777

00:31:17,420 --> 00:31:16,050

involves an effort yes that's right and

778

00:31:19,160 --> 00:31:17,430

we all know that they're actually more

779

00:31:21,500 --> 00:31:19,170

likely yeah well exactly that's how

780

00:31:23,510 --> 00:31:21,510

things go how would you describe the

781

00:31:26,480 --> 00:31:23,520

crowd here it's a Canberra skeptics

782

00:31:32,600 --> 00:31:26,490

National Convention and it's a type of

783

00:31:35,440 --> 00:31:32,610

person you know all ages all walks of

784

00:31:38,720 --> 00:31:35,450

life yeah and then it's not overly nerdy

785

00:31:41,060 --> 00:31:38,730

are there are some nerds he are awesome

786

00:31:43,520 --> 00:31:41,070

what's your specialty surf a lot of

787

00:31:45,290 --> 00:31:43,530

locked up to hurry oh okay so you'd be

788

00:31:50,150 --> 00:31:45,300

excited about the 50 years this weekend

789

00:31:52,070 --> 00:31:50,160

yeah no no no Doctor Who star trek okay

790

00:31:53,780 --> 00:31:52,080

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

791

00:31:55,460 --> 00:31:53,790

massive schism there I know the two

792

00:31:57,920 --> 00:31:55,470

sides don't get on how do you go with

793

00:32:00,230 --> 00:31:57,930

that um slightly towards Doctor Who am

794

00:32:02,540 --> 00:32:00,240

afraid okay is what's the problem with

795

00:32:05,420 --> 00:32:02,550

Star Trek is just Americanism is it a

796

00:32:08,330 --> 00:32:05,430

bit militaristic hots all right what say

797

00:32:10,370 --> 00:32:08,340

it well it's it's it's a little bit more

798

00:32:12,620 --> 00:32:10,380

plausible in some respects but doctor

799

00:32:14,810 --> 00:32:12,630

who's more entertaining but what's a bit

800

00:32:16,790 --> 00:32:14,820

better are they well that's great I mean

801
00:32:18,650 --> 00:32:16,800
also he basically turns up where people

802
00:32:20,150 --> 00:32:18,660
don't expect him to turn up at a time

803
00:32:22,090 --> 00:32:20,160
that he's not expected to be there and

804
00:32:23,680 --> 00:32:22,100
well that's your story really isn't

805
00:32:27,250 --> 00:32:23,690
I think the concepts of any place any

806
00:32:29,230 --> 00:32:27,260
time is pretty mind-blowing of course

807
00:32:31,270 --> 00:32:29,240
we're here at the canberra suburb of

808
00:32:33,159 --> 00:32:31,280
action as i like to call it it's a great

809
00:32:35,500 --> 00:32:33,169
suburban who we got here from the CSIRO

810
00:32:37,390 --> 00:32:35,510
I'm Stephanie routley and what are you

811
00:32:38,980 --> 00:32:37,400
doing in the foyer here at the launch

812
00:32:40,750 --> 00:32:38,990
here this afternoon we have a few

813
00:32:42,340 --> 00:32:40,760

different experiments but right now we

814

00:32:45,370 --> 00:32:42,350

have a couple of stick insects some

815

00:32:47,710 --> 00:32:45,380

Giants finally stick insects now I got

816

00:32:50,680 --> 00:32:47,720

the huntsman spiders scare the poop out

817

00:32:51,909 --> 00:32:50,690

of me these are much bigger now you say

818

00:32:53,200 --> 00:32:51,919

these are from the east coast of

819

00:32:54,909 --> 00:32:53,210

Australia what do they eat their

820

00:32:57,399 --> 00:32:54,919

vegetarian they are in fact there for

821

00:32:59,289 --> 00:32:57,409

Liveris so they only eat gum leaves so

822

00:33:01,419 --> 00:32:59,299

only eucalyptus companies and just by

823

00:33:03,340 --> 00:33:01,429

the fact that they look horrifying they

824

00:33:04,990 --> 00:33:03,350

actually are quite quite pathetic they

825

00:33:06,340 --> 00:33:05,000

can't actually doing very much to defend

826

00:33:08,500 --> 00:33:06,350

themselves they're not aggressive in any

827

00:33:10,419 --> 00:33:08,510

way so they're not hunt well I mean in

828

00:33:11,380 --> 00:33:10,429

fact there quiet-like husbands and that

829

00:33:14,470 --> 00:33:11,390

they don't actually do anything

830

00:33:16,570 --> 00:33:14,480

aggressive and what's their part in the

831

00:33:18,610 --> 00:33:16,580

ecosystem they get rid of old gum leaves

832

00:33:20,200 --> 00:33:18,620

aren't any good what's their part they

833

00:33:22,360 --> 00:33:20,210

like the tastiest ones you know

834

00:33:24,279 --> 00:33:22,370

naturally but actually they have a very

835

00:33:25,810 --> 00:33:24,289

interesting relationship with ants so

836

00:33:27,789 --> 00:33:25,820

the female stick insects when they have

837

00:33:29,409 --> 00:33:27,799

their babies they drop their eggs out

838

00:33:31,450 --> 00:33:29,419

onto the forest floor but they attach a

839

00:33:32,710 --> 00:33:31,460

little caps you love sugar and the

840

00:33:34,570 --> 00:33:32,720

reason they attach a little capsule of

841

00:33:36,909 --> 00:33:34,580

sugar is so at the ants that live all

842

00:33:39,010 --> 00:33:36,919

over the first floor obviously and can

843

00:33:41,230 --> 00:33:39,020

also carry eight times their body weight

844

00:33:42,730 --> 00:33:41,240

come and pick up the eggs with a capsule

845

00:33:44,710 --> 00:33:42,740

