

1
00:00:02,928 --> 00:00:07,589
come on baby come on come on Suze it's a

2
00:00:06,209 --> 00:00:16,829
carburetor and this or something come on

3
00:00:07,589 --> 00:00:19,439
baby welcome to the skeptic zone the

4
00:00:16,829 --> 00:00:21,948
podcast from Australia for science and

5
00:00:19,439 --> 00:00:21,948
reason

6
00:00:30,670 --> 00:00:37,550
hello and welcome to the skeptic zone

7
00:00:33,500 --> 00:00:40,909
episode number 225 that must be some

8
00:00:37,549 --> 00:00:43,849
sort of a milestone for the tenth of

9
00:00:40,909 --> 00:00:45,979
februari 2013 Richardson is here with

10
00:00:43,850 --> 00:00:48,558
you from Sydney Australia where a big

11
00:00:45,979 --> 00:00:50,628
storm is just about the hit according to

12
00:00:48,558 --> 00:00:53,419
the weather radar and listening outside

13
00:00:50,628 --> 00:00:56,808
the rain is just about the start pelting

14
00:00:53,420 --> 00:00:58,698
down time to batten down the hatches but

15
00:00:56,808 --> 00:01:01,878
before I do that I better tell you about

16
00:00:58,698 --> 00:01:05,179
this week's skeptic zone I catch up with

17
00:01:01,878 --> 00:01:07,789
penny chan our reporter from Long Beach

18
00:01:05,180 --> 00:01:09,970
in California now just recently penny

19
00:01:07,790 --> 00:01:12,909
went to Hong Kong to visit some family

20
00:01:09,969 --> 00:01:16,069
did she discover any whoo any

21
00:01:12,909 --> 00:01:18,920
alternative type treatments well to

22
00:01:16,069 --> 00:01:21,319
lessen the suspense e'er she did and she

23
00:01:18,920 --> 00:01:23,629
tried a few that report coming up at the

24
00:01:21,319 --> 00:01:26,658
top of the show following that we have a

25
00:01:23,629 --> 00:01:28,609
little teaser trailer for a very

26
00:01:26,659 --> 00:01:32,030
worthwhile project going on at the

27
00:01:28,609 --> 00:01:35,030
moment called an honest liar documentary

28
00:01:32,030 --> 00:01:38,599
about the amazing Randi and how you can

29

00:01:35,030 --> 00:01:41,599
help coming up soon after that maynard's

30
00:01:38,599 --> 00:01:44,328
spooky action may not chats with Ben

31
00:01:41,599 --> 00:01:46,188
Newsome the director of a wonderful

32
00:01:44,328 --> 00:01:51,158
science outreach program here in

33
00:01:46,188 --> 00:01:51,158
Australia called physics education spelt

34
00:01:55,239 --> 00:02:03,589
fizz512 that may nod catches up with pub

35
00:02:01,459 --> 00:02:06,319
goers here in Sydney skeptics in the pub

36
00:02:03,590 --> 00:02:09,250
and ask the big question the big

37
00:02:06,319 --> 00:02:13,129
question this month is what do you think

38
00:02:09,250 --> 00:02:15,379
intuition is what it's intuition I've

39
00:02:13,129 --> 00:02:19,310
often wondered myself find out what pub

40
00:02:15,379 --> 00:02:20,810
goers think intuition is and all yes I

41
00:02:19,310 --> 00:02:24,349
just heard a big crack of thunder

42
00:02:20,810 --> 00:02:27,430
outside hmm now listen is an Australian

43
00:02:24,349 --> 00:02:31,239

might have seen an article about

44

00:02:27,430 --> 00:02:33,500
psychics in the weekend newspaper

45

00:02:31,240 --> 00:02:34,640
psychics and the suburbs I think it was

46

00:02:33,500 --> 00:02:37,159
called something like that where I'm

47

00:02:34,639 --> 00:02:38,409
quoted and James Randi and Christie

48

00:02:37,159 --> 00:02:42,250
Wilson

49

00:02:38,409 --> 00:02:44,829
and Chris French are all quoted oddly

50

00:02:42,250 --> 00:02:48,479
enough they describe me as having a

51

00:02:44,830 --> 00:02:50,950
square jaw and I've copped no end of

52

00:02:48,479 --> 00:02:53,319
ribbing about that comment ever since

53

00:02:50,949 --> 00:02:55,479
I'll put a link to that article about

54

00:02:53,319 --> 00:02:57,719
psychics in the suburbs people who think

55

00:02:55,479 --> 00:03:00,609
or claim they can talk with the dead

56

00:02:57,719 --> 00:03:03,159
i'll put a link to that item on the show

57

00:03:00,610 --> 00:03:06,820
notes or you can just google Sydney

58
00:03:03,159 --> 00:03:08,919
Morning Herald good week-end a quick

59
00:03:06,819 --> 00:03:12,280
correction brought to me by my friends

60
00:03:08,919 --> 00:03:14,619
in Canberra I said that there'd be a pub

61
00:03:12,280 --> 00:03:16,990
meeting on the 12th that's not true

62
00:03:14,620 --> 00:03:20,020
that's something else going on on the

63
00:03:16,990 --> 00:03:23,070
twelfth not a skeptics in the pub but if

64
00:03:20,020 --> 00:03:26,920
you're in the camera please go to ww

65
00:03:23,069 --> 00:03:28,900
Canberra skeptic co gioi a you to find

66
00:03:26,919 --> 00:03:31,719
out twinned the EPP skeptics in the pub

67
00:03:28,900 --> 00:03:34,270
is and other free lectures I know there

68
00:03:31,719 --> 00:03:36,639
are some coming up very soon but now

69
00:03:34,270 --> 00:03:39,280
it's time for me to write will actually

70
00:03:36,639 --> 00:03:41,049
know before I run downstairs and look

71
00:03:39,280 --> 00:03:44,169
for something to drink or heat or

72
00:03:41,050 --> 00:03:45,580
whatever a little odd thing at the

73
00:03:44,169 --> 00:03:48,639
beginning of the show with Maynard

74
00:03:45,580 --> 00:03:50,230
trying to start a car engine I wonder if

75
00:03:48,639 --> 00:03:55,239
that's got something to do with solar

76
00:03:50,229 --> 00:03:58,629
flare hmm I wonder all right enough

77
00:03:55,240 --> 00:04:01,870
hints i will run downstairs and batten

78
00:03:58,629 --> 00:04:03,849
down the hatches what should I have what

79
00:04:01,870 --> 00:04:07,209
the sailors have it seen a button down

80
00:04:03,849 --> 00:04:11,819
the hatches a rum a little glass of rum

81
00:04:07,209 --> 00:04:11,819
while you enjoy the skeptic zone

82
00:04:28,600 --> 00:04:30,629
Oh

83
00:04:35,829 --> 00:04:42,359
is penny Chen with any fear thoughts

84
00:04:47,360 --> 00:04:51,990
and joining me on the line from

85
00:04:49,860 --> 00:04:55,468
beautiful Long Beach in California ah

86

00:04:51,990 --> 00:04:58,528
the land i dream of penny chan hello

87
00:04:55,468 --> 00:05:00,899
penny I Richard it's good to see you

88
00:04:58,528 --> 00:05:02,459
because for the benefit of our listeners

89
00:05:00,899 --> 00:05:04,468
we are actually looking at each other

90
00:05:02,459 --> 00:05:06,418
now with we're video conferencing is

91
00:05:04,468 --> 00:05:08,278
fantastic did you go see into my bread

92
00:05:06,418 --> 00:05:10,288
or kitchen all I can see your brand-new

93
00:05:08,278 --> 00:05:11,819
kitchen and what the beautifullest

94
00:05:10,288 --> 00:05:15,120
doesn't match the rest of my house but I

95
00:05:11,819 --> 00:05:16,770
showed the cleanest room my house so so

96
00:05:15,120 --> 00:05:18,598
I'm interviewing you from your kitchen

97
00:05:16,769 --> 00:05:20,579
how appropriate that skipped exam is

98
00:05:18,598 --> 00:05:23,579
always after noms that's all I can say

99
00:05:20,579 --> 00:05:25,649
it yes I'm right by my fridge to you can

100
00:05:23,579 --> 00:05:26,878

see that does not let it listen is you

101

00:05:25,649 --> 00:05:29,489

don't know what you're missing out on

102

00:05:26,879 --> 00:05:33,360

it's a wonderful brand-new sparkling

103

00:05:29,490 --> 00:05:36,120

kitchen complete with fridge and pennies

104

00:05:33,360 --> 00:05:40,199

there in her stripy red top looking

105

00:05:36,120 --> 00:05:41,459

fantastic thank you now Benny um it's

106

00:05:40,199 --> 00:05:43,079

been a little while since the skipped

107

00:05:41,459 --> 00:05:45,598

exams caught up with you and I'm

108

00:05:43,079 --> 00:05:48,448

delighted to say that you you two are

109

00:05:45,598 --> 00:05:50,120

taking part in our secret project solar

110

00:05:48,449 --> 00:05:53,699

flare which is very exciting yeah

111

00:05:50,120 --> 00:05:57,209

absecon and you've heard a little sneak

112

00:05:53,699 --> 00:05:58,169

peek of it yeah and I think if you

113

00:05:57,209 --> 00:06:00,209

thought it was a very interesting

114

00:05:58,168 --> 00:06:03,180

project indeed but more about that in a

115
00:06:00,209 --> 00:06:04,228
few weeks but now since we've heard from

116
00:06:03,180 --> 00:06:06,478
you last time you've had a very

117
00:06:04,228 --> 00:06:08,818
interesting time indeed you went to Hong

118
00:06:06,478 --> 00:06:11,878
Kong and I must say the last time I was

119
00:06:08,819 --> 00:06:13,229
in Hong Kong I think I was about four

120
00:06:11,879 --> 00:06:14,819
years old way back in nineteen

121
00:06:13,228 --> 00:06:17,218
sixty-nine so I don't really remember

122
00:06:14,819 --> 00:06:18,838
too much about it what what what were

123
00:06:17,218 --> 00:06:20,550
your impressions of Hong Kong and why

124
00:06:18,838 --> 00:06:23,728
did you go there it's where my dad is

125
00:06:20,550 --> 00:06:27,028
from and I just in december i graduated

126
00:06:23,728 --> 00:06:29,550
from university as a you know graduation

127
00:06:27,028 --> 00:06:32,639
gift my dad said hey what would you like

128
00:06:29,550 --> 00:06:35,399
to go to Hong Kong so I said yes I went

129
00:06:32,639 --> 00:06:38,370
and I had a fantastic time it was 10

130
00:06:35,399 --> 00:06:41,519
days there I saw all the sights there's

131
00:06:38,370 --> 00:06:43,978
so much to see it's a wonderful

132
00:06:41,519 --> 00:06:46,019
wonderful city it's got such a huge

133
00:06:43,978 --> 00:06:48,538
population crammed into a very small

134
00:06:46,019 --> 00:06:51,028
area so i will say it was quite crowded

135
00:06:48,538 --> 00:06:52,560
but a good place i mean i had a really

136
00:06:51,028 --> 00:06:56,490
good time it was really interesting um

137
00:06:52,560 --> 00:06:57,949
it's a place that is really a good place

138
00:06:56,490 --> 00:07:00,860
to explore

139
00:06:57,949 --> 00:07:02,479
alternative medicinal practices so easy

140
00:07:00,860 --> 00:07:05,420
well I guess I shouldn't I shouldn't

141
00:07:02,480 --> 00:07:07,280
sound too surprised because we always

142
00:07:05,420 --> 00:07:09,710
hear about things like chinese

143

00:07:07,279 --> 00:07:12,169
traditional medicine or herbal medicine

144
00:07:09,709 --> 00:07:14,589
and things like this but I've I've never

145
00:07:12,170 --> 00:07:17,000
really been in a place where it's been

146
00:07:14,589 --> 00:07:18,829
everywhere and I guess Hong Kong is sort

147
00:07:17,000 --> 00:07:22,160
of like that yes and what's interesting

148
00:07:18,829 --> 00:07:23,959
is that it is one of the most modern

149
00:07:22,160 --> 00:07:26,420
cities on the planet you know it's up

150
00:07:23,959 --> 00:07:29,469
there with los angeles new york and

151
00:07:26,420 --> 00:07:33,890
london and sydney so it's very very

152
00:07:29,470 --> 00:07:35,210
modern in every sense possible it's

153
00:07:33,889 --> 00:07:37,069
actually really gorgeous there the

154
00:07:35,209 --> 00:07:39,439
infrastructure and you know the

155
00:07:37,069 --> 00:07:42,170
buildings and and the transportation is

156
00:07:39,439 --> 00:07:43,819
amazing that public transport is put me

157
00:07:42,170 --> 00:07:47,660

really makes me feel ashamed of how

158

00:07:43,819 --> 00:07:49,339

crappy the metro line is here um you

159

00:07:47,660 --> 00:07:53,540

should you should try it here in Sydney

160

00:07:49,339 --> 00:07:55,369

I tell you what well could be better oh

161

00:07:53,540 --> 00:07:56,990

yes and some of those trains on air

162

00:07:55,370 --> 00:07:58,910

condition in the summertime i would but

163

00:07:56,990 --> 00:08:01,850

let's get back to the real topic of the

164

00:07:58,910 --> 00:08:04,120

conversation being in hong kong what did

165

00:08:01,850 --> 00:08:06,800

you experience in the way of interesting

166

00:08:04,120 --> 00:08:09,769

well can we say traditional or can we

167

00:08:06,800 --> 00:08:11,300

say New Age sort of practices okay well

168

00:08:09,769 --> 00:08:12,469

I don't want to like you know make a big

169

00:08:11,300 --> 00:08:13,759

generalization and say you know

170

00:08:12,470 --> 00:08:17,270

everybody in Hong Kong is so

171

00:08:13,759 --> 00:08:20,389

superstitious people will not outright

172
00:08:17,269 --> 00:08:22,969
ignore modern medicine practices they

173
00:08:20,389 --> 00:08:26,180
will go to the hospital if their leg is

174
00:08:22,970 --> 00:08:28,940
broken or something but they put equal

175
00:08:26,180 --> 00:08:32,090
stock of about many people for example

176
00:08:28,939 --> 00:08:33,759
the people that I stayed with them or I

177
00:08:32,090 --> 00:08:37,910
stayed with family when i was there

178
00:08:33,759 --> 00:08:41,299
mostly and they put up an equal stock in

179
00:08:37,909 --> 00:08:44,120
oh it's not alternative to them these

180
00:08:41,299 --> 00:08:46,699
steep for example say sorry let me be

181
00:08:44,120 --> 00:08:50,179
clear what i mean by alternative herbal

182
00:08:46,700 --> 00:08:54,170
medicine things like acupuncture massage

183
00:08:50,179 --> 00:08:57,049
therapy reflexology they are just as

184
00:08:54,169 --> 00:09:00,679
willing to turn to that as they would

185
00:08:57,049 --> 00:09:03,709
too modern you know what we would say

186
00:09:00,679 --> 00:09:06,979
medicine practices i did have the

187
00:09:03,710 --> 00:09:09,410
opportunity to go with one of my cousin

188
00:09:06,980 --> 00:09:10,310
to she so she's been having for example

189
00:09:09,409 --> 00:09:12,379
she's had his person

190
00:09:10,309 --> 00:09:14,689
took off for the past few years just

191
00:09:12,379 --> 00:09:17,149
this you know kind of chesty throating

192
00:09:14,690 --> 00:09:21,110
coffin it's been bothering her and she

193
00:09:17,149 --> 00:09:23,899
says that her um modern Western trained

194
00:09:21,110 --> 00:09:25,669
doctor is not able to help her so for

195
00:09:23,899 --> 00:09:30,319
the past few months or so she's been

196
00:09:25,669 --> 00:09:32,509
going to see um a guy I can't I don't

197
00:09:30,320 --> 00:09:34,850
know what the English word for it is and

198
00:09:32,509 --> 00:09:38,360
it's not bonesetter it's is this guy

199
00:09:34,850 --> 00:09:42,159
who'd okay so we went to this this house

200

00:09:38,360 --> 00:09:45,710
you know on the outskirts of town and

201
00:09:42,159 --> 00:09:48,860
it's this apartment on the lowest floor

202
00:09:45,710 --> 00:09:51,350
and he this old man has this like front

203
00:09:48,860 --> 00:09:54,379
reception office and back in the back

204
00:09:51,350 --> 00:09:56,120
room there's a bed with some within as

205
00:09:54,379 --> 00:09:59,778
charts on the wall with you know

206
00:09:56,120 --> 00:10:02,120
acupuncture Meridian charted out and

207
00:09:59,778 --> 00:10:04,129
then there's a bed and the next two on

208
00:10:02,120 --> 00:10:06,049
the table there's like a bottle of

209
00:10:04,129 --> 00:10:08,149
brandy I'm like oh my god what's going

210
00:10:06,049 --> 00:10:10,069
to go hot in here she's like no just

211
00:10:08,149 --> 00:10:12,889
watch so she gets off the bed on her

212
00:10:10,070 --> 00:10:15,230
stomach and he starts to like twist her

213
00:10:12,889 --> 00:10:18,379
arm and shoulder back and she's

214
00:10:15,230 --> 00:10:23,000

squealing and screaming and out I'm like

215

00:10:18,379 --> 00:10:26,750

it I can bear to watch they're like no

216

00:10:23,000 --> 00:10:28,730

no it's okay and he's he's fixing her it

217

00:10:26,750 --> 00:10:32,029

looks like it hurts she's like yes it

218

00:10:28,730 --> 00:10:33,830

