

The Skeptic Zone

Show 225 - 10 Feb 2013



Penny Chan

1
00:00:07,749 --> 00:00:06,230
come on baby come on come on there's a

2
00:00:14,789 --> 00:00:07,759
carburetor in this or something come on

3
00:00:31,269 --> 00:00:17,349
welcome to the skeptic zone the podcast

4
00:00:36,549 --> 00:00:33,430
hello and welcome to the skeptic zone

5
00:00:38,709 --> 00:00:36,559
episode number 225.

6
00:00:40,069 --> 00:00:38,719
that must be some sort of a

7
00:00:43,030 --> 00:00:40,079
milestone

8
00:00:44,630 --> 00:00:43,040
for the 10th of february 2013. richard

9
00:00:46,869 --> 00:00:44,640
saunders here with you from sydney

10
00:00:49,510 --> 00:00:46,879
australia where a big storm is just

11
00:00:52,069 --> 00:00:49,520
about hit according to the weather radar

12
00:00:54,790 --> 00:00:52,079
and listening outside the rain is just

13
00:00:56,470 --> 00:00:54,800

about to start pelting down time to

14

00:00:58,389 --> 00:00:56,480

batten down the hatches

15

00:01:01,430 --> 00:00:58,399

but before i do that i better tell you

16

00:01:04,469 --> 00:01:01,440

about this week's skeptic zone i catch

17

00:01:06,950 --> 00:01:04,479

up with penny chan our reporter from

18

00:01:08,950 --> 00:01:06,960

long beach in california now just

19

00:01:10,630 --> 00:01:08,960

recently penny went to hong kong to

20

00:01:13,910 --> 00:01:10,640

visit some family

21

00:01:15,429 --> 00:01:13,920

did she discover any woo any alternative

22

00:01:18,390 --> 00:01:15,439

type treatments

23

00:01:20,710 --> 00:01:18,400

well to lessen the suspension she did

24

00:01:22,630 --> 00:01:20,720

and she tried a few that report coming

25

00:01:24,550 --> 00:01:22,640

up at the top of the show

26

00:01:27,429 --> 00:01:24,560

following that we have a little uh

27

00:01:29,429 --> 00:01:27,439

teaser trailer for a very uh worthwhile

28

00:01:30,950 --> 00:01:29,439

project going on at the moment called an

29

00:01:34,069 --> 00:01:30,960

honest liar

30

00:01:35,990 --> 00:01:34,079

a documentary about the amazing randy

31

00:01:37,510 --> 00:01:36,000

and how you can help

32

00:01:40,230 --> 00:01:37,520

coming up soon

33

00:01:42,630 --> 00:01:40,240

after that maynard's spooky action

34

00:01:45,350 --> 00:01:42,640

maynard chats with ben newsom the

35

00:01:47,429 --> 00:01:45,360

director of a wonderful science outreach

36

00:01:48,710 --> 00:01:47,439

program here in australia called physics

37

00:01:52,310 --> 00:01:48,720

education

38

00:01:54,710 --> 00:01:52,320

spelled fi zed ics

39

00:01:56,550 --> 00:01:54,720

physics education science shows and

40

00:01:59,270 --> 00:01:56,560

educational products

41

00:02:01,830 --> 00:01:59,280

with a real wow factor it says and after

42

00:02:04,630 --> 00:02:01,840

that maynard catches up with pub goers

43

00:02:06,230 --> 00:02:04,640

here in sydney skeptics in the pub

44

00:02:09,430 --> 00:02:06,240

and ask the big question the big

45

00:02:11,110 --> 00:02:09,440

question this month is what do you think

46

00:02:12,869 --> 00:02:11,120

intuition is

47

00:02:15,030 --> 00:02:12,879

what is intuition

48

00:02:17,589 --> 00:02:15,040

i've often wondered myself find out what

49

00:02:19,589 --> 00:02:17,599

pub goers think

50

00:02:22,869 --> 00:02:19,599

intuition is and oh yes i just heard a

51
00:02:24,710 --> 00:02:22,879
big crack of thunder outside hmm

52
00:02:26,229 --> 00:02:24,720
now listeners in australia might have

53
00:02:27,750 --> 00:02:26,239
seen an article

54
00:02:31,670 --> 00:02:27,760
uh about

55
00:02:33,350 --> 00:02:31,680
psychics in the weekend newspaper

56
00:02:34,710 --> 00:02:33,360
psychics in the suburbs i think it was

57
00:02:37,110 --> 00:02:34,720
called something like that where i'm

58
00:02:41,750 --> 00:02:37,120
quoted and james randy and chrissy

59
00:02:43,430 --> 00:02:41,760
wilson and chris french are all quoted

60
00:02:45,830 --> 00:02:43,440
oddly enough they

61
00:02:48,949 --> 00:02:45,840
described me as having a square jaw and

62
00:02:51,430 --> 00:02:48,959
i've copped no end of

63
00:02:53,350 --> 00:02:51,440

ribbing about that comment ever since

64

00:02:55,509 --> 00:02:53,360

i'll put a link to that article about

65

00:02:58,550 --> 00:02:55,519

psychics in the suburbs people who think

66

00:03:00,550 --> 00:02:58,560

or claim they can talk with the dead

67

00:03:02,710 --> 00:03:00,560

i'll put a link to that item on the show

68

00:03:06,309 --> 00:03:02,720

notes or you can just google

69

00:03:08,470 --> 00:03:06,319

sydney morning herald good weekend

70

00:03:11,030 --> 00:03:08,480

a quick correction brought to me by my

71

00:03:13,190 --> 00:03:11,040

friends in uh canberra i said that

72

00:03:15,110 --> 00:03:13,200

there'd be a pub meeting on the 12th

73

00:03:16,869 --> 00:03:15,120

that's not true

74

00:03:19,910 --> 00:03:16,879

that's something else going on on the

75

00:03:25,149 --> 00:03:19,920

12th not a skeptics in the pub but if

76

00:03:29,270 --> 00:03:26,790

www.canberrassskeptics.org.au to find

77

00:03:31,670 --> 00:03:29,280

out when their skeptics in the pub is

78

00:03:34,309 --> 00:03:31,680

and other free lectures i know there are

79

00:03:35,990 --> 00:03:34,319

some coming up very soon but now it's

80

00:03:37,830 --> 00:03:36,000

time for me to write

81

00:03:40,149 --> 00:03:37,840

well actually no i before i run

82

00:03:42,070 --> 00:03:40,159

downstairs and look for something to uh

83

00:03:44,470 --> 00:03:42,080

drink or eat or whatever

84

00:03:46,390 --> 00:03:44,480

a little odd thing at the beginning of

85

00:03:47,910 --> 00:03:46,400

the show with maynard trying to start a

86

00:03:49,509 --> 00:03:47,920

car engine

87

00:03:51,830 --> 00:03:49,519

i wonder if that's got something to do

88

00:03:52,630 --> 00:03:51,840

with solar flare

89

00:03:54,470 --> 00:03:52,640

hmm

90

00:03:56,869 --> 00:03:54,480

i wonder

91

00:03:58,710 --> 00:03:56,879

all right enough hints

92

00:04:01,509 --> 00:03:58,720

i will run downstairs and batten down

93

00:04:03,509 --> 00:04:01,519

the hatches what should i have

94

00:04:05,910 --> 00:04:03,519

what do sailors have at sea to button

95

00:04:08,869 --> 00:04:05,920

down the hatches they rub

96

00:04:36,150 --> 00:04:08,879

a little glass of rum while you enjoy

97

00:04:48,070 --> 00:04:38,870

here's penny chan

98

00:04:52,310 --> 00:04:49,830

and joining me on the line from

99

00:04:54,310 --> 00:04:52,320

beautiful long beach in california oh

100

00:04:57,749 --> 00:04:54,320

the land i dream of

101
00:04:59,350 --> 00:04:57,759
penny chan hello penny hi richard it's

102
00:05:01,350 --> 00:04:59,360
good to see you because uh for the

103
00:05:02,950 --> 00:05:01,360
benefit of of our listeners we are

104
00:05:05,430 --> 00:05:02,960
actually looking at each other now we're

105
00:05:07,270 --> 00:05:05,440
we're video conferencing it's fantastic

106
00:05:08,830 --> 00:05:07,280
you can see into my brand new kitchen oh

107
00:05:09,670 --> 00:05:08,840
i can see your brand new kitchen and

108
00:05:11,270 --> 00:05:09,680
what are the

109
00:05:12,870 --> 00:05:11,280
minimalist doesn't match the rest of my

110
00:05:14,870 --> 00:05:12,880
house but i showed the cleanest room in

111
00:05:16,469 --> 00:05:14,880
my house so

112
00:05:18,390 --> 00:05:16,479
so i'm interviewing you from your

113
00:05:20,230 --> 00:05:18,400

kitchen how appropriate the skeptics and

114

00:05:22,390 --> 00:05:20,240

there's always after noms that's all i

115

00:05:24,310 --> 00:05:22,400

can say yeah yeah and i'm right by my

116

00:05:26,070 --> 00:05:24,320

fridge too as you can see there's not a

117

00:05:28,390 --> 00:05:26,080

lot in it listeners you don't know what

118

00:05:30,310 --> 00:05:28,400

you're missing out on it's a wonderful

119

00:05:32,629 --> 00:05:30,320

brand new sparkling kitchen complete

120

00:05:35,670 --> 00:05:32,639

with fridge

121

00:05:37,590 --> 00:05:35,680

and pennies there in her stripy red top

122

00:05:38,710 --> 00:05:37,600

looking fantastic

123

00:05:40,710 --> 00:05:38,720

thank you

124

00:05:42,390 --> 00:05:40,720

now penny um it's been a little while

125

00:05:44,550 --> 00:05:42,400

since the skeptic zones caught up with

126

00:05:47,510 --> 00:05:44,560

you and i'm delighted to say that you

127

00:05:49,350 --> 00:05:47,520

you too are taking part in our secret

128

00:05:51,990 --> 00:05:49,360

project solar flare which is very

129

00:05:54,790 --> 00:05:52,000

exciting yeah top secret and you've

130

00:05:55,670 --> 00:05:54,800

heard a little um a sneak peek of it

131

00:05:56,950 --> 00:05:55,680

yeah

132

00:05:58,310 --> 00:05:56,960

and i think

133

00:06:00,150 --> 00:05:58,320

you thought it was a very interesting

134

00:06:01,189 --> 00:06:00,160

project indeed but more about that in a

135

00:06:03,270 --> 00:06:01,199

few weeks

136

00:06:04,710 --> 00:06:03,280

but uh now since we've heard from you

137

00:06:07,430 --> 00:06:04,720

last time you've had a very interesting

138

00:06:09,110 --> 00:06:07,440

time indeed you went to hong kong and i

139

00:06:11,590 --> 00:06:09,120

must say the last time i was in hong

140

00:06:14,150 --> 00:06:11,600

kong i think i was about

141

00:06:15,990 --> 00:06:14,160

four years old way back in 1969 so i

142

00:06:17,909 --> 00:06:16,000

don't really remember too much about it

143

00:06:19,830 --> 00:06:17,919

what what what were your impressions of

144

00:06:22,629 --> 00:06:19,840

hong kong and why did you go there it's

145

00:06:25,590 --> 00:06:22,639

where my dad is from and um i just in

146

00:06:28,309 --> 00:06:25,600

december i graduated from university as

147

00:06:29,029 --> 00:06:28,319

a you know graduation gift my dad said

148

00:06:30,790 --> 00:06:29,039

hey

149

00:06:32,070 --> 00:06:30,800

would you like to go to hong kong so i

150

00:06:34,790 --> 00:06:32,080

said yes

151

00:06:36,469 --> 00:06:34,800

i went and it i had a fantastic time it

152

00:06:38,710 --> 00:06:36,479

was ten days there

153

00:06:39,749 --> 00:06:38,720

um i saw all the sights there's so much

154

00:06:43,110 --> 00:06:39,759

to see

155

00:06:45,270 --> 00:06:43,120

um it's a wonderful wonderful city it's

156

00:06:47,990 --> 00:06:45,280

got such a huge population crammed into

157

00:06:49,510 --> 00:06:48,000

a very small area so i will say it was

158

00:06:51,110 --> 00:06:49,520

quite crowded but

159

00:06:53,590 --> 00:06:51,120

a good place i mean i had a really good

160

00:06:55,189 --> 00:06:53,600

time it was really interesting um it's a

161

00:06:57,990 --> 00:06:55,199

place that is

162

00:07:00,629 --> 00:06:58,000

really a good place to explore a lot of

163

00:07:02,710 --> 00:07:00,639

alternative medicinal practices shall we

164

00:07:05,670 --> 00:07:02,720

say well i guess i shouldn't i shouldn't

165

00:07:07,270 --> 00:07:05,680

sound too surprised um because we always

166

00:07:09,589 --> 00:07:07,280

hear about things like chinese

167

00:07:11,510 --> 00:07:09,599

traditional medicine or herbal medicine

168

00:07:13,670 --> 00:07:11,520

and things like this but i've

169

00:07:15,189 --> 00:07:13,680

i've never really been in a place where

170

00:07:16,870 --> 00:07:15,199

it's been

171

00:07:18,950 --> 00:07:16,880

everywhere and i guess hong kong is sort

172

00:07:21,909 --> 00:07:18,960

of like that yes and what's interesting

173

00:07:23,589 --> 00:07:21,919

is that it is one of the most

174

00:07:26,230 --> 00:07:23,599

modern cities on the planet you know

175

00:07:29,909 --> 00:07:26,240

it's up there with los angeles new york

176
00:07:33,749 --> 00:07:29,919
and london and sydney so it's very very

177
00:07:35,110 --> 00:07:33,759
modern in every sense possible it's

178
00:07:37,029 --> 00:07:35,120
actually really gorgeous there the

179
00:07:39,430 --> 00:07:37,039
infrastructure and you know the

180
00:07:42,070 --> 00:07:39,440
buildings and and the transportation is

181
00:07:44,230 --> 00:07:42,080
amazing that public transport is put it

182
00:07:47,430 --> 00:07:44,240
really makes me feel ashamed of how

183
00:07:48,870 --> 00:07:47,440
crappy the metro line is here in l.a um

184
00:07:51,029 --> 00:07:48,880
you should you should try it here in

185
00:07:53,510 --> 00:07:51,039
sydney i tell you what

186
00:07:55,110 --> 00:07:53,520
isn't that bad well it could be better

187
00:07:56,469 --> 00:07:55,120
oh yes and some of those trains aren't

188
00:07:58,309 --> 00:07:56,479

air conditioned in the summertime i

189

00:08:00,790 --> 00:07:58,319

would but let's get back to the real

190

00:08:02,950 --> 00:08:00,800

topic of the conversation being in hong

191

00:08:04,790 --> 00:08:02,960

kong what did you experience in the way

192

00:08:06,710 --> 00:08:04,800

of interesting um

193

00:08:09,029 --> 00:08:06,720

well can we say traditional or can we

194

00:08:10,710 --> 00:08:09,039

say new age sort of practices

195

00:08:12,230 --> 00:08:10,720

okay well i don't want to like you know

196

00:08:13,749 --> 00:08:12,240

make a big generalization and say you

197

00:08:16,710 --> 00:08:13,759

know everybody in hong kong is so

198

00:08:18,710 --> 00:08:16,720

superstitious people will not

199

00:08:20,070 --> 00:08:18,720

outright ignore modern medicine

200

00:08:22,469 --> 00:08:20,080

practices

201
00:08:25,670 --> 00:08:22,479
they will go to the hospital if their

202
00:08:27,270 --> 00:08:25,680
leg is broken or something but they put

203
00:08:27,909 --> 00:08:27,280
equal stock

204
00:08:30,230 --> 00:08:27,919
of

205
00:08:32,790 --> 00:08:30,240
many people for example the people that

206
00:08:35,430 --> 00:08:32,800
i stayed with there or i stayed with um

207
00:08:38,469 --> 00:08:35,440
family when i was there um mostly and

208
00:08:39,509 --> 00:08:38,479
they put an equal stock in

209
00:08:42,070 --> 00:08:39,519
um

210
00:08:44,230 --> 00:08:42,080
it's not alternative to them

211
00:08:46,150 --> 00:08:44,240
for example say sorry let me be clear

212
00:08:48,630 --> 00:08:46,160
what i mean by alternative

213
00:08:52,310 --> 00:08:48,640

herbal medicine um things like

214

00:08:55,350 --> 00:08:52,320

acupuncture massage therapy reflexology

215

00:08:56,310 --> 00:08:55,360

um they are just as willing to turn to

216

00:08:58,150 --> 00:08:56,320

that

217

00:08:59,590 --> 00:08:58,160

as they would to

218

00:09:01,670 --> 00:08:59,600

modern

219

00:09:04,389 --> 00:09:01,680

you know what we would say medicine

220

00:09:06,310 --> 00:09:04,399

practices um i did have the opportunity

221

00:09:08,790 --> 00:09:06,320

um to go with

222

00:09:10,389 --> 00:09:08,800

my cousin to she so she's been having

223

00:09:12,870 --> 00:09:10,399

for example she's had this persistent

224

00:09:15,269 --> 00:09:12,880

cough for the past few years just this

225

00:09:17,430 --> 00:09:15,279