of sugar touch and they take it back to

846

00:33:46,649 --> 00:33:44,720

their nest so that they can share the

847

00:33:49,330 --> 00:33:46,659

sugar around with the rest of the colony

848

00:33:51,130 --> 00:33:49,340

but what's fascinating is they eat the

849

00:33:52,330 --> 00:33:51,140

sugar of the stick insect babies but

850

00:33:54,279 --> 00:33:52,340

they don't actually eat the egg itself

851
00:33:55,659 --> 00:33:54,289
and the reason they don't eat the egg

852
00:33:58,720 --> 00:33:55,669
itself is because they have the same

853
00:34:00,970 --> 00:33:58,730
pheromones as baby ants they smell

854
00:34:03,310 --> 00:34:00,980
exactly the same and so that's an

855
00:34:04,870 --> 00:34:03,320
example of a symbiotic relationship in

856
00:34:06,549 --> 00:34:04,880
the environment whereby you have two

857
00:34:07,930 --> 00:34:06,559
animals living in harmony and aiding the

858
00:34:10,359 --> 00:34:07,940
development of the other one so in this

859
00:34:12,190 --> 00:34:10,369
situation the ants are are receiving the

860
00:34:14,020 --> 00:34:12,200
food the sustenance of from the sugar

861
00:34:15,460 --> 00:34:14,030
and the transporting the eggs and the

862
00:34:17,080 --> 00:34:15,470
transporting it and so in return that

863
00:34:19,389 --> 00:34:17,090

yeah the stick insects are receiving

864

00:34:21,879 --> 00:34:19,399

that shelter that protection now if the

865

00:34:23,770 --> 00:34:21,889

stick insect here like suddenly isn't

866

00:34:24,669 --> 00:34:23,780

chilling out or is a bit upset can you

867

00:34:27,040 --> 00:34:24,679

actually tell

868

00:34:28,359 --> 00:34:27,050

so it's interesting so the females you

869

00:34:29,710 --> 00:34:28,369

can tell straight away so they do this

870

00:34:31,450 --> 00:34:29,720

funny thing where they lift their tails

871

00:34:34,510 --> 00:34:31,460

up to make them look like scorpions yeah

872

00:34:36,040 --> 00:34:34,520

but the males the males are bits are the

873

00:34:37,119 --> 00:34:36,050

male's fly that's their defense

874

00:34:38,680 --> 00:34:37,129

mechanism and so when they're scared

875

00:34:41,230 --> 00:34:38,690

there's the bell either stay very very

876

00:34:43,180 --> 00:34:41,240

still or they'll fly away sometimes they

877

00:34:44,829 --> 00:34:43,190

both drew a sort of little wiggle to

878

00:34:46,780 --> 00:34:44,839

look like they're wind look like a

879

00:34:48,579 --> 00:34:46,790

little leaf we're doing in the wind but

880

00:34:51,819 --> 00:34:48,589

um but no it's the females that are the

881

00:34:52,780 --> 00:34:51,829

most distinct when they're scared are

882

00:34:54,099 --> 00:34:52,790

these ones from the east coast of

883

00:34:55,899 --> 00:34:54,109

Australia is similar to ones found

884

00:34:57,819 --> 00:34:55,909

around the world are they all similar

885

00:35:00,160 --> 00:34:57,829

kind of look are ours a little bit

886

00:35:02,380 --> 00:35:00,170

different in color or shape well with

887

00:35:04,000 --> 00:35:02,390

their Giants pineys the females are much

888

00:35:05,740 --> 00:35:04,010

larger and they look much more like

889

00:35:07,690 --> 00:35:05,750

leaves then the difference between the

890

00:35:09,880 --> 00:35:07,700

sexes of others second section I can't

891

00:35:11,710 --> 00:35:09,890

say in terms of international stick

892

00:35:14,049 --> 00:35:11,720

insect Creed's I'm afraid I don't know

893

00:35:16,210 --> 00:35:14,059

but but there are others chicken snake

894

00:35:18,490 --> 00:35:16,220

species in Australia where the females

895

00:35:20,559 --> 00:35:18,500

are more similar to the males and you

896

00:35:22,270 --> 00:35:20,569

can get them in all sorts of colors and

897

00:35:24,280 --> 00:35:22,280

sizes and things like that with the

898

00:35:27,430 --> 00:35:24,290

indigenous population have eaten them I

899

00:35:29,740 --> 00:35:27,440

imagine so but I wouldn't be able to

900

00:35:31,539 --> 00:35:29,750

verify that I'm afraid yeah yes good

901
00:35:34,150 --> 00:35:31,549
because they just don't look tasty do

902
00:35:36,339 --> 00:35:34,160
they know not the most enticing of three

903
00:35:37,720 --> 00:35:36,349
cheese yeah okay well look I hope you go

904
00:35:39,069 --> 00:35:37,730
great have you ever lost one evil is it

905
00:35:40,720 --> 00:35:39,079
have been showing it to someone and

906
00:35:42,700 --> 00:35:40,730
wandered off absolutely the male's

907
00:35:44,690 --> 00:35:42,710
flying all the time up in the trees we

908
00:35:49,069 --> 00:35:44,700
have upper back there hold you

909
00:35:51,920 --> 00:35:49,079
right thank you very much now in a

910
00:35:53,960 --> 00:35:51,930
disreputable corner of the opening night

911
00:35:55,490 --> 00:35:53,970
of the conference here who've we got my

912
00:35:57,319 --> 00:35:55,500
name is Andrew and you just been doing

913
00:35:59,750 --> 00:35:57,329

some very effective cold reading using

914

00:36:01,069 --> 00:35:59,760

the tarot card the advantage of using

915

00:36:03,230 --> 00:36:01,079