hurts but it's good for me Oh No so

219

00:10:32,029 --> 00:10:36,860

after about five minutes of that I've

220

00:10:33,830 --> 00:10:38,930

heard just like I am like stop she came

221

00:10:36,860 --> 00:10:42,589

out and he handed her some of these

222

00:10:38,929 --> 00:10:44,539

round green pills that are basically you

223

00:10:42,589 --> 00:10:46,700

know herbal remedies and she just

224

00:10:44,539 --> 00:10:49,069

swallow them she's like so yeah I go in

225

00:10:46,700 --> 00:10:51,230

and he twists my arms up into a pretzel

226

00:10:49,070 --> 00:10:58,190

and then he gives me these pills and I

227

00:10:51,230 --> 00:10:59,269

feel better Wow okay good well I can't

228

00:10:58,190 --> 00:11:01,550

might see the connection between

229
00:10:59,269 --> 00:11:04,610
twisting somebody's arms and green pills

230
00:11:01,549 --> 00:11:07,370
in a cough and I noticed that she kind

231
00:11:04,610 --> 00:11:10,370
of still cough so help it but whatever

232
00:11:07,370 --> 00:11:13,250
makes her feel better I guess so that

233
00:11:10,370 --> 00:11:14,839
was my first experience with that my

234
00:11:13,250 --> 00:11:16,669
other cousin said he'll be if you're

235
00:11:14,839 --> 00:11:19,250
interested in trying some of this stuff

236
00:11:16,669 --> 00:11:20,049
our whole family goes to this one clinic

237
00:11:19,250 --> 00:11:22,059
and in the

238
00:11:20,049 --> 00:11:23,559
the city they're very very good they're

239
00:11:22,059 --> 00:11:25,088
very reputable you know you know they're

240
00:11:23,559 --> 00:11:27,759
trying to reassure me that's they're not

241
00:11:25,089 --> 00:11:29,320
gonna just like give me some infection

242
00:11:27,759 --> 00:11:31,899
from there acupuncture needles when I'm

243
00:11:29,320 --> 00:11:34,330
there's like oh okay so I did a little

244
00:11:31,899 --> 00:11:36,100
more research into this and still see

245
00:11:34,330 --> 00:11:37,389
what i can do cuz there's the thing is I

246
00:11:36,100 --> 00:11:39,670
think I went about it the wrong way

247
00:11:37,389 --> 00:11:41,799
because I I wanted to try at least one

248
00:11:39,669 --> 00:11:43,958
of these alternative therapies allows

249
00:11:41,799 --> 00:11:47,019
there but you know what we have it here

250
00:11:43,958 --> 00:11:49,469
you know cupping then where they give

251
00:11:47,019 --> 00:11:51,909
you big bruises from the vacuum cups and

252
00:11:49,470 --> 00:11:54,490
then they think that I've never heard of

253
00:11:51,909 --> 00:11:57,519
called wausau which is where they take a

254
00:11:54,490 --> 00:12:00,490
tool with a rounded edge like a such as

255
00:11:57,519 --> 00:12:03,429
a one-dollar coin and they basically

256
00:12:00,490 --> 00:12:06,370
push it push it hard into your back and

257

00:12:03,429 --> 00:12:08,769
your neck and your shoulder blades until

258
00:12:06,370 --> 00:12:10,570
you get these tiger stripe bruises hmm

259
00:12:08,769 --> 00:12:12,940
this practice actually originated in

260
00:12:10,570 --> 00:12:16,870
Vietnam but it's also popular in Hong

261
00:12:12,940 --> 00:12:20,079
Kong and so the bruises left by the goo

262
00:12:16,870 --> 00:12:24,450
saw a similar to the cupping the darker

263
00:12:20,078 --> 00:12:29,139
the bruise the better and somehow

264
00:12:24,450 --> 00:12:33,190
bruising as the bruises fade it's better

265
00:12:29,139 --> 00:12:36,399
for your blood and will cure it was like

266
00:12:33,190 --> 00:12:39,220
flu but I hear differing things from

267
00:12:36,399 --> 00:12:42,278
wherever I hear like like so bruises are

268
00:12:39,220 --> 00:12:45,160
helping something everybody's like yes

269
00:12:42,278 --> 00:12:47,200
yes the bruises are good thing so I'm

270
00:12:45,159 --> 00:12:48,909
like I wanted something dramatic looking

271
00:12:47,200 --> 00:12:50,470

like that and then I realize I'm going

272

00:12:48,909 --> 00:12:52,750

about it the wrong way I can't just go

273

00:12:50,470 --> 00:12:55,028

into a clinic and say give me bruises I

274

00:12:52,750 --> 00:12:56,649

want something impressive looking when I

275

00:12:55,028 --> 00:12:58,990

come back in it be instead of a tattoo

276

00:12:56,649 --> 00:13:01,120

just a bunch of goofs ahh tiger-striped

277

00:12:58,990 --> 00:13:02,799

bruises I'll do this the right way I'll

278

00:13:01,120 --> 00:13:04,629

go into the clinic and I'll tell them

279

00:13:02,799 --> 00:13:08,169

what my problem is and they'll tell me

280

00:13:04,629 --> 00:13:12,990

what I need to have so I went in one day

281

00:13:08,169 --> 00:13:15,698

and I talked to a lady named dr. yan I

282

00:13:12,990 --> 00:13:17,230

don't know if she's an actual doctor but

283

00:13:15,698 --> 00:13:20,469

she wore a white coat and she was very

284

00:13:17,230 --> 00:13:22,778

nice to me um and so it's like thing is

285

00:13:20,470 --> 00:13:24,670

I'm quite healthy actually I don't have

286
00:13:22,778 --> 00:13:26,708
any huge problems the only problem I

287
00:13:24,669 --> 00:13:29,349
guess what it was is that I sometimes

288
00:13:26,708 --> 00:13:31,838
get bouts of acne pimples on my face I

289
00:13:29,350 --> 00:13:33,580
said that's what my biggest problem I

290
00:13:31,839 --> 00:13:35,620
guess and she said oh yes

291
00:13:33,580 --> 00:13:38,680
that's obviously a problem with your

292
00:13:35,620 --> 00:13:41,620
energy meridians and stuff oh really oh

293
00:13:38,679 --> 00:13:43,329
wow so that's it of course I should have

294
00:13:41,620 --> 00:13:46,299
known when I was an adolescent that that

295
00:13:43,330 --> 00:13:49,270
was the problem ah all that time spent

296
00:13:46,299 --> 00:13:53,979
on all the expensive topical remedies is

297
00:13:49,269 --> 00:13:56,379
gone the vassar clinic so I went into

298
00:13:53,980 --> 00:13:58,840
this very clean consulting room and

299
00:13:56,379 --> 00:14:01,179
there's like table there for you to lie

300
00:13:58,840 --> 00:14:03,280
down on there's also i saw baskets of

301
00:14:01,179 --> 00:14:05,709
these glass cups for the cuffing and I'm

302
00:14:03,279 --> 00:14:09,939
like I I kind of don't want that now so

303
00:14:05,710 --> 00:14:12,430
she said ok here's what we'll do I think

304
00:14:09,940 --> 00:14:14,860
the best thing for you is acupuncture

305
00:14:12,429 --> 00:14:17,620
but don't worry I'm a professional I

306
00:14:14,860 --> 00:14:21,580
know what I'm doing um so we'll do that

307
00:14:17,620 --> 00:14:24,240
and I said okay give it to me so I've

308
00:14:21,580 --> 00:14:28,600
got pictures of that which is of my

309
00:14:24,240 --> 00:14:32,169
going I don't want to do hey someone

310
00:14:28,600 --> 00:14:36,159
just stick away with needles so um so I

311
00:14:32,169 --> 00:14:38,949
laid down and she put um needles into my

312
00:14:36,159 --> 00:14:42,069
hands right here between my thumb and my

313
00:14:38,950 --> 00:14:43,450
index finger that hurt actually I've

314

00:14:42,070 --> 00:14:46,720
heard acupuncture doesn't hurt that much

315
00:14:43,450 --> 00:14:49,120
but she stuck them right into nerves it

316
00:14:46,720 --> 00:14:51,759
felt like oh you know you make it kind

317
00:14:49,120 --> 00:14:54,519
of should her like how ow yeah um she

318
00:14:51,759 --> 00:14:58,360
sent in she stuck them each into each of

319
00:14:54,519 --> 00:15:01,539
my arms just below the elbow then she

320
00:14:58,360 --> 00:15:04,840
sucks one into each ankle and then she

321
00:15:01,539 --> 00:15:07,089
started Ingham in my face oh I could

322
00:15:04,840 --> 00:15:08,860
feel my heart rate going I mean I wish

323
00:15:07,090 --> 00:15:12,639
I'd been hooked up to an EKG just for

324
00:15:08,860 --> 00:15:15,340
science reasons like needles at my face

325
00:15:12,639 --> 00:15:19,059
so she stuck I think for into my

326
00:15:15,340 --> 00:15:23,170
hairline two in each cheek I think three

327
00:15:19,059 --> 00:15:25,149
into my chin whoa and I then she just

328
00:15:23,169 --> 00:15:27,519

said all right now you lay here for 20

329

00:15:25,149 --> 00:15:29,889

minutes and I'll be right here if you

330

00:15:27,519 --> 00:15:32,769

need anything and 20 minutes we'll take

331

00:15:29,889 --> 00:15:34,360

them out and that'll be it so I just you

332

00:15:32,769 --> 00:15:36,250

know lay their kind of with my

333

00:15:34,360 --> 00:15:38,980

and my chest trying not to move because

334

00:15:36,250 --> 00:15:43,629

when i move my hands you know it hurt oh

335

00:15:38,980 --> 00:15:45,940

my god oh this is weird um but yeah my

336

00:15:43,629 --> 00:15:49,809

heart was beautiful time I could feel

337

00:15:45,940 --> 00:15:52,180

the the the panicky hormones kind of

338

00:15:49,809 --> 00:15:56,109

coursing through me but I'm after a few

339

00:15:52,179 --> 00:15:59,019

mushy took them out and I left and my

340

00:15:56,110 --> 00:16:02,829

skin problems are you know they're not

341

00:15:59,019 --> 00:16:05,350

worse well you're looking okay to me I

342

00:16:02,828 --> 00:16:07,449

can't see me I can't see any problems at

343
00:16:05,350 --> 00:16:09,220
the moment oh thank you well I put on a

344
00:16:07,450 --> 00:16:13,060
little makeup before I turned on like

345
00:16:09,220 --> 00:16:16,209
puters though that was now I can say

346
00:16:13,059 --> 00:16:17,859
I've done acupuncture so no more no one

347
00:16:16,208 --> 00:16:20,259
can say to me don't knock it till you've

348
00:16:17,860 --> 00:16:22,750
tried it good feeling mine's us of

349
00:16:20,259 --> 00:16:24,250
reminds me of my good friends I would

350
00:16:22,750 --> 00:16:27,490
friends at the owner Ross and Carrie

351
00:16:24,250 --> 00:16:28,990
podcast to do all these crazy yeah I was

352
00:16:27,490 --> 00:16:30,370
like oh yeah this i was thinking i was

353
00:16:28,990 --> 00:16:34,000
there i was like why am I doing this

354
00:16:30,370 --> 00:16:36,009
Ross and Carrie already did it but yeah

355
00:16:34,000 --> 00:16:38,860
so that was my adventure I didn't just

356
00:16:36,009 --> 00:16:41,078
try acupuncture I also um went in for

357
00:16:38,860 --> 00:16:44,169
reflexology twice it was more of just

358
00:16:41,078 --> 00:16:45,909
like a very long foot massage oh no

359
00:16:44,169 --> 00:16:47,948
smell but this I mean I thought it was

360
00:16:45,909 --> 00:16:50,708
supposed to hurt more but it didn't it

361
00:16:47,948 --> 00:16:52,389
was it was quite nice um I also did a

362
00:16:50,708 --> 00:16:55,689
thing I've never heard of before called

363
00:16:52,389 --> 00:16:57,730
Tibetan foot steaming to bed what

364
00:16:55,690 --> 00:17:00,209
steaming it's it alright sounds like a

365
00:16:57,730 --> 00:17:04,870
new age pop group doesn't it oh yeah

366
00:17:00,208 --> 00:17:06,899
bacon testing me boo boo boo actually

367
00:17:04,869 --> 00:17:10,409
took me it was more like an interesting

368
00:17:06,900 --> 00:17:13,298
dish that you have basically it's just a

369
00:17:10,410 --> 00:17:15,220
pedicure salon it was that it was quite

370
00:17:13,298 --> 00:17:17,379
nice you look at this very lovely you

371

00:17:15,220 --> 00:17:19,838
know nail salon but they have you like

372
00:17:17,380 --> 00:17:21,699
change into like these silky pajamas and

373
00:17:19,838 --> 00:17:23,980
then you lay down if you sit down in

374
00:17:21,699 --> 00:17:27,130
these cushy chairs but then they stick

375
00:17:23,980 --> 00:17:29,440
your feet your bare feet into these big

376
00:17:27,130 --> 00:17:32,470
buckets the big wooden buckets up to

377
00:17:29,440 --> 00:17:34,690
your knees and attached to the bottom of

378
00:17:32,470 --> 00:17:36,640
the bucket is this hose and and the hose

379
00:17:34,690 --> 00:17:39,308
is hooked up to basically what looks

380
00:17:36,640 --> 00:17:41,890
like a rice cooker oh yeah it just

381
00:17:39,308 --> 00:17:43,750
creates team and then they put a sashay

382
00:17:41,890 --> 00:17:47,150
of herbs

383
00:17:43,750 --> 00:17:50,058
medicinal herbs in two I think the

384
00:17:47,150 --> 00:17:52,870
bucket and then it just and they cover

385
00:17:50,058 --> 00:17:59,569

your knees up with the put the towel and

386

00:17:52,869 --> 00:18:02,808

somehow the herbs in the steam goes into

387

00:17:59,569 --> 00:18:05,689

your feet through the steam and it's

388

00:18:02,808 --> 00:18:07,220

supposed to be detoxifying and no it's

389

00:18:05,690 --> 00:18:10,279

not interesting because of course we

390

00:18:07,220 --> 00:18:12,289

hear a lot about these foot patches that

391

00:18:10,279 --> 00:18:14,660

you put on your way to draw out the

392

00:18:12,289 --> 00:18:18,740

toxins you're telling me your treatment

393

00:18:14,660 --> 00:18:23,360

that puts things in to draw out toxins

394

00:18:18,740 --> 00:18:26,329

so I don't know hmm but it was highly

395

00:18:23,359 --> 00:18:28,308

mech recommended so I tried it and you

396

00:18:26,329 --> 00:18:30,740

know it was very relaxing and I don't

397

00:18:28,308 --> 00:18:34,490

know look I'm added afterwards a very

398

00:18:30,740 --> 00:18:36,829

clean softened feet but yeah they give

399

00:18:34,490 --> 00:18:39,679

you a menu to whichever problem you've

400
00:18:36,829 --> 00:18:43,069
got there's a sashay of medicinal herbs

401
00:18:39,679 --> 00:18:45,530
for each problem and you know I just

402
00:18:43,069 --> 00:18:47,928
shows the detoxifying one cuz I'm like

403
00:18:45,529 --> 00:18:50,029
oh oh I don't have any arthritic

404
00:18:47,929 --> 00:18:52,040
problems though I don't know what a foot

405
00:18:50,029 --> 00:18:54,500
steam would do to help but I don't want

406
00:18:52,039 --> 00:18:57,349
to not get too much because I honestly

407
00:18:54,500 --> 00:18:59,390
did ask my friends and family there for

408
00:18:57,349 --> 00:19:02,869
their best opinion on what to do and

409
00:18:59,390 --> 00:19:04,520
they showed me the best places so it was

410
00:19:02,869 --> 00:19:06,739
it was a good experience I'm glad I've

411
00:19:04,519 --> 00:19:08,509
tried all these stuff I had a good time

412
00:19:06,740 --> 00:19:10,130
trying except with it well it's a very

413
00:19:08,509 --> 00:19:12,849
important point painting because you're

414
00:19:10,130 --> 00:19:14,990
right a lot of people will say to us

415
00:19:12,849 --> 00:19:17,599
when we're talking about something that

416
00:19:14,990 --> 00:19:19,250
we don't think has much credibility well

417
00:19:17,599 --> 00:19:20,659
don't knock it until you try it I you

418
00:19:19,250 --> 00:19:23,089
haven't tried it yet you don't know what

419
00:19:20,660 --> 00:19:24,919
you're talking about and now I've I have

420
00:19:23,089 --> 00:19:26,659
tried lots of weird things over the

421
00:19:24,919 --> 00:19:27,860
years so it's good to know that more

422
00:19:26,660 --> 00:19:30,380
people like you are getting out there

423
00:19:27,859 --> 00:19:32,899
and even if even if we think we have

424
00:19:30,380 --> 00:19:35,330
this preconception that it's one thing

425
00:19:32,900 --> 00:19:38,000
well we can say honestly we gave it a

426
00:19:35,329 --> 00:19:39,589
shot and we should try to give these

427
00:19:38,000 --> 00:19:41,990
things a shot with an open mind and see

428

00:19:39,589 --> 00:19:44,298
where they get you so I'm glad you did

429
00:19:41,990 --> 00:19:47,539
it and I hope you try some more wacky

430
00:19:44,298 --> 00:19:48,918
and crazy things oh I do intend to and

431
00:19:47,539 --> 00:19:51,589