you know kind of chesty throaty coughing

226

00:09:19,829 --> 00:09:17,440

that's been bothering her and she says

227

00:09:21,590 --> 00:09:19,839

that her um

228

00:09:23,750 --> 00:09:21,600

modern western trained

229

00:09:25,590 --> 00:09:23,760

doctor is not able to help her so for

230

00:09:26,790 --> 00:09:25,600

the past few months or so she's been

231

00:09:27,590 --> 00:09:26,800

going to see

232

00:09:29,430 --> 00:09:27,600

um

233

00:09:33,190 --> 00:09:29,440

a

234

00:09:35,750 --> 00:09:33,200

english word for it is it's not bone

235

00:09:37,829 --> 00:09:35,760

setter it's it's this guy who

236

00:09:40,070 --> 00:09:37,839

okay so we went to this

237

00:09:41,110 --> 00:09:40,080

this house you know on the outskirts of

238

00:09:42,870 --> 00:09:41,120

town

239

00:09:45,829 --> 00:09:42,880

and

240

00:09:48,389 --> 00:09:45,839

it's this apartment on the lowest floor

241

00:09:51,110 --> 00:09:48,399

and he's this this old man has this like

242

00:09:53,990 --> 00:09:51,120

front reception office and back in the

243

00:09:56,070 --> 00:09:54,000

back room there's a bed with some with

244

00:09:58,310 --> 00:09:56,080

then as charts on the wall with you know

245

00:09:59,990 --> 00:09:58,320

acupuncture meridian

246

00:10:01,990 --> 00:10:00,000

charted out

247

00:10:04,070 --> 00:10:02,000

and then there's a bed and then next to

248

00:10:06,150 --> 00:10:04,080

on the table there's like a bottle of

249

00:10:08,949 --> 00:10:06,160

brandy i'm like oh my god what's gonna

250

00:10:10,949 --> 00:10:08,959

go on here she's like no just watch so

251
00:10:13,670 --> 00:10:10,959
she gets on the bed on her stomach and

252
00:10:16,230 --> 00:10:13,680
he starts to like twist her arm and

253
00:10:22,389 --> 00:10:16,240
shoulder back and she's squealing and

254
00:10:27,190 --> 00:10:24,710
they're like no no it's okay and he's

255
00:10:29,110 --> 00:10:27,200
he's fixing her like uh it looks like it

256
00:10:32,230 --> 00:10:29,120
hurts and she's like yes it hurts but

257
00:10:33,990 --> 00:10:32,240
it's good for me like oh no so after

258
00:10:35,509 --> 00:10:34,000
about five minutes of that i've heard

259
00:10:37,990 --> 00:10:35,519
just like

260
00:10:39,430 --> 00:10:38,000
i'm like stop she came out and he handed

261
00:10:42,470 --> 00:10:39,440
her some of these

262
00:10:44,550 --> 00:10:42,480
round green pills that are basically you

263
00:10:46,470 --> 00:10:44,560

know herbal remedies and she just

264

00:10:48,710 --> 00:10:46,480

swallowed them she's like so yeah i go

265

00:10:50,710 --> 00:10:48,720

in and he twists my arms up into a

266

00:10:52,790 --> 00:10:50,720

pretzel and then he gives me these pills

267

00:10:54,630 --> 00:10:52,800

and i feel better

268

00:10:56,230 --> 00:10:54,640

wow

269

00:10:57,350 --> 00:10:56,240

okay

270

00:10:59,110 --> 00:10:57,360

good

271

00:11:00,870 --> 00:10:59,120

well i can't quite see the connection

272

00:11:03,190 --> 00:11:00,880

between twisting somebody's arms and

273

00:11:04,870 --> 00:11:03,200

green pills and a cough

274

00:11:07,030 --> 00:11:04,880

and i noticed that she kind of still

275

00:11:09,829 --> 00:11:07,040

coughs a little bit but

276

00:11:12,550 --> 00:11:09,839

whatever makes her feel better i guess

277

00:11:14,630 --> 00:11:12,560

so that was my first experience with

278

00:11:16,389 --> 00:11:14,640

that my other cousin said penelope if

279

00:11:18,790 --> 00:11:16,399

you're interested in trying some of this

280

00:11:21,030 --> 00:11:18,800

stuff our whole family goes to this one

281

00:11:22,150 --> 00:11:21,040

clinic and in the middle of the city um

282

00:11:23,430 --> 00:11:22,160

they're very very good they're very

283

00:11:25,110 --> 00:11:23,440

reputable you know you know they're

284

00:11:27,670 --> 00:11:25,120

trying to reassure me that they're not

285

00:11:29,190 --> 00:11:27,680

gonna just like give me some infection

286

00:11:31,750 --> 00:11:29,200

from their acupuncture needles when i'm

287

00:11:33,990 --> 00:11:31,760

there it's like oh okay so i did a

288

00:11:35,430 --> 00:11:34,000

little more research into this and to

289

00:11:37,110 --> 00:11:35,440

see what i could do because there's the

290

00:11:39,030 --> 00:11:37,120

thing is i think i went about it the

291

00:11:41,430 --> 00:11:39,040

wrong way because i i wanted to try at

292

00:11:42,790 --> 00:11:41,440

least one of these alternative therapies

293

00:11:44,230 --> 00:11:42,800

while i was there but

294

00:11:46,710 --> 00:11:44,240

you know we have it here you know

295

00:11:48,710 --> 00:11:46,720

cupping the where they

296

00:11:49,670 --> 00:11:48,720

give you big bruises from the vacuum

297

00:11:51,430 --> 00:11:49,680

cups

298

00:11:53,750 --> 00:11:51,440

and then they a thing that i've never

299

00:11:56,550 --> 00:11:53,760

heard of called guasa which is where

300

00:11:59,190 --> 00:11:56,560

they take a tool with a rounded edge

301
00:12:00,150 --> 00:11:59,200
like a such as a one dollar coin and

302
00:12:02,790 --> 00:12:00,160
they

303
00:12:04,870 --> 00:12:02,800
basically push it push it hard into your

304
00:12:06,150 --> 00:12:04,880
back and your neck and your shoulder

305
00:12:08,949 --> 00:12:06,160
blades

306
00:12:10,470 --> 00:12:08,959
until you get these tiger stripe bruises

307
00:12:11,590 --> 00:12:10,480
this practice actually originated in

308
00:12:13,990 --> 00:12:11,600
vietnam

309
00:12:18,069 --> 00:12:14,000
but it's also popular in hong kong and

310
00:12:20,069 --> 00:12:18,079
so the bruises left by the guasa

311
00:12:21,190 --> 00:12:20,079
similar to the cupping the darker the

312
00:12:22,949 --> 00:12:21,200
bruise

313
00:12:26,230 --> 00:12:22,959

the better

314

00:12:30,710 --> 00:12:26,240

and somehow bruising

315

00:12:31,910 --> 00:12:30,720

as the bruises fade it's better for your

316

00:12:34,710 --> 00:12:31,920

blood

317

00:12:35,829 --> 00:12:34,720

and we'll cure like flu but i hear

318

00:12:37,910 --> 00:12:35,839

differing

319

00:12:39,030 --> 00:12:37,920

things from wherever i hear like like so

320

00:12:40,710 --> 00:12:39,040

bruises

321

00:12:42,470 --> 00:12:40,720

are helping

322

00:12:44,230 --> 00:12:42,480

something and everybody's like yes yes

323

00:12:46,310 --> 00:12:44,240

the bruises are good thing

324

00:12:48,150 --> 00:12:46,320

so um i'm like i wanted something

325

00:12:49,350 --> 00:12:48,160

dramatic looking like that and then i

326

00:12:51,030 --> 00:12:49,360

realized i'm going about it the wrong

327

00:12:53,190 --> 00:12:51,040

way like i can't just go into a clinic

328

00:12:54,870 --> 00:12:53,200

and say give me bruises

329

00:12:56,150 --> 00:12:54,880

i want something impressive looking when

330

00:12:58,629 --> 00:12:56,160

i come back you know be instead of a

331

00:12:59,910 --> 00:12:58,639

tattoo just a bunch of guaca tiger

332

00:13:01,430 --> 00:12:59,920

stripe bruises

333

00:13:03,030 --> 00:13:01,440

i'll do this the right way i'll go into

334

00:13:04,870 --> 00:13:03,040

the clinic and i'll tell them what my

335

00:13:06,949 --> 00:13:04,880

problem is and they'll tell me what i

336

00:13:09,350 --> 00:13:06,959

need to have so

337

00:13:13,110 --> 00:13:09,360

i went in one day and i

338

00:13:15,430 --> 00:13:13,120

talked to a lady named dr yan

339

00:13:17,110 --> 00:13:15,440

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

340

00:13:19,190 --> 00:13:17,120

but she wore a white coat and she was

341

00:13:21,350 --> 00:13:19,200

very nice to me well there you go um and

342

00:13:22,870 --> 00:13:21,360

so it's like the thing is i'm

343

00:13:25,269 --> 00:13:22,880

quite healthy actually i don't have any

344

00:13:27,910 --> 00:13:25,279

huge problems the only problem i guess

345

00:13:30,389 --> 00:13:27,920

was that i sometimes get bouts of acne

346

00:13:32,710 --> 00:13:30,399

pimples on my face so i just said that's

347

00:13:35,110 --> 00:13:32,720

my biggest problem i guess and she said

348

00:13:38,069 --> 00:13:35,120

oh yes well that's obviously a problem

349

00:13:41,110 --> 00:13:38,079

with your energy meridians and stuff so

350

00:13:42,389 --> 00:13:41,120

really oh wow that's it of course i

351

00:13:45,190 --> 00:13:42,399

should have known when i was an

352

00:13:48,069 --> 00:13:45,200

adolescent that that was the problem ah

353

00:13:49,990 --> 00:13:48,079

all that time spent on all the expensive

354

00:13:52,949 --> 00:13:50,000

topical remedies i should've just gone

355

00:13:55,430 --> 00:13:52,959

through the vassar clinic so

356

00:13:58,069 --> 00:13:55,440

i went into this very clean

357

00:13:59,269 --> 00:13:58,079

consulting room and there's like table

358

00:14:00,470 --> 00:13:59,279

there for you to lie down on there's

359

00:14:02,629 --> 00:14:00,480

also i saw

360

00:14:04,310 --> 00:14:02,639

baskets of these glass cups for the

361

00:14:05,430 --> 00:14:04,320

cuffing and i'm like i i kind of don't

362

00:14:06,230 --> 00:14:05,440

want that now

363

00:14:09,590 --> 00:14:06,240

so

364

00:14:11,750 --> 00:14:09,600

she said okay here's what we'll do i

365

00:14:13,990 --> 00:14:11,760

think the best thing for you is

366

00:14:16,949 --> 00:14:14,000

acupuncture um but don't worry i'm a

367

00:14:18,710 --> 00:14:16,959

professional i know what i'm doing um so

368

00:14:20,069 --> 00:14:18,720

we'll do that and i said

369

00:14:22,470 --> 00:14:20,079

okay

370

00:14:23,350 --> 00:14:22,480

give it to me so i've got pictures of

371

00:14:24,790 --> 00:14:23,360

that

372

00:14:27,829 --> 00:14:24,800

pictures of my

373

00:14:30,470 --> 00:14:27,839

going i don't want to do this

374

00:14:31,829 --> 00:14:30,480

pay someone to stick me with needles

375

00:14:35,030 --> 00:14:31,839

so um

376

00:14:37,829 --> 00:14:35,040

so i laid down and she put um

377

00:14:40,870 --> 00:14:37,839

needles into my hands right here between

378

00:14:41,829 --> 00:14:40,880

my thumb and my index finger that hurt

379

00:14:43,350 --> 00:14:41,839

actually

380

00:14:45,750 --> 00:14:43,360

i've heard acupuncture doesn't hurt that

381

00:14:48,790 --> 00:14:45,760

much um but she stuck them right into

382

00:14:50,629 --> 00:14:48,800

nerves it felt like oh you know you make

383

00:14:51,430 --> 00:14:50,639

you kind of shut her like how wow yeah

384

00:15:00,949 --> 00:14:51,440

um

385

00:15:02,389 --> 00:15:00,959

then she stuck one into each ankle

386

00:15:04,389 --> 00:15:02,399

and then she started digging them in my

387

00:15:06,470 --> 00:15:04,399

face

388

00:15:08,389 --> 00:15:06,480

i could feel my heart rate going up i

389

00:15:12,069 --> 00:15:08,399

mean i wish i'd been hooked up to an ekg

390

00:15:14,870 --> 00:15:12,079

just for science reasons

391

00:15:18,150 --> 00:15:14,880

at my face so she stuck i think four

392

00:15:21,430 --> 00:15:18,160

into my hairline two in each cheek

393

00:15:23,910 --> 00:15:21,440

i think three into my chin wow

394

00:15:26,710 --> 00:15:23,920

and i then she just said all right now

395

00:15:28,870 --> 00:15:26,720

you lay here for 20 minutes and um i'll

396

00:15:30,870 --> 00:15:28,880

be right here if you need anything and

397

00:15:33,189 --> 00:15:30,880

20 minutes we'll take them out and

398

00:15:35,269 --> 00:15:33,199

that'll be it so i just you know laid

399

00:15:36,710 --> 00:15:35,279

there kind of with my hands on my chest

400

00:15:37,670 --> 00:15:36,720

trying not to move because when i move

401
00:15:40,710 --> 00:15:37,680
my hands

402
00:15:42,310 --> 00:15:40,720
you know it hurt so i'm like ah

403
00:15:44,629 --> 00:15:42,320
this is weird

404
00:15:46,870 --> 00:15:44,639
um but yeah my heart was beating the

405
00:15:49,350 --> 00:15:46,880
whole time i could feel the

406
00:15:51,829 --> 00:15:49,360
the the panicky hormones

407
00:15:54,230 --> 00:15:51,839
kind of coursing through me but um after

408
00:15:55,829 --> 00:15:54,240
a few minutes she took them out and i

409
00:15:58,389 --> 00:15:55,839
left and

410
00:16:01,189 --> 00:15:58,399
my skin problems are

411
00:16:03,110 --> 00:16:01,199
you know they're not worse

412
00:16:05,269 --> 00:16:03,120
well you're looking okay to me i can't

413
00:16:07,350 --> 00:16:05,279

see any i can't see any problems at the

414

00:16:09,110 --> 00:16:07,360

moment oh thank you well i put on a

415

00:16:11,189 --> 00:16:09,120

little makeup before i turned on my

416

00:16:14,310 --> 00:16:11,199

computer so

417

00:16:16,870 --> 00:16:14,320

that that was now i can say i've uh done

418

00:16:18,949 --> 00:16:16,880

acupuncture so no no one can say to me

419

00:16:21,269 --> 00:16:18,959

don't knock it till you've tried it good

420

00:16:23,110 --> 00:16:21,279

for you it reminds us of or reminds me

421

00:16:25,030 --> 00:16:23,120

of my good friends our good friends at

422

00:16:27,110 --> 00:16:25,040

the owner ross and kerry podcast who do

423

00:16:28,629 --> 00:16:27,120

all these crazy yeah yeah

424

00:16:30,150 --> 00:16:28,639

i was like oh yeah that's i was thinking

425

00:16:33,430 --> 00:16:30,160

i was there i was like why am i doing

426

00:16:35,509 --> 00:16:33,440

this ross and carrie already did it

427

00:16:38,230 --> 00:16:35,519

but yeah so that was my adventure i

428

00:16:40,629 --> 00:16:38,240

didn't just try acupuncture i also um

429

00:16:42,550 --> 00:16:40,639

went in for reflexology twice it was

430

00:16:44,470 --> 00:16:42,560

more of just like a very long foot

431

00:16:45,829 --> 00:16:44,480

massage

432

00:16:47,749 --> 00:16:45,839

but they i mean i thought it was

433

00:16:49,350 --> 00:16:47,759

supposed to hurt more but it didn't it

434

00:16:51,430 --> 00:16:49,360

was it was quite nice

435

00:16:54,470 --> 00:16:51,440

um i also did a thing i've never heard

436

00:16:57,189 --> 00:16:54,480

of before called tibetan foot steaming

437

00:16:58,949 --> 00:16:57,199

tibetan foot steaming it's it almost

438

00:16:59,829 --> 00:16:58,959

sounds like a new age pop group doesn't

439

00:17:07,590 --> 00:16:59,839

it

440

00:17:10,789 --> 00:17:07,600

interesting um

441

00:17:13,189 --> 00:17:10,799

dish that you have basically it's just a

442

00:17:15,510 --> 00:17:13,199

pedicure salon it was that it was quite

443

00:17:17,990 --> 00:17:15,520

nice like this very lovely you know nail

444

00:17:20,069 --> 00:17:18,000

salon but they have you like change into

445

00:17:22,069 --> 00:17:20,079

like these silky pajamas and then you

446

00:17:24,870 --> 00:17:22,079

lay down if you sit down in these cushy

447

00:17:28,069 --> 00:17:24,880

chairs but then they stick your feet

448

00:17:30,310 --> 00:17:28,079

your bare feet into uh these big buckets

449

00:17:32,789 --> 00:17:30,320

the big wooden buckets up to your knees

450

00:17:35,029 --> 00:17:32,799