tarot cards is that you don't have to

916

00:36:05,839 --> 00:36:03,240

call read because the cards do all the

917

00:36:07,550 --> 00:36:05,849

work for you okay and would you try to

918

00:36:08,870 --> 00:36:07,560

either gear I mean I'm trying to think

919

00:36:10,849 --> 00:36:08,880

what other ones do it for you but you're

920

00:36:11,990 --> 00:36:10,859

right it was it is all laid out there

921

00:36:14,300 --> 00:36:12,000

and it's just a matter of you

922

00:36:15,710 --> 00:36:14,310

interpreting it now how do you calibrate

923

00:36:17,870 --> 00:36:15,720

a person what do you look for in the

924

00:36:19,480 --> 00:36:17,880

face to change or what is the one thing

925

00:36:24,260 --> 00:36:19,490

that's got to change in their face

926
00:36:26,750 --> 00:36:24,270
recognition when you lay out a card and

927
00:36:28,670 --> 00:36:26,760
you say well this card represents this

928
00:36:31,339 --> 00:36:28,680
and is ness does that mean anything to

929
00:36:35,060 --> 00:36:31,349
you and they go ah yes that means

930
00:36:36,859 --> 00:36:35,070
something to me that's that's my mum so

931
00:36:40,849 --> 00:36:36,869
that's the thing that you can you can

932
00:36:42,020 --> 00:36:40,859
hook your story on to impress them okay

933
00:36:43,880 --> 00:36:42,030
and it's all about impressing them

934
00:36:45,349 --> 00:36:43,890
really and what's your favorite card to

935
00:36:46,609 --> 00:36:45,359
get in that cold really you just did

936
00:36:47,780 --> 00:36:46,619
there with the tarot card you got the

937
00:36:49,010 --> 00:36:47,790
fool that's pretty good what's your

938
00:36:50,720 --> 00:36:49,020

favorite one that you like getting the

939

00:36:53,089 --> 00:36:50,730

Emperor's always a good one because it's

940

00:36:56,030 --> 00:36:53,099

double-sided isn't it yes the Emperor is

941

00:36:58,670 --> 00:36:56,040

definitely too faced I don't know I do

942

00:37:00,620 --> 00:36:58,680

like the fool the fool if you have a

943

00:37:02,720 --> 00:37:00,630

look at a standard deck of tarot cards

944

00:37:05,870 --> 00:37:02,730

the fool is is setting off on a journey

945

00:37:08,750 --> 00:37:05,880

and he's about to step over a cliff so

946

00:37:12,230 --> 00:37:08,760

to relate that to somebody's life you

947

00:37:14,210 --> 00:37:12,240

say well you're about to embark on some

948

00:37:15,380 --> 00:37:14,220

sort of endeavor you don't know exactly

949

00:37:17,329 --> 00:37:15,390

where it's going to go you don't know

950

00:37:19,040 --> 00:37:17,339

how it's going to work but you're you're

951
00:37:21,559 --> 00:37:19,050
determined and you and you're setting

952
00:37:23,210 --> 00:37:21,569
out you're taking those first steps so

953
00:37:26,030 --> 00:37:23,220
it's very well I mean a lot of people

954
00:37:27,829 --> 00:37:26,040
can can relate to that have you actually

955
00:37:31,640 --> 00:37:27,839
encounter people that think you have

956
00:37:33,710 --> 00:37:31,650
genuine fortune-telling talent no

957
00:37:36,620 --> 00:37:33,720
for a start because I never claimed to

958
00:37:37,790 --> 00:37:36,630
have it but sometimes they go are ya but

959
00:37:40,340 --> 00:37:37,800
you do have it you just don't want to

960
00:37:42,230 --> 00:37:40,350
admit it there is that I I personally

961
00:37:44,230 --> 00:37:42,240
have not encountered that I have I do

962
00:37:47,690 --> 00:37:44,240
know people who have encountered that I

963
00:37:51,860 --> 00:37:47,700

personally have not I'm always at pains

964

00:37:54,980 --> 00:37:51,870

to explain my the title of my quote

965

00:37:56,990 --> 00:37:54,990

unquote talk there is a skeptical guide

966

00:37:59,870 --> 00:37:57,000

to the Tarot and how it quote unquote

967

00:38:03,170 --> 00:37:59,880

works and those those quote marks are

968

00:38:05,770 --> 00:38:03,180

very important and and you can't see me

969

00:38:08,450 --> 00:38:05,780

doing the air quotes here but but I am

970

00:38:10,730 --> 00:38:08,460

because the Tarot does quite unquote

971

00:38:14,330 --> 00:38:10,740

work so long as you understand what i

972

00:38:16,400 --> 00:38:14,340

mean by working mostly see my astrologer

973

00:38:18,560 --> 00:38:16,410

friend Jessica Adams has always taught

974

00:38:19,910 --> 00:38:18,570

me Maynard don't mess with the tarot or

975

00:38:22,520 --> 00:38:19,920

the Ouija board because that's where the

976

00:38:24,020 --> 00:38:22,530

the lower souls kind of hang out and she

977

00:38:25,010 --> 00:38:24,030

thinks it's not good to mess with that

978

00:38:27,740 --> 00:38:25,020

kind of stuff but you haven't

979

00:38:31,280 --> 00:38:27,750

encountered any problems no no because

980

00:38:33,050 --> 00:38:31,290

they don't exist right I was always told

981

00:38:34,670 --> 00:38:33,060

during myhnegon neo-pagan phase that

982

00:38:36,290 --> 00:38:34,680

yeah you don't you don't mess with Ouija

983

00:38:38,480 --> 00:38:36,300

boards because we towards summon

984

00:38:40,130 --> 00:38:38,490