one of these days I'm going to try the

432
00:19:48,919 --> 00:19:54,320
cupping I wanted to see how dark the

433
00:19:51,589 --> 00:19:55,369
bruises can be oh yeah and about that i

434
00:19:54,319 --> 00:19:57,230
was asking mike

435
00:19:55,369 --> 00:20:00,949
about that who he's tried it a lot of

436
00:19:57,230 --> 00:20:04,130
times there and he said that the darker

437
00:20:00,950 --> 00:20:06,769
the bruise the better but what's

438
00:20:04,130 --> 00:20:09,860
interesting is that he has recently

439
00:20:06,769 --> 00:20:11,539
taken a very taken starting taking his

440
00:20:09,859 --> 00:20:13,759
health very seriously and he started

441
00:20:11,539 --> 00:20:17,389
actually exercising so when I was asked

442
00:20:13,759 --> 00:20:19,160

him about the cuffing he said well you

443

00:20:17,390 --> 00:20:23,090

can try the cupping it's very good for

444

00:20:19,160 --> 00:20:25,400

you he assured me it's good but don't

445

00:20:23,089 --> 00:20:28,428

rely on it if you really want to get

446

00:20:25,400 --> 00:20:30,830

healthy you must exercise and you must

447

00:20:28,429 --> 00:20:33,050

eat healthy don't eat a lot of junk food

448

00:20:30,829 --> 00:20:35,839

don't drink a lot of soda drink tea

449

00:20:33,049 --> 00:20:38,058

drink water and you know eat lots of

450

00:20:35,839 --> 00:20:41,058

leafy green vegetables and start jogging

451

00:20:38,058 --> 00:20:43,579

everyday or do yoga or something that is

452

00:20:41,058 --> 00:20:47,990

even better than the cupping so I'm glad

453

00:20:43,579 --> 00:20:49,909

that he's recommending this um you know

454

00:20:47,990 --> 00:20:52,130

to its as highly you know that the

455

00:20:49,910 --> 00:20:54,170

healthy lifestyle is just as good as the

456

00:20:52,130 --> 00:20:57,010

cuffing so it's interesting and which is

457
00:20:54,170 --> 00:20:59,090
actually the mentality of quite a lot of

458
00:20:57,009 --> 00:21:04,279
Chinese people i would say because they

459
00:20:59,089 --> 00:21:06,980
do um don't try to just rely on these

460
00:21:04,279 --> 00:21:08,149
remedies they try to rely more on a

461
00:21:06,980 --> 00:21:10,099
healthy lifestyle you know more about

462
00:21:08,150 --> 00:21:11,900
preventative medicine so yeah well I

463
00:21:10,099 --> 00:21:15,500
wish more people in the first world

464
00:21:11,900 --> 00:21:20,660
would think that and get out there and

465
00:21:15,500 --> 00:21:22,789
yeah I certainly try my best to do what

466
00:21:20,660 --> 00:21:24,980
I can in that respect and I think it's

467
00:21:22,789 --> 00:21:28,428
good advice no matter what culture

468
00:21:24,980 --> 00:21:31,130
you're in exactly exactly it was a good

469
00:21:28,429 --> 00:21:33,410
lesson penny what a wonderful treat it

470
00:21:31,130 --> 00:21:36,020
is to catch up and see you again and

471
00:21:33,410 --> 00:21:38,660
please give my best to your dad a good

472
00:21:36,019 --> 00:21:40,819
friend oh I will oh and here's I did

473
00:21:38,660 --> 00:21:43,808
want to give a quick shout-out for um

474
00:21:40,819 --> 00:21:46,669
Susan germek she's told me recently that

475
00:21:43,808 --> 00:21:48,649
there's been a bunch of excellent stuff

476
00:21:46,670 --> 00:21:51,350
recently on the guerrilla skepticism

477
00:21:48,650 --> 00:21:54,259
front she asked me to just tell

478
00:21:51,349 --> 00:21:56,089
everybody that go to her blog a lot of

479
00:21:54,259 --> 00:21:58,970
stuffs been happening recently there

480
00:21:56,089 --> 00:22:02,329
they're still doing there translate the

481
00:21:58,970 --> 00:22:04,940
wiki pages into all languages possible

482
00:22:02,329 --> 00:22:07,250
it's a great project yeah a lot of stuff

483
00:22:04,940 --> 00:22:09,920
they have a very excellent Portuguese

484
00:22:07,250 --> 00:22:12,410
translator right now and he's done some

485

00:22:09,920 --> 00:22:15,440
great stuff on the erich von daniken and

486
00:22:12,410 --> 00:22:17,720
the indigo children pages hmm that out

487
00:22:15,440 --> 00:22:20,210
well if you speak Portuguese it might be

488
00:22:17,720 --> 00:22:22,600
meaningful to you but no it's important

489
00:22:20,210 --> 00:22:24,500
nonetheless the Dutch and Russian

490
00:22:22,599 --> 00:22:26,480
translators have done some great stuff

491
00:22:24,500 --> 00:22:28,549
recently so check that out listeners

492
00:22:26,480 --> 00:22:31,759
just it out listeners they'll be a link

493
00:22:28,549 --> 00:22:34,159
in this week's show notes penny Chen I

494
00:22:31,759 --> 00:22:36,740
hope I hope I hope we can see each other

495
00:22:34,160 --> 00:22:38,930
Oh in a couple of months when the

496
00:22:36,740 --> 00:22:42,529
amazing meeting rolls around again oh

497
00:22:38,930 --> 00:22:46,610
yes of course and by that time everybody

498
00:22:42,529 --> 00:22:49,369
will know about solar flare mm-hmm can't

499
00:22:46,609 --> 00:22:53,500

wait Benny Jana penny for your thoughts

500

00:22:49,369 --> 00:22:53,500

thanks very much thank you Richard

501

00:23:03,569 --> 00:23:10,418

greetings skeptics Oh mrs. do you know

502

00:23:07,750 --> 00:23:13,210

what to do in August come to Stockholm

503

00:23:10,419 --> 00:23:16,179

Sweden and meet astronaut theorists

504

00:23:13,210 --> 00:23:20,009

there to design activists hey Lee

505

00:23:16,179 --> 00:23:23,380

Stevens stats guru upon screams sleep

506

00:23:20,009 --> 00:23:26,859

under cover health journalist an abyssea

507

00:23:23,380 --> 00:23:29,830

p and many more at the 15th european

508

00:23:26,859 --> 00:23:32,529

skeptics Congress friday the

509

00:23:29,829 --> 00:23:36,159

twenty-third to sunday the 25th of

510

00:23:32,529 --> 00:23:41,048

august in stockholm sweden for the 15th

511

00:23:36,160 --> 00:24:07,919

european skeptics carcass www skeptics

512

00:23:41,048 --> 00:24:13,769

color photography www.yatakalti.com i

513

00:24:07,919 --> 00:24:19,120

was a bastard I didn't go to school I

514
00:24:13,769 --> 00:24:21,339
had free time to myself so I wanted to

515
00:24:19,119 --> 00:24:22,939
see a vaudeville show with Harry

516
00:24:21,339 --> 00:24:27,409
Blackstone

517
00:24:22,940 --> 00:24:29,860
I saw him actually cause a lady to flow

518
00:24:27,410 --> 00:24:29,860
to the air

519
00:24:36,289 --> 00:24:38,349
you

520
00:24:48,829 --> 00:24:58,490
who is the amazing Randi hey he's the

521
00:24:53,160 --> 00:24:58,490
amazing Randi here is the amazing Randy

522
00:24:58,759 --> 00:25:02,609
Randy is an artist liar he says it's

523
00:25:01,049 --> 00:25:03,509
gonna deceive you and then he does I'm

524
00:25:02,609 --> 00:25:05,219
not going to tell you I have

525
00:25:03,509 --> 00:25:06,869
supernatural powers I'm gonna tell you

526
00:25:05,220 --> 00:25:09,509
I'm totally normal which actually makes

527
00:25:06,869 --> 00:25:12,329
it more exciting he has managed to span

528
00:25:09,509 --> 00:25:15,420
several different worlds he's not always

529
00:25:12,329 --> 00:25:17,699
the same thing he was a world-famous

530
00:25:15,420 --> 00:25:20,970
magician and he was really a kind of

531
00:25:17,700 --> 00:25:23,370
Superman escapes from straitjackets from

532
00:25:20,970 --> 00:25:25,529
burning robes over Niagara Falls buried

533
00:25:23,369 --> 00:25:31,289
under the ICP Houdini's record being

534
00:25:25,529 --> 00:25:33,059
buried in a coffin Miranda you've been

535
00:25:31,289 --> 00:25:34,920
going around the country somewhere this

536
00:25:33,059 --> 00:25:37,109
Houdini used to in the past trying to

537
00:25:34,920 --> 00:25:39,600
debunk those who say that its psychic

538
00:25:37,109 --> 00:25:41,939
power you say it's magic people like

539
00:25:39,599 --> 00:25:44,609
Randy are doing a huge service by

540
00:25:41,940 --> 00:25:46,680
unmasking these fakes mountebanks and

541
00:25:44,609 --> 00:25:49,199
charlatans what you need is someone who

542

00:25:46,680 --> 00:25:51,720
is an expert deceiver in his own right

543
00:25:49,200 --> 00:25:54,240
the great trinity of magic skepticism

544
00:25:51,720 --> 00:25:57,269
and science I had not fully appreciated

545
00:25:54,240 --> 00:25:59,490
until I saw James Randi do his routines

546
00:25:57,269 --> 00:26:01,650
and I saw him on The Tonight Show when

547
00:25:59,490 --> 00:26:05,759
he did the thing read debunked pop off

548
00:26:01,650 --> 00:26:07,530
pop off who is alleged be hearing the

549
00:26:05,759 --> 00:26:09,150
voice of God and you go around his

550
00:26:07,529 --> 00:26:11,039
congregation and tell people amazing

551
00:26:09,150 --> 00:26:13,830
things about themselves got cancer of

552
00:26:11,039 --> 00:26:17,490
the stomach are you ready for God to

553
00:26:13,829 --> 00:26:18,750
burn that cancer out he had them come

554
00:26:17,490 --> 00:26:21,480
out of the audience and throw their

555
00:26:18,750 --> 00:26:23,220
pills up on stage from up there and we

556
00:26:21,480 --> 00:26:25,650

discovered that the man was wearing of

557

00:26:23,220 --> 00:26:27,569

all things a hearing aid in his left ear

558

00:26:25,650 --> 00:26:29,040

the man who heals the Deaf and the blind

559

00:26:27,569 --> 00:26:30,480

isn't going to have much use for a

560

00:26:29,039 --> 00:26:32,099

hearing aid one would think we

561

00:26:30,480 --> 00:26:34,950

discovered that someone is sitting at a

562

00:26:32,099 --> 00:26:36,689

transmitter backstage who is Harold what

563

00:26:34,950 --> 00:26:39,150

Randy did was to tune in to the same

564

00:26:36,690 --> 00:26:43,360

frequency and allowed us to hear the

565

00:26:39,150 --> 00:26:46,840

voice of God okay 267 masters

566

00:26:43,359 --> 00:26:48,819

for 267 Masterson I can see the legions

567

00:26:46,839 --> 00:26:51,159

of God all around your house that's

568

00:26:48,819 --> 00:26:54,399

disturbing when you see it he breaks

569

00:26:51,160 --> 00:26:57,130

down the people he's he's uncovered as

570

00:26:54,400 --> 00:26:58,929

as to his tight of degree as he can

571
00:26:57,130 --> 00:27:01,240
showing all their methodologies in all

572
00:26:58,929 --> 00:27:05,019
of their tricks after Yoli takes I see

573
00:27:01,240 --> 00:27:06,640
why not I'm a charlatan this ability to

574
00:27:05,019 --> 00:27:09,190
figure out when someone's trying to fool

575
00:27:06,640 --> 00:27:11,920
you is of enormous value and James Randi

576
00:27:09,190 --> 00:27:24,940
is the past master perhaps the world's

577
00:27:11,920 --> 00:27:27,580
foremost authority on how to do that the

578
00:27:24,940 --> 00:27:30,130
solution is rather simple all of these

579
00:27:27,579 --> 00:27:35,289
people who say that they can speak with

580
00:27:30,130 --> 00:27:40,720
the dead are like vulture wow that

581
00:27:35,289 --> 00:27:42,789
doesn't come up I just ingested six and

582
00:27:40,720 --> 00:27:45,370
a half days worth of homeopathic

583
00:27:42,789 --> 00:27:49,659
sleeping pill missed you believe in God

584
00:27:45,369 --> 00:27:51,279
which God II for any guard any God no no

585
00:27:49,660 --> 00:27:53,529
i don't i don't have compelling evidence

586
00:27:51,279 --> 00:27:55,089
that convinces me there is a deity see i

587
00:27:53,529 --> 00:27:56,710
bet you don't believe in the tooth fairy

588
00:27:55,089 --> 00:28:01,629
or santa claus either well i'm looking

589
00:27:56,710 --> 00:28:05,919
at the Santa Claus this is what I call

590
00:28:01,630 --> 00:28:07,360
home now and I'm rather pleased with

591
00:28:05,919 --> 00:28:09,929
brother pls rip the neighbors were

592
00:28:07,359 --> 00:28:12,039
across the canal so I sufficiently

593
00:28:09,929 --> 00:28:15,840
separated them and they're probably very

594
00:28:12,039 --> 00:28:19,298
happy about that to our pal James Randi

595
00:28:15,839 --> 00:28:21,699
stammers I was what if you guys here's

596
00:28:19,298 --> 00:28:24,069
how genetic Randy I had never considered

597
00:28:21,700 --> 00:28:25,870
the possibility that magic to be done

598
00:28:24,069 --> 00:28:27,909
morally you didn't have to lie to do

599

00:28:25,869 --> 00:28:29,349
magic was a brand-new idea yeah I have

600
00:28:27,910 --> 00:28:31,950
said many times I don't mind saying

601
00:28:29,349 --> 00:28:35,558
about Aunt Eller he is the most lovable

602
00:28:31,950 --> 00:28:40,058
avuncular our area are very gracious and

603
00:28:35,558 --> 00:28:42,190
generous sweet granddad which reminds me

604
00:28:40,058 --> 00:28:44,259
when I turned without a scooper and yet

605
00:28:42,190 --> 00:28:46,870
he pulls no punches when talking about

606
00:28:44,259 --> 00:28:49,150
his life's work I've always had my

607
00:28:46,869 --> 00:28:51,399
battle with the psychics people who are

608
00:28:49,150 --> 00:28:53,259
stealing money from the public magicians

609
00:28:51,400 --> 00:28:55,090
don't lie to people magicians are the

610
00:28:53,259 --> 00:28:56,069
most honest people the world they tell

611
00:28:55,089 --> 00:29:00,509
you they're going to fool you

612
00:28:56,069 --> 00:29:02,639
and then they do it lies tell it by the

613
00:29:00,509 --> 00:29:05,279

fireside or the marketplace her in a

614

00:29:02,640 --> 00:29:09,890
movie almost any story is almost

615

00:29:05,279 --> 00:29:09,889
certainly some kind of lie

616

00:29:12,700 --> 00:29:20,259
an honest liar the amazing Randi story

617

00:29:17,730 --> 00:29:25,390
for more information and to help this

618

00:29:20,259 --> 00:29:29,640
worthwhile project visit w WN honest

619

00:29:25,390 --> 00:29:29,640
liya calm

620

00:29:34,669 --> 00:29:36,730
you

621

00:29:41,220 --> 00:29:47,200
the skeptic magazine the journal from

622

00:29:44,079 --> 00:29:49,449
Australian skeptics subscribe online to

623

00:29:47,200 --> 00:29:54,009
the world's second oldest skeptical

624

00:29:49,450 --> 00:29:57,308
magazine visit w WC apx cambiare you and

625

00:29:54,009 --> 00:30:00,940
click the publication's link you can

626

00:29:57,308 --> 00:30:04,269
also find their over 30 years on back

627

00:30:00,940 --> 00:30:16,659
issues free to download the skeptic

628
00:30:04,269 --> 00:30:22,888
magazine from Australian skeptics here's

629
00:30:16,659 --> 00:30:22,889
main art spooky action at a distance

630
00:30:23,650 --> 00:30:27,860
but we're in the usual skeptics own

631
00:30:26,119 --> 00:30:29,569
studio that we use here when we're out

632
00:30:27,859 --> 00:30:31,099
skeptics in the pub the basically the

633
00:30:29,569 --> 00:30:32,659
hallway little bit of carpet with our

634
00:30:31,099 --> 00:30:34,459
special guests who've we got this week

635
00:30:32,660 --> 00:30:36,470
yeah I'm Ben from physics education hey

636
00:30:34,460 --> 00:30:37,850
Don look Ben I just came in at the end

637
00:30:36,470 --> 00:30:39,950
of it there cuz like you know I raced

638
00:30:37,849 --> 00:30:41,839
away from work and I saw you tipping

639
00:30:39,950 --> 00:30:44,059
water upside down and doing all sorts of

640
00:30:41,839 --> 00:30:45,799
things and explaining how kids just

641
00:30:44,059 --> 00:30:46,909
don't believe you they've the day they

642
00:30:45,799 --> 00:30:48,409
almost think there's a bit of magic

643
00:30:46,910 --> 00:30:51,560
going on sometimes when you try and

644
00:30:48,410 --> 00:30:54,110
teach them stuff yes it mean having mad

645
00:30:51,559 --> 00:30:55,190
magic is they come in oh hang on we got

646
00:30:54,109 --> 00:30:56,659
plates our dinner coming through it's

647
00:30:55,190 --> 00:30:58,789