and attached to the bottom of the bucket

451
00:17:37,190 --> 00:17:35,039
is this hose and and the hose is hooked

452
00:17:40,070 --> 00:17:37,200
up to basically what looks like a rice

453
00:17:42,789 --> 00:17:40,080
cooker what yeah it just it creates

454
00:17:44,070 --> 00:17:42,799
steam and then they put a sachet of um

455
00:17:50,230 --> 00:17:44,080
herbs

456
00:17:52,710 --> 00:17:50,240
and then it just and then they cover

457
00:17:53,510 --> 00:17:52,720
your knees up with the with the towel

458
00:17:54,950 --> 00:17:53,520
and

459
00:17:55,909 --> 00:17:54,960
somehow

460
00:17:57,270 --> 00:17:55,919
the

461
00:17:58,710 --> 00:17:57,280
herbs

462
00:18:02,310 --> 00:17:58,720
in the steam

463
00:18:05,430 --> 00:18:02,320

goes into your feet through the steam

464

00:18:07,029 --> 00:18:05,440

and it's supposed to be detoxifying and

465

00:18:09,990 --> 00:18:07,039

isn't that interesting because of course

466

00:18:12,070 --> 00:18:10,000

we hear a lot about these foot patches

467

00:18:14,150 --> 00:18:12,080

that you put on your feet to draw out

468

00:18:16,390 --> 00:18:14,160

the toxins you're telling me you have a

469

00:18:18,230 --> 00:18:16,400

treatment that puts things

470

00:18:22,150 --> 00:18:18,240

in to draw out

471

00:18:26,630 --> 00:18:25,029

but uh it was highly recommended so i

472

00:18:29,190 --> 00:18:26,640

tried it and you know it was very

473

00:18:32,310 --> 00:18:29,200

relaxing and i don't know you got clean

474

00:18:33,270 --> 00:18:32,320

feet afterwards a very clean softened

475

00:18:35,750 --> 00:18:33,280

feet

476

00:18:37,909 --> 00:18:35,760

but yeah they they give you a menu to to

477

00:18:40,470 --> 00:18:37,919

whichever problem you've got there's a

478

00:18:41,590 --> 00:18:40,480

sachet of medicinal herbs for each

479

00:18:44,390 --> 00:18:41,600

problem

480

00:18:46,710 --> 00:18:44,400

and uh no i just chose the detoxifying

481

00:18:49,110 --> 00:18:46,720

one because i'm like i don't know i

482

00:18:50,549 --> 00:18:49,120

don't have any arthritic problems though

483

00:18:52,549 --> 00:18:50,559

i don't know what a foot steam would do

484

00:18:55,750 --> 00:18:52,559

to help but i don't want to knock it too

485

00:18:57,510 --> 00:18:55,760

much because i honestly did ask

486

00:19:00,150 --> 00:18:57,520

my friends and family there for their

487

00:19:02,390 --> 00:19:00,160

best opinion on what to do and they

488

00:19:04,230 --> 00:19:02,400

showed me the best places so

489

00:19:06,470 --> 00:19:04,240

it was it was a good experience i'm glad

490

00:19:08,390 --> 00:19:06,480

i've tried all these stuff i had a good

491

00:19:10,070 --> 00:19:08,400

time trying except for this it's a very

492

00:19:13,510 --> 00:19:10,080

important point penny because you're

493

00:19:14,950 --> 00:19:13,520

right a lot of people will say to us

494

00:19:16,150 --> 00:19:14,960

when we're talking about something that

495

00:19:17,909 --> 00:19:16,160

we don't

496

00:19:19,510 --> 00:19:17,919

think has much credibility well don't

497

00:19:20,630 --> 00:19:19,520

knock it until you try it ah you haven't

498

00:19:23,350 --> 00:19:20,640

tried it yet you don't know what you're

499

00:19:25,190 --> 00:19:23,360

talking about and now i've i have tried

500

00:19:26,950 --> 00:19:25,200

lots of weird things over the years so

501
00:19:29,190 --> 00:19:26,960
it's good to know that more people like

502
00:19:30,549 --> 00:19:29,200
you are getting out there and even if

503
00:19:33,430 --> 00:19:30,559
even if we think we have this

504
00:19:35,909 --> 00:19:33,440
preconception that it's one thing well

505
00:19:38,230 --> 00:19:35,919
we can say honestly we gave it a shot

506
00:19:39,590 --> 00:19:38,240
and we should try to give these things a

507
00:19:40,630 --> 00:19:39,600
shot with an open mind and see where

508
00:19:43,110 --> 00:19:40,640
they get you

509
00:19:45,909 --> 00:19:43,120
so i'm glad you did that and i hope you

510
00:19:48,150 --> 00:19:45,919
try some more wacky and crazy things

511
00:19:50,230 --> 00:19:48,160
oh i do intend to and one of these days

512
00:19:53,270 --> 00:19:50,240
i'm going to try the cupping i want to

513
00:19:55,029 --> 00:19:53,280

see how dark the bruises can be

514

00:19:56,870 --> 00:19:55,039

oh yeah and about that i was asking my

515

00:19:58,470 --> 00:19:56,880

cousin about that who he's tried it a

516

00:19:59,750 --> 00:19:58,480

lot of times there

517

00:20:02,070 --> 00:19:59,760

and he

518

00:20:03,110 --> 00:20:02,080

said that the darker the bruise the

519

00:20:03,830 --> 00:20:03,120

better

520

00:20:06,230 --> 00:20:03,840

but

521

00:20:08,710 --> 00:20:06,240

what's interesting is that he has

522

00:20:10,390 --> 00:20:08,720

recently taken a very

523

00:20:11,990 --> 00:20:10,400

taken start in taking his health very

524

00:20:13,909 --> 00:20:12,000

seriously and he started actually

525

00:20:14,710 --> 00:20:13,919

exercising so when i was asking him

526
00:20:15,830 --> 00:20:14,720
about

527
00:20:16,870 --> 00:20:15,840
the cupping

528
00:20:18,789 --> 00:20:16,880
he said

529
00:20:22,070 --> 00:20:18,799
well you can try the cupping it's very

530
00:20:25,029 --> 00:20:22,080
good for you he assured me it's good

531
00:20:28,070 --> 00:20:25,039
but don't rely on it if you really want

532
00:20:30,630 --> 00:20:28,080
to get healthy you must exercise and you

533
00:20:33,270 --> 00:20:30,640
must eat healthy don't eat a lot of junk

534
00:20:34,390 --> 00:20:33,280
food don't drink a lot of soda drink tea

535
00:20:36,390 --> 00:20:34,400
drink water

536
00:20:38,549 --> 00:20:36,400
and you know eat lots of leafy green

537
00:20:40,630 --> 00:20:38,559
vegetables and start jogging every day

538
00:20:42,950 --> 00:20:40,640

or do yoga or something

539

00:20:46,549 --> 00:20:42,960

that is even better than the cupping so

540

00:20:47,590 --> 00:20:46,559

i'm glad that he's recommending this

541

00:20:49,590 --> 00:20:47,600

um

542

00:20:51,909 --> 00:20:49,600

you know it's as highly you know that

543

00:20:53,750 --> 00:20:51,919

the healthy lifestyle is just as good as

544

00:20:55,190 --> 00:20:53,760

the cuffing so it's interesting and

545

00:20:57,909 --> 00:20:55,200

which is actually the

546

00:21:00,390 --> 00:20:57,919

mentality of quite a lot of um chinese

547

00:21:01,270 --> 00:21:00,400

people i would say because they do

548

00:21:03,350 --> 00:21:01,280

um

549

00:21:05,830 --> 00:21:03,360

don't try to just rely

550

00:21:07,590 --> 00:21:05,840

on these remedies they

551
00:21:08,710 --> 00:21:07,600
try to rely more on a healthy lifestyle

552
00:21:11,110 --> 00:21:08,720
you know more about preventative

553
00:21:13,270 --> 00:21:11,120
medicine so yeah well i wish more people

554
00:21:14,470 --> 00:21:13,280
in the first world would uh think that

555
00:21:17,029 --> 00:21:14,480
way and

556
00:21:20,310 --> 00:21:17,039
get out there and uh yeah i certainly

557
00:21:23,270 --> 00:21:22,310
do what i can in that respect and i

558
00:21:25,029 --> 00:21:23,280
think it's

559
00:21:26,390 --> 00:21:25,039
good advice no matter what culture

560
00:21:29,430 --> 00:21:26,400
you're in

561
00:21:31,830 --> 00:21:29,440
exactly exactly it was a good lesson

562
00:21:33,830 --> 00:21:31,840
penny what a wonderful treat it is to

563
00:21:36,470 --> 00:21:33,840

catch up and see you again and please

564

00:21:38,710 --> 00:21:36,480

give my best to your dad a good friend

565

00:21:41,430 --> 00:21:38,720

oh i will oh and here's i did want to

566

00:21:44,470 --> 00:21:41,440

give a quick shout out for um susan

567

00:21:46,950 --> 00:21:44,480

gerbic she's told me recently that

568

00:21:50,149 --> 00:21:46,960

there's been a bunch of excellent stuff

569

00:21:52,310 --> 00:21:50,159

recently on the gorilla scepticism front

570

00:21:54,950 --> 00:21:52,320

she asked me to just tell everybody that

571

00:21:56,789 --> 00:21:54,960

go to her blog a lot of stuff's been

572

00:21:59,350 --> 00:21:56,799

happening recently there um they're

573

00:22:00,710 --> 00:21:59,360

still doing their um translate the wiki

574

00:22:02,789 --> 00:22:00,720

pages into

575

00:22:05,270 --> 00:22:02,799

all languages possible it's a great

576

00:22:07,990 --> 00:22:05,280

project yeah a lot of um they have a

577

00:22:10,390 --> 00:22:08,000

very excellent portuguese translator

578

00:22:12,870 --> 00:22:10,400

right now and he's done some great stuff

579

00:22:14,310 --> 00:22:12,880

on the eric von daniken and the indigo

580

00:22:16,390 --> 00:22:14,320

children pages

581

00:22:18,549 --> 00:22:16,400

so check that out well if you speak

582

00:22:20,710 --> 00:22:18,559

portuguese it might be more meaningful

583

00:22:22,549 --> 00:22:20,720

to you but no it's important nonetheless

584

00:22:24,149 --> 00:22:22,559

the dutch and russian

585

00:22:25,909 --> 00:22:24,159

um translators have done some great

586

00:22:27,590 --> 00:22:25,919

stuff recently so check that out

587

00:22:30,230 --> 00:22:27,600

listeners check that out listeners

588

00:22:33,430 --> 00:22:30,240

there'll be a link in this week's show

589

00:22:35,270 --> 00:22:33,440

notes penny chan i hope i hope i hope we

590

00:22:37,990 --> 00:22:35,280

can see each other oh in a couple of

591

00:22:40,789 --> 00:22:38,000

months when uh the amazing meeting rolls

592

00:22:42,789 --> 00:22:40,799

around again oh yes of course

593

00:22:45,029 --> 00:22:42,799

and by that time everybody will know

594

00:22:47,750 --> 00:22:45,039

about uh solar flare

595

00:22:49,750 --> 00:22:47,760

oh look where can't wait

596

00:22:51,029 --> 00:22:49,760

benny jan a penny for your thoughts

597

00:23:03,990 --> 00:22:51,039

thanks very much

598

00:23:09,830 --> 00:23:07,190

greetings skeptics zone listeners

599

00:23:12,710 --> 00:23:09,840

do you know what to do in august come to

600

00:23:14,789 --> 00:23:12,720

stockholm sweden and meet astronaut

601
00:23:17,430 --> 00:23:14,799
chris

602
00:23:20,630 --> 00:23:17,440
activist hayley stevens

603
00:23:23,909 --> 00:23:20,640
stats guru hans

604
00:23:26,870 --> 00:23:23,919
undercover health journalists

605
00:23:28,950 --> 00:23:26,880
and many more at the 15th european

606
00:23:32,549 --> 00:23:28,960
skeptics congress

607
00:23:35,590 --> 00:23:32,559
friday the 23rd to sunday the 25th of

608
00:23:38,230 --> 00:23:35,600
august in stockholm

609
00:23:43,029 --> 00:23:38,240
15th european skeptic's conference

610
00:23:43,039 --> 00:23:58,950
www.euroskepticscon.org

611
00:24:03,430 --> 00:24:01,190
my father only spoke to me twice in my

612
00:24:06,149 --> 00:24:03,440
entire life

613
00:24:08,390 --> 00:24:06,159

perhaps it was because i was

614

00:24:11,990 --> 00:24:08,400

born out of wedlock

615

00:24:15,430 --> 00:24:14,230

i didn't go to school

616

00:24:16,830 --> 00:24:15,440

i had

617

00:24:19,830 --> 00:24:16,840

free time to

618

00:24:21,029 --> 00:24:19,840

myself so i went in to see a vaudeville

619

00:24:23,830 --> 00:24:21,039

show with

620

00:24:25,990 --> 00:24:23,840

harry blackstone

621

00:24:46,470 --> 00:24:26,000

i saw him actually

622

00:24:52,230 --> 00:24:49,990

sunday monday happy days hey who is the

623

00:24:59,269 --> 00:24:52,240

amazing randy

624

00:25:02,390 --> 00:25:00,950

randy is an honest liar he says he's

625

00:25:03,350 --> 00:25:02,400

going to deceive you and then he does

626

00:25:04,950 --> 00:25:03,360

i'm not going to tell you i have

627

00:25:06,549 --> 00:25:04,960

supernatural powers i'm going to tell

628

00:25:09,029 --> 00:25:06,559

you i'm totally normal which actually

629

00:25:12,070 --> 00:25:09,039

makes it more exciting he has managed to

630

00:25:15,110 --> 00:25:12,080

span several different worlds it's not

631

00:25:17,669 --> 00:25:15,120

always the same thing he was a world

632

00:25:19,029 --> 00:25:17,679

famous magician he was really a kind of

633

00:25:20,870 --> 00:25:19,039

superman

634

00:25:23,269 --> 00:25:20,880

escapes from straight jackets from

635

00:25:25,190 --> 00:25:23,279

burning rooms over niagara falls buried

636

00:25:30,310 --> 00:25:25,200

under the icy beak houdini's record of

637

00:25:33,909 --> 00:25:31,830

miranda you've been going around the

638

00:25:36,230 --> 00:25:33,919

country somewhat as houdini used to in

639

00:25:38,310 --> 00:25:36,240

the past trying to debunk those who say

640

00:25:41,110 --> 00:25:38,320

that it's psychic power you say it's

641

00:25:43,669 --> 00:25:41,120

magic people like randy are doing a huge

642

00:25:46,149 --> 00:25:43,679

service by unmasking these fakes

643

00:25:48,390 --> 00:25:46,159

mountebanks and charlatans what you need

644

00:25:50,470 --> 00:25:48,400

is something who is an expert deceiver

645

00:25:52,789 --> 00:25:50,480

in his own right the great trinity of

646

00:25:55,430 --> 00:25:52,799

magic skepticism and science

647

00:25:57,909 --> 00:25:55,440

i had not fully appreciated until i saw

648

00:25:59,669 --> 00:25:57,919

james randy do his routines and i saw

649

00:26:04,149 --> 00:25:59,679

him on the tonight show when he did the

650

00:26:07,430 --> 00:26:05,830

pop-off who was allegedly hearing the

651
00:26:09,029 --> 00:26:07,440
voice of god and he'd go around his

652
00:26:10,390 --> 00:26:09,039
congregation and tell people amazing

653
00:26:12,710 --> 00:26:10,400
things about themselves you've got

654
00:26:14,549 --> 00:26:12,720
cancer of the stomach

655
00:26:16,630 --> 00:26:14,559
are you ready for god to burn that

656
00:26:18,230 --> 00:26:16,640
cancer out

657
00:26:20,149 --> 00:26:18,240
he had them come out of the audience and

658
00:26:22,310 --> 00:26:20,159
throw their pills up on stage throw them

659
00:26:24,870 --> 00:26:22,320
up there and we discovered that the man

660
00:26:27,029 --> 00:26:24,880
was wearing of all things a hearing aid

661
00:26:28,310 --> 00:26:27,039
in his left ear the man who heals the

662
00:26:29,750 --> 00:26:28,320
deaf and the blind isn't going to have

663
00:26:31,510 --> 00:26:29,760

much use for a hearing aid one would

664

00:26:33,510 --> 00:26:31,520

think we discovered that someone is

665

00:26:36,070 --> 00:26:33,520

sitting at a transmitter backstage who

666

00:26:38,310 --> 00:26:36,080

is harold what randy did was to tune

667

00:26:43,870 --> 00:26:38,320

into the same frequency and that allowed

668

00:26:48,789 --> 00:26:46,789

4267 masterson i can see the angels of

669

00:26:51,190 --> 00:26:48,799

god all around your house that's

670

00:26:54,789 --> 00:26:51,200

disturbing when you see it he breaks

671

00:26:57,190 --> 00:26:54,799

down the people he's he's uncovered as

672

00:26:58,870 --> 00:26:57,200

as to as tight a degree as he can

673

00:27:00,950 --> 00:26:58,880

showing all their methodologies and all

674

00:27:02,870 --> 00:27:00,960