elementals and elementals are

985

00:38:42,080 --> 00:38:40,140

mischievous spirits who don't actually

986

00:38:45,020 --> 00:38:42,090

want to help you out or anything they

987

00:38:47,990 --> 00:38:45,030

just want to mess with your head but the

988

00:38:49,730 --> 00:38:48,000

elementals don't exist so yeah it is it

989

00:38:51,230 --> 00:38:49,740

possible that just doing the Ouija board

990

00:38:52,880 --> 00:38:51,240

is your kind of mucking around in that

991

00:38:55,310 --> 00:38:52,890

area anyway so you know you could be a

992

00:38:57,590 --> 00:38:55,320

bit confused to start with well yeah the

993

00:38:59,930 --> 00:38:57,600

thing about the Ouija board is that it's

994

00:39:01,280 --> 00:38:59,940

ultimately being controlled

995

00:39:05,060 --> 00:39:01,290

the people who have their fingers on

996

00:39:07,760 --> 00:39:05,070

that plan Chad are exerting force on it

997

00:39:09,950 --> 00:39:07,770

and moving it around so it's it's not as

998

00:39:13,250 --> 00:39:09,960

easy as the taro is because that the

999

00:39:15,200 --> 00:39:13,260

taro has a picture of of everything I've

1000

00:39:18,470 --> 00:39:15,210

got one right here it's the it's the two

1001

00:39:21,800 --> 00:39:18,480

of swords we've got a a blindfolded

1002

00:39:25,400 --> 00:39:21,810

maiden by a sea carrying two swords

1003

00:39:27,200 --> 00:39:25,410

crossed across a chest so sword the

1004

00:39:32,450 --> 00:39:27,210

sword represents the intellect the mind

1005

00:39:34,880 --> 00:39:32,460

thoughts so we've got an image of blind

1006

00:39:37,250 --> 00:39:34,890

justice here we've got a choice of

1007

00:39:41,180 --> 00:39:37,260

between two two particular intellectual

1008

00:39:43,730 --> 00:39:41,190

paths I think all of these images

1009

00:39:46,040 --> 00:39:43,740

already you've got something we could be

1010

00:39:47,330 --> 00:39:46,050

taken two or three ways there and you're

1011

00:39:50,990 --> 00:39:47,340

looking at the person and you're away

1012

00:39:53,930 --> 00:39:51,000

exactly exactly so the terror the the

1013

00:39:56,780 --> 00:39:53,940

analogy I used in my talk was tossing a

1014

00:39:59,270 --> 00:39:56,790

coin right you say I don't know whether

1015

00:40:01,850 --> 00:39:59,280

I want steak or I one pastor all right

1016

00:40:03,860 --> 00:40:01,860

so I'll toss a coin alright so we've all

1017

00:40:05,630 --> 00:40:03,870

tossed a coin to to make a decision

1018

00:40:10,460 --> 00:40:05,640

between two things so you toss a coin

1019

00:40:11,780 --> 00:40:10,470

and we go heads okay I'll have steak but

1020

00:40:14,330 --> 00:40:11,790

no I don't really want steak I want

1021

00:40:18,710 --> 00:40:14,340

pasta right the coin hasn't made the

1022

00:40:20,090 --> 00:40:18,720

decision for you but it has clarified in

1023

00:40:22,730 --> 00:40:20,100

your mind that you actually do one

1024

00:40:24,110 --> 00:40:22,740

passed on all right the the answer on

1025

00:40:27,110 --> 00:40:24,120

the coin wasn't the answer that you went

1026

00:40:30,200 --> 00:40:27,120

with even but you were able to make the

1027

00:40:32,180 --> 00:40:30,210

decision with the help of the coin with

1028

00:40:34,310 --> 00:40:32,190

Terrell it's exactly the same they help

1029

00:40:39,110 --> 00:40:34,320

you to come to decisions they don't

1030

00:40:41,300 --> 00:40:39,120

provide any mystical information any any

1031

00:40:42,770 --> 00:40:41,310

information about somebody's life that

1032

00:40:44,930 --> 00:40:42,780

comes out in the Tarot is actually

1033

00:40:48,860 --> 00:40:44,940

coming out in their own head prompted by

1034

00:40:51,380 --> 00:40:48,870

the images on the Tarot so it's a very

1035

00:40:52,710 --> 00:40:51,390

easy shortcut way to to start cold

1036

00:40:55,530 --> 00:40:52,720

reading someone

1037

00:40:56,880 --> 00:40:55,540

as I said in my talk that I mean there's

1038

00:40:59,460 --> 00:40:56,890

a really good book about the techniques

1039

00:41:01,980 --> 00:40:59,470

of cold reading by Ian Roland full facts

1040

00:41:03,390 --> 00:41:01,990

book of cold reading I recommend it but

1041

00:41:06,120 --> 00:41:03,400

with the terror you can like throw it

1042

00:41:08,580 --> 00:41:06,130

all out because it's all replaced by

1043

00:41:09,870 --> 00:41:08,590

these images on the cards okay well

1044

00:41:10,950 --> 00:41:09,880

you're gonna have a lot of fun this

1045

00:41:13,740 --> 00:41:10,960

weekend I think with that kind of

1046

00:41:15,710 --> 00:41:13,750

ability yes I think I am one last

1047

00:41:20,610 --> 00:41:15,720

question what's your favorite conspiracy

1048

00:41:24,000 --> 00:41:20,620

ah it has to be the Illuminati oh so

1049

00:41:25,110 --> 00:41:24,010

overarching yes exactly and and I don't

1050

00:41:27,270 --> 00:41:25,120

know if you've noticed but we're in

1051

00:41:29,790 --> 00:41:27,280

Canberra at the moment you look at a map

1052

00:41:31,950 --> 00:41:29,800

of Canberra we have what we call the