okay you're fine this happens every time

648
00:30:56,660 --> 00:31:00,470
we record here all right it just makes

649
00:30:58,789 --> 00:31:03,170
me hungry this good um now look it's

650
00:31:00,470 --> 00:31:05,390
it's quite okay for kids in you know

651
00:31:03,170 --> 00:31:06,860
believe in magic in some ways but I also

652
00:31:05,390 --> 00:31:08,330
wanted to think about just the rational

653
00:31:06,859 --> 00:31:10,279
ideas of science as well and so if

654
00:31:08,329 --> 00:31:11,990
anything it provides a talking point and

655
00:31:10,279 --> 00:31:13,730
where do you think they get the idea

656

00:31:11,990 --> 00:31:15,440
from magic from is it's something that's

657
00:31:13,730 --> 00:31:16,789
innate in kids because I love to dream

658
00:31:15,440 --> 00:31:19,400
and imagine or is it something that's

659
00:31:16,789 --> 00:31:21,710
brought to buy books Harry Potter or

660
00:31:19,400 --> 00:31:23,330
television like any did do you think

661
00:31:21,710 --> 00:31:25,340
it's just innate like even if there was

662
00:31:23,329 --> 00:31:27,349
no outside stimulus they would invent

663
00:31:25,339 --> 00:31:29,599
little magical things yeah it's part of

664
00:31:27,349 --> 00:31:31,279
growing up imagination is a key as part

665
00:31:29,599 --> 00:31:32,719
of the growth of their brain oh I

666
00:31:31,279 --> 00:31:33,769
reckoned it would definitely just put

667
00:31:32,720 --> 00:31:35,750
them in a white room they're still think

668
00:31:33,769 --> 00:31:37,490
of things interesting and what's the one

669
00:31:35,750 --> 00:31:39,319
that's hardest for you should to dispel

670
00:31:37,490 --> 00:31:42,079

you're trying to teach physics which for

671

00:31:39,319 --> 00:31:43,429

me physics is really hard maths for me

672

00:31:42,079 --> 00:31:45,529

because once you get into the quadratic

673

00:31:43,430 --> 00:31:47,240

equations and things like that that's

674

00:31:45,529 --> 00:31:49,609

actually I lost my love of science when

675

00:31:47,240 --> 00:31:51,740

it mathematics became involved that it

676

00:31:49,609 --> 00:31:53,089

became very difficult for me yeah yeah

677

00:31:51,740 --> 00:31:55,579

it's kind of like trying to sing your

678

00:31:53,089 --> 00:31:57,980

single down on just one thing ah geez

679

00:31:55,579 --> 00:31:59,299

hardest wanted to spell I mean being put

680

00:31:57,980 --> 00:32:01,519

on inspired would like to think of it

681

00:31:59,299 --> 00:32:02,859

more I think it's a collection I mean

682

00:32:01,519 --> 00:32:06,619

there's all sorts of things I mean

683

00:32:02,859 --> 00:32:09,289

didn't mention before people hang on to

684

00:32:06,619 --> 00:32:10,939

taste buds being there different parts

685
00:32:09,289 --> 00:32:12,470
of your tongue being sweet savory sour

686
00:32:10,940 --> 00:32:14,870
they can't a certain things better and

687
00:32:12,470 --> 00:32:17,350
whatnot and it's in complete fabrication

688
00:32:14,869 --> 00:32:20,209
based on a poor translation of a journal

689
00:32:17,349 --> 00:32:22,549
from that 19 08 09 04 I can't remember

690
00:32:20,210 --> 00:32:24,769
right now but the idea was is that this

691
00:32:22,549 --> 00:32:26,180
particular thing that you have an area

692
00:32:24,769 --> 00:32:28,250
of the tongue only does sweet and that

693
00:32:26,180 --> 00:32:29,390
only try it put salt sweet and sour

694
00:32:28,250 --> 00:32:31,910
stuff on the tip of tongue guarantee

695
00:32:29,390 --> 00:32:33,710
you'll taste it every single time it's

696
00:32:31,910 --> 00:32:35,630
put in primary science textbooks the old

697
00:32:33,710 --> 00:32:38,569
ones because it was a bad translation

698
00:32:35,630 --> 00:32:40,610
which was then replicated over and over

699
00:32:38,569 --> 00:32:41,839
and over and over again and when we

700
00:32:40,609 --> 00:32:43,069
teach to the schools we actually get the

701
00:32:41,839 --> 00:32:44,809
teacher kind of put in a funny situation

702
00:32:43,069 --> 00:32:47,779
cuz they've actually gone and taught

703
00:32:44,809 --> 00:32:49,129
that thing and usually they all say it

704
00:32:47,779 --> 00:32:50,990
was hey we've done this taste test

705
00:32:49,130 --> 00:32:52,550
experiment thing on Tonya now I can't

706
00:32:50,990 --> 00:32:54,710
get it to work and I go you know why cuz

707
00:32:52,549 --> 00:32:57,859
it doesn't work and that's the thing

708
00:32:54,710 --> 00:32:59,360
it's um so it's it's really easy to

709
00:32:57,859 --> 00:33:00,859
dispel because you just get some sugar

710
00:32:59,359 --> 00:33:02,000
some salt and some citric acid and you

711
00:33:00,859 --> 00:33:04,899
put on different parts of your tongue I

712
00:33:02,000 --> 00:33:07,640
guarantee you'll taste it on each spot

713

00:33:04,900 --> 00:33:09,800
but they don't let that they ignore

714
00:33:07,640 --> 00:33:11,570
their observations in the face of what

715
00:33:09,799 --> 00:33:14,750
they're reading in the book or the dogma

716
00:33:11,569 --> 00:33:17,210
in the science teaching of their school

717
00:33:14,750 --> 00:33:18,680
so that it's easy as to get rid of them

718
00:33:17,210 --> 00:33:20,210
if they're just okay that just popped in

719
00:33:18,680 --> 00:33:21,769
my brain but just show it to me it just

720
00:33:20,210 --> 00:33:23,240
shows there are many things out there

721
00:33:21,769 --> 00:33:26,240
that we take for granted that may not be

722
00:33:23,240 --> 00:33:27,650
true and like I said with me the the the

723
00:33:26,240 --> 00:33:29,299
difficulty with mathematics is what

724
00:33:27,650 --> 00:33:30,980
killed my enjoyment of physics and

725
00:33:29,299 --> 00:33:32,240
chemistry I remember the one specific

726
00:33:30,980 --> 00:33:34,490
thing about chemistry that killed my

727
00:33:32,240 --> 00:33:36,620

interest in that science was getting my

728

00:33:34,490 --> 00:33:38,029

head around valency levels there was

729

00:33:36,619 --> 00:33:39,769

something we have valency levels in

730

00:33:38,029 --> 00:33:41,210

chemistry without teaching it to me

731

00:33:39,769 --> 00:33:43,490

again probably cuz that's a little bit

732

00:33:41,210 --> 00:33:45,440

mathematics lied to me and that's what

733

00:33:43,490 --> 00:33:47,390

killed it for me and what is it the

734

00:33:45,440 --> 00:33:49,370

thing with kids you see at the younger

735

00:33:47,390 --> 00:33:51,410

age that makes them get a disconnect

736

00:33:49,369 --> 00:33:52,489

with science and Gallants a bit hard you

737

00:33:51,410 --> 00:33:54,140

know what I think they're fine till

738

00:33:52,490 --> 00:33:55,490

about year six I think the issue is is

739

00:33:54,140 --> 00:33:57,830

that people try and make it too

740

00:33:55,490 --> 00:34:00,019

complicated rather than just teaching

741

00:33:57,829 --> 00:34:01,939

for the n8 you know just what was

742
00:34:00,019 --> 00:34:03,559
actually occurring in this experiment I

743
00:34:01,940 --> 00:34:05,630
think the scientific method needs to be

744
00:34:03,559 --> 00:34:06,799
embedded right on early like I didn't

745
00:34:05,630 --> 00:34:09,610
care for their preschool doesn't matter

746
00:34:06,799 --> 00:34:11,869
you can teach it we do teach it as that

747
00:34:09,610 --> 00:34:13,880
but the thing is that when they hit

748
00:34:11,869 --> 00:34:15,168
years 7 and this is what does turn kids

749
00:34:13,880 --> 00:34:17,900
off for science is plenty of journal

750
00:34:15,168 --> 00:34:20,000
articles supporting this the job of a

751
00:34:17,900 --> 00:34:21,440
science teacher is the first is to give

752
00:34:20,000 --> 00:34:23,389
them the safety rules and it gives

753
00:34:21,440 --> 00:34:24,590
critical you've got to do it you will

754
00:34:23,389 --> 00:34:25,909
have to go through what the scientific

755
00:34:24,590 --> 00:34:28,160
method is and these kids think they're

756
00:34:25,909 --> 00:34:29,418
coming from having watch cartoons or the

757
00:34:28,159 --> 00:34:31,339
stories about what might happen in a

758
00:34:29,418 --> 00:34:34,219
high school science lab and now they're

759
00:34:31,340 --> 00:34:35,570
boiling water and now they're doing

760
00:34:34,219 --> 00:34:38,119
something simple with paper and

761
00:34:35,570 --> 00:34:39,919
something else it's not the slime and

762
00:34:38,119 --> 00:34:40,819
explosions and mad science they really

763
00:34:39,918 --> 00:34:42,289
truly we thought was going to happen

764
00:34:40,820 --> 00:34:43,220
because you've got a rational science

765
00:34:42,289 --> 00:34:44,509
teacher try and teach them the

766
00:34:43,219 --> 00:34:47,599
scientific method and

767
00:34:44,510 --> 00:34:50,990
so they're given a myth which doesn't

768
00:34:47,599 --> 00:34:53,418
occur in high school and so yeah I know

769
00:34:50,989 --> 00:34:55,609
do you think some of the popular science

770

00:34:53,418 --> 00:34:57,980
shows even even the good ones like bang

771
00:34:55,610 --> 00:34:59,809
goes the theory and Mythbusters sort of

772
00:34:57,980 --> 00:35:01,369
Panda that a bit because they're almost

773
00:34:59,809 --> 00:35:03,170
always blowing things up because that's

774
00:35:01,369 --> 00:35:04,909
good on TV and that is indeed part of

775
00:35:03,170 --> 00:35:05,900
physics but people might come to expect

776
00:35:04,909 --> 00:35:07,339
a little bit much out of high school

777
00:35:05,900 --> 00:35:08,630
physics you know it's really tough

778
00:35:07,340 --> 00:35:10,220
because this is teacher you got to be an

779
00:35:08,630 --> 00:35:13,849
entertainer to otherwise you lose your

780
00:35:10,219 --> 00:35:15,289
audience which is your kids now you kind

781
00:35:13,849 --> 00:35:16,849
of have to propagate some of that myth

782
00:35:15,289 --> 00:35:19,400
because you want to make it interesting

783
00:35:16,849 --> 00:35:21,440
and make it lively and all the rest some

784
00:35:19,400 --> 00:35:23,539

kids need that myth around it to keep

785

00:35:21,440 --> 00:35:25,429

them engaged whereas other kids like it

786

00:35:23,539 --> 00:35:26,659

for the innate beauty of what's going on

787

00:35:25,429 --> 00:35:29,269

from the Sun from the scientific point

788

00:35:26,659 --> 00:35:32,889

of view and so yeah well then you see

789

00:35:29,269 --> 00:35:35,090

things in sitcoms and whatnot of course

790

00:35:32,889 --> 00:35:37,369

propelling the idea of a mad scientist

791

00:35:35,090 --> 00:35:39,410

is a classic example annoys a lot of

792

00:35:37,369 --> 00:35:41,889

really high-end scientist about this so

793

00:35:39,409 --> 00:35:44,569

really does but the reality is that

794

00:35:41,889 --> 00:35:47,690

these kids believe this and you know

795

00:35:44,570 --> 00:35:49,100

what it's tough but if that means you

796

00:35:47,690 --> 00:35:50,780

get just a little bit more interested to

797

00:35:49,099 --> 00:35:52,639

listen to you about how the world works

798

00:35:50,780 --> 00:35:54,050

you will use it a little bit and then

799
00:35:52,639 --> 00:35:55,789
you get rid of that myth later now for

800
00:35:54,050 --> 00:35:58,220
our American listeners who their

801
00:35:55,789 --> 00:36:00,409
educators in some states on a daily

802
00:35:58,219 --> 00:36:02,299
basis have to have a debate with

803
00:36:00,409 --> 00:36:03,949
creationist and there's pressure to put

804
00:36:02,300 --> 00:36:06,110
that into the school books is there

805
00:36:03,949 --> 00:36:07,639
anything like that in Australia in this

806
00:36:06,110 --> 00:36:10,220
country in any of the educational

807
00:36:07,639 --> 00:36:11,449
curriculum alright so the curriculum set

808
00:36:10,219 --> 00:36:14,689
by the board of studies of New South

809
00:36:11,449 --> 00:36:16,730
Wales estate in Australia now you know

810
00:36:14,690 --> 00:36:18,710
it teaches thou shalt follow head to the

811
00:36:16,730 --> 00:36:21,469
book you have to do it I mean and the

812
00:36:18,710 --> 00:36:23,030
reality is that is also Islamic schools

813
00:36:21,469 --> 00:36:24,709
there are Christian schools there are

814
00:36:23,030 --> 00:36:27,890
schools of many faiths and they are

815
00:36:24,710 --> 00:36:29,360
allowed by process to teach their faith

816
00:36:27,889 --> 00:36:31,159
they really just got and now with

817
00:36:29,360 --> 00:36:32,750
Catholic schools because there be one of

818
00:36:31,159 --> 00:36:34,219
the major private ones in Australia

819
00:36:32,750 --> 00:36:35,989
would they be able to teach creationism

820
00:36:34,219 --> 00:36:37,129
yes now they have to teach science

821
00:36:35,989 --> 00:36:39,349
alongside it because it's part of the

822
00:36:37,130 --> 00:36:41,030
syllabus and so the job of a science

823
00:36:39,349 --> 00:36:44,690
teacher in an organization like that is

824
00:36:41,030 --> 00:36:46,700
to say here is a theory and evolution is

825
00:36:44,690 --> 00:36:47,990
a theory is held up by evidence however

826
00:36:46,699 --> 00:36:50,809
it's still called a theory because it's

827

00:36:47,989 --> 00:36:52,609
not an outright law yet to the nth

828
00:36:50,809 --> 00:36:55,190
degree and that's the same thing with

829
00:36:52,610 --> 00:36:57,710
big bang theory and whatnot and so you

830
00:36:55,190 --> 00:36:58,909
given the evidence say this is it

831
00:36:57,710 --> 00:37:00,740
think about this particular theory is

832
00:36:58,909 --> 00:37:03,409
that's measurable and here are the

833
00:37:00,739 --> 00:37:05,149
evidence points and so you have to and

834
00:37:03,409 --> 00:37:07,699
there's actually a job as a teacher to

835
00:37:05,150 --> 00:37:09,108
say here okay I'm in a science room

836
00:37:07,699 --> 00:37:11,598
we're going to teach the scientific view

837
00:37:09,108 --> 00:37:12,559
of how the world works here is a is

838
00:37:11,599 --> 00:37:14,088
talking about the law of thermodynamics

839
00:37:12,559 --> 00:37:15,858
you say it's a law and this is how it's

840
00:37:14,088 --> 00:37:16,940
going to be there's how it works and the

841
00:37:15,858 --> 00:37:20,358

key can say it could be God or what

842

00:37:16,940 --> 00:37:22,880

everyone's I think now the when it comes

843

00:37:20,358 --> 00:37:24,559

to creation or evolution or a vision all

844

00:37:22,880 --> 00:37:27,050

that sort of debates they you say this

845

00:37:24,559 --> 00:37:29,059

is the scientific head space that we're

846

00:37:27,050 --> 00:37:30,619

coming from here are the evidence points

847

00:37:29,059 --> 00:37:33,349

you make your own rational thought

848

00:37:30,619 --> 00:37:35,180

around this and we leave it at that

849

00:37:33,349 --> 00:37:37,190

because you can't say as a lawyer yet

850

00:37:35,179 --> 00:37:38,809

they tell you what we say G is a pretty

851

00:37:37,190 --> 00:37:40,760

good theory because here are the points

852

00:37:38,809 --> 00:37:42,108

they're pretty almost irrefutable but

853

00:37:40,760 --> 00:37:43,750

you still call the theory because

854

00:37:42,108 --> 00:37:46,279

scientists haven't called it a lawyer

855

00:37:43,750 --> 00:37:47,900

now your job would be one of the most

856
00:37:46,280 --> 00:37:50,000
difficult ones on the planet in any

857
00:37:47,900 --> 00:37:51,800
educator has a difficult job from time

858
00:37:50,000 --> 00:37:52,909
to time and always like what I'm

859
00:37:51,800 --> 00:37:55,010
interviewing people to ask them about

860
00:37:52,909 --> 00:37:56,719
something everybody that can take who