of their tricks up to your old tricks i

675

00:27:05,350 --> 00:27:02,880

see why not

676
00:27:07,029 --> 00:27:05,360
i'm a charlatan this ability to figure

677
00:27:09,909 --> 00:27:07,039
out when someone's trying to fool you is

678
00:27:11,750 --> 00:27:09,919
of enormous value and james randy is

679
00:27:24,630 --> 00:27:11,760
the past master perhaps the world's

680
00:27:29,269 --> 00:27:27,029
the solution is rather simple

681
00:27:31,029 --> 00:27:29,279
all of these people who say that they

682
00:27:34,710 --> 00:27:31,039
can speak with the dead

683
00:27:34,720 --> 00:27:38,710
oh no that doesn't come out

684
00:27:44,470 --> 00:27:41,590
i just ingested six and a half days

685
00:27:46,830 --> 00:27:44,480
worth of homeopathic sleeping pills

686
00:27:49,990 --> 00:27:46,840
do you believe in god uh which

687
00:27:51,590 --> 00:27:50,000
god thor any dog any guy no no i don't i

688
00:27:53,669 --> 00:27:51,600

don't have compelling evidence that

689

00:27:55,110 --> 00:27:53,679

convinces me there is a deity gee i bet

690

00:27:56,710 --> 00:27:55,120

you don't believe in the tooth fairy or

691

00:28:00,630 --> 00:27:56,720

santa claus either well i'm looking into

692

00:28:04,710 --> 00:28:03,430

this is what i call home now

693

00:28:06,470 --> 00:28:04,720

and uh

694

00:28:08,230 --> 00:28:06,480

i'm rather pleased with it rather please

695

00:28:11,190 --> 00:28:08,240

let the neighbors are across the canal

696

00:28:14,230 --> 00:28:11,200

so i'm sufficiently separated and

697

00:28:17,190 --> 00:28:14,240

they're very very happy about that too

698

00:28:19,430 --> 00:28:17,200

our pal james randy scanned us out of

699

00:28:21,830 --> 00:28:19,440

lunch quite a few times here's how he

700

00:28:23,990 --> 00:28:21,840

did it randy i had never considered the

701

00:28:25,750 --> 00:28:24,000

possibility that magic could be done

702

00:28:27,830 --> 00:28:25,760

morally you didn't have to lie to do

703

00:28:29,430 --> 00:28:27,840

magic was a brand new idea yeah i have

704

00:28:32,149 --> 00:28:29,440

said many times i don't mind saying no

705

00:28:34,389 --> 00:28:32,159

better tell her he is the most lovable

706

00:28:37,750 --> 00:28:34,399

evonkular are we there yet are we there

707

00:28:40,470 --> 00:28:37,760

yet gracious and generous

708

00:28:42,470 --> 00:28:40,480

sweet granddad which reminds me when i

709

00:28:44,789 --> 00:28:42,480

toured with alice cooper and yet he

710

00:28:46,789 --> 00:28:44,799

pulls no punches when talking about his

711

00:28:49,110 --> 00:28:46,799

life's work see i've always had my

712

00:28:51,269 --> 00:28:49,120

battle with the psychics people who are

713

00:28:53,110 --> 00:28:51,279

stealing money from the public magicians

714

00:28:54,789 --> 00:28:53,120

don't lie to people magicians are the

715

00:28:56,310 --> 00:28:54,799

most honest people in the world they

716

00:28:59,669 --> 00:28:56,320

tell you they're going to fool you and

717

00:29:01,590 --> 00:28:59,679

then they do it lies

718

00:29:03,669 --> 00:29:01,600

tell it by the fireside or the

719

00:29:06,549 --> 00:29:03,679

marketplace or in a movie

720

00:29:13,430 --> 00:29:06,559

almost any story is almost certainly

721

00:29:20,230 --> 00:29:18,389

an honest liar the amazing randy story

722

00:29:23,990 --> 00:29:20,240

for more information and to help this

723

00:29:25,830 --> 00:29:24,000

worthwhile project visit www

724

00:29:41,909 --> 00:29:25,840

dot and

725

00:29:47,110 --> 00:29:44,070

the skeptic magazine the journal from

726

00:29:49,269 --> 00:29:47,120

australian skeptics subscribe online to

727

00:29:54,070 --> 00:29:49,279

the world's second oldest skeptical

728

00:30:00,630 --> 00:29:56,870

and click the publications link

729

00:30:03,430 --> 00:30:00,640

you can also find there over 30 years of

730

00:30:06,149 --> 00:30:03,440

back issues free to download

731

00:30:16,310 --> 00:30:06,159

the skeptic the magazine from australian

732

00:30:24,310 --> 00:30:20,470

here's maynard's spooky action

733

00:30:27,750 --> 00:30:26,149

look we're in the usual skeptic zone

734

00:30:29,510 --> 00:30:27,760

studio that we use here when we're at

735

00:30:31,029 --> 00:30:29,520

skeptics in the pub the basically the

736

00:30:32,630 --> 00:30:31,039

hallway with a bit of carpet with our

737

00:30:34,310 --> 00:30:32,640

special guest who've we got this week

738

00:30:36,230 --> 00:30:34,320

hey i'm ben from physics education how

739

00:30:37,510 --> 00:30:36,240

you doing look ben i just came in at the

740

00:30:39,510 --> 00:30:37,520

end of it there because like you know i

741

00:30:41,350 --> 00:30:39,520

race away from work and i saw you

742

00:30:43,750 --> 00:30:41,360

tipping water upside down and doing all

743

00:30:45,669 --> 00:30:43,760

sorts of things and explaining how kids

744

00:30:46,950 --> 00:30:45,679

just don't believe you they they they

745

00:30:48,310 --> 00:30:46,960

almost think there's a bit of magic

746

00:30:51,029 --> 00:30:48,320

going on sometimes when you try and

747

00:30:53,350 --> 00:30:51,039

teach them stuff yeah i mean

748

00:30:54,630 --> 00:30:53,360

having mad magic um as they come in oh

749

00:30:55,590 --> 00:30:54,640

hang on we've got plates of dinner

750

00:30:56,950 --> 00:30:55,600

coming through it's all good now you're

751
00:30:58,950 --> 00:30:56,960
fine this happens every time we record

752
00:31:00,950 --> 00:30:58,960
here all right it just makes me hungry

753
00:31:03,110 --> 00:31:00,960
that's good um now look it's

754
00:31:05,269 --> 00:31:03,120
it's quite okay for kids to in you know

755
00:31:06,710 --> 00:31:05,279
believe in magic in some ways but i also

756
00:31:08,230 --> 00:31:06,720
want to think about just the rational

757
00:31:10,630 --> 00:31:08,240
ideas of science as well and so if

758
00:31:12,149 --> 00:31:10,640
anything it provides a talking point and

759
00:31:13,669 --> 00:31:12,159
where do you think they get the idea

760
00:31:15,029 --> 00:31:13,679
from magic from is it something that's

761
00:31:16,549 --> 00:31:15,039
innate in kids because they love to

762
00:31:19,110 --> 00:31:16,559
dream and imagine or is it something

763
00:31:21,430 --> 00:31:19,120

that's brought to by books harry potter

764

00:31:22,950 --> 00:31:21,440

or television like and yeah or do you

765

00:31:24,950 --> 00:31:22,960

think it's just innate like even if

766

00:31:26,950 --> 00:31:24,960

there was no outside stimulus they would

767

00:31:28,950 --> 00:31:26,960

invent little magical things yeah it's

768

00:31:30,149 --> 00:31:28,960

part of growing up imagination is a key

769

00:31:31,750 --> 00:31:30,159

as part of the

770

00:31:32,950 --> 00:31:31,760

growth of their brain i reckon it would

771

00:31:34,389 --> 00:31:32,960

definitely exist put them in a white

772

00:31:35,830 --> 00:31:34,399

room they still think of things

773

00:31:37,750 --> 00:31:35,840

interesting and what's the one that's

774

00:31:40,470 --> 00:31:37,760

hardest for you to dispel you're trying

775

00:31:42,630 --> 00:31:40,480

to teach physics which for me physics is

776

00:31:44,230 --> 00:31:42,640

really hard maths for me because once

777

00:31:45,830 --> 00:31:44,240

you get into the quadratic equations and

778

00:31:48,549 --> 00:31:45,840

things like that that's actually where i

779

00:31:49,990 --> 00:31:48,559

lost my love of science when mathematics

780

00:31:51,430 --> 00:31:50,000

became involved that it became very

781

00:31:52,870 --> 00:31:51,440

difficult for me

782

00:31:55,190 --> 00:31:52,880

yeah it's kind of like trying to sing

783

00:31:57,590 --> 00:31:55,200

you're single down on just one thing ah

784

00:31:59,110 --> 00:31:57,600

geez hardest one to dispel i mean being

785

00:32:01,350 --> 00:31:59,120

put on the spot i would like to think of

786

00:32:03,430 --> 00:32:01,360

it more i think it's a collection i mean

787

00:32:05,830 --> 00:32:03,440

there's all sorts of things i mean i

788

00:32:08,389 --> 00:32:05,840

didn't mention before people

789

00:32:09,509 --> 00:32:08,399

hang on to taste buds being

790

00:32:11,509 --> 00:32:09,519

they're different parts of your tongue

791

00:32:13,350 --> 00:32:11,519

being sweet savoury sour they can taste

792

00:32:15,590 --> 00:32:13,360

certain things bitter and whatnot and

793

00:32:18,230 --> 00:32:15,600

it's in complete fabrication based on a

794

00:32:20,230 --> 00:32:18,240

poor translation of a journal um from

795

00:32:22,470 --> 00:32:20,240

about 1908 or 904 i can't remember right

796

00:32:23,590 --> 00:32:22,480

now but the idea was is that this

797

00:32:24,789 --> 00:32:23,600

particular

798

00:32:26,149 --> 00:32:24,799

thing that you have an area of the

799

00:32:28,070 --> 00:32:26,159

tongue that only does sweet and that

800

00:32:29,269 --> 00:32:28,080

only try it put salt sweet and sour

801
00:32:31,669 --> 00:32:29,279
stuff on the tip your tongue guarantee

802
00:32:33,350 --> 00:32:31,679
you'll taste it every single time

803
00:32:35,190 --> 00:32:33,360
it's put in primary science textbooks

804
00:32:37,190 --> 00:32:35,200
the old ones because it was a bad

805
00:32:39,110 --> 00:32:37,200
translation which was then

806
00:32:41,190 --> 00:32:39,120
replicated over and over and over and

807
00:32:42,389 --> 00:32:41,200
over again and when we teach the schools

808
00:32:43,909 --> 00:32:42,399
we actually get the teacher kind of put

809
00:32:45,909 --> 00:32:43,919
in a funny situation because they've

810
00:32:48,230 --> 00:32:45,919
actually gone and taught that thing and

811
00:32:49,669 --> 00:32:48,240
usually they will say to us hey we've

812
00:32:51,269 --> 00:32:49,679
done this taste test experiment thing

813
00:32:52,549 --> 00:32:51,279

i'm telling you now i can't get it to

814

00:32:53,909 --> 00:32:52,559

work and i go you know why because it

815

00:32:56,630 --> 00:32:53,919

doesn't work

816

00:32:58,149 --> 00:32:56,640

and that's the thing it's um so it's oh

817

00:32:59,430 --> 00:32:58,159

i mean it's really easy to dispel

818

00:33:01,029 --> 00:32:59,440

because you just get some sugar some

819

00:33:01,990 --> 00:33:01,039

salt and some citric acid and you put on

820

00:33:05,590 --> 00:33:02,000

different parts of your tongue i

821

00:33:07,590 --> 00:33:05,600

guarantee you'll taste it on each spot

822

00:33:09,509 --> 00:33:07,600

but they don't let that they ignore

823

00:33:11,029 --> 00:33:09,519

their observations in in the face of

824

00:33:12,630 --> 00:33:11,039

what they're reading in the book or the

825

00:33:15,190 --> 00:33:12,640

dogma in

826

00:33:17,190 --> 00:33:15,200

the science teaching of the school so

827

00:33:18,630 --> 00:33:17,200

that it's easy as to get rid of the myth

828

00:33:20,389 --> 00:33:18,640

but just okay that just popped in my

829

00:33:22,070 --> 00:33:20,399

brain but just show for me it just shows

830

00:33:23,590 --> 00:33:22,080

there are many things out there that we

831

00:33:26,149 --> 00:33:23,600

take for granted that may not be true

832

00:33:27,590 --> 00:33:26,159

and like i said with me the the the

833

00:33:29,350 --> 00:33:27,600

difficulty with mathematics is what

834

00:33:30,789 --> 00:33:29,360

killed my enjoyment of physics and

835

00:33:32,149 --> 00:33:30,799

chemistry i remember the one specific

836

00:33:34,310 --> 00:33:32,159

thing about chemistry that killed my

837

00:33:36,470 --> 00:33:34,320

interest in that science was getting my

838

00:33:38,149 --> 00:33:36,480

head around valency levels there was

839

00:33:39,509 --> 00:33:38,159

something about valencia levels in

840

00:33:40,789 --> 00:33:39,519

chemistry when they were teaching it to

841

00:33:42,950 --> 00:33:40,799

me again probably because that's a

842

00:33:44,630 --> 00:33:42,960

little bit mathematics like to me and

843

00:33:46,789 --> 00:33:44,640

that's what killed it for me and what is

844

00:33:48,710 --> 00:33:46,799

it that the thing with kids you see at

845

00:33:50,389 --> 00:33:48,720

the younger age that makes them get a

846

00:33:51,909 --> 00:33:50,399

disconnect with science and go on that's

847

00:33:53,509 --> 00:33:51,919

a bit hard you know what i think they're

848

00:33:55,269 --> 00:33:53,519

fine until about year six i think the

849

00:33:57,509 --> 00:33:55,279

issue is is that people try and make it

850

00:33:59,509 --> 00:33:57,519

too complicated um rather than just

851
00:34:00,710 --> 00:33:59,519
teaching for the innate you know just

852
00:34:02,630 --> 00:34:00,720
what's actually occurring in this

853
00:34:04,710 --> 00:34:02,640
experiment um i think the scientific

854
00:34:05,830 --> 00:34:04,720
method needs to be embedded right on

855
00:34:07,350 --> 00:34:05,840
early like i didn't care for that

856
00:34:10,629 --> 00:34:07,360
preschool it doesn't matter you can

857
00:34:12,149 --> 00:34:10,639
teach it we do teach it as that um but

858
00:34:13,829 --> 00:34:12,159
the thing is is that when they hit year

859
00:34:14,710 --> 00:34:13,839
seven and this is what does turn kids

860
00:34:17,190 --> 00:34:14,720
off for science there's plenty of

861
00:34:18,389 --> 00:34:17,200
journal articles supporting this

862
00:34:19,349 --> 00:34:18,399
the job of a science teacher is the

863
00:34:21,349 --> 00:34:19,359

first

864

00:34:23,270 --> 00:34:21,359

is to give them the safety rules is

865

00:34:24,389 --> 00:34:23,280

critical you've got to do it um you also

866

00:34:25,829 --> 00:34:24,399

have to go through what the scientific

867

00:34:27,909 --> 00:34:25,839

method is and these kids think they're

868

00:34:29,270 --> 00:34:27,919

coming from having watched cartoons or

869

00:34:31,190 --> 00:34:29,280

the stories about what might happen in a

870

00:34:32,950 --> 00:34:31,200

high school science lab and now they're

871

00:34:34,790 --> 00:34:32,960

boiling water

872

00:34:36,869 --> 00:34:34,800

and now they're doing something simple

873

00:34:38,950 --> 00:34:36,879

with paper and something else it's not

874

00:34:40,470 --> 00:34:38,960

the slime and explosions and the mad

875

00:34:41,510 --> 00:34:40,480

science they really truly thought was

876

00:34:42,869 --> 00:34:41,520

going to happen because you've got a

877

00:34:45,270 --> 00:34:42,879

rational science teacher try and teach

878

00:34:48,389 --> 00:34:45,280

them the scientific method and so

879

00:34:51,109 --> 00:34:48,399

they're given a myth which doesn't occur

880

00:34:53,109 --> 00:34:51,119

in high school and so yeah i know and

881

00:34:55,030 --> 00:34:53,119

then do you think um some of the popular

882

00:34:57,190 --> 00:34:55,040

science shows even even the good ones

883

00:34:59,270 --> 00:34:57,200

like bango's the theory and mythbusters

884

00:35:00,870 --> 00:34:59,280

uh sort of panda that a bit because

885

00:35:02,470 --> 00:35:00,880