1053

00:41:33,390 --> 00:41:31,960

Prime that parliamentary triangle it's

1054

00:41:37,050 --> 00:41:33,400

Commonwealth Avenue and kings avenue

1055

00:41:41,310 --> 00:41:37,060

they converge at parliament house but in

1056

00:41:44,070 --> 00:41:41,320

between them there's this round King

1057

00:41:47,040 --> 00:41:44,080

Edward terrace which has old parliament

1058

00:41:48,630 --> 00:41:47,050

house in it and if you look at that it

1059

00:41:50,880 --> 00:41:48,640

looks exactly like the eye in the

1060

00:41:55,410 --> 00:41:50,890

pyramid of the American one dollar bill

1061

00:41:56,850 --> 00:41:55,420

and other symbols as well so yeah it's

1062

00:41:59,280 --> 00:41:56,860

an aluminum is it actually it's a

1063

00:42:00,450 --> 00:41:59,290

Masonic symbol but anyway and the guy

1064

00:42:03,290 --> 00:42:00,460

had designed it was amazing and they

1065

00:42:06,900 --> 00:42:03,300

love putting symbols in everything I

1066

00:42:09,660 --> 00:42:06,910

hate to lose you but

1067

00:42:12,900 --> 00:42:09,670

is this your picture oh there's no way

1068

00:42:17,039 --> 00:42:12,910

that's my picture Oh have you got a

1069

00:42:20,760 --> 00:42:17,049

partner here no oh well if you did I

1070

00:42:30,020 --> 00:42:20,770

would say to them bad news your hubby is

1071

00:42:36,480 --> 00:42:33,809

okay right one last chance for you to

1072

00:42:39,900 --> 00:42:36,490

get it right ok now I've just witnessed

1073

00:42:41,520 --> 00:42:39,910

an exhibition of dr. quit Wilson calling

1074

00:42:43,140 --> 00:42:41,530

bull crap you are calling bull crap on

1075

00:42:45,210 --> 00:42:43,150

members of the audience and then you

1076
00:42:47,010 --> 00:42:45,220
yourself was called bull crap you were

1077
00:42:49,620 --> 00:42:47,020
shenanigans shenanigans was called on

1078
00:42:51,690 --> 00:42:49,630
you yep absolutely shenanigans lyod

1079
00:42:53,849 --> 00:42:51,700
aight they are both on my CV what were

1080
00:42:57,180 --> 00:42:53,859
you doing there well what I was trying

1081
00:42:58,950 --> 00:42:57,190
to do was to show that anyone can be

1082
00:43:01,410 --> 00:42:58,960
fooled now look we are in a room for a

1083
00:43:04,109 --> 00:43:01,420
very well-informed skeptical people who

1084
00:43:07,380 --> 00:43:04,119
are on the lookout always for you know

1085
00:43:08,579 --> 00:43:07,390
scams etc but even the most in Tony it

1086
00:43:10,470 --> 00:43:08,589
doesn't matter how intelligent you are

1087
00:43:12,510 --> 00:43:10,480
how well-educated where you come from

1088
00:43:14,970 --> 00:43:12,520

what your background is how smart you

1089

00:43:17,099 --> 00:43:14,980

think you are anyone can be forward and

1090

00:43:19,410 --> 00:43:17,109

tonight they wanted to believe that it

1091

00:43:20,609 --> 00:43:19,420

was possible to be out of our lawyer I

1092

00:43:24,329 --> 00:43:20,619

mean wouldn't that be a great thing to

1093

00:43:27,900 --> 00:43:24,339

go to do and so I i sold it that it's

1094

00:43:29,670 --> 00:43:27,910

psychology that it's something real and

1095

00:43:32,370 --> 00:43:29,680

perceptible and tangible that we can all

1096

00:43:33,630 --> 00:43:32,380

do and you know they all fell for it in

1097

00:43:37,230 --> 00:43:33,640

fact your trick was cheaper than a

1098

00:43:39,269 --> 00:43:37,240

push-up bra when it was cheap actually

1099

00:43:42,029 --> 00:43:39,279

very ching but if it's a trick actually

1100

00:43:43,589 --> 00:43:42,039

that's used a lot by psychics because

1101

00:43:45,000 --> 00:43:43,599

this there's lots of different ways you

1102

00:43:48,150 --> 00:43:45,010

can do it you can pretend that you're

1103

00:43:50,160 --> 00:43:48,160

psychic and use the same trick but I

1104

00:43:51,760 --> 00:43:50,170

thought it might be might be really nice

1105

00:43:54,010 --> 00:43:51,770

to use it

1106

00:43:56,080 --> 00:43:54,020

from a psychology point of view and to

1107

00:43:58,450 --> 00:43:56,090

try and sell the idea that we portray

1108

00:44:01,060 --> 00:43:58,460

ourselves when we use body language if

1109

00:44:03,070 --> 00:44:01,070

we're trying to get away with a lie and

1110

00:44:04,120 --> 00:44:03,080

every time I've done it it's always

1111

00:44:06,930 --> 00:44:04,130

worked really nicely I know

1112

00:44:09,640 --> 00:44:06,940

unfortunately my wonderful friend Lori

1113

00:44:11,770 --> 00:44:09,650

thanks Lori he's got to the punch line

1114

00:44:14,230 --> 00:44:11,780

do you soon you're stepping on your

1115

00:44:15,610 --> 00:44:14,240

punch line and of course this weekend

1116

00:44:17,230 --> 00:44:15,620

all about conspiracies here at the

1117

00:44:18,820 --> 00:44:17,240

National Convention what it do you think

1118

00:44:21,120 --> 00:44:18,830

is the most interesting conspiracy or

1119

00:44:23,320 --> 00:44:21,130

even one you wouldn't like to be real

1120

00:44:24,430 --> 00:44:23,330

what would I like to be real that you

1121

00:44:26,700 --> 00:44:24,440