861
00:37:55,010 --> 00:37:58,490
doesn't do your job something to help

862
00:37:56,719 --> 00:38:00,169
them through their everyday work so when

863
00:37:58,489 --> 00:38:01,699
things are tough for you when you've got

864
00:38:00,170 --> 00:38:04,010
a hard point getting the point across

865
00:38:01,699 --> 00:38:05,960
when the kids are mocking up when it's a

866
00:38:04,010 --> 00:38:07,849
hot day when the air conditions broken

867
00:38:05,960 --> 00:38:08,809
in the classroom that was built in 1950s

868
00:38:07,849 --> 00:38:10,820
and it was supposed to be a demand

869
00:38:08,809 --> 00:38:13,279
herbal classroom back then how their

870
00:38:10,820 --> 00:38:15,500
hell to invoke a biblical reference

871
00:38:13,280 --> 00:38:17,150
there do you get through the day and

872
00:38:15,500 --> 00:38:18,920
through the class and get it across to

873
00:38:17,150 --> 00:38:20,570
the kids I mean whether you dig down to

874
00:38:18,920 --> 00:38:22,338
I mean like athletes have a special

875
00:38:20,570 --> 00:38:23,480
place I dig down to to make it across

876
00:38:22,338 --> 00:38:25,099
the line how do you do that as an

877
00:38:23,480 --> 00:38:26,389
educator because it's not you you got to

878
00:38:25,099 --> 00:38:28,910
bring across the line you got to bring

879
00:38:26,389 --> 00:38:32,329
these 30 kids with you bag of tricks and

880
00:38:28,909 --> 00:38:34,489
a cup of coffee pretty much Arthur

881
00:38:32,329 --> 00:38:36,289
baggage what's in a bag of tricks of an

882
00:38:34,489 --> 00:38:37,639
educator well I mean I actually been

883
00:38:36,289 --> 00:38:39,500
thinking that casual size teachers

884

00:38:37,639 --> 00:38:41,269
should actually have a box with just

885
00:38:39,500 --> 00:38:42,769
some stuff which is pencils straws

886
00:38:41,269 --> 00:38:44,960
string and balloons and some simple

887
00:38:42,769 --> 00:38:46,369
things there's a go to box when it had

888
00:38:44,960 --> 00:38:47,809
some potassium so they could just drop

889
00:38:46,369 --> 00:38:49,460
it into know what I hate kids that you

890
00:38:47,809 --> 00:38:50,989
like that yeah it's a bit of their they

891
00:38:49,460 --> 00:38:54,740
don't let you do that anymore to devote

892
00:38:50,989 --> 00:38:57,019
what habit but the yeah the the yet you

893
00:38:54,739 --> 00:38:58,729
should have some you know hold back some

894
00:38:57,019 --> 00:39:00,320
experiments that you don't want to do

895
00:38:58,730 --> 00:39:01,820
unless it's one of those days that's

896
00:39:00,320 --> 00:39:03,740
what you do and you know what you just

897
00:39:01,820 --> 00:39:06,609
have to step up simple as that I mean if

898
00:39:03,739 --> 00:39:08,569

you're just imagine if you're a

899

00:39:06,608 --> 00:39:10,159

neurosurgeon and you're having a bad day

900

00:39:08,570 --> 00:39:11,130

whatever's going on and the last thing

901

00:39:10,159 --> 00:39:13,440

you want to be doing I mean

902

00:39:11,130 --> 00:39:15,240

yeah you know you're gonna you're gonna

903

00:39:13,440 --> 00:39:16,769

have to step up and that's a no choice

904

00:39:15,239 --> 00:39:18,389

and so there's a thing so you got class

905

00:39:16,769 --> 00:39:19,829

of 30 kids there some of them

906

00:39:18,389 --> 00:39:21,150

recalcitrant it's going to be the case

907

00:39:19,829 --> 00:39:23,099

and some are going to be loving what

908

00:39:21,150 --> 00:39:24,840

you're doing but on a tough day it is a

909

00:39:23,099 --> 00:39:26,759

tough day and you accept it and you any

910

00:39:24,840 --> 00:39:27,990

choose an experiment which it might be

911

00:39:26,760 --> 00:39:29,070

off topic for a little bit but what's

912

00:39:27,989 --> 00:39:31,169

what the hey I mean you've got five

913
00:39:29,070 --> 00:39:32,910
minutes what the harm is it going

914
00:39:31,170 --> 00:39:35,039
outside on a hot windy day and doing

915
00:39:32,909 --> 00:39:36,389
some bottle rockets water rockets

916
00:39:35,039 --> 00:39:38,519
because you know they're gonna like it

917
00:39:36,389 --> 00:39:39,359
but you know you're off topic for a

918
00:39:38,519 --> 00:39:42,030
little while but gets what they were

919
00:39:39,360 --> 00:39:44,039
listen T again and do you think it's a

920
00:39:42,030 --> 00:39:45,810
good thing to have animals in the

921
00:39:44,039 --> 00:39:48,090
classroom lot like have the the guinea

922
00:39:45,809 --> 00:39:49,980
pig will have the rat that that's in the

923
00:39:48,090 --> 00:39:51,990
classroom the kids keep or look after

924
00:39:49,980 --> 00:39:53,550
then that teaches them about life and

925
00:39:51,989 --> 00:39:54,779
about the life cycle of animals that

926
00:39:53,550 --> 00:39:56,160
everything lives and dies do you think

927
00:39:54,780 --> 00:39:57,360
that's a helpful thing or it can be a

928
00:39:56,159 --> 00:39:59,069
bit distressing when the animal

929
00:39:57,360 --> 00:40:01,200
sometimes it all right now I know

930
00:39:59,070 --> 00:40:02,700
you're going on that yeah it's I think

931
00:40:01,199 --> 00:40:04,079
that's actually a good idea i mean some

932
00:40:02,699 --> 00:40:05,639
kids actually have never seen a seed

933
00:40:04,079 --> 00:40:08,880
grow some kids have never seen a chicken

934
00:40:05,639 --> 00:40:10,500
hatch out of an egg and now having that

935
00:40:08,880 --> 00:40:11,970
around is not a bad idea as long as they

936
00:40:10,500 --> 00:40:13,679
treat you humanely and when they die

937
00:40:11,969 --> 00:40:15,029
they don't if they needed help they need

938
00:40:13,679 --> 00:40:17,309
help from a veterinary point of view

939
00:40:15,030 --> 00:40:18,480
absolutely but it is a cycle life

940
00:40:17,309 --> 00:40:22,440
they're going to be exposed to any way

941

00:40:18,480 --> 00:40:23,849
miles be exposed with a guide and one

942
00:40:22,440 --> 00:40:26,070
last question always like darkness one

943
00:40:23,849 --> 00:40:28,289
what do you reckon musically is the best

944
00:40:26,070 --> 00:40:29,730
thing to introduce kids to science is it

945
00:40:28,289 --> 00:40:31,199
i mean there might be giants had that

946
00:40:29,730 --> 00:40:34,050
great science album that everyone loves

947
00:40:31,199 --> 00:40:36,689
quoting say that here i think i think he

948
00:40:34,050 --> 00:40:37,950
comes science was the name is it yeah

949
00:40:36,690 --> 00:40:40,019
well guess what that was the one who's

950
00:40:37,949 --> 00:40:41,730
gonna go to UM nothing wrong with that

951
00:40:40,019 --> 00:40:43,320
but you know what i mean there's all the

952
00:40:41,730 --> 00:40:44,699
studies even like my little daughter was

953
00:40:43,320 --> 00:40:47,370
a premature baby and then they've had

954
00:40:44,699 --> 00:40:48,929
studies in Israel about the effect of

955
00:40:47,369 --> 00:40:50,699

growth development with Mozart or

956

00:40:48,929 --> 00:40:52,109

Beethoven one of the two playing look

957

00:40:50,699 --> 00:40:55,169

you know what anything with a melody and

958

00:40:52,110 --> 00:40:57,510

a rhythm can help mathematical ability I

959

00:40:55,170 --> 00:40:59,130

mean we will you be talking bacon there

960

00:40:57,510 --> 00:41:00,720

the work of Kevin Bacon with Footloose

961

00:40:59,130 --> 00:41:02,220

that's what you'd be talking about there

962

00:41:00,719 --> 00:41:05,519

oh I know ever gets the kid to shake the

963

00:41:02,219 --> 00:41:07,259

hips all but I'm look it's there's a

964

00:41:05,519 --> 00:41:08,460

multitude I mean from every different

965

00:41:07,260 --> 00:41:10,170

culture there be something in there

966

00:41:08,460 --> 00:41:12,360

scoop them if it stimulates the brain

967

00:41:10,170 --> 00:41:14,300

and allow them to you know increase

968

00:41:12,360 --> 00:41:16,530

their cognitive function happy days and

969

00:41:14,300 --> 00:41:18,570

lastly what's a good website that we can

970
00:41:16,530 --> 00:41:19,890
go to that's good for education good for

971
00:41:18,570 --> 00:41:21,210
learning and one that you'd recommend to

972
00:41:19,889 --> 00:41:23,190
us all absolutely I mean it's a

973
00:41:21,210 --> 00:41:24,760
shameless plug but our our company

974
00:41:23,190 --> 00:41:27,820
website physics education still

975
00:41:24,760 --> 00:41:29,800
really badly fi double Z ICS education

976
00:41:27,820 --> 00:41:31,600
comdata you physics education will

977
00:41:29,800 --> 00:41:32,980
convey you has over 100 free experiments

978
00:41:31,599 --> 00:41:34,569
you can easily do by going down to the

979
00:41:32,980 --> 00:41:36,250
local shops and pick up the materials

980
00:41:34,570 --> 00:41:38,050
for a couple of bucks it's just there

981
00:41:36,250 --> 00:41:39,519
and off you go but if you type in free

982
00:41:38,050 --> 00:41:41,530
science experiments into Google you'll

983
00:41:39,519 --> 00:41:42,519
find hundreds of websites just use your

984
00:41:41,530 --> 00:41:43,480
brain and make sure that you're not

985
00:41:42,519 --> 00:41:45,340
going to do something dangerous and

986
00:41:43,480 --> 00:41:46,800
what's your favorite household item you

987
00:41:45,340 --> 00:41:48,970
reckon is great for experimenting with

988
00:41:46,800 --> 00:41:50,110
vinegar bicarbonate soda your room

989
00:41:48,969 --> 00:41:51,399
should smell like it there's so many

990
00:41:50,110 --> 00:41:52,840
here's the things you can do you can do

991
00:41:51,400 --> 00:41:54,369
heaps of stuff you don't have to do

992
00:41:52,840 --> 00:41:58,920
high-end stuff you're missing the point

993
00:41:54,369 --> 00:41:58,920
the kitchen chemicals can do the job too

994
00:41:59,340 --> 00:42:04,090
here we are at skeptics in the pub main

995
00:42:02,409 --> 00:42:06,129
out here reporting not far from the bar

996
00:42:04,090 --> 00:42:07,780
there it is there it were only one drink

997
00:42:06,130 --> 00:42:09,610
in so far so anything could happen

998

00:42:07,780 --> 00:42:12,370
ladies and gentlemen we have a man here

999
00:42:09,610 --> 00:42:13,900
who is a guest from the a.c.t. distained

1000
00:42:12,369 --> 00:42:16,210
Capital Territory she's crossed the

1001
00:42:13,900 --> 00:42:17,500
border had a passport stamped and joined

1002
00:42:16,210 --> 00:42:20,679
us here in Sydney at the coronation

1003
00:42:17,500 --> 00:42:22,539
hotel tonight good evening hi there now

1004
00:42:20,679 --> 00:42:26,019
the big question were asking everybody

1005
00:42:22,539 --> 00:42:28,389
is what is intuition no it's not a song

1006
00:42:26,019 --> 00:42:30,429
by Stevie Wonder there is intuition I'm

1007
00:42:28,389 --> 00:42:32,799
not working down mr. nothing like that

1008
00:42:30,429 --> 00:42:34,869
and it son by jill and a song by jewel

1009
00:42:32,800 --> 00:42:37,090
as well yeah okay well there you go well

1010
00:42:34,869 --> 00:42:38,949
what do you think intuition is it was

1011
00:42:37,090 --> 00:42:41,110
funny because when we brought up the

1012
00:42:38,949 --> 00:42:43,359

question a lot of people think intuition

1013

00:42:41,110 --> 00:42:45,400

is or magical and it's were when it's

1014

00:42:43,360 --> 00:42:47,829

everything like that but I think it's

1015

00:42:45,400 --> 00:42:50,380

partly about taking on from your

1016

00:42:47,829 --> 00:42:51,549

experiences and being able to just sort

1017

00:42:50,380 --> 00:42:53,380

of

1018

00:42:51,550 --> 00:42:55,420

I don't I think there's a sense about

1019

00:42:53,380 --> 00:42:57,579

things that doesn't have to be magically

1020

00:42:55,420 --> 00:42:59,829

basis based on you know the way your

1021

00:42:57,579 --> 00:43:02,110

brain works as well as the what you

1022

00:42:59,829 --> 00:43:03,880

experience in everyday life I'd take a

1023

00:43:02,110 --> 00:43:08,349

stab at it and say it's a prediction of

1024

00:43:03,880 --> 00:43:10,840

future events based on past ones I would

1025

00:43:08,349 --> 00:43:12,789

probably agree with you a little bit but

1026

00:43:10,840 --> 00:43:14,980

we may need to have a big debate that

1027
00:43:12,789 --> 00:43:17,199
further I think we may have now look I

1028
00:43:14,980 --> 00:43:19,840
know you also work for a federal

1029
00:43:17,199 --> 00:43:22,029
Department yes I do and you're also

1030
00:43:19,840 --> 00:43:23,980
working in the sort of the law federal

1031
00:43:22,030 --> 00:43:27,430
Department yes so I'm going to ask you a

1032
00:43:23,980 --> 00:43:28,570
question about the FBI which I know

1033
00:43:27,429 --> 00:43:30,009
you've got nothing to do with the

1034
00:43:28,570 --> 00:43:32,050
Federal Bureau of Investigation okay

1035
00:43:30,010 --> 00:43:33,550
right now and this actually came up Jack

1036
00:43:32,050 --> 00:43:35,980
marks the journalists brought this up

1037
00:43:33,550 --> 00:43:38,050
with me a few weeks ago Mulder and

1038
00:43:35,980 --> 00:43:41,559
Scully right they work for the FBI

1039
00:43:38,050 --> 00:43:43,060
allegedly in the x-files how come they

1040
00:43:41,559 --> 00:43:44,920
still had their job when they never

1041
00:43:43,059 --> 00:43:46,659
actually solved anything they would get

1042
00:43:44,920 --> 00:43:49,539
to the end of every episode and go well

1043
00:43:46,659 --> 00:43:51,339
that was a bit spooky and just get case

1044
00:43:49,539 --> 00:43:53,529
closed that's if they never actually put

1045
00:43:51,340 --> 00:43:55,450
in a report where they actually solved

1046
00:43:53,530 --> 00:43:57,610
anything well that's a very good

1047
00:43:55,449 --> 00:44:00,339
question and I think I'll answer it in a

1048
00:43:57,610 --> 00:44:02,590
couple of ways one because well they're

1049
00:44:00,340 --> 00:44:05,650
not real oh you're giving me that

1050
00:44:02,590 --> 00:44:07,570
fiction thing you know you and and to

1051
00:44:05,650 --> 00:44:09,579
what fun would it be how what would

1052
00:44:07,570 --> 00:44:12,160
anyone tune in to the next week episode

1053
00:44:09,579 --> 00:44:14,170
if they solve the crime and then move on

1054
00:44:12,159 --> 00:44:16,420
but if you remember rightly and the

1055

00:44:14,170 --> 00:44:18,519
first season of x files they actually

1056
00:44:16,420 --> 00:44:20,650
started solving crimes but then they got

1057
00:44:18,519 --> 00:44:22,389
boring I know look I like the first and

1058
00:44:20,650 --> 00:44:24,400
second season because they were all

1059
00:44:22,389 --> 00:44:25,809
internally consistent and also the love

1060
00:44:24,400 --> 00:44:27,309
interest to now what have you had two

1061
00:44:25,809 --> 00:44:29,380
people going at each other like rabbits

1062
00:44:27,309 --> 00:44:30,940
like they sort of were towards the end

1063
00:44:29,380 --> 00:44:32,680
there that that wouldn't be a good thing

1064
00:44:30,940 --> 00:44:34,690
in the workplace but well okay well I

1065
00:44:32,679 --> 00:44:36,789
suspect that something would be said at

1066
00:44:34,690 --> 00:44:38,710
a managerial level it'll definitely take

1067
00:44:36,789 --> 00:44:40,239
away from the whole solving of the case

1068
00:44:38,710 --> 00:44:41,619
hey we're probably just put our finger

1069
00:44:40,239 --> 00:44:43,179

on why they didn't solve the case

1070

00:44:41,619 --> 00:44:45,579

because they're too busy with a sexual

1071

00:44:43,179 --> 00:44:48,339

tension thing coming look sexual tension

1072

00:44:45,579 --> 00:44:49,690

ruins everything and I kept them so what

1073

00:44:48,340 --> 00:44:51,250

do you think about different sorts of