they're almost always blowing things up

886

00:35:04,230 --> 00:35:02,480

because that's good on tv and that is

887

00:35:05,589 --> 00:35:04,240

indeed part of physics but people might

888

00:35:07,030 --> 00:35:05,599

come to expect a little bit much out of

889

00:35:08,310 --> 00:35:07,040

high school physics you know it's really

890

00:35:09,990 --> 00:35:08,320

tough because as a teacher you've got to

891

00:35:12,069 --> 00:35:10,000

be an entertainer too otherwise you lose

892

00:35:13,349 --> 00:35:12,079

your audience which is your kids

893

00:35:14,870 --> 00:35:13,359

now

894

00:35:16,470 --> 00:35:14,880

you kind of have to propagate some of

895

00:35:18,150 --> 00:35:16,480

that myth because you want to make it

896

00:35:19,030 --> 00:35:18,160

interesting and make it lively and all

897

00:35:21,430 --> 00:35:19,040

the rest

898

00:35:23,190 --> 00:35:21,440

some kids need that myth around it to

899

00:35:25,030 --> 00:35:23,200

keep them engaged whereas other kids

900

00:35:25,990 --> 00:35:25,040

like it for the innate beauty of what's

901
00:35:27,589 --> 00:35:26,000
going on from the sun from the

902
00:35:29,750 --> 00:35:27,599
scientific point of view

903
00:35:33,349 --> 00:35:29,760
and so yeah when you see things in

904
00:35:35,030 --> 00:35:33,359
sitcoms and whatnot of course

905
00:35:37,349 --> 00:35:35,040
propelling the idea of a mad scientist

906
00:35:39,430 --> 00:35:37,359
is a classic example and annoys a lot of

907
00:35:40,790 --> 00:35:39,440
really high-end scientists about this it

908
00:35:42,630 --> 00:35:40,800
really does

909
00:35:44,470 --> 00:35:42,640
but the reality is that

910
00:35:47,190 --> 00:35:44,480
these kids believe this and you know

911
00:35:48,550 --> 00:35:47,200
what it's it's it's tough but if that

912
00:35:50,150 --> 00:35:48,560
means you get just a little bit more

913
00:35:51,990 --> 00:35:50,160

interested to listen to you about how

914

00:35:53,270 --> 00:35:52,000

the world works you'll use it a little

915

00:35:55,510 --> 00:35:53,280

bit and then you get rid of that myth

916

00:35:57,910 --> 00:35:55,520

later now for our american listeners who

917

00:36:00,550 --> 00:35:57,920

their educators in some states on a

918

00:36:02,150 --> 00:36:00,560

daily basis have to have a a debate with

919

00:36:03,990 --> 00:36:02,160

creationists and there's pressure to put

920

00:36:05,990 --> 00:36:04,000

that into the school books is there

921

00:36:07,510 --> 00:36:06,000

anything like that in australia in this

922

00:36:08,870 --> 00:36:07,520

country in any of the educational

923

00:36:10,310 --> 00:36:08,880

curriculums

924

00:36:11,670 --> 00:36:10,320

all right so the curriculum set by the

925

00:36:14,390 --> 00:36:11,680

board of studies of new south wales

926
00:36:16,470 --> 00:36:14,400
which is a state in australia now um you

927
00:36:18,390 --> 00:36:16,480
know teachers thou shalt follow that to

928
00:36:20,470 --> 00:36:18,400
the book you have to do it i mean and

929
00:36:22,230 --> 00:36:20,480
the reality is though there's also

930
00:36:23,910 --> 00:36:22,240
islamic schools there are christian

931
00:36:27,349 --> 00:36:23,920
schools there are schools of many faiths

932
00:36:29,030 --> 00:36:27,359
and they are allowed by process to teach

933
00:36:30,870 --> 00:36:29,040
their faith their religious school now

934
00:36:32,150 --> 00:36:30,880
would catholic schools because they'd be

935
00:36:33,829 --> 00:36:32,160
one of the major private ones in

936
00:36:35,670 --> 00:36:33,839
australia would they be able to teach

937
00:36:36,870 --> 00:36:35,680
creationism yes now they have to teach

938
00:36:38,870 --> 00:36:36,880

science alongside it because it's part

939

00:36:40,470 --> 00:36:38,880

of the syllabus and so the job of a

940

00:36:41,910 --> 00:36:40,480

science teacher in an organization like

941

00:36:44,630 --> 00:36:41,920

that is to say

942

00:36:46,710 --> 00:36:44,640

here is a theory and evolution's a

943

00:36:47,829 --> 00:36:46,720

theory is held up by evidence however

944

00:36:50,150 --> 00:36:47,839

it's still called a theory because it's

945

00:36:52,069 --> 00:36:50,160

not an outright law yet

946

00:36:54,150 --> 00:36:52,079

to the nth degree and it's the same

947

00:36:56,870 --> 00:36:54,160

thing with big bang theory and whatnot

948

00:36:57,990 --> 00:36:56,880

and so you given the evidence say this

949

00:36:59,109 --> 00:36:58,000

is a the good thing about this

950

00:37:01,109 --> 00:36:59,119

particular theory is that it's

951
00:37:03,430 --> 00:37:01,119
measurable and here are the evidence

952
00:37:06,150 --> 00:37:03,440
points and so you have to and there's

953
00:37:07,829 --> 00:37:06,160
actually a job as a teacher to say here

954
00:37:09,510 --> 00:37:07,839
okay i'm in a science room we're going

955
00:37:11,750 --> 00:37:09,520
to teach the scientific view of how the

956
00:37:13,109 --> 00:37:11,760
world works here is when he's talking

957
00:37:14,150 --> 00:37:13,119
about the law of thermodynamics you say

958
00:37:15,990 --> 00:37:14,160
it's a law and this is how it's going to

959
00:37:17,190 --> 00:37:16,000
be there's how it works and the key can

960
00:37:19,750 --> 00:37:17,200
say it could be god or whatever he wants

961
00:37:21,829 --> 00:37:19,760
to think now the um

962
00:37:23,430 --> 00:37:21,839
when it comes to creation or evolution

963
00:37:25,829 --> 00:37:23,440

or revolution all those sort of debates

964

00:37:27,990 --> 00:37:25,839

say you say this is the scientific

965

00:37:29,670 --> 00:37:28,000

headspace that we're coming from here

966

00:37:32,470 --> 00:37:29,680

are the evidence points you make your

967

00:37:34,310 --> 00:37:32,480

own rational thought around this and

968

00:37:35,990 --> 00:37:34,320

we leave it at that because you can't

969

00:37:37,750 --> 00:37:36,000

say it's a law yet they tell you what

970

00:37:38,950 --> 00:37:37,760

you say geez a pretty good theory

971

00:37:39,670 --> 00:37:38,960

because here are the points that are

972

00:37:41,510 --> 00:37:39,680

pretty

973

00:37:42,950 --> 00:37:41,520

almost irrefutable but you still call it

974

00:37:44,470 --> 00:37:42,960

a theory because scientists haven't

975

00:37:46,150 --> 00:37:44,480

called it a law yet

976
00:37:47,910 --> 00:37:46,160
now your job would be one of the most

977
00:37:49,829 --> 00:37:47,920
difficult ones on the planet any

978
00:37:51,670 --> 00:37:49,839
educator has a difficult job from time

979
00:37:53,349 --> 00:37:51,680
to time and i always like when i'm

980
00:37:54,870 --> 00:37:53,359
interviewing people to ask them about

981
00:37:56,630 --> 00:37:54,880
something everybody that can take who

982
00:37:58,390 --> 00:37:56,640
doesn't do your job something to help

983
00:38:00,069 --> 00:37:58,400
them through their everyday work so when

984
00:38:02,069 --> 00:38:00,079
things are tough for you when you've got

985
00:38:03,910 --> 00:38:02,079
a hard point getting the point across

986
00:38:05,829 --> 00:38:03,920
when the kids are mucking up when it's a

987
00:38:07,670 --> 00:38:05,839
hot day when the air conditions broken

988
00:38:08,870 --> 00:38:07,680

in the classroom that was built in 1950s

989

00:38:11,829 --> 00:38:08,880

and it was supposed to be a demandable

990

00:38:13,910 --> 00:38:11,839

classroom back then how the hell to

991

00:38:16,069 --> 00:38:13,920

invoke a biblical reference there do you

992

00:38:17,589 --> 00:38:16,079

get through the day and and through the

993

00:38:19,349 --> 00:38:17,599

class and get it across to the kids i

994

00:38:20,790 --> 00:38:19,359

mean where do you dig down to i mean

995

00:38:22,630 --> 00:38:20,800

like athletes have a special place they

996

00:38:23,910 --> 00:38:22,640

dig down to to make it across the line

997

00:38:25,109 --> 00:38:23,920

how do you do that as an educator

998

00:38:26,310 --> 00:38:25,119

because it's not you you've got to bring

999

00:38:28,069 --> 00:38:26,320

across the line you've got to bring

1000

00:38:32,790 --> 00:38:28,079

these 30 kids with you

1001
00:38:36,390 --> 00:38:35,030
what's in a bag of tricks of an educator

1002
00:38:37,910 --> 00:38:36,400
well i mean i've actually been thinking

1003
00:38:39,910 --> 00:38:37,920
that casual science teachers should

1004
00:38:41,670 --> 00:38:39,920
actually have a box with just some stuff

1005
00:38:43,270 --> 00:38:41,680
which is pencils straws stringing

1006
00:38:45,589 --> 00:38:43,280
balloons and some simple things there's

1007
00:38:46,870 --> 00:38:45,599
a go-to box when they

1008
00:38:48,630 --> 00:38:46,880
so they could just drop it in some water

1009
00:38:50,069 --> 00:38:48,640
hey kids don't go like that yeah it's a

1010
00:38:52,069 --> 00:38:50,079
bit of a yeah they won't let you do that

1011
00:38:54,630 --> 00:38:52,079
anymore

1012
00:38:56,950 --> 00:38:54,640
but the um yeah the um the yeah you

1013
00:38:58,790 --> 00:38:56,960

should have some you know hold back some

1014

00:39:00,150 --> 00:38:58,800

experiments that you don't want to do

1015

00:39:01,750 --> 00:39:00,160

unless it's one of those days that's

1016

00:39:03,670 --> 00:39:01,760

what you do and you know what you just

1017

00:39:06,790 --> 00:39:03,680

have to step up simple as that i mean if

1018

00:39:08,550 --> 00:39:06,800

you're just imagine if you're a uh a a

1019

00:39:10,069 --> 00:39:08,560

neurosurgeon and you're having a bad day

1020

00:39:11,750 --> 00:39:10,079

whatever's going on and the last thing

1021

00:39:13,670 --> 00:39:11,760

you want to be doing i mean yeah you

1022

00:39:15,430 --> 00:39:13,680

know you're gonna you're gonna have to

1023

00:39:16,790 --> 00:39:15,440

step up and that's no choice and so

1024

00:39:18,950 --> 00:39:16,800

there's a thing so you've got a class of

1025

00:39:20,470 --> 00:39:18,960

30 kids there some of them recalcitrant

1026
00:39:21,829 --> 00:39:20,480
that's going to be the case and some are

1027
00:39:23,589 --> 00:39:21,839
going to be loving what you're doing but

1028
00:39:25,270 --> 00:39:23,599
on a tough day it is a tough day and you

1029
00:39:27,030 --> 00:39:25,280
accept it and you and you choose an

1030
00:39:28,310 --> 00:39:27,040
experiment which it might be off topic

1031
00:39:30,069 --> 00:39:28,320
for a little bit but what's what the hey

1032
00:39:31,829 --> 00:39:30,079
i mean you've got five minutes what what

1033
00:39:33,349 --> 00:39:31,839
what the harm is it going outside on a

1034
00:39:35,510 --> 00:39:33,359
hot windy day and doing some bottle

1035
00:39:36,950 --> 00:39:35,520
rockets water rockets because you know

1036
00:39:38,310 --> 00:39:36,960
they're going to like it

1037
00:39:39,270 --> 00:39:38,320
but you know you're off topic for a

1038
00:39:41,030 --> 00:39:39,280

little while but guess what they'll

1039

00:39:42,390 --> 00:39:41,040

listen to you again

1040

00:39:44,550 --> 00:39:42,400

and do you think it's a good thing to

1041

00:39:46,470 --> 00:39:44,560

have um animals in the classroom not

1042

00:39:48,630 --> 00:39:46,480

like have the the guinea pig or have the

1043

00:39:50,630 --> 00:39:48,640

rat that that's in the classroom that

1044

00:39:52,390 --> 00:39:50,640

the kids keep or look after i think that

1045

00:39:53,750 --> 00:39:52,400

teaches them about life and about the

1046

00:39:54,870 --> 00:39:53,760

life cycle of animals that everything

1047

00:39:56,150 --> 00:39:54,880

lives and dies do you think that's a

1048

00:39:57,829 --> 00:39:56,160

helpful thing or it can be a bit

1049

00:39:59,190 --> 00:39:57,839

distressing when the animal sometimes

1050

00:40:01,030 --> 00:39:59,200

[h__\h] it all right now i know you're

1051

00:40:02,550 --> 00:40:01,040

going there um yeah it's i i think

1052

00:40:04,069 --> 00:40:02,560

that's actually a good idea i mean some

1053

00:40:05,670 --> 00:40:04,079

kids actually have never seen a seed

1054

00:40:07,430 --> 00:40:05,680

grow some kids have never seen a chicken

1055

00:40:09,589 --> 00:40:07,440

hatch out of an egg

1056

00:40:11,349 --> 00:40:09,599

and now having that around is not a bad

1057

00:40:12,710 --> 00:40:11,359

idea as long as they treat you humanely

1058

00:40:14,230 --> 00:40:12,720

and when they die they die and if they

1059

00:40:16,230 --> 00:40:14,240

need help they need help from a

1060

00:40:17,510 --> 00:40:16,240

veterinary point of view absolutely but

1061

00:40:18,710 --> 00:40:17,520

it is a cycle of life they're going to

1062

00:40:21,589 --> 00:40:18,720

be exposed to anyway you might as well

1063

00:40:23,510 --> 00:40:21,599

be exposed to it with a guide

1064

00:40:25,670 --> 00:40:23,520

and one last question always like asking

1065

00:40:27,510 --> 00:40:25,680

this one what do you reckon musically is

1066

00:40:29,030 --> 00:40:27,520

the best thing to introduce kids to uh

1067

00:40:30,630 --> 00:40:29,040

science is there i mean they might be

1068

00:40:33,270 --> 00:40:30,640

giants had that great science album that

1069

00:40:34,630 --> 00:40:33,280

everyone loves quoting say that yeah i i

1070

00:40:35,990 --> 00:40:34,640

i think i think here comes science was

1071

00:40:37,670 --> 00:40:36,000

the name

1072

00:40:39,750 --> 00:40:37,680

uh yeah well guess what that was the one

1073

00:40:41,349 --> 00:40:39,760

i was gonna go to um nothing wrong with

1074

00:40:42,710 --> 00:40:41,359

that but you know what i mean there's

1075

00:40:44,310 --> 00:40:42,720

all the studies even like my little

1076

00:40:46,870 --> 00:40:44,320

daughter was a premature baby and

1077

00:40:48,710 --> 00:40:46,880

they've had studies in israel about the

1078

00:40:49,829 --> 00:40:48,720

effect of growth development with mozart

1079

00:40:51,430 --> 00:40:49,839

or was a beethoven one of the two

1080

00:40:53,030 --> 00:40:51,440

playing look you know anything with a

1081

00:40:56,069 --> 00:40:53,040

melody and a rhythm

1082

00:40:57,510 --> 00:40:56,079

um can help mathematical ability i mean

1083

00:40:59,270 --> 00:40:57,520

well you'd be talking bacon there the

1084

00:41:00,710 --> 00:40:59,280

work of kevin bacon with footloose

1085

00:41:01,990 --> 00:41:00,720

that's what you'd be talking about there

1086

00:41:03,829 --> 00:41:02,000

oh i know if it gets the kid to shake

1087

00:41:05,349 --> 00:41:03,839

their hips all good

1088

00:41:07,190 --> 00:41:05,359

but i'm looking it's and there's a

1089

00:41:08,309 --> 00:41:07,200

multitude i mean from every different

1090

00:41:09,670 --> 00:41:08,319

culture there'd be something in there

1091

00:41:11,910 --> 00:41:09,680

that's good for them if it stimulates

1092

00:41:13,270 --> 00:41:11,920

their brain and allows them to you know

1093

00:41:14,790 --> 00:41:13,280

increase their cognitive function happy

1094

00:41:16,390 --> 00:41:14,800

days and

1095

00:41:18,390 --> 00:41:16,400