would like to be real all of these

1122

00:44:30,790 --> 00:44:26,710

conspiracy you would like to be real I

1123

00:44:33,400 --> 00:44:30,800

would be hugely amused if it turned out

1124

00:44:37,030 --> 00:44:33,410

that we didn't actually land on the moon

1125

00:44:38,920 --> 00:44:37,040

and and you know and they've been doing

1126
00:44:40,720 --> 00:44:38,930
a cover-up and the whole uncovering of

1127
00:44:42,970 --> 00:44:40,730
the cover-up was a cover-up itself and

1128
00:44:45,280 --> 00:44:42,980
absolutely i mean the alien things just

1129
00:44:47,920 --> 00:44:45,290
silly and the JFK thing is just too

1130
00:44:49,930 --> 00:44:47,930
far-fetched but if it turned out that we

1131
00:44:52,060 --> 00:44:49,940
didn't actually all the Americans didn't

1132
00:44:53,950 --> 00:44:52,070
actually land on the moon I think that

1133
00:44:55,660 --> 00:44:53,960
would I think that would be wonderful

1134
00:44:57,430 --> 00:44:55,670
and when the information of the press

1135
00:45:01,540 --> 00:44:57,440
conference comes out in the distance

1136
00:45:04,720 --> 00:45:01,550
you'll hear this small child yup the

1137
00:45:09,580 --> 00:45:04,730
boys are the immortal bard Nelson love

1138
00:45:11,710 --> 00:45:09,590

it well we met some stick insect some

1139

00:45:13,510 --> 00:45:11,720

leaf insects earlier who we got here so

1140

00:45:16,420 --> 00:45:13,520

these are our Eastern longneck turtles

1141

00:45:19,180 --> 00:45:16,430

we have Mendeleev with the black shell

1142

00:45:21,910 --> 00:45:19,190

and this guy here is Geronimo they're

1143

00:45:24,190 --> 00:45:21,920

both around ten years old sort of nine

1144

00:45:26,980 --> 00:45:24,200

ten years old around the same age also

1145

00:45:28,810 --> 00:45:26,990

around the same size and like I said

1146

00:45:30,850 --> 00:45:28,820

they are turtles they have webbed feet

1147

00:45:33,370 --> 00:45:30,860

and they use them for swimming and what

1148

00:45:35,020 --> 00:45:33,380

do they like with crowds um when when

1149

00:45:36,910 --> 00:45:35,030

they lure when the leaf insects get a

1150

00:45:38,770 --> 00:45:36,920

bit distressed they fly around or they

1151
00:45:40,390 --> 00:45:38,780
go all funny what are these guys do so

1152
00:45:42,299 --> 00:45:40,400
what these guys do is they have musk

1153
00:45:43,589 --> 00:45:42,309
glands in their armpits

1154
00:45:46,140 --> 00:45:43,599
what happens is when they threatened

1155
00:45:48,120 --> 00:45:46,150
they secrete chemicals that smell bad so

1156
00:45:50,099 --> 00:45:48,130
that's a big smell like a fart it could

1157
00:45:52,109 --> 00:45:50,109
be them exactly yeah so they known as

1158
00:45:53,819 --> 00:45:52,119
stinkers and that's the reason why so

1159
00:45:55,799 --> 00:45:53,829
once they get freaked out that's the

1160
00:45:57,179 --> 00:45:55,809
first thing that they will do now I got

1161
00:45:59,789 --> 00:45:57,189
to ask you what's the difference between

1162
00:46:01,199 --> 00:45:59,799
a turtle and a Terrapin oh good question

1163
00:46:05,269 --> 00:46:01,209

so we were just having that discussion

1164

00:46:08,729 --> 00:46:05,279

oh ok so Terrapin could reference a

1165

00:46:10,829 --> 00:46:08,739

tortoise that lives in water okay but

1166

00:46:13,049 --> 00:46:10,839

turtles also the same thing so Terrapin

1167

00:46:14,910 --> 00:46:13,059

is a bit of a confusing term so I don't

1168

00:46:16,410 --> 00:46:14,920

know why that crept into classification

1169

00:46:18,689 --> 00:46:16,420

yeah a lot of people mentioned that they

1170

00:46:20,670 --> 00:46:18,699

aren't always the best pet for children

1171

00:46:22,709 --> 00:46:20,680

because they have a long life cycle yes

1172

00:46:24,660 --> 00:46:22,719

they do definitely so what happens these

1173

00:46:26,880 --> 00:46:24,670

turtles only reach sexual maturity once

1174

00:46:29,039 --> 00:46:26,890

they're 15 so they'll any start laying

1175

00:46:31,109 --> 00:46:29,049

eggs once around 15 and it's up until

1176

00:46:32,910 --> 00:46:31,119

then you can only start sexting them

1177

00:46:34,979 --> 00:46:32,920

once they start laying eggs there's no

1178

00:46:37,229 --> 00:46:34,989

other way to differentiate between them

1179

00:46:38,519 --> 00:46:37,239

so you have to wait a long time in order

1180

00:46:39,870 --> 00:46:38,529

to find out whether it's a boy or girl

1181

00:46:42,089 --> 00:46:39,880

so it's going to be difficult to name

1182

00:46:44,900 --> 00:46:42,099

them so they can live up to 50 years

1183

00:46:47,699 --> 00:46:44,910

okay some of them can exceed that

1184

00:46:49,650 --> 00:46:47,709

generally they will last around 50 years

1185

00:46:51,689 --> 00:46:49,660

if they have enough space available to

1186

00:46:52,979 --> 00:46:51,699

them and also food if they have no

1187

00:46:56,249 --> 00:46:52,989

restrictions than they can get pretty

1188

00:46:57,839 --> 00:46:56,259

big and what are they food for I imagine

1189

00:46:59,459 --> 00:46:57,849