1074

00:44:49,690 --> 00:44:53,090

intuition then like they talk about

1075

00:44:51,250 --> 00:44:55,579

mothers intuition

1076

00:44:53,090 --> 00:44:58,430

I think it's I think it's hokum I think

1077

00:44:55,579 --> 00:45:01,069

mother's intuition comes from the fact

1078

00:44:58,429 --> 00:45:03,379

that they are so that whole mother's

1079

00:45:01,070 --> 00:45:06,200

instinct that whole woman's intuition at

1080

00:45:03,380 --> 00:45:09,079

home mothers intuition basically is by

1081

00:45:06,199 --> 00:45:10,699

using the odd occasion where they may

1082

00:45:09,079 --> 00:45:12,319

have been something right about the fact

1083

00:45:10,699 --> 00:45:14,809

that the child's about to run into a

1084
00:45:12,320 --> 00:45:16,130
window with a 20 other times what they

1085
00:45:14,809 --> 00:45:18,469
haven't caught them in time when they

1086
00:45:16,130 --> 00:45:22,160
fell off a chair so they said hold up

1087
00:45:18,469 --> 00:45:23,989
their name the logical fallacy now as a

1088
00:45:22,159 --> 00:45:25,489
Canberra skeptic and you guys are

1089
00:45:23,989 --> 00:45:27,139
hosting the big skeptics conference

1090
00:45:25,489 --> 00:45:29,569
later in the year what do you make of

1091
00:45:27,139 --> 00:45:31,819
our sydney gathering here tonight this

1092
00:45:29,570 --> 00:45:35,059
is my first sydney gathering and it's

1093
00:45:31,820 --> 00:45:36,740
very it's very good actually um a lot of

1094
00:45:35,059 --> 00:45:39,440
people who I'm just a meeting for the

1095
00:45:36,739 --> 00:45:41,509
first time who I've spoken to online so

1096
00:45:39,440 --> 00:45:43,909
but i really enjoy the dynamic

1097
00:45:41,510 --> 00:45:46,340
environment how many times a we chatted

1098
00:45:43,909 --> 00:45:48,199
on fetlife so many times now yes we have

1099
00:45:46,340 --> 00:45:50,930
and it feels like I already know you I

1100
00:45:48,199 --> 00:45:52,789
know it's like that yeah but I think

1101
00:45:50,929 --> 00:45:55,279
with the great thing about the skeptical

1102
00:45:52,789 --> 00:45:57,019
movement is that people it's like a

1103
00:45:55,280 --> 00:45:59,630
community in a way people come together

1104
00:45:57,019 --> 00:46:01,250
from all sort of the country in all

1105
00:45:59,630 --> 00:46:03,530
areas of the world and you can not ever

1106
00:46:01,250 --> 00:46:05,690
see them and not even meet them but the

1107
00:46:03,530 --> 00:46:08,660
fact that we all we're all sharing ideas

1108
00:46:05,690 --> 00:46:11,030
and we're all sharing the one you know

1109
00:46:08,659 --> 00:46:13,489
the one common goal is to you know seek

1110
00:46:11,030 --> 00:46:16,100
the evidence seek the truth and sort of

1111
00:46:13,489 --> 00:46:18,049
enlightened hate to use that word is a

1112

00:46:16,099 --> 00:46:20,389
buzzword but it sort of brings everyone

1113
00:46:18,050 --> 00:46:21,800
together so we all have that sort of

1114
00:46:20,389 --> 00:46:23,750
thing where we can understand where

1115
00:46:21,800 --> 00:46:26,630
we're coming from which so I'm really

1116
00:46:23,750 --> 00:46:28,130
enjoying the evening well we're here in

1117
00:46:26,630 --> 00:46:29,539
one of the busier corners and I will

1118
00:46:28,130 --> 00:46:31,910
have to apologize about the background

1119
00:46:29,539 --> 00:46:32,809
noise because everyone's eye I think

1120
00:46:31,909 --> 00:46:34,250
they're doing a scene from The Hobbit

1121
00:46:32,809 --> 00:46:36,739
behind us it's fantastic it's like a

1122
00:46:34,250 --> 00:46:38,869
radio play now you're over here in the

1123
00:46:36,739 --> 00:46:43,000
controversial corner in the bohemian

1124
00:46:38,869 --> 00:46:43,000
corner what is intuition son

1125
00:46:43,030 --> 00:46:49,820
pattern recognition essentially you've

1126
00:46:47,000 --> 00:46:52,039

seen it all before so when you see

1127

00:46:49,820 --> 00:46:53,269

something that looks kind of like it you

1128

00:46:52,039 --> 00:46:55,519

associate it with something you've

1129

00:46:53,269 --> 00:46:56,840

already experienced so why can't older

1130

00:46:55,519 --> 00:46:59,780

people pick up better than younger

1131

00:46:56,840 --> 00:47:01,309

people Alzheimer's I don't think that

1132

00:46:59,780 --> 00:47:04,250

your answer this if you've got a bit of

1133

00:47:01,309 --> 00:47:07,219

an idea what intuition is and I don't

1134

00:47:04,250 --> 00:47:10,030

know there's stuff about we actually

1135

00:47:07,219 --> 00:47:12,679

have more neural tissue in our gut then

1136

00:47:10,030 --> 00:47:14,390

many species have in their brains so it

1137

00:47:12,679 --> 00:47:17,480

could be something i gut brain speaking

1138

00:47:14,389 --> 00:47:19,069

to our head brain okay that doesn't

1139

00:47:17,480 --> 00:47:20,780

smell funny that smells funny so I'm not

1140

00:47:19,070 --> 00:47:23,930

gonna have anything of it okay that's

1141
00:47:20,780 --> 00:47:26,120
not not a bad idea that I know jet know

1142
00:47:23,929 --> 00:47:27,139
Jessica's still eating something I want

1143
00:47:26,119 --> 00:47:29,230
to get over there in the corner you got

1144
00:47:27,139 --> 00:47:31,759
any intuition going on there Oh

1145
00:47:29,230 --> 00:47:35,929
intuition no intuitions just sort of

1146
00:47:31,760 --> 00:47:39,560
experience and training there we go yeah

1147
00:47:35,929 --> 00:47:43,639
you and your smarty our series that's

1148
00:47:39,559 --> 00:47:45,019
right now now look you might have heard

1149
00:47:43,639 --> 00:47:46,460
some loud people in the background of

1150
00:47:45,019 --> 00:47:48,079
the last interviewer lives these guys

1151
00:47:46,460 --> 00:47:49,670
here going off for you what what's seen

1152
00:47:48,079 --> 00:47:53,989
were you re creating from which Peter

1153
00:47:49,670 --> 00:47:55,700
Jackson film I was thinking it might

1154
00:47:53,989 --> 00:47:57,500
have been King Kong for a moment the

1155
00:47:55,699 --> 00:47:59,569
scene with don't tell me about no no

1156
00:47:57,500 --> 00:48:01,820
obviously but I'm a fan of the 80s

1157
00:47:59,570 --> 00:48:02,750
Jessica Jessica Lange version or

1158
00:48:01,820 --> 00:48:05,420
whatever is the one that was in the a

1159
00:48:02,750 --> 00:48:08,599
the 80s king corn one I much prefer the

1160
00:48:05,420 --> 00:48:10,250
original Oh fair enough n okay well

1161
00:48:08,599 --> 00:48:11,900
before we figured out what exactly did

1162
00:48:10,250 --> 00:48:14,869
kill the Beast and I suspect it was

1163
00:48:11,900 --> 00:48:16,639
alcohol what do you think is intuition

1164
00:48:14,869 --> 00:48:18,319
me what do you think it is it's mostly

1165
00:48:16,639 --> 00:48:20,949
okay well what you reckon

1166
00:48:18,320 --> 00:48:23,180
people make it up after the fact well

1167
00:48:20,949 --> 00:48:24,739
guess that cut that classic thing it's

1168
00:48:23,179 --> 00:48:26,719
intuition if it comes right up a sort of

1169

00:48:24,739 --> 00:48:28,919
us get it was a guess hmm and it'll

1170
00:48:26,719 --> 00:48:30,719
wasn't it's a yet yeah

1171
00:48:28,920 --> 00:48:32,340
so that's that's a pretty to the point

1172
00:48:30,719 --> 00:48:34,529
answer that one what do you think you

1173
00:48:32,340 --> 00:48:36,269
agree with our esteemed colleague here

1174
00:48:34,530 --> 00:48:37,920
really depends on what you're calling

1175
00:48:36,269 --> 00:48:39,659
intuition if it's some sort of psychic

1176
00:48:37,920 --> 00:48:41,369
ability then no but if it's if you're

1177
00:48:39,659 --> 00:48:42,899
picking up on subconscious cues and

1178
00:48:41,369 --> 00:48:44,730
you're not aware of it then you might be

1179
00:48:42,900 --> 00:48:47,220
putting a picture together which might

1180
00:48:44,730 --> 00:48:48,780
turn out to be right I'm sort of

1181
00:48:47,219 --> 00:48:51,409
thinking it's something you think's

1182
00:48:48,780 --> 00:48:54,210
going to happen based on past experience

1183
00:48:51,409 --> 00:48:55,319

is that you know someone's going to

1184

00:48:54,210 --> 00:48:56,970

cheat your they'll probably do it again

1185

00:48:55,320 --> 00:48:59,039

it's like intuition or just common sense

1186

00:48:56,969 --> 00:49:02,209

that's why now is that such a thing as

1187

00:48:59,039 --> 00:49:04,409

mother's intuition women's intuition

1188

00:49:02,210 --> 00:49:05,880

again you can tell you to find it if

1189

00:49:04,409 --> 00:49:08,420

it's you know some special psychic

1190

00:49:05,880 --> 00:49:10,860

ability then no but you never hear about

1191

00:49:08,420 --> 00:49:12,990

transsexual intuition doing it that is

1192

00:49:10,860 --> 00:49:15,059

never mentioned and I think that's my

1193

00:49:12,989 --> 00:49:16,529

fast yeah I guess how much speaking the

1194

00:49:15,059 --> 00:49:17,849

right people but I reckon that's just

1195

00:49:16,530 --> 00:49:19,590

that's just some sort of prejudice going

1196

00:49:17,849 --> 00:49:21,839

on now society let's go check that I

1197

00:49:19,590 --> 00:49:24,329

want to see transsexual intuition well

1198
00:49:21,840 --> 00:49:26,730
there is Gator yeah there is data but

1199
00:49:24,329 --> 00:49:30,779
listen if it's a question for another

1200
00:49:26,730 --> 00:49:31,980
show look I'm at the table nearest the

1201
00:49:30,780 --> 00:49:33,510
bar so of course you're going to find

1202
00:49:31,980 --> 00:49:35,940
the usual suspects they how you this

1203
00:49:33,510 --> 00:49:38,190
evening sir I'm all right thank you now

1204
00:49:35,940 --> 00:49:39,599
have you had any intuition experiences

1205
00:49:38,190 --> 00:49:41,909
lately and if you actually could you

1206
00:49:39,599 --> 00:49:43,759
give us what you think intuition is I

1207
00:49:41,909 --> 00:49:47,059
can't say I've had any intuition

1208
00:49:43,760 --> 00:49:50,310
experiences but I understand the

1209
00:49:47,059 --> 00:49:52,469
intuition is your brain working on the

1210
00:49:50,309 --> 00:49:55,349
subconscious level with information that

1211
00:49:52,469 --> 00:49:58,859
it has and it has obtained through the

1212
00:49:55,349 --> 00:50:01,000
senses and I've had it said that if you

1213
00:49:58,860 --> 00:50:04,120
rely on your intuition

1214
00:50:01,000 --> 00:50:07,329
it's more reliable than what you well

1215
00:50:04,119 --> 00:50:09,819
some people think isn't it exciting to

1216
00:50:07,329 --> 00:50:12,340
be relying on it's the brain still

1217
00:50:09,820 --> 00:50:14,700
working in a normal way but below that

1218
00:50:12,340 --> 00:50:19,210
conscious and I've had people say that

1219
00:50:14,699 --> 00:50:22,599
if you try to don't deny the intuition

1220
00:50:19,210 --> 00:50:24,369
and sort of make reasoned decisions

1221
00:50:22,599 --> 00:50:26,679
which as a skeptic I would have thought

1222
00:50:24,369 --> 00:50:28,659
it was the case they've done experiments

1223
00:50:26,679 --> 00:50:31,000
and you've actually touched some in some

1224
00:50:28,659 --> 00:50:32,679
cases it's turned out worse than if

1225
00:50:31,000 --> 00:50:34,929
people are fired their intuition they've

1226

00:50:32,679 --> 00:50:36,730
made the correct decision but I there's

1227
00:50:34,929 --> 00:50:38,309
nothing supernatural or spooky about it

1228
00:50:36,730 --> 00:50:41,860
and what I understand it's the brain

1229
00:50:38,309 --> 00:50:44,170
actually crunching the information that

1230
00:50:41,860 --> 00:50:46,150
it's absorbed over time but I don't know

1231
00:50:44,170 --> 00:50:47,860
I could be wrong that's only good

1232
00:50:46,150 --> 00:50:49,630
working definition for me and what about

1233
00:50:47,860 --> 00:50:51,039
you sir you're smiling you're laughing

1234
00:50:49,630 --> 00:50:52,300
are you disagreeing with him as their

1235
00:50:51,039 --> 00:50:54,039
some sort we've got an intellectual

1236
00:50:52,300 --> 00:50:57,760
impasse going on here what do you think

1237
00:50:54,039 --> 00:51:00,400
intuition is mr. green shirt I think

1238
00:50:57,760 --> 00:51:02,800
John is right that there is unconscious

1239
00:51:00,400 --> 00:51:04,030
processing going on but I think you have

1240
00:51:02,800 --> 00:51:06,190

to be really careful there's a lot of

1241

00:51:04,030 --> 00:51:08,310
voices getting going for attention in

1242

00:51:06,190 --> 00:51:10,480
your mind lots of different thoughts and

1243

00:51:08,309 --> 00:51:12,250
instead of tuning into some very

1244

00:51:10,480 --> 00:51:14,139
sophisticated unconscious reasoning you

1245

00:51:12,250 --> 00:51:15,969
could just be going into the last

1246

00:51:14,139 --> 00:51:17,889
suggestion somebody gave you or

1247

00:51:15,969 --> 00:51:19,779
something you read on the newspaper or

1248

00:51:17,889 --> 00:51:22,089
just you know just listen to your gut as

1249

00:51:19,780 --> 00:51:23,980
the Republicans would have it or Stephen

1250

00:51:22,090 --> 00:51:25,390
Colbert would have it doesn't always

1251

00:51:23,980 --> 00:51:27,409
give you the right answer so you gotta

1252

00:51:25,389 --> 00:51:29,420
be careful you're not misled

1253

00:51:27,409 --> 00:51:31,279
and so did you think that that

1254

00:51:29,420 --> 00:51:33,950
effectively is what intuition is but you

1255
00:51:31,280 --> 00:51:35,480
might just see the wrong thing so I

1256
00:51:33,949 --> 00:51:37,429
think they're unconscious reasoning is

1257
00:51:35,480 --> 00:51:39,280
that isn't I think that's real intuition

1258
00:51:37,429 --> 00:51:41,480
but I think you can be fooled by

1259
00:51:39,280 --> 00:51:43,130
suggestions given to earlier so you've

1260
00:51:41,480 --> 00:51:44,750
got a it's a skill i think an hour

1261
00:51:43,130 --> 00:51:47,358
together listen to the right course in

1262
00:51:44,750 --> 00:51:49,460
your head hello i think it ever listen

1263
00:51:47,358 --> 00:51:51,288
to the voice of peter hi peter how I and

1264
00:51:49,460 --> 00:51:52,460
first of all how is your help like a lot

1265
00:51:51,289 --> 00:51:54,049
of skeptics have been wondering how you

1266
00:51:52,460 --> 00:51:56,510
helps being you leave well I have still

1267
00:51:54,048 --> 00:51:59,329
held his fine i still have a very sore

1268
00:51:56,510 --> 00:52:02,059
ankle which I broke last year at Skippy

1269
00:51:59,329 --> 00:52:04,309
camp I know now that I should stay away

1270
00:52:02,059 --> 00:52:07,069
from things because I hurt my foot it's

1271
00:52:04,309 --> 00:52:08,750
ham I hurt my foot at skip the camp I

1272
00:52:07,068 --> 00:52:10,369
hurt my foot of the atheist conference

1273
00:52:08,750 --> 00:52:11,750
and I fell over and hurt myself and

1274
00:52:10,369 --> 00:52:14,450
couldn't March and I Mardi Gras so I

1275
00:52:11,750 --> 00:52:15,920
figured that God is telling me a message

1276
00:52:14,449 --> 00:52:17,838
to stay away from these heathens and

1277
00:52:15,920 --> 00:52:19,068
opiates and people like that and we

1278
00:52:17,838 --> 00:52:21,920
might even let you know what happened to

1279
00:52:19,068 --> 00:52:23,630
him when he went to Sexpo well that's a

1280
00:52:21,920 --> 00:52:25,818
different story altogether so well maybe

1281
00:52:23,630 --> 00:52:27,619
some intuition might help you here what

1282
00:52:25,818 --> 00:52:29,829
do you think intuition is mr. break my

1283

00:52:27,619 --> 00:52:32,510
foot every time I walk out the door I

1284
00:52:29,829 --> 00:52:35,180
think I think it's basically what John

1285
00:52:32,510 --> 00:52:38,420