lastly what's a good website that we can

1096

00:41:19,750 --> 00:41:18,400

go to that's good for education good for

1097

00:41:21,109 --> 00:41:19,760

learning and one that you'd recommend to

1098

00:41:23,109 --> 00:41:21,119

us all absolutely i mean it's a

1099

00:41:25,030 --> 00:41:23,119

shameless plug but our our company

1100

00:41:29,069 --> 00:41:25,040

website physics education spell really

1101
00:41:30,950 --> 00:41:29,079
badly f i double z ics education.com.u

1102
00:41:32,550 --> 00:41:30,960
physicseducation.com has over 100 free

1103
00:41:34,069 --> 00:41:32,560
experiments you can easily do by going

1104
00:41:35,670 --> 00:41:34,079
down to local shops and pick up the

1105
00:41:37,349 --> 00:41:35,680
materials for a couple of bucks it's

1106
00:41:38,950 --> 00:41:37,359
just there and off you go but if you

1107
00:41:40,790 --> 00:41:38,960
type in free science experiments into

1108
00:41:42,150 --> 00:41:40,800
google you'll find hundreds of websites

1109
00:41:42,870 --> 00:41:42,160
just use your brain and make sure that

1110
00:41:44,309 --> 00:41:42,880
you're not going to do something

1111
00:41:45,990 --> 00:41:44,319
dangerous and what's your favorite

1112
00:41:47,270 --> 00:41:46,000
household item you reckon is great for

1113
00:41:48,870 --> 00:41:47,280

experimenting with

1114

00:41:50,309 --> 00:41:48,880

vinegar bicarbonate soda your room

1115

00:41:51,750 --> 00:41:50,319

should smell like it there's so many

1116

00:41:53,190 --> 00:41:51,760

things you can do you can do heaps of

1117

00:41:55,190 --> 00:41:53,200

stuff you don't have to do high-end

1118

00:41:59,990 --> 00:41:55,200

stuff you're missing the point the

1119

00:42:03,829 --> 00:42:02,069

here we are at skeptics in the pub

1120

00:42:05,750 --> 00:42:03,839

maynard here reporting not far from the

1121

00:42:07,670 --> 00:42:05,760

bar there it is there it were only one

1122

00:42:09,430 --> 00:42:07,680

drink in so far so anything could happen

1123

00:42:11,910 --> 00:42:09,440

ladies and gentlemen we have amanda here

1124

00:42:13,349 --> 00:42:11,920

who is our guest from the act the

1125

00:42:15,270 --> 00:42:13,359

australian capital territory she's

1126

00:42:16,950 --> 00:42:15,280

crossed the border had her passport

1127

00:42:18,309 --> 00:42:16,960

stamped and joined us here in sydney at

1128

00:42:19,109 --> 00:42:18,319

the coronation hotel tonight good

1129

00:42:20,390 --> 00:42:19,119

evening

1130

00:42:22,069 --> 00:42:20,400

hi there

1131

00:42:25,430 --> 00:42:22,079

now the big question we're asking

1132

00:42:27,349 --> 00:42:25,440

everybody is what is intuition no it's

1133

00:42:29,589 --> 00:42:27,359

not a song by stevie wonder there is

1134

00:42:31,030 --> 00:42:29,599

intuition i'm not working down the

1135

00:42:33,349 --> 00:42:31,040

street nothing like that and it's sung

1136

00:42:35,030 --> 00:42:33,359

by jewel and a song by jewel as well yes

1137

00:42:36,630 --> 00:42:35,040

wow okay well there you go well what do

1138

00:42:38,309 --> 00:42:36,640

you think intuition is

1139

00:42:40,150 --> 00:42:38,319

well it's funny because we when we

1140

00:42:42,470 --> 00:42:40,160

brought up the question a lot of people

1141

00:42:44,870 --> 00:42:42,480

think intuition is all magical and it's

1142

00:42:47,510 --> 00:42:44,880

woo and it's everything like that but i

1143

00:42:50,069 --> 00:42:47,520

think it's partly about taking on from

1144

00:42:51,829 --> 00:42:50,079

your experiences and being able to just

1145

00:42:53,190 --> 00:42:51,839

sort of

1146

00:42:54,790 --> 00:42:53,200

i don't know i think there's a sense

1147

00:42:57,190 --> 00:42:54,800

about things that doesn't have to be

1148

00:42:59,349 --> 00:42:57,200

magically based it's based on you know

1149

00:43:01,750 --> 00:42:59,359

the way your brain works as well as the

1150

00:43:03,190 --> 00:43:01,760

what you experience in everyday life i'd

1151

00:43:05,670 --> 00:43:03,200

take a stab at it and say it's a

1152

00:43:07,829 --> 00:43:05,680

prediction of future events based on

1153

00:43:10,390 --> 00:43:07,839

past ones

1154

00:43:12,069 --> 00:43:10,400

i would probably agree with you a little

1155

00:43:14,309 --> 00:43:12,079

bit but we may need to have a beer to

1156

00:43:16,870 --> 00:43:14,319

debate that further i think we may have

1157

00:43:19,829 --> 00:43:16,880

now look i i know you also work for a a

1158

00:43:22,069 --> 00:43:19,839

federal department yes i do and you also

1159

00:43:24,150 --> 00:43:22,079

work in the sort of the law federal

1160

00:43:25,109 --> 00:43:24,160

department so i'm going to ask you a

1161

00:43:26,950 --> 00:43:25,119

question

1162

00:43:28,069 --> 00:43:26,960

about the fbi

1163

00:43:29,670 --> 00:43:28,079

which i know you've got nothing to do

1164

00:43:31,750 --> 00:43:29,680

with the federal bureau investigation

1165

00:43:33,349 --> 00:43:31,760

okay right now and this actually came up

1166

00:43:35,349 --> 00:43:33,359

jack marks the journalists brought this

1167

00:43:37,190 --> 00:43:35,359

up with me a few weeks ago

1168

00:43:39,270 --> 00:43:37,200

mulder and scully right

1169

00:43:40,550 --> 00:43:39,280

they worked for the fbi allegedly in the

1170

00:43:42,550 --> 00:43:40,560

x-files

1171

00:43:44,470 --> 00:43:42,560

how come they still had their job when

1172

00:43:45,990 --> 00:43:44,480

they never actually solved anything they

1173

00:43:48,069 --> 00:43:46,000

would get to the end of every episode

1174

00:43:49,030 --> 00:43:48,079

and go well that was a bit spooky and

1175

00:43:50,710 --> 00:43:49,040

just

1176

00:43:52,630 --> 00:43:50,720

get case closed that's it they never

1177

00:43:54,550 --> 00:43:52,640

actually put in a report where they

1178

00:43:56,309 --> 00:43:54,560

actually solved anything

1179

00:43:58,309 --> 00:43:56,319

well that's a very good question and i

1180

00:44:01,829 --> 00:43:58,319

think i'll answer it in a couple of ways

1181

00:44:03,190 --> 00:44:01,839

one because well they're not real oh

1182

00:44:04,630 --> 00:44:03,200

you're giving me that fiction thing

1183

00:44:07,109 --> 00:44:04,640

again are you

1184

00:44:09,109 --> 00:44:07,119

and and two what fun would it be how

1185

00:44:11,430 --> 00:44:09,119

what would anyone tune into the next

1186

00:44:13,829 --> 00:44:11,440

week episode if they solve the crime and

1187

00:44:16,150 --> 00:44:13,839

then move on but if you remember rightly

1188

00:44:18,069 --> 00:44:16,160

in their first season of x-files they

1189

00:44:20,069 --> 00:44:18,079

actually started solving crimes but then

1190

00:44:21,910 --> 00:44:20,079

they got boring i know look i like the

1191

00:44:23,910 --> 00:44:21,920

first and second season because they

1192

00:44:25,349 --> 00:44:23,920

were all internally consistent and also

1193

00:44:26,870 --> 00:44:25,359

the love interest too now what if you

1194

00:44:28,950 --> 00:44:26,880

had two people going at each other like

1195

00:44:30,470 --> 00:44:28,960

rabbits like they sort of were towards

1196

00:44:32,390 --> 00:44:30,480

the end there that that wouldn't be a

1197

00:44:34,150 --> 00:44:32,400

good thing in the workplace but okay

1198

00:44:35,990 --> 00:44:34,160

well i suspect that something would be

1199

00:44:37,750 --> 00:44:36,000

said at a managerial level it'll

1200

00:44:39,430 --> 00:44:37,760

definitely take away from the whole

1201
00:44:41,190 --> 00:44:39,440
solving of the case hey we probably just

1202
00:44:42,710 --> 00:44:41,200
put our finger on why they didn't solve

1203
00:44:44,550 --> 00:44:42,720
the case because they're too busy with a

1204
00:44:47,829 --> 00:44:44,560
sexual tension thing going on look

1205
00:44:49,190 --> 00:44:47,839
sexual tension ruins everything

1206
00:44:51,109 --> 00:44:49,200
so what do you think about different

1207
00:44:53,349 --> 00:44:51,119
sorts of intuition then like they talk

1208
00:44:55,589 --> 00:44:53,359
about mother's intuition

1209
00:44:57,910 --> 00:44:55,599
i think it's i think it's hokum i think

1210
00:45:00,069 --> 00:44:57,920
mother's intuition comes from

1211
00:45:02,069 --> 00:45:00,079
the fact that they are so

1212
00:45:03,829 --> 00:45:02,079
that whole mother's instinct that whole

1213
00:45:05,670 --> 00:45:03,839

woman's intuition that whole mother's

1214

00:45:07,349 --> 00:45:05,680

intuition basically

1215

00:45:09,190 --> 00:45:07,359

is by using

1216

00:45:11,030 --> 00:45:09,200

the odd occasion where they may have

1217

00:45:13,430 --> 00:45:11,040

been right about the fact that the child

1218

00:45:15,190 --> 00:45:13,440

is about to run into a window with the

1219

00:45:17,430 --> 00:45:15,200

20 other times when they haven't caught

1220

00:45:18,950 --> 00:45:17,440

them in time when they fell off a chair

1221

00:45:21,270 --> 00:45:18,960

so they said hold up yeah name the

1222

00:45:23,750 --> 00:45:21,280

logical fallacy

1223

00:45:25,430 --> 00:45:23,760

now as a canberra skeptic and you guys

1224

00:45:27,190 --> 00:45:25,440

are hosting the big skeptics conference

1225

00:45:29,270 --> 00:45:27,200

later in the year what do you make of

1226

00:45:31,510 --> 00:45:29,280

our sydney gathering here tonight

1227

00:45:34,630 --> 00:45:31,520

this is my first sydney gathering and

1228

00:45:36,550 --> 00:45:34,640

it's very it's very good actually um a

1229

00:45:39,190 --> 00:45:36,560

lot of people who i'm just meeting for

1230

00:45:41,430 --> 00:45:39,200

the first time who i've spoken to online

1231

00:45:43,190 --> 00:45:41,440

so but i really enjoy the dynamic

1232

00:45:44,950 --> 00:45:43,200

environment with alcohol how many times

1233

00:45:47,030 --> 00:45:44,960

have we chatted on pet life so many

1234

00:45:49,589 --> 00:45:47,040

times now yes we have and it feels like

1235

00:45:51,750 --> 00:45:49,599

i already know you i know it's like that

1236

00:45:53,910 --> 00:45:51,760

yeah but i i think with the great thing

1237

00:45:56,230 --> 00:45:53,920

about the skeptical movement is that

1238

00:45:58,230 --> 00:45:56,240

people it's like a community in a way

1239

00:46:00,069 --> 00:45:58,240

people come together from all

1240

00:46:01,750 --> 00:46:00,079

areas of the country in all areas of the

1241

00:46:04,069 --> 00:46:01,760

world and you cannot ever see them and

1242

00:46:06,390 --> 00:46:04,079

not ever meet them but the fact that we

1243

00:46:07,589 --> 00:46:06,400

all we're all sharing ideas and we're

1244

00:46:09,910 --> 00:46:07,599

all sharing

1245

00:46:11,910 --> 00:46:09,920

the one you know the one common goal is

1246

00:46:13,109 --> 00:46:11,920

to you know seek the evidence seek the

1247

00:46:14,630 --> 00:46:13,119

truth and

1248

00:46:16,069 --> 00:46:14,640

sort of enlightened

1249

00:46:18,150 --> 00:46:16,079

i hate to use that word because it's a

1250

00:46:20,230 --> 00:46:18,160

buzzword but it sort of brings everyone

1251
00:46:21,670 --> 00:46:20,240
together so we all have that sort of

1252
00:46:23,750 --> 00:46:21,680
thing where we can understand where

1253
00:46:25,910 --> 00:46:23,760
we're coming from we're so i'm really

1254
00:46:27,270 --> 00:46:25,920
enjoying the evening

1255
00:46:28,790 --> 00:46:27,280
well we're here in one of the busier

1256
00:46:30,230 --> 00:46:28,800
corners and i will have to apologize

1257
00:46:31,430 --> 00:46:30,240
about the background noise because

1258
00:46:32,470 --> 00:46:31,440
everyone's i

1259
00:46:33,990 --> 00:46:32,480
i think they're doing a scene from the

1260
00:46:35,990 --> 00:46:34,000
hobbit behind us it's fantastic it's

1261
00:46:38,150 --> 00:46:36,000
like a radio play um now you're over

1262
00:46:43,349 --> 00:46:38,160
here in the controversial corner in the

1263
00:46:45,829 --> 00:46:43,359

bohemian corner what is intuition son

1264

00:46:49,190 --> 00:46:45,839

it's pattern recognition

1265

00:46:51,109 --> 00:46:49,200

essentially you've seen it all before so

1266

00:46:52,710 --> 00:46:51,119

when you see something that looks kind

1267

00:46:54,550 --> 00:46:52,720

of like it you associate it with

1268

00:46:56,309 --> 00:46:54,560

something you've already experienced so

1269

00:46:59,109 --> 00:46:56,319

why can't older people pick up better

1270

00:47:00,630 --> 00:46:59,119

than younger people alzheimer's

1271

00:47:02,150 --> 00:47:00,640

well i think that's your answer there so

1272

00:47:05,190 --> 00:47:02,160

have you got a bit of an idea what

1273

00:47:06,630 --> 00:47:05,200

intuition is um i don't know there's

1274

00:47:08,790 --> 00:47:06,640

stuff about

1275

00:47:11,670 --> 00:47:08,800

we actually have more neural tissue in

1276

00:47:13,270 --> 00:47:11,680

our gut than uh many species have in

1277

00:47:16,950 --> 00:47:13,280

their brains so it could be something in

1278

00:47:18,470 --> 00:47:16,960

our gut brain speaking to our head brain

1279

00:47:19,750 --> 00:47:18,480

that doesn't smell funny that smells

1280

00:47:22,710 --> 00:47:19,760

funny so i'm not gonna have anything of

1281

00:47:24,870 --> 00:47:22,720

it okay that's not not a bad idea there

1282

00:47:26,390 --> 00:47:24,880

i know i did no jessica's still eating

1283

00:47:27,670 --> 00:47:26,400

something now what i've got over there

1284

00:47:29,190 --> 00:47:27,680

in the corner you got any intuition

1285

00:47:31,510 --> 00:47:29,200

going on there

1286

00:47:34,630 --> 00:47:31,520

oh intuition no intuition is just sort

1287

00:47:35,670 --> 00:47:34,640

of experience and training

1288

00:47:39,190 --> 00:47:35,680

there we go

1289

00:47:42,069 --> 00:47:39,200

yeah you and your ass smarties

1290

00:47:44,950 --> 00:47:43,750

now now look you might have heard some

1291

00:47:46,390 --> 00:47:44,960

loud people in the background of the

1292

00:47:48,309 --> 00:47:46,400

last interview well there's these guys

1293

00:47:53,190 --> 00:47:48,319

here going off what scene were you

1294

00:47:56,470 --> 00:47:54,470

i was thinking it might have been king

1295

00:47:58,309 --> 00:47:56,480

kong for a moment the scene don't tell

1296

00:48:00,950 --> 00:47:58,319

me about no no no

1297

00:48:02,309 --> 00:48:00,960

i'm a fan of the 80s jessica uh jessica

1298

00:48:04,790 --> 00:48:02,319

lang version whatever it is the one that

1299

00:48:07,270 --> 00:48:04,800

was in the the 80s king kong one i much

1300

00:48:09,270 --> 00:48:07,280

prefer the original oh well fair enough

1301

00:48:11,270 --> 00:48:09,280

then okay well before we figured out

1302

00:48:13,589 --> 00:48:11,280

what exactly did kill the beast and i

1303

00:48:15,670 --> 00:48:13,599

suspect it was alcohol um what do you

1304

00:48:17,670 --> 00:48:15,680

think is intuition what do you think it

1305

00:48:19,349 --> 00:48:17,680

is yeah it's mostly [h__\h] okay well

1306