the indigenous population might have

1190

00:47:01,799 --> 00:46:59,469

enjoyed making a soup or a snack on them

1191

00:47:03,359 --> 00:47:01,809

yep so most of the indigenous people

1192

00:47:06,809 --> 00:47:03,369

would have eaten them and there'll also

1193

00:47:08,549 --> 00:47:06,819

be other predators that lurking in the

1194

00:47:10,589 --> 00:47:08,559

water as well so you might get some

1195

00:47:12,630 --> 00:47:10,599

other reptiles larger reptiles that my

1196

00:47:14,279 --> 00:47:12,640

prey on them it would have to have a

1197

00:47:15,929 --> 00:47:14,289

pretty strong jaw though in order to get

1198

00:47:17,939 --> 00:47:15,939

through that shell but there are also

1199

00:47:19,349 --> 00:47:17,949

some birds that also eat turtles they'll

1200

00:47:21,630 --> 00:47:19,359

also eat them once they did if they

1201
00:47:24,929 --> 00:47:21,640
beached you might get on some birds that

1202
00:47:26,489 --> 00:47:24,939
will snack on them even the fleshy parts

1203
00:47:28,259 --> 00:47:26,499
of them don't look that inviting yeah

1204
00:47:30,150 --> 00:47:28,269
definitely not and especially if they

1205
00:47:32,400 --> 00:47:30,160
feel threatened and they covered in that

1206
00:47:34,410 --> 00:47:32,410
musk gland fluid I wouldn't want to be

1207
00:47:35,310 --> 00:47:34,420
eating here it's going to taste horrible

1208
00:47:37,110 --> 00:47:35,320
yeah

1209
00:47:39,660 --> 00:47:37,120
now you've brought been bringing animals

1210
00:47:41,070 --> 00:47:39,670
out on idea at the CSIRO Center um what

1211
00:47:42,660 --> 00:47:41,080
else you got you got some kelpies

1212
00:47:45,090 --> 00:47:42,670
downstairs what looks what else you got

1213
00:47:47,100 --> 00:47:45,100

here so what we have is at the moment we

1214

00:47:49,080 --> 00:47:47,110

only have stick insects and turtles we

1215

00:47:50,910 --> 00:47:49,090

also have a scampi that runs around in

1216

00:47:52,620 --> 00:47:50,920

there now and again I don't want to

1217

00:47:55,380 --> 00:47:52,630

handle him but he's in there we also

1218

00:47:57,450 --> 00:47:55,390

have armed some fish we have a little

1219

00:47:59,370 --> 00:47:57,460

aquarium with corals in it live corals

1220

00:48:01,470 --> 00:47:59,380

which is doing really well they actually

1221

00:48:03,360 --> 00:48:01,480

look really really cool we have some

1222

00:48:05,160 --> 00:48:03,370

fish in there like I said other than

1223

00:48:06,540 --> 00:48:05,170

that there's not an awful lot going on

1224

00:48:07,890 --> 00:48:06,550

when it comes to animals do you think

1225

00:48:09,720 --> 00:48:07,900

you could take a crack at having a tame

1226

00:48:11,040 --> 00:48:09,730

dingo that's very Australian it could

1227

00:48:12,870 --> 00:48:11,050

run around the poi at a keep all the

1228

00:48:15,240 --> 00:48:12,880

cats away it would it would we might

1229

00:48:16,590 --> 00:48:15,250

actually need one that might be hand you

1230

00:48:18,840 --> 00:48:16,600

have a great time how come how long can

1231

00:48:20,340 --> 00:48:18,850

you lead them out you know we don't dry

1232

00:48:21,990 --> 00:48:20,350

out how long can they be out of water so

1233

00:48:23,880 --> 00:48:22,000

they can spend a few hours out of water

1234

00:48:26,640 --> 00:48:23,890

and generally they can actually spend

1235

00:48:28,440 --> 00:48:26,650

sort of up to six hours I'd imagine

1236

00:48:30,420 --> 00:48:28,450

before they begin to dry out and it's

1237

00:48:31,650 --> 00:48:30,430

also depends on the sunlight so they'll

1238

00:48:33,720 --> 00:48:31,660

come out more at night than they do

1239

00:48:35,910 --> 00:48:33,730

during the day for obvious reasons cool

1240

00:48:37,410 --> 00:48:35,920

and people love petting them definitely

1241

00:48:39,870 --> 00:48:37,420

yep so they love touching their shells

1242

00:48:41,010 --> 00:48:39,880

also looking underneath people don't

1243

00:48:42,090 --> 00:48:41,020

often get to see what it looks like

1244

00:48:44,520 --> 00:48:42,100

underneath and that's quite different

1245

00:48:46,500 --> 00:48:44,530

actually from that angle it looks like a

1246

00:48:47,880 --> 00:48:46,510

really expensive purse because it's

1247

00:48:49,170 --> 00:48:47,890

because all these legs have folded away

1248

00:48:50,730 --> 00:48:49,180

and it just looks like it's a square

1249

00:48:52,050 --> 00:48:50,740

yeah and there's a nice pattern

1250

00:48:54,120 --> 00:48:52,060

underneath as well which is different

1251

00:48:55,290 --> 00:48:54,130

than all of them well most people don't

1252

00:48:57,120 --> 00:48:55,300

know about that because they only see

1253

00:48:58,560 --> 00:48:57,130

them from the top yeah so it's quite

1254

00:48:59,640 --> 00:48:58,570

fascinating when you first see it that's

1255

00:49:01,500 --> 00:48:59,650

right but they're not good for kids

1256

00:49:03,810 --> 00:49:01,510

because they live for a long time and

1257

00:49:05,610 --> 00:49:03,820

kids get bored sometimes exactly yet and