was saying it's um it's an unconscious

1286
00:52:35,179 --> 00:52:41,750
assessment of things that you know and

1287
00:52:38,420 --> 00:52:44,690
experience and background on Tokyo you

1288
00:52:41,750 --> 00:52:46,338
think that you just basically guessing

1289
00:52:44,690 --> 00:52:47,480
at things i think and most people

1290
00:52:46,338 --> 00:52:51,588
actually using some kind of evidence

1291
00:52:47,480 --> 00:52:53,358
they've gathered over time but also it's

1292
00:52:51,588 --> 00:52:54,949
correct if you you can be influenced by

1293
00:52:53,358 --> 00:52:56,420
what people are telling you what your

1294
00:52:54,949 --> 00:52:59,000
bird where you are the circumstances

1295
00:52:56,420 --> 00:53:01,278
around you I don't think that it's an

1296
00:52:59,000 --> 00:53:02,989
invalid thing but I just you just

1297
00:53:01,278 --> 00:53:05,119

shouldn't rely on it all the time of

1298

00:53:02,989 --> 00:53:07,189

saying cheap it feels right like I used

1299

00:53:05,119 --> 00:53:09,079

to nice to feel a gambler on the horse

1300

00:53:07,190 --> 00:53:10,970

of definitely wasn't successful at it

1301

00:53:09,079 --> 00:53:12,680

but I can guarantee you I never simply

1302

00:53:10,969 --> 00:53:13,759

said cheer I think that courses gotta

1303

00:53:12,679 --> 00:53:15,769

win cuz i wont nicole other jockeys

1304

00:53:13,760 --> 00:53:17,930

until it was a matter of sitting down

1305

00:53:15,769 --> 00:53:20,778

and working out like at where they'd run

1306

00:53:17,929 --> 00:53:22,669

before what the form wasn't so for me it

1307

00:53:20,778 --> 00:53:24,048

was no intuition at all the intuition

1308

00:53:22,670 --> 00:53:25,220

were the people who were throwing the

1309

00:53:24,048 --> 00:53:26,509

money at the bookmakers and paying to

1310

00:53:25,219 --> 00:53:28,129

the be pleased

1311

00:53:26,510 --> 00:53:30,530

and the very small numbers that we're

1312
00:53:28,130 --> 00:53:32,930
making money but we might have one

1313
00:53:30,530 --> 00:53:34,100
intuitive event on a satellite that at

1314
00:53:32,929 --> 00:53:36,129
the end of the day we had a couple of

1315
00:53:34,099 --> 00:53:39,889
bucks left in your pocket and you say i

1316
00:53:36,130 --> 00:53:42,260
but i think it's it's a sort of it

1317
00:53:39,889 --> 00:53:44,659
support of guesswork but in most cases i

1318
00:53:42,260 --> 00:53:47,270
think it's informed by your experience

1319
00:53:44,659 --> 00:53:49,339
your knowledge and i'll also what's

1320
00:53:47,269 --> 00:53:50,659
going on around you at the time while

1321
00:53:49,340 --> 00:53:52,700
I've got to hear Peter to we should give

1322
00:53:50,659 --> 00:53:54,469
a big plug to a channel that most people

1323
00:53:52,699 --> 00:53:56,599
have got Fox still don't even look at

1324
00:53:54,469 --> 00:53:58,519
usually and that's the public access

1325
00:53:56,599 --> 00:54:00,500
channel that's on there because art one

1326
00:53:58,519 --> 00:54:03,170
day I saw you on there I saw you giving

1327
00:54:00,500 --> 00:54:06,380
a talk to the Canberra skeptics and and

1328
00:54:03,170 --> 00:54:07,700
I didn't know what was going on and they

1329
00:54:06,380 --> 00:54:09,410
have stuff like that on there all the

1330
00:54:07,699 --> 00:54:12,049
time what was that Chung channel and

1331
00:54:09,409 --> 00:54:13,879
what were you doing on Fox top I have

1332
00:54:12,050 --> 00:54:15,830
actually never seen that the peppery now

1333
00:54:13,880 --> 00:54:18,050
and then hilton the email saying i just

1334
00:54:15,829 --> 00:54:19,489
saw you on television in fact i got an

1335
00:54:18,050 --> 00:54:22,160
email this week the person who was in

1336
00:54:19,489 --> 00:54:24,739
primary school with my brother way back

1337
00:54:22,159 --> 00:54:28,190
in the dark ages who said i saw you on

1338
00:54:24,739 --> 00:54:30,379
television it was a talk on the coming

1339
00:54:28,190 --> 00:54:32,450
apocalypse it was the final ever last

1340

00:54:30,380 --> 00:54:33,890
ever talk of canvas skeptics to be given

1341
00:54:32,449 --> 00:54:35,480
before the end of the world on december

1342
00:54:33,889 --> 00:54:37,099
21st life and I'm just remembering that

1343
00:54:35,480 --> 00:54:39,170
it's the apac channel it's the

1344
00:54:37,099 --> 00:54:40,460
Australian public affairs channel that's

1345
00:54:39,170 --> 00:54:42,440
what it's called a pact channel and

1346
00:54:40,460 --> 00:54:44,179
usually it's some think tank from the

1347
00:54:42,440 --> 00:54:45,470
menzies Institute or something but

1348
00:54:44,179 --> 00:54:47,059
occasionally you gets you get some

1349
00:54:45,469 --> 00:54:49,879
conspiracy people on there it can go

1350
00:54:47,059 --> 00:54:51,949
nutty it's great so I always get told

1351
00:54:49,880 --> 00:54:54,200
about it afterwards just on and people

1352
00:54:51,949 --> 00:54:56,239
say we just saw you on television so

1353
00:54:54,199 --> 00:54:58,159
good to you please actually ring me when

1354
00:54:56,239 --> 00:55:01,369

I up here and let me know so I can rush

1355

00:54:58,159 --> 00:55:02,960

to the TV Alexi one yes it was some they

1356

00:55:01,369 --> 00:55:05,509

filmed but basically a talk I gave to

1357

00:55:02,960 --> 00:55:06,679

about the coming apocalypse and what was

1358

00:55:05,510 --> 00:55:09,680

going to happen and not happen on

1359

00:55:06,679 --> 00:55:12,019

dissemble the 21st and and did you have

1360

00:55:09,679 --> 00:55:13,609

a big Yin Yin Yin Yin year fest when it

1361

00:55:12,019 --> 00:55:17,269

didn't happen and who did you near near

1362

00:55:13,610 --> 00:55:19,370

near near too we actually had actually

1363

00:55:17,269 --> 00:55:21,440

was I was that night with Western Sydney

1364

00:55:19,369 --> 00:55:23,329

freethinkers we had a night out we had

1365

00:55:21,440 --> 00:55:24,409

to wait till the exact time but happen

1366

00:55:23,329 --> 00:55:25,549

which I think was 11 minutes past

1367

00:55:24,409 --> 00:55:28,279

sometime in the night

1368

00:55:25,550 --> 00:55:30,320

and we all raise the glass to the end of

1369
00:55:28,280 --> 00:55:32,810
the world and that because we all

1370
00:55:30,320 --> 00:55:34,640
survived but we were a little bit

1371
00:55:32,809 --> 00:55:36,639
fearful about it now it was a bit of

1372
00:55:34,639 --> 00:55:39,619
intuition they're saying maybe it might

1373
00:55:36,639 --> 00:55:41,449
maybe it's right to know but this what

1374
00:55:39,619 --> 00:55:43,400
happens with every skeptic thing it's

1375
00:55:41,449 --> 00:55:45,199
just that little fraction of a percent

1376
00:55:43,400 --> 00:55:47,210
that the aliens are going to land on the

1377
00:55:45,199 --> 00:55:48,469
White House lawn or that no some

1378
00:55:47,210 --> 00:55:50,090
astrology thing is going to be proven

1379
00:55:48,469 --> 00:55:51,469
true and then you're going to have to

1380
00:55:50,090 --> 00:55:54,050
walk with your pants down around your

1381
00:55:51,469 --> 00:55:57,889
ankle down pitt street for a bit yes

1382
00:55:54,050 --> 00:56:02,390
that's awesome I try not to make bets

1383
00:55:57,889 --> 00:56:04,039
like that so make him constantly but yes

1384
00:56:02,389 --> 00:56:05,809
you're right actually looks like it's

1385
00:56:04,039 --> 00:56:07,670
richard said earlier I would love to see

1386
00:56:05,809 --> 00:56:09,440
some of this paranormal stuff Gibson

1387
00:56:07,670 --> 00:56:11,630
what how would you feel if an alien

1388
00:56:09,440 --> 00:56:14,170
landed in your backyard I said I'd feel

1389
00:56:11,630 --> 00:56:16,579
terrific and I start selling tickets but

1390
00:56:14,170 --> 00:56:18,559
it's dial up in the blue mountains will

1391
00:56:16,579 --> 00:56:21,110
be a full of strange animals and

1392
00:56:18,559 --> 00:56:22,909
Panthers and things if I find a pant on

1393
00:56:21,110 --> 00:56:24,710
the blue mountains I'm gonna think it's

1394
00:56:22,909 --> 00:56:27,199
terrific I'm not going to think it's

1395
00:56:24,710 --> 00:56:28,519
hasn't destroyed my view of life we

1396
00:56:27,199 --> 00:56:32,059
found something that we didn't know

1397

00:56:28,519 --> 00:56:33,949
before I'm not too sure about aliens

1398
00:56:32,059 --> 00:56:37,190
landing and I'm not too sure about

1399
00:56:33,949 --> 00:56:39,559
astrology but improved true but yeah if

1400
00:56:37,190 --> 00:56:40,940
it happens they have included now look I

1401
00:56:39,559 --> 00:56:43,250
know Richard will probably cut this out

1402
00:56:40,940 --> 00:56:45,409
but here I go because I know that okay

1403
00:56:43,250 --> 00:56:47,420
the alien hypothesis is just one I would

1404
00:56:45,409 --> 00:56:49,639
go for the ultra terrestrials which has

1405
00:56:47,420 --> 00:56:51,320
been they've been here all the time they

1406
00:56:49,639 --> 00:56:53,089
just don't want to be seen from time to

1407
00:56:51,320 --> 00:56:54,950
time there's also the time traveler

1408
00:56:53,090 --> 00:56:56,690
hypothesis and there's also the other

1409
00:56:54,949 --> 00:56:58,219
dimension hypothesis Lee I think

1410
00:56:56,690 --> 00:57:01,280
thinking of just extraterrestrials

1411
00:56:58,219 --> 00:57:02,689

narrow is its narrow thinking but i

1412

00:57:01,280 --> 00:57:04,670
think it is i'm a time travel is far

1413

00:57:02,690 --> 00:57:06,019
more likely or they're going to come out

1414

00:57:04,670 --> 00:57:07,490
of the underground bases with live under

1415

00:57:06,019 --> 00:57:08,358
blue mountain for a loop but they're

1416

00:57:07,489 --> 00:57:12,858
there now

1417

00:57:08,358 --> 00:57:14,420
they're just way tickets it was decent

1418

00:57:12,858 --> 00:57:16,248
bushfire coming through what are they

1419

00:57:14,420 --> 00:57:19,579
waiting for I think the least of which

1420

00:57:16,248 --> 00:57:22,368
works like the the start of the war of

1421

00:57:19,579 --> 00:57:25,220
the worlds by HD works oh yes but they

1422

00:57:22,369 --> 00:57:26,778
were watching you're waiting you're

1423

00:57:25,219 --> 00:57:29,449
waiting for the right time to come

1424

00:57:26,778 --> 00:57:30,619
nicely okay well while they're doing

1425

00:57:29,449 --> 00:57:32,778
that we might as well have a drink Pete

1426
00:57:30,619 --> 00:57:36,170
okay sounds like an excellent idea thank

1427
00:57:32,778 --> 00:57:38,358
you no no i'm here with Iran now Iran is

1428
00:57:36,170 --> 00:57:39,889
a man who's very mysterious here is

1429
00:57:38,358 --> 00:57:41,480
actually working secretly with the moss

1430
00:57:39,889 --> 00:57:42,828
said I believe because I reckon you'd be

1431
00:57:41,480 --> 00:57:45,650
the perfect plant could be the perfect

1432
00:57:42,829 --> 00:57:47,420
sleeper Mossad's cell by I'm sorry I

1433
00:57:45,650 --> 00:57:49,700
can't talk about it Vic told you I was

1434
00:57:47,420 --> 00:57:53,409
right now okay but what about intuition

1435
00:57:49,699 --> 00:57:55,669
Iran what do you think intuition is

1436
00:57:53,409 --> 00:57:59,480
first of all we have to assume that it

1437
00:57:55,670 --> 00:58:02,930
exists but but I think some people do

1438
00:57:59,480 --> 00:58:06,199
have a level of perception a higher

1439
00:58:02,929 --> 00:58:08,899
level of perception about things that

1440
00:58:06,199 --> 00:58:10,909
could happen to people so I don't think

1441
00:58:08,900 --> 00:58:14,269
I don't think it Jason really works when

1442
00:58:10,909 --> 00:58:16,009
it comes to coming up with ideas about

1443
00:58:14,268 --> 00:58:17,298
what might happen in nature or things

1444
00:58:16,009 --> 00:58:19,210
like that i think the ocean is more

1445
00:58:17,298 --> 00:58:22,130
about things that might happen to people

1446
00:58:19,210 --> 00:58:23,929
so i think what for example parents very

1447
00:58:22,130 --> 00:58:26,568
often having the duration about their

1448
00:58:23,929 --> 00:58:27,949
kids but it comes from familiarity you

1449
00:58:26,568 --> 00:58:31,969
know what your kids will do in certain

1450
00:58:27,949 --> 00:58:33,048
situations so I i knew i knew that we're

1451
00:58:31,969 --> 00:58:34,038
going to do it of course you know you're

1452
00:58:33,048 --> 00:58:36,920
going to do you've seen them in that

1453
00:58:34,039 --> 00:58:39,799
situation a thousand times before so you

1454

00:58:36,920 --> 00:58:41,119
think it is just merely a future and

1455
00:58:39,798 --> 00:58:42,798
extrapolation of what will happen in the

1456
00:58:41,119 --> 00:58:46,190
future based purely on what you remember

1457
00:58:42,798 --> 00:58:49,338
from the past is that all i think it

1458
00:58:46,190 --> 00:58:51,079
probably is but there's a you develop a

1459
00:58:49,338 --> 00:58:53,480
certain level of heuristics you don't

1460
00:58:51,079 --> 00:58:55,160
you don't think about it's too deep you

1461
00:58:53,480 --> 00:58:56,929
don't think about most things too deeply

1462
00:58:55,159 --> 00:58:58,098
you just come up with an idea you have

1463
00:58:56,929 --> 00:59:00,858
to make decisions very quickly there's

1464
00:58:58,099 --> 00:59:02,690
actually a book by daniel kahneman up to

1465
00:59:00,858 --> 00:59:04,429
the talks about fast thinking and slow

1466
00:59:02,690 --> 00:59:06,108
thinking and and this is the fast

1467
00:59:04,429 --> 00:59:08,609
thinking part where your brain doesn't

1468
00:59:06,108 --> 00:59:10,529

make unconscious

1469

00:59:08,610 --> 00:59:12,420
sub conscious decisions based on

1470

00:59:10,530 --> 00:59:13,680
heuristics and it's not with the folio

1471

00:59:12,420 --> 00:59:14,970
with full amount information and

1472

00:59:13,679 --> 00:59:16,739
definitely without being conscious of

1473

00:59:14,969 --> 00:59:18,809
all the information you just make those

1474

00:59:16,739 --> 00:59:23,309
decisions and that's what basically in

1475

00:59:18,809 --> 00:59:26,820
my opinion intuition is now I i I'd love

1476

00:59:23,309 --> 00:59:29,400
to quote Richard Feynman we should find

1477

00:59:26,820 --> 00:59:31,860
when once he talked about what he was

1478

00:59:29,400 --> 00:59:34,289
asked why quantum mechanics is so

1479

00:59:31,860 --> 00:59:36,360
counterintuitive so there is either

1480

00:59:34,289 --> 00:59:37,710
intuition coming in and now he also had

1481

00:59:36,360 --> 00:59:39,570
the great quote that if you say you

1482

00:59:37,710 --> 00:59:41,880
understand quantum mechanics you don't

1483
00:59:39,570 --> 00:59:43,920
really do not add quantum mechanics I'm

1484
00:59:41,880 --> 00:59:45,840
solutely csy is quantum mechanics so

1485
00:59:43,920 --> 00:59:47,280
counterintuitive it's not just an

1486
00:59:45,840 --> 00:59:49,200
intuitive it's countering to you it

1487
00:59:47,280 --> 00:59:50,490
works against everything we know I can

1488
00:59:49,199 --> 00:59:51,989
answer that because obviously we are

1489
00:59:50,489 --> 00:59:54,329
living in some sort of simulation

1490
00:59:51,989 --> 00:59:55,949
designed by and other people from

1491
00:59:54,329 --> 00:59:57,929
another realm and what we perceive is

1492
00:59:55,949 --> 00:59:59,609
being normal stuff is normal stuff but

1493
00:59:57,929 --> 01:00:01,440
the actual quantum is what is powering

1494
00:59:59,610 --> 01:00:02,970
the game the hologram the reality in

1495
01:00:01,440 --> 01:00:04,950
which we live you forgot to mention that

1496
01:00:02,969 --> 01:00:10,019
those who designed the game they're also

1497
01:00:04,949 --> 01:00:11,759