00:48:21,670 --> 00:48:19,359

what you reckon people make it up after

1307

00:48:23,510 --> 00:48:21,680

the fact well

1308

00:48:25,030 --> 00:48:23,520

it's that classic thing it's intuition

1309

00:48:26,230 --> 00:48:25,040

if it comes right if it's not it was it

1310

00:48:29,109 --> 00:48:26,240

was a guess

1311

00:48:30,790 --> 00:48:29,119

and if it wasn't it's uh yeah yeah okay

1312

00:48:32,470 --> 00:48:30,800

yeah so that's a pretty to the point

1313

00:48:35,109 --> 00:48:32,480

answer now what do you think you agree

1314

00:48:36,790 --> 00:48:35,119

with our esteemed colleague here really

1315

00:48:38,309 --> 00:48:36,800

depends on what you're calling intuition

1316

00:48:39,990 --> 00:48:38,319

if it's some sort of psychic ability

1317

00:48:41,510 --> 00:48:40,000

then no but if it's if you're picking up

1318

00:48:43,109 --> 00:48:41,520

on subconscious cues and you're not

1319

00:48:45,030 --> 00:48:43,119

aware of it then you might be putting a

1320

00:48:45,990 --> 00:48:45,040

picture together which might turn out to

1321

00:48:46,710 --> 00:48:46,000

be right

1322

00:48:47,910 --> 00:48:46,720

but

1323

00:48:49,190 --> 00:48:47,920

i'm sort of thinking

1324

00:48:53,270 --> 00:48:49,200

something you think is going to happen

1325

00:48:55,750 --> 00:48:54,470

you know someone's going to cheat you

1326

00:48:57,670 --> 00:48:55,760

they'll probably do it again such

1327

00:48:59,190 --> 00:48:57,680

intuition or just common sense that's

1328

00:49:02,549 --> 00:48:59,200

right now is there such a thing as

1329

00:49:04,309 --> 00:49:02,559

mother's intuition women's intuition

1330

00:49:05,750 --> 00:49:04,319

um again it depends how you define it if

1331

00:49:07,510 --> 00:49:05,760

it's you know some special psychic

1332

00:49:09,349 --> 00:49:07,520

ability then no

1333

00:49:11,670 --> 00:49:09,359

you never hear about transsexual

1334

00:49:13,910 --> 00:49:11,680

intuition do you that is never mentioned

1335

00:49:15,109 --> 00:49:13,920

and i think that's right

1336

00:49:16,470 --> 00:49:15,119

yeah i guess i'm just being the right

1337

00:49:17,910 --> 00:49:16,480

people but i reckon that's just that's

1338

00:49:19,750 --> 00:49:17,920

just some sort of prejudice going on in

1339

00:49:22,069 --> 00:49:19,760

our society let's go see that i want to

1340

00:49:24,790 --> 00:49:22,079

see transsexual intuition well there is

1341

00:49:26,390 --> 00:49:24,800

gaydar yeah there is gaydar but no

1342

00:49:28,870 --> 00:49:26,400

that's a different that's a question for

1343

00:49:31,109 --> 00:49:28,880

another show

1344

00:49:32,230 --> 00:49:31,119

look i'm at the table nearest the bar so

1345

00:49:33,829 --> 00:49:32,240

of course you're going to find the usual

1346

00:49:36,309 --> 00:49:33,839

suspects there how are you this evening

1347

00:49:38,549 --> 00:49:36,319

sir i'm all right thank you now have you

1348

00:49:40,069 --> 00:49:38,559

had any intuition experiences lately and

1349

00:49:42,790 --> 00:49:40,079

did you actually could you give us what

1350

00:49:45,670 --> 00:49:42,800

you think intuition is i can't say i've

1351
00:49:47,190 --> 00:49:45,680
had any intuition experiences but

1352
00:49:49,030 --> 00:49:47,200
i understand

1353
00:49:50,870 --> 00:49:49,040
intuition is

1354
00:49:53,670 --> 00:49:50,880
your brain working on the subconscious

1355
00:49:56,630 --> 00:49:53,680
level with information that it has

1356
00:49:57,670 --> 00:49:56,640
and it has obtained through the senses

1357
00:49:59,270 --> 00:49:57,680
and

1358
00:50:00,630 --> 00:49:59,280
i've heard it said that if you rely on

1359
00:50:01,430 --> 00:50:00,640
your intuition

1360
00:50:03,829 --> 00:50:01,440
uh

1361
00:50:05,430 --> 00:50:03,839
it's more reliable than what you

1362
00:50:08,950 --> 00:50:05,440
what some people think

1363
00:50:11,030 --> 00:50:08,960

but isn't it especially relying on it's

1364

00:50:13,750 --> 00:50:11,040

the brain still working in a normal way

1365

00:50:15,190 --> 00:50:13,760

but below the conscious and i've had

1366

00:50:17,270 --> 00:50:15,200

people say that

1367

00:50:19,829 --> 00:50:17,280

um if you try to

1368

00:50:21,270 --> 00:50:19,839

don't deny the intuition

1369

00:50:23,030 --> 00:50:21,280

and sort of

1370

00:50:24,950 --> 00:50:23,040

make reasoned decisions which as a

1371

00:50:27,270 --> 00:50:24,960

skeptic i would have thought it was the

1372

00:50:28,549 --> 00:50:27,280

case they've done experiments and you've

1373

00:50:30,710 --> 00:50:28,559

actually it's actually some in some

1374

00:50:32,390 --> 00:50:30,720

cases it's turned out worse than

1375

00:50:34,549 --> 00:50:32,400

if people have followed their intuition

1376

00:50:36,150 --> 00:50:34,559

they've made the correct decision but

1377

00:50:37,910 --> 00:50:36,160

there's nothing supernatural or spooky

1378

00:50:39,190 --> 00:50:37,920

about it from what i understand it's the

1379

00:50:40,870 --> 00:50:39,200

brain

1380

00:50:42,790 --> 00:50:40,880

actually crunching

1381

00:50:45,430 --> 00:50:42,800

the information that it's absorbed over

1382

00:50:47,190 --> 00:50:45,440

time well i don't know it could be wrong

1383

00:50:48,870 --> 00:50:47,200

that's a good working definition for me

1384

00:50:50,470 --> 00:50:48,880

and what about you sir you're smiling

1385

00:50:51,670 --> 00:50:50,480

you're laughing are you disagreeing with

1386

00:50:53,430 --> 00:50:51,680

him is there some sort we've got an

1387

00:50:57,190 --> 00:50:53,440

intellectual impasse going on here what

1388

00:50:59,750 --> 00:50:57,200

do you think intuition is mr greenshirt

1389

00:51:02,230 --> 00:50:59,760

i think john is right that there is

1390

00:51:03,510 --> 00:51:02,240

unconscious processing going on but

1391

00:51:05,270 --> 00:51:03,520

i think you have to be really careful

1392

00:51:06,710 --> 00:51:05,280

there's a lot of voices getting going

1393

00:51:08,870 --> 00:51:06,720

for attention in your mind lots of

1394

00:51:10,390 --> 00:51:08,880

different thoughts and

1395

00:51:12,390 --> 00:51:10,400

instead of tuning into some very

1396

00:51:14,069 --> 00:51:12,400

sophisticated unconscious reasoning you

1397

00:51:15,750 --> 00:51:14,079

could just be going into the last

1398

00:51:17,829 --> 00:51:15,760

suggestion somebody gave you or

1399

00:51:19,670 --> 00:51:17,839

something you read on the newspaper or

1400

00:51:21,589 --> 00:51:19,680

just you know just listening to your gut

1401

00:51:23,349 --> 00:51:21,599

as the republicans would have it or

1402

00:51:24,870 --> 00:51:23,359

stephen colbert would have it

1403

00:51:25,910 --> 00:51:24,880

doesn't always give you the right answer

1404

00:51:27,750 --> 00:51:25,920

so you've got to be careful you're not

1405

00:51:29,349 --> 00:51:27,760

misled

1406

00:51:31,190 --> 00:51:29,359

and so did you think that that

1407

00:51:33,270 --> 00:51:31,200

effectively is what intuition is but you

1408

00:51:34,790 --> 00:51:33,280

might just hear the wrong thing yeah

1409

00:51:36,549 --> 00:51:34,800

yeah so i think the unconscious

1410

00:51:38,069 --> 00:51:36,559

reasoning is there isn't i think that's

1411

00:51:39,510 --> 00:51:38,079

real intuition but i think you can be

1412

00:51:41,190 --> 00:51:39,520

fooled by

1413

00:51:43,109 --> 00:51:41,200

suggestions given to you earlier so

1414

00:51:44,549 --> 00:51:43,119

you've got a it's a skill i think an art

1415

00:51:46,150 --> 00:51:44,559

to be able to listen to the right voice

1416

00:51:47,430 --> 00:51:46,160

in your head

1417

00:51:49,349 --> 00:51:47,440

well i think you should listen to the

1418

00:51:51,030 --> 00:51:49,359

voice of peter hi peter how are you and

1419

00:51:52,150 --> 00:51:51,040

first of all how is your health like a

1420

00:51:54,390 --> 00:51:52,160

lot of the skeptics have been wondering

1421

00:51:56,150 --> 00:51:54,400

how your health's been fine i have still

1422

00:51:58,790 --> 00:51:56,160

my health is fine i still have a very

1423

00:52:01,589 --> 00:51:58,800

sore ankle which i broke last year at

1424

00:52:03,829 --> 00:52:01,599

skeptic camp uh i know now that i should

1425

00:52:06,470 --> 00:52:03,839

stay away from things because i hurt my

1426

00:52:08,230 --> 00:52:06,480

foot at ham i hurt my foot at skeptic

1427

00:52:09,829 --> 00:52:08,240

camp i hurt my foot at the atheist

1428

00:52:11,030 --> 00:52:09,839

conference and i fell over and hurt

1429

00:52:13,109 --> 00:52:11,040

myself and couldn't much in the mardi

1430

00:52:14,950 --> 00:52:13,119

gras so i figured that

1431

00:52:16,549 --> 00:52:14,960

god is telling me a message to stay away

1432

00:52:18,230 --> 00:52:16,559

from these health and atheists and

1433

00:52:19,270 --> 00:52:18,240

people like that and we might even let

1434

00:52:20,950 --> 00:52:19,280

you know what happened to him when he

1435

00:52:22,230 --> 00:52:20,960

went to sexpo

1436

00:52:24,390 --> 00:52:22,240

oh look that's a different story

1437

00:52:26,069 --> 00:52:24,400

altogether so well maybe some intuition

1438

00:52:28,069 --> 00:52:26,079

might help you here what do you think

1439

00:52:30,069 --> 00:52:28,079

intuition is mr break my foot every time

1440

00:52:32,230 --> 00:52:30,079

i walk out the door

1441

00:52:34,150 --> 00:52:32,240

i think um i think it's basically what

1442

00:52:36,390 --> 00:52:34,160

john was saying it's um

1443

00:52:37,750 --> 00:52:36,400

it's an unconscious assessment of things

1444

00:52:38,790 --> 00:52:37,760

that you know

1445

00:52:41,510 --> 00:52:38,800

um

1446

00:52:44,230 --> 00:52:41,520

experience and background and so forth

1447

00:52:46,230 --> 00:52:44,240

you think that you are just basically

1448

00:52:47,750 --> 00:52:46,240

guessing at things i think most people

1449

00:52:50,150 --> 00:52:47,760

are actually using some kind of evidence

1450

00:52:51,109 --> 00:52:50,160

that they've gathered over time but also

1451

00:52:52,790 --> 00:52:51,119

um

1452

00:52:53,990 --> 00:52:52,800

it's correct that if you you can be

1453

00:52:55,910 --> 00:52:54,000

influenced by what people are telling

1454

00:52:57,510 --> 00:52:55,920

you what you've heard where you are the

1455

00:53:00,390 --> 00:52:57,520

circumstances around you

1456

00:53:02,150 --> 00:53:00,400

i don't think that it's an invalid thing

1457

00:53:04,230 --> 00:53:02,160

but i just you just shouldn't rely on it

1458

00:53:06,390 --> 00:53:04,240

all the time of saying gee it feels

1459

00:53:08,309 --> 00:53:06,400

right like i used to i used to be a

1460

00:53:10,309 --> 00:53:08,319

gambler on the horses i was actually

1461

00:53:12,069 --> 00:53:10,319

successful at it but i can guarantee you

1462

00:53:13,109 --> 00:53:12,079

i never simply said gee i think that

1463

00:53:15,030 --> 00:53:13,119

course is going to win to the like the

1464

00:53:17,190 --> 00:53:15,040

color of the jockeys until it was a

1465

00:53:19,190 --> 00:53:17,200

matter of sitting down and working out

1466

00:53:21,349 --> 00:53:19,200

where they'd run before what the form

1467

00:53:23,190 --> 00:53:21,359

was and so forth there was no intuition

1468

00:53:24,230 --> 00:53:23,200

at all the intuition were the people who

1469

00:53:26,790 --> 00:53:24,240

were throwing the money at the

1470

00:53:27,990 --> 00:53:26,800

bookmakers and paying for the bentleys

1471

00:53:29,589 --> 00:53:28,000

and the very small numbers that were

1472

00:53:31,589 --> 00:53:29,599

making money

1473

00:53:33,190 --> 00:53:31,599

but we might have one intuitive bet on a

1474

00:53:34,390 --> 00:53:33,200

saturday and that with the end of the

1475

00:53:36,069 --> 00:53:34,400

day we had a couple of bucks left in

1476
00:53:36,870 --> 00:53:36,079
your pocket and you'd say oh yeah why

1477
00:53:39,030 --> 00:53:36,880
not

1478
00:53:41,270 --> 00:53:39,040
but uh i think it's

1479
00:53:43,030 --> 00:53:41,280
it's a sort of it's a form of guesswork

1480
00:53:46,710 --> 00:53:43,040
but in most cases i think it's informed

1481
00:53:47,990 --> 00:53:46,720
by your experience your knowledge and

1482
00:53:48,870 --> 00:53:48,000
also what's going on around you at the

1483
00:53:50,230 --> 00:53:48,880
time

1484
00:53:52,069 --> 00:53:50,240
and while i've got to hear peter too we

1485
00:53:53,750 --> 00:53:52,079
should give a big plug to a channel that

1486
00:53:55,589 --> 00:53:53,760
most people that have got foxtel don't

1487
00:53:57,430 --> 00:53:55,599
even look at usually and that's the

1488
00:53:58,230 --> 00:53:57,440

public access channel that's on there

1489

00:54:00,230 --> 00:53:58,240

because

1490

00:54:02,630 --> 00:54:00,240

one day i saw you on there i saw you

1491

00:54:04,950 --> 00:54:02,640

giving a talk to the canberra skeptics

1492

00:54:07,109 --> 00:54:04,960

and and i didn't know what was going on

1493

00:54:08,790 --> 00:54:07,119

um and look they have stuff like that on

1494

00:54:10,309 --> 00:54:08,800

there all the time what was that

1495

00:54:11,670 --> 00:54:10,319

channel and what were you doing on

1496

00:54:13,589 --> 00:54:11,680

foxtop

1497

00:54:14,950 --> 00:54:13,599

i've actually never seen that but every

1498

00:54:17,190 --> 00:54:14,960

now and then people send me emails

1499

00:54:18,710 --> 00:54:17,200

saying i just saw you on television

1500

00:54:20,470 --> 00:54:18,720

in fact i got an email this week from a

1501
00:54:21,589 --> 00:54:20,480
person who was in primary school with my

1502
00:54:24,309 --> 00:54:21,599
brother

1503
00:54:26,150 --> 00:54:24,319
way back in the dark ages who said i saw

1504
00:54:28,069 --> 00:54:26,160
you on television

1505
00:54:30,309 --> 00:54:28,079
it was a talk on the um uh coming

1506
00:54:32,069 --> 00:54:30,319
apocalypse it was the final ever last

1507
00:54:33,349 --> 00:54:32,079
ever talk of canberra skeptics to be

1508
00:54:35,270 --> 00:54:33,359
given before the end of the world on

1509
00:54:37,030 --> 00:54:35,280
december 21st last year just remember

1510
00:54:39,030 --> 00:54:37,040
that it's the apac channel it's the

1511
00:54:40,630 --> 00:54:39,040
australian public affairs channel that's

1512
00:54:42,309 --> 00:54:40,640
what it's called apac channel and

1513
00:54:44,069 --> 00:54:42,319

usually it's some think tank from the

1514

00:54:45,349 --> 00:54:44,079

menzies institute or something but

1515

00:54:47,030 --> 00:54:45,359

occasionally you get you get some

1516

00:54:48,710 --> 00:54:47,040

conspiracy people on there it can go

1517

00:54:50,470 --> 00:54:48,720

nutty it's great

1518

00:54:52,790 --> 00:54:50,480

so i always get told about it after i

1519

00:54:54,549 --> 00:54:52,800

was just on and people say we just saw

1520

00:54:56,950 --> 00:54:54,559

you on television and say good can you

1521

00:54:59,829 --> 00:54:56,960