1258

00:49:07,290 --> 00:49:05,620

they might stop caring for them and then

1259

00:49:09,150 --> 00:49:07,300

that's not gonna end well

1260

00:49:11,070 --> 00:49:09,160

I probably wouldn't have them as a pet

1261

00:49:12,360 --> 00:49:11,080

especially if I'm a young kid maybe if

1262

00:49:13,680 --> 00:49:12,370

you're a bit older and you really care

1263

00:49:15,810 --> 00:49:13,690

about turtles then it would be a good

1264

00:49:17,280 --> 00:49:15,820

idea but they need a lot of cares so

1265

00:49:18,840 --> 00:49:17,290

you've got to be prepared to take them

1266

00:49:20,610 --> 00:49:18,850

out of the tank give them a lot of

1267

00:49:22,500 --> 00:49:20,620

exercise whilst they going to get bored

1268

00:49:24,720 --> 00:49:22,510

and good they're going to die young I

1269

00:49:27,060 --> 00:49:24,730

can't say I've ever seen a fat one yeah

1270

00:49:29,070 --> 00:49:27,070

you can you can get fat ones but those

1271

00:49:30,720 --> 00:49:29,080

are generally found in the wild when you

1272

00:49:32,790 --> 00:49:30,730

keep Turtles you can only keep them in a

1273

00:49:34,530 --> 00:49:32,800

tank that has a limited size so they

1274

00:49:36,300 --> 00:49:34,540

eventually grow too big for the tank and

1275

00:49:37,650 --> 00:49:36,310

they have to stop growing and that's the

1276

00:49:39,030 --> 00:49:37,660

case with these guys these guys won't

1277

00:49:52,710 --> 00:49:39,040

get much bigger just because there's not

1278

00:49:54,690 --> 00:49:52,720

enough space available to them hi I'm

1279

00:49:56,730 --> 00:49:54,700

Finn and I'm Rebecca and where the

1280

00:49:58,470 --> 00:49:56,740

skipper clones skipper Collins is an

1281

00:50:00,150 --> 00:49:58,480

Irish podcast by the Dublin skeptics

1282

00:50:01,710 --> 00:50:00,160

society it takes a conversational

1283

00:50:03,000 --> 00:50:01,720

reverent look at science news and

1284

00:50:06,510 --> 00:50:03,010

skeptical topics from an Irish

1285

00:50:09,950 --> 00:50:06,520

perspective you can find us out wws

1286

00:50:09,960 --> 00:50:21,380

spirit

1287

00:50:29,780 --> 00:50:26,150

oh oh we fish which may not they're

1288

00:50:31,250 --> 00:50:29,790

great oh sorry mmm mmm thank you for

1289

00:50:33,200 --> 00:50:31,260

listening to the skeptic zone that's

1290

00:50:34,790 --> 00:50:33,210

Richard full mouth Saunders ah you

1291

00:50:36,920 --> 00:50:34,800

caught me I was enjoying the show so

1292

00:50:38,870 --> 00:50:36,930

much i was eating a biscuit was doing

1293

00:50:39,770 --> 00:50:38,880

well quite a show and of course just a

1294

00:50:41,450 --> 00:50:39,780

taste of what's going to be happening

1295

00:50:43,070 --> 00:50:41,460

over the next couple of weeks from this

1296

00:50:45,020 --> 00:50:43,080

convention in canberra people say

1297

00:50:46,520 --> 00:50:45,030

nothing goes on in Canberra and sure

1298

00:50:48,320 --> 00:50:46,530

that's true but this week ended

1299

00:50:49,790 --> 00:50:48,330

something will it's all different this

1300

00:50:51,260 --> 00:50:49,800

weekend and thanks do you mean I know

1301
00:50:53,890 --> 00:50:51,270
you've been running around like the

1302
00:50:56,810 --> 00:50:53,900
flash not with your golden silver

1303
00:50:59,000 --> 00:50:56,820
sparkly coat this time oh no no this

1304
00:51:00,950 --> 00:50:59,010
time no believe you me look look I've

1305
00:51:02,270 --> 00:51:00,960
been spending every passing minute I

1306
00:51:04,070 --> 00:51:02,280
possibly can at the signals intelligence

1307
00:51:05,720 --> 00:51:04,080
unit downtown there and let me tell you

1308
00:51:07,160 --> 00:51:05,730
those people know how to party they do

1309
00:51:09,110 --> 00:51:07,170
we've got hecklers here in the room

1310
00:51:11,000 --> 00:51:09,120
folks I'm sorry to say but it ought be a

1311
00:51:12,980 --> 00:51:11,010
lot coming up in the next few weeks on

1312
00:51:14,690 --> 00:51:12,990
the skeptic zone from the Canberra

1313
00:51:16,100 --> 00:51:14,700

convention with the individual delegates

1314

00:51:17,930 --> 00:51:16,110

and special guests and all sorts of

1315

00:51:19,070 --> 00:51:17,940

things yeah I guess you have to sign off

1316

00:51:20,570 --> 00:51:19,080

now you're going to go back and live in

1317

00:51:21,710 --> 00:51:20,580

the fridge like an all no more lonely

1318

00:51:22,820 --> 00:51:21,720

when you do this from home you go I'm

1319

00:51:24,280 --> 00:51:22,830

just going down to live in the fridge

1320

00:51:27,920 --> 00:51:24,290

for a fortnight need some smoked salmon

1321

00:51:29,930 --> 00:51:27,930

that's what I do between episodes anyway

1322

00:51:32,570 --> 00:51:29,940

for this week its main arden Richard

1323

00:51:35,360 --> 00:51:32,580

signing off from Canberra in the

1324

00:51:41,840 --> 00:51:35,370

Australian Capital Territory the suburb

1325

00:51:46,520 --> 00:51:41,850

of action you've been listening to the

1326

00:51:50,360 --> 00:51:46,530

skeptic zone visit her website at www