in a simulation but anyway it's it's

1498
01:00:10,019 --> 01:00:13,949
Turtles all the way down but there's a

1499
01:00:11,760 --> 01:00:15,300
great movie called room 13 or level 13

1500
01:00:13,949 --> 01:00:17,759
or something check that movie out but

1501
01:00:15,300 --> 01:00:19,890
continue on yeah so what Richard Feynman

1502
01:00:17,760 --> 01:00:21,630
said was the reason it's so country

1503
01:00:19,889 --> 01:00:23,969
intuitive has got nothing to do with the

1504
01:00:21,630 --> 01:00:26,970
quantum mechanics studio with us we

1505
01:00:23,969 --> 01:00:30,509
evolved intuition we're into intuition

1506
01:00:26,969 --> 01:00:32,519
was developed through evolution by us

1507
01:00:30,510 --> 01:00:35,610
learning to understand that the rustle

1508
01:00:32,519 --> 01:00:38,130
of the leaves is either wind or an

1509
01:00:35,610 --> 01:00:39,890
animal behind them or you know stuff

1510
01:00:38,130 --> 01:00:43,200
like that you know we we live we learn

1511

01:00:39,889 --> 01:00:46,379
we evolved intuition in the macro world

1512
01:00:43,199 --> 01:00:48,359
that we live in if we had evolved in a

1513
01:00:46,380 --> 01:00:50,039
size that allows to see what happens at

1514
01:00:48,360 --> 01:00:51,930
a quantum level we would be intuitive

1515
01:00:50,039 --> 01:00:53,699
about that level but we don't see that

1516
01:00:51,929 --> 01:00:56,099
we don't need to be intuitive about that

1517
01:00:53,699 --> 01:00:57,349
so intuition is those rules of thumb

1518
01:00:56,099 --> 01:01:00,000
that have developed in us through

1519
01:00:57,349 --> 01:01:01,769
evolution and experience and personal

1520
01:01:00,000 --> 01:01:04,320
experience to simply make decisions very

1521
01:01:01,769 --> 01:01:06,809
very quickly it is there something from

1522
01:01:04,320 --> 01:01:08,548
intuition that you know you won't do or

1523
01:01:06,809 --> 01:01:11,248
get involved in and

1524
01:01:08,548 --> 01:01:13,559
i'm looking to come in from me drinking

1525
01:01:11,248 --> 01:01:15,149

lamb booshka that is something that from

1526

01:01:13,559 --> 01:01:17,670
intuition in the past I know that

1527

01:01:15,150 --> 01:01:21,449
drinking lambrusco can often not end

1528

01:01:17,670 --> 01:01:22,769
well talk about my time of their mouth

1529

01:01:21,449 --> 01:01:24,599
side because you know what will happen

1530

01:01:22,768 --> 01:01:26,669
if I do that that's true yeah we're good

1531

01:01:24,599 --> 01:01:28,079
also there's a certain time I don't know

1532

01:01:26,670 --> 01:01:29,699
maybe when you're on the circuit when

1533

01:01:28,079 --> 01:01:31,109
you were dating around cuz you're damn

1534

01:01:29,699 --> 01:01:33,209
good-looking man when you are dating

1535

01:01:31,108 --> 01:01:35,098
there's a kind of person you know from

1536

01:01:33,208 --> 01:01:36,659
one look not to talk to or even get

1537

01:01:35,099 --> 01:01:38,519
involved with even though they may seem

1538

01:01:36,659 --> 01:01:39,719
very attractive and quite attractive

1539

01:01:38,518 --> 01:01:41,669
there's just something about them you

1540
01:01:39,719 --> 01:01:42,929
know you shouldn't get involved with do

1541
01:01:41,670 --> 01:01:46,170
you remember that day when you were

1542
01:01:42,929 --> 01:01:50,548
dating back in the day no it's too long

1543
01:01:46,170 --> 01:01:52,289
ago I've got the the youngest member

1544
01:01:50,548 --> 01:01:55,048
here at the inner dinner section what's

1545
01:01:52,289 --> 01:01:57,299
your name Rebecca and how are you I'm 12

1546
01:01:55,048 --> 01:01:59,248
okay now in your 12 years on this planet

1547
01:01:57,298 --> 01:02:00,719
what do you think intuition is is there

1548
01:01:59,248 --> 01:02:02,818
it is there was something like what's

1549
01:02:00,719 --> 01:02:04,199
the late last time you went oh I'm not

1550
01:02:02,818 --> 01:02:05,909
going to get into that or talk to that

1551
01:02:04,199 --> 01:02:08,639
person and why do you think you thought

1552
01:02:05,909 --> 01:02:11,368
that way um well my friends told me like

1553
01:02:08,639 --> 01:02:13,469
say to not go in the back compartment of

1554
01:02:11,369 --> 01:02:15,809
the chain on the way home because some

1555
01:02:13,469 --> 01:02:17,159
people where people I don't look up at

1556
01:02:15,809 --> 01:02:19,949
them because then they might have a

1557
01:02:17,159 --> 01:02:22,170
ChiCom and talk to you don't make eye

1558
01:02:19,949 --> 01:02:23,519
contact that it's in the Simpsons and

1559
01:02:22,170 --> 01:02:24,929
it's actually true in life as well

1560
01:02:23,518 --> 01:02:26,879
there's some people you should back away

1561
01:02:24,929 --> 01:02:29,009
from not making eye contact that's a

1562
01:02:26,880 --> 01:02:30,599
good yet that's good advice but do you

1563
01:02:29,009 --> 01:02:32,458
have street smarts with it there's a

1564
01:02:30,599 --> 01:02:34,469
certain a certain vibe or something that

1565
01:02:32,458 --> 01:02:37,798
they exhumed that that you go now but

1566
01:02:34,469 --> 01:02:39,650
not yeah like sometimes people just it's

1567
01:02:37,798 --> 01:02:42,599
in a way that people can move like

1568

01:02:39,650 --> 01:02:44,639
airtel like you see Emma's a really

1569
01:02:42,599 --> 01:02:47,189
outgoing person on the way they stand or

1570
01:02:44,639 --> 01:02:50,429
like a really under the weather kind of

1571
01:02:47,188 --> 01:02:54,178
like afraid of life care person who's

1572
01:02:50,429 --> 01:02:55,739
not really out there and well there's an

1573
01:02:54,179 --> 01:02:57,298
emo person who's looking at the ground

1574
01:02:55,739 --> 01:02:58,889
all the time and doesn't see anybody

1575
01:02:57,298 --> 01:03:03,119
ever yeah

1576
01:02:58,889 --> 01:03:04,828
yes sometimes people like that but look

1577
01:03:03,119 --> 01:03:08,910
intuition is very important and I think

1578
01:03:04,829 --> 01:03:11,039
you've got it thank you now we're here

1579
01:03:08,909 --> 01:03:13,078
with our Aeronautics correspondent for

1580
01:03:11,039 --> 01:03:15,089
skipping zone who we got mr. Robin

1581
01:03:13,079 --> 01:03:16,559
Hilliard Robin you're great in fact I

1582
01:03:15,088 --> 01:03:18,538

think there isn't an episode of flying

1583

01:03:16,559 --> 01:03:20,130

upside down him in the plane dying that

1584

01:03:18,539 --> 01:03:23,190

you haven't seen what about intuition

1585

01:03:20,130 --> 01:03:27,150

would intuition play any part as a pilot

1586

01:03:23,190 --> 01:03:28,920

I have experienced intuition myself of

1587

01:03:27,150 --> 01:03:30,838

something being that the intuition that

1588

01:03:28,920 --> 01:03:32,700

something was wrong and turned around

1589

01:03:30,838 --> 01:03:34,710

and got a plane back to an airfield

1590

01:03:32,699 --> 01:03:36,480

before it ripped the engine stopped so

1591

01:03:34,710 --> 01:03:40,318

yes it so how did you know the engine

1592

01:03:36,480 --> 01:03:42,358

was about to go um I i summed up all the

1593

01:03:40,318 --> 01:03:43,858

things that were working ok and then

1594

01:03:42,358 --> 01:03:46,018

raided that against the things that

1595

01:03:43,858 --> 01:03:49,199

weren't going ok and I thought that's

1596

01:03:46,018 --> 01:03:51,778

not enough things going ok so I turned

1597
01:03:49,199 --> 01:03:53,368
around at that point on no I think I

1598
01:03:51,778 --> 01:03:55,768
think this is probably a good example I

1599
01:03:53,369 --> 01:03:57,568
mean I read the malcolm gladwell sort of

1600
01:03:55,768 --> 01:04:00,358
books and so I sort of have a bit of a I

1601
01:03:57,568 --> 01:04:02,460
have a so I've read a bit about this and

1602
01:04:00,358 --> 01:04:04,679
I thought of agree that intuition is

1603
01:04:02,460 --> 01:04:07,619
that which you don't it's a decision

1604
01:04:04,679 --> 01:04:08,969
that you make subconsciously based on

1605
01:04:07,619 --> 01:04:10,890
learned experience there's nothing

1606
01:04:08,969 --> 01:04:12,389
nothing the paranormal about it it's

1607
01:04:10,889 --> 01:04:14,129
probably more the neural networks in

1608
01:04:12,389 --> 01:04:16,798
your brain just sort of triggering

1609
01:04:14,130 --> 01:04:18,150
enough of a learned response and you

1610
01:04:16,798 --> 01:04:20,818
paying attention to that without having

1611
01:04:18,150 --> 01:04:23,039
come consciously to that that decision

1612
01:04:20,818 --> 01:04:24,568
yourself eps if someone's flying a much

1613
01:04:23,039 --> 01:04:26,430
more complicated plan like one the new

1614
01:04:24,568 --> 01:04:27,989
Airbus and something like that is there

1615
01:04:26,429 --> 01:04:29,759
any room for intuition in that or is

1616
01:04:27,989 --> 01:04:31,739
everything just so looked after that

1617
01:04:29,759 --> 01:04:34,559
they you can't actually have intuition

1618
01:04:31,739 --> 01:04:36,268
in a complex machine like that I think

1619
01:04:34,559 --> 01:04:38,640
the pilots are there for the intuition

1620
01:04:36,268 --> 01:04:40,649
although unsat sadly sometimes like in

1621
01:04:38,639 --> 01:04:42,929
the most recently a bus crashes they've

1622
01:04:40,650 --> 01:04:45,539
sort of failed in that regard very very

1623
01:04:42,929 --> 01:04:46,919
very tragically but um no I think that's

1624
01:04:45,539 --> 01:04:48,180
why that's why you're there because

1625

01:04:46,920 --> 01:04:50,490
there's at the end of the day it's a

1626
01:04:48,179 --> 01:04:52,618
system and the system can't get creative

1627
01:04:50,489 --> 01:04:55,439
when you need the intuition there to

1628
01:04:52,619 --> 01:04:56,818
actually to actually say because it's

1629
01:04:55,440 --> 01:04:58,710
because you have to make those it's for

1630
01:04:56,818 --> 01:05:00,778
the split-second decisions that you

1631
01:04:58,710 --> 01:05:02,818
can't make in a system it's like when

1632
01:05:00,778 --> 01:05:04,920
they lat doing it doing the Hudson the

1633
01:05:02,818 --> 01:05:08,278
Hudson landing and that guy forgot to

1634
01:05:04,920 --> 01:05:09,450
seal off the the watertight compartment

1635
01:05:08,278 --> 01:05:10,340
for the luggage and he's the guy who

1636
01:05:09,449 --> 01:05:11,929
used to try

1637
01:05:10,340 --> 01:05:13,130
people to seal off the watertight

1638
01:05:11,929 --> 01:05:15,349
compartment for the luggage and he

1639
01:05:13,130 --> 01:05:17,150

forgot to do it I find that amazing I

1640

01:05:15,349 --> 01:05:19,039

mean I mention I couldn't do it but why

1641

01:05:17,150 --> 01:05:21,139

didn't he do it when that the CEO I

1642

01:05:19,039 --> 01:05:22,730

could easily understand forgetting

1643

01:05:21,139 --> 01:05:25,609

forgetting things or not or not

1644

01:05:22,730 --> 01:05:28,219

realizing not realizing that something

1645

01:05:25,610 --> 01:05:30,050

was happening in in in Mike I mean I

1646

01:05:28,219 --> 01:05:31,730

realized there was a crash at canley

1647

01:05:30,050 --> 01:05:34,039

vale a few years back where they were

1648

01:05:31,730 --> 01:05:35,570

too had to get back to bankstown because

1649

01:05:34,039 --> 01:05:37,849

all the other airports have been closed

1650

01:05:35,570 --> 01:05:39,320

by property developers but um my crash

1651

01:05:37,849 --> 01:05:40,279

was quite similar to them except they

1652

01:05:39,320 --> 01:05:42,410

had two engines and they had the

1653

01:05:40,280 --> 01:05:45,200

unbelievable bad luck of two engines

1654
01:05:42,409 --> 01:05:46,279
failing at the same time but for me all

1655
01:05:45,199 --> 01:05:48,230
the instruments were actually saying

1656
01:05:46,280 --> 01:05:50,690
that everything was okay and it's only

1657
01:05:48,230 --> 01:05:52,730
just summing up saying no but the

1658
01:05:50,690 --> 01:05:54,920
aeroplane isn't climbing at the end of

1659
01:05:52,730 --> 01:05:57,949
the day it's not performing and nothing

1660
01:05:54,920 --> 01:05:59,900
in front of me until later when we

1661
01:05:57,949 --> 01:06:01,519
started things started definitely going

1662
01:05:59,900 --> 01:06:03,139
wrong nothing in front of me Toby using

1663
01:06:01,519 --> 01:06:05,989
the oil squirting on the windscreen bit

1664
01:06:03,139 --> 01:06:07,069
of a giveaway that was near the end you

1665
01:06:05,989 --> 01:06:09,349
should never soil you just weren't

1666
01:06:07,070 --> 01:06:11,510
really scared no that was that was that

1667
01:06:09,349 --> 01:06:13,460
was definitely oil the front seal burst

1668
01:06:11,510 --> 01:06:14,900
very suddenly and it was flat and I was

1669
01:06:13,460 --> 01:06:16,789
landing into the Setting Sun so that was

1670
01:06:14,900 --> 01:06:18,829
quite exciting but it but it will just

1671
01:06:16,789 --> 01:06:20,389
made everything sort of like Rosie Hayes

1672
01:06:18,829 --> 01:06:23,210
Vaseline II sort of thing it wasn't

1673
01:06:20,389 --> 01:06:25,369
black it wasn't like Bugs Bunny it's

1674
01:06:23,210 --> 01:06:27,019
never boring with you is it no no no and

1675
01:06:25,369 --> 01:06:28,699
I have to later on I was just I have to

1676
01:06:27,019 --> 01:06:30,710
show you my photos from Pearl Harbor I

1677
01:06:28,699 --> 01:06:32,119
know because I went date we went on why

1678
01:06:30,710 --> 01:06:33,800
on the holidays so you know what you'll

1679
01:06:32,119 --> 01:06:37,119
want to see some of my pearl harbor

1680
01:06:33,800 --> 01:06:37,120
photos okay thank you

1681
01:06:58,199 --> 01:07:03,518
thank you for listening to the skeptic

1682

01:07:01,119 --> 01:07:05,579
zone and thank you once again for me not

1683
01:07:03,518 --> 01:07:09,308
for lots of very interesting reports on

1684
01:07:05,579 --> 01:07:11,829
this week's show of course you can check

1685
01:07:09,309 --> 01:07:15,430
out maynards other podcasts and

1686
01:07:11,829 --> 01:07:17,140
activities at maynard com au where he

1687
01:07:15,429 --> 01:07:20,768
has some interviews with more people

1688
01:07:17,139 --> 01:07:23,739
from red dwarf and deep space nine star

1689
01:07:20,768 --> 01:07:27,189
trek now that storm is still threatening

1690
01:07:23,739 --> 01:07:28,508
to storm outside the I think I'm in the

1691
01:07:27,190 --> 01:07:31,119
eye of the storm at the moment it's a

1692
01:07:28,509 --> 01:07:36,338
little bit freaky now before I wrap up

1693
01:07:31,119 --> 01:07:38,170
the show visit w wh less calm day you to

1694
01:07:36,338 --> 01:07:41,440
visit the rational society of australia

1695
01:07:38,170 --> 01:07:44,259
and find out about the upcoming tour by

1696
01:07:41,440 --> 01:07:47,079

sean Faircloth australia and new zealand

1697

01:07:44,259 --> 01:07:50,409

more information at the rationalist

1698

01:07:47,079 --> 01:07:52,150

website but for now with with heartfelt

1699

01:07:50,409 --> 01:07:57,848

thanks to all those people who do chip

1700

01:07:52,150 --> 01:08:00,639

in via wwc a pig's and TV with a dollar

1701

01:07:57,849 --> 01:08:03,460

a week or a bit more thank you very much

1702

01:08:00,639 --> 01:08:05,588

it's people like you who helped make the

1703

01:08:03,460 --> 01:08:12,699

show possible this is Richard Saunders

1704

01:08:05,588 --> 01:08:16,088

signing off from Sydney Australia you've

1705

01:08:12,699 --> 01:08:20,710

been listening to the skeptic zone visit

1706

01:08:16,088 --> 01:08:23,170

her website at www skeptics on TV for

1707

01:08:20,710 --> 01:08:25,829

comments contacts and extra video

1708

01:08:23,170 --> 01:08:25,829

reports