please actually ring me when i appear

1522

00:55:02,069 --> 00:54:59,839

and let me know so i can rush to the tv

1523

00:55:03,910 --> 00:55:02,079

yes it was um they filmed basically a

1524

00:55:05,990 --> 00:55:03,920

talk i gave to about the coming

1525

00:55:08,150 --> 00:55:06,000

apocalypse and what was going to happen

1526

00:55:10,470 --> 00:55:08,160

and not happen on december 21st

1527

00:55:12,950 --> 00:55:10,480

and uh and uh did you have a big

1528

00:55:15,910 --> 00:55:12,960

ninja fest when it didn't happen and who

1529

00:55:18,069 --> 00:55:15,920

did you need to uh

1530

00:55:20,150 --> 00:55:18,079

we actually had actually was i was that

1531

00:55:21,670 --> 00:55:20,160

night with western sydney freethinkers

1532

00:55:23,349 --> 00:55:21,680

we had a night out we had to wait till

1533

00:55:24,950 --> 00:55:23,359

the exact time that happened which i

1534

00:55:25,910 --> 00:55:24,960

think was 11 minutes past sometime in

1535

00:55:28,069 --> 00:55:25,920

the night

1536

00:55:29,670 --> 00:55:28,079

and uh we all raised a glass to the end

1537

00:55:32,309 --> 00:55:29,680

of the world and

1538

00:55:33,270 --> 00:55:32,319

because we'd all survived but we were a

1539

00:55:34,549 --> 00:55:33,280

little bit

1540

00:55:37,270 --> 00:55:34,559

fearful about it now there's a bit of

1541

00:55:39,190 --> 00:55:37,280

intuition there saying maybe it might

1542

00:55:40,790 --> 00:55:39,200

maybe it's right you know but

1543

00:55:42,549 --> 00:55:40,800

it's what happens with every skeptic

1544

00:55:44,549 --> 00:55:42,559

thing there's just that little fraction

1545

00:55:46,630 --> 00:55:44,559

of a percent that the aliens are going

1546

00:55:47,910 --> 00:55:46,640

to land on the white house lawn or that

1547

00:55:49,589 --> 00:55:47,920

you know some astrology thing is going

1548

00:55:51,030 --> 00:55:49,599

to be proven true and then you're going

1549

00:55:52,630 --> 00:55:51,040

to have to walk with your pants down

1550

00:55:53,750 --> 00:55:52,640

around your ankle down pit street for a

1551
00:55:56,470 --> 00:55:53,760
bet

1552
00:55:59,109 --> 00:55:56,480
yes that's right

1553
00:56:01,430 --> 00:55:59,119
i try not to make bits like that

1554
00:56:03,510 --> 00:56:01,440
i make them constantly

1555
00:56:05,109 --> 00:56:03,520
but yes you're right i've actually

1556
00:56:06,630 --> 00:56:05,119
figured richard said earlier i would

1557
00:56:07,670 --> 00:56:06,640
love to see some of this paranormal

1558
00:56:09,589 --> 00:56:07,680
stuff

1559
00:56:11,589 --> 00:56:09,599
what how would you feel if an alien

1560
00:56:13,750 --> 00:56:11,599
landed in your backyard i said i'd feel

1561
00:56:15,270 --> 00:56:13,760
terrific and i start selling tickets but

1562
00:56:16,470 --> 00:56:15,280
uh

1563
00:56:18,870 --> 00:56:16,480

now i live in the blue mountains we'll

1564

00:56:19,990 --> 00:56:18,880

be full of strange animals and panthers

1565

00:56:21,270 --> 00:56:20,000

and things

1566

00:56:22,789 --> 00:56:21,280

if they find a panther in the blue

1567

00:56:23,910 --> 00:56:22,799

mountains i'm going to think it's

1568

00:56:25,349 --> 00:56:23,920

terrific

1569

00:56:27,430 --> 00:56:25,359

i'm not going to think it's it hasn't

1570

00:56:29,990 --> 00:56:27,440

destroyed my view of life we've found

1571

00:56:31,990 --> 00:56:30,000

something that we didn't know before

1572

00:56:32,950 --> 00:56:32,000

uh i'm i'm not too sure about aliens

1573

00:56:34,470 --> 00:56:32,960

landing

1574

00:56:36,069 --> 00:56:34,480

and i'm not too sure about astrology

1575

00:56:38,870 --> 00:56:36,079

being proved true

1576

00:56:40,309 --> 00:56:38,880

but yeah if it happens once it happens

1577

00:56:42,150 --> 00:56:40,319

now look i know richard will probably

1578

00:56:44,470 --> 00:56:42,160

cut this out but here i go because i

1579

00:56:46,390 --> 00:56:44,480

know that okay the alien hypothesis is

1580

00:56:47,990 --> 00:56:46,400

just one i would go for the ultra

1581

00:56:50,309 --> 00:56:48,000

terrestrials which has been they've been

1582

00:56:51,750 --> 00:56:50,319

here all the time they just don't want

1583

00:56:53,990 --> 00:56:51,760

to be seen from time to time there's

1584

00:56:55,510 --> 00:56:54,000

also the time traveler hypothesis and

1585

00:56:57,829 --> 00:56:55,520

there's also the other dimension

1586

00:56:59,990 --> 00:56:57,839

hypothesis see i think thinking of just

1587

00:57:01,990 --> 00:57:00,000

extraterrestrials narrow it's narrow

1588

00:57:03,750 --> 00:57:02,000

thinking well i think it is i mean time

1589

00:57:04,710 --> 00:57:03,760

travel is far more likely

1590

00:57:05,910 --> 00:57:04,720

or they're going to come out of the

1591

00:57:07,430 --> 00:57:05,920

underground bases that live under the

1592

00:57:08,950 --> 00:57:07,440

blue mountains where i live but they're

1593

00:57:10,710 --> 00:57:08,960

there now

1594

00:57:12,549 --> 00:57:10,720

they're just waiting

1595

00:57:13,910 --> 00:57:12,559

uh it was

1596

00:57:15,349 --> 00:57:13,920

a decent bush fighter coming through

1597

00:57:16,789 --> 00:57:15,359

what are they waiting for

1598

00:57:19,510 --> 00:57:16,799

i think there's some bushfires it's like

1599

00:57:21,910 --> 00:57:19,520

the the start of um of the war of the

1600

00:57:23,430 --> 00:57:21,920

worlds by h.d witness

1601
00:57:24,950 --> 00:57:23,440
that they were watching

1602
00:57:26,470 --> 00:57:24,960
they were waiting

1603
00:57:28,390 --> 00:57:26,480
they're waiting for the right time to

1604
00:57:29,589 --> 00:57:28,400
come i see

1605
00:57:31,270 --> 00:57:29,599
okay well while they're doing that we

1606
00:57:34,309 --> 00:57:31,280
might as well have a drink pete

1607
00:57:36,549 --> 00:57:34,319
sounds like an excellent idea

1608
00:57:38,150 --> 00:57:36,559
i'm here with iran now iran is a man who

1609
00:57:39,589 --> 00:57:38,160
is very mysterious he

1610
00:57:41,270 --> 00:57:39,599
is actually working secretly with the

1611
00:57:42,549 --> 00:57:41,280
mossad i believe because i reckon you'd

1612
00:57:45,190 --> 00:57:42,559
be the perfect plant you'd be the

1613
00:57:47,109 --> 00:57:45,200

perfect sleeper mossad cell guy i'm

1614

00:57:49,270 --> 00:57:47,119

sorry i can't talk about it told you i

1615

00:57:51,510 --> 00:57:49,280

was right now okay but what about

1616

00:57:54,069 --> 00:57:51,520

intuition iran what do you think

1617

00:57:55,829 --> 00:57:54,079

intuition is

1618

00:57:57,589 --> 00:57:55,839

first of all we have to assume that it

1619

00:58:00,549 --> 00:57:57,599

exists but um

1620

00:58:01,750 --> 00:58:00,559

but i think some people do have a

1621

00:58:05,750 --> 00:58:01,760

level of

1622

00:58:08,390 --> 00:58:05,760

about

1623

00:58:09,910 --> 00:58:08,400

things that could happen to people so i

1624

00:58:11,990 --> 00:58:09,920

don't think i don't think education

1625

00:58:12,950 --> 00:58:12,000

really works when it comes to

1626
00:58:14,630 --> 00:58:12,960
um

1627
00:58:16,309 --> 00:58:14,640
coming up with ideas about what might

1628
00:58:18,150 --> 00:58:16,319
happen in nature or things like that i

1629
00:58:19,990 --> 00:58:18,160
think education is more about things

1630
00:58:22,150 --> 00:58:20,000
that might happen to people

1631
00:58:24,950 --> 00:58:22,160
so i think for example parents very

1632
00:58:26,710 --> 00:58:24,960
often have intuition about their kids

1633
00:58:27,910 --> 00:58:26,720
but it comes from familiarity you know

1634
00:58:29,190 --> 00:58:27,920
what your kids will do in certain

1635
00:58:29,990 --> 00:58:29,200
situations

1636
00:58:32,870 --> 00:58:30,000
so

1637
00:58:33,910 --> 00:58:32,880
going to do it of course you knew you're

1638
00:58:36,549 --> 00:58:33,920

going to do you've seen them in that

1639

00:58:38,950 --> 00:58:36,559

situation a thousand times before

1640

00:58:40,630 --> 00:58:38,960

so do you think it is just merely a

1641

00:58:42,230 --> 00:58:40,640

future an extrapolation of what will

1642

00:58:43,990 --> 00:58:42,240

happen in the future based purely on

1643

00:58:44,950 --> 00:58:44,000

what you remember from the past is that

1644

00:58:47,270 --> 00:58:44,960

all

1645

00:58:47,990 --> 00:58:47,280

um i think it probably is

1646

00:58:49,589 --> 00:58:48,000

but

1647

00:58:51,829 --> 00:58:49,599

there's uh you develop a certain level

1648

00:58:53,589 --> 00:58:51,839

of heuristics you you don't you don't

1649

00:58:55,190 --> 00:58:53,599

think about it's too deep you don't

1650

00:58:56,870 --> 00:58:55,200

think about most things too deeply you

1651
00:58:58,069 --> 00:58:56,880
just come up with an idea you have to

1652
00:59:00,470 --> 00:58:58,079
make decisions very quickly there's

1653
00:59:02,630 --> 00:59:00,480
actually a book by uh daniel kahneman

1654
00:59:04,710 --> 00:59:02,640
who talks about fast thinking and slow

1655
00:59:07,109 --> 00:59:04,720
thinking and this is the fast thinking

1656
00:59:09,990 --> 00:59:07,119
part where your brain doesn't makes uh

1657
00:59:11,910 --> 00:59:10,000
unconscious uh or subconscious decisions

1658
00:59:13,510 --> 00:59:11,920
based on heuristics and it's not with

1659
00:59:14,870 --> 00:59:13,520
the full full amount of information and

1660
00:59:16,710 --> 00:59:14,880
definitely without being conscious of

1661
00:59:18,630 --> 00:59:16,720
all the information you just make those

1662
00:59:22,390 --> 00:59:18,640
decisions and that's what basically in

1663
00:59:24,710 --> 00:59:22,400

my opinion um intuition is now

1664

00:59:26,150 --> 00:59:24,720

i i'd like to quote um

1665

00:59:31,430 --> 00:59:26,160

richard feynman

1666

00:59:33,349 --> 00:59:31,440

why he was asked why quantum mechanics

1667

00:59:35,670 --> 00:59:33,359

is so counter-intuitive

1668

00:59:37,349 --> 00:59:35,680

so there is the intuition coming in now

1669

00:59:39,109 --> 00:59:37,359

he also had the great quote that if you

1670

00:59:40,710 --> 00:59:39,119

say you understand in quantum mechanics

1671

00:59:42,789 --> 00:59:40,720

you don't clearly do not understand

1672

00:59:43,829 --> 00:59:42,799

quantum mechanics absolutely so yes why

1673

00:59:45,589 --> 00:59:43,839

is quantum mechanics so

1674

00:59:47,190 --> 00:59:45,599

counter-intuitive it's not just

1675

00:59:48,950 --> 00:59:47,200

unintuitive it's counterintuitive it

1676

00:59:50,390 --> 00:59:48,960

works against everything we know well i

1677

00:59:52,150 --> 00:59:50,400

can answer that because obviously we are

1678

00:59:54,150 --> 00:59:52,160

living in some sort of simulation

1679

00:59:55,829 --> 00:59:54,160

designed by and other people from

1680

00:59:57,750 --> 00:59:55,839

another realm and what we perceive as

1681

00:59:59,510 --> 00:59:57,760

being normal stuff is normal stuff but

1682

01:00:01,270 --> 00:59:59,520

the actual quantum is what is powering

1683

01:00:02,789 --> 01:00:01,280

the game the hologram the reality in

1684

01:00:05,109 --> 01:00:02,799

which we live you forgot to mention that

1685

01:00:05,750 --> 01:00:05,119

those who designed the game they're also

1686

01:00:09,270 --> 01:00:05,760

in

1687

01:00:11,349 --> 01:00:09,280

a simulation but anyway

1688

01:00:13,190 --> 01:00:11,359

it's it's turtles all the way down

1689

01:00:14,870 --> 01:00:13,200

there's a great movie called room 13 or

1690

01:00:17,270 --> 01:00:14,880

level 13 or something check that movie

1691

01:00:19,270 --> 01:00:17,280

out but continue on yeah so what richard

1692

01:00:21,270 --> 01:00:19,280

feynman said was the reason it's so

1693

01:00:23,030 --> 01:00:21,280

country intuitive has got nothing to do

1694

01:00:26,390 --> 01:00:23,040

with quantum mechanics it's to do with

1695

01:00:28,789 --> 01:00:26,400

us we evolved intuition where

1696

01:00:31,270 --> 01:00:28,799

intuition was um developed

1697

01:00:32,630 --> 01:00:31,280

through evolution by us learning to

1698

01:00:35,990 --> 01:00:32,640

understand that the russell of the

1699

01:00:37,829 --> 01:00:36,000

leaves is either wind or an animal

1700

01:00:39,829 --> 01:00:37,839

behind them or you know

1701

01:00:42,470 --> 01:00:39,839

stuff like that you know we we we

1702

01:00:44,630 --> 01:00:42,480

learned we evolved intuition in the

1703

01:00:47,349 --> 01:00:44,640

macro world that we live in

1704

01:00:48,950 --> 01:00:47,359

if we had evolved in a size that allows

1705

01:00:50,950 --> 01:00:48,960

to see what happens at a quantum level

1706

01:00:52,630 --> 01:00:50,960

we would be intuitive about that level

1707

01:00:55,109 --> 01:00:52,640

but we don't see that we don't need to

1708

01:00:56,710 --> 01:00:55,119

be intuitive about that so intuition is

1709

01:00:59,349 --> 01:00:56,720

those rules of thumb that have developed

1710

01:01:01,190 --> 01:00:59,359

in us through evolution and experience

1711

01:01:03,109 --> 01:01:01,200

and personal experience to simply make

1712

01:01:04,789 --> 01:01:03,119

decisions very very quickly

1713

01:01:06,870 --> 01:01:04,799

is is there something from intuition

1714

01:01:09,030 --> 01:01:06,880

that you know you won't do or get

1715

01:01:11,109 --> 01:01:09,040

involved in and

1716

01:01:13,430 --> 01:01:11,119

i'm not gonna i mean for me uh drinking

1717

01:01:15,430 --> 01:01:13,440

lambushka that is something that from

1718

01:01:17,589 --> 01:01:15,440

intuition in the past i know that

1719

01:01:18,789 --> 01:01:17,599

drinking lambrushka can often not end

1720

01:01:19,910 --> 01:01:18,799

well

1721

01:01:21,990 --> 01:01:19,920

um

1722

01:01:23,589 --> 01:01:22,000

talk about my time at the mossad because

1723

01:01:25,510 --> 01:01:23,599

you know what will happen if i do that

1724

01:01:27,030 --> 01:01:25,520

that's true yeah we're good also there's

1725

01:01:28,150 --> 01:01:27,040

a certain type i don't know maybe when

1726

01:01:29,589 --> 01:01:28,160

you're on the circuit when you were

1727

01:01:31,270 --> 01:01:29,599

dating around because you're a damn

1728

01:01:33,109 --> 01:01:31,280

good-looking man when you were dating

1729

01:01:35,030 --> 01:01:33,119

there's a kind of person you know from

1730

01:01:36,549 --> 01:01:35,040

one look not to talk to or even get

1731

01:01:38,390 --> 01:01:36,559

involved with even though they may seem

1732

01:01:39,670 --> 01:01:38,400

very attractive and quite attractive

1733

01:01:41,510 --> 01:01:39,680

there's just something about them you

1734

01:01:42,789 --> 01:01:41,520

know you shouldn't get involved with do

1735

01:01:45,430 --> 01:01:42,799

you remember that day from when you were

1736

01:01:48,549 --> 01:01:45,440

dating back in the day no

1737

01:01:52,069 --> 01:01:50,630

well we've got the the youngest member

1738

01:01:54,470 --> 01:01:52,079

here at the in the dinner section what's

1739

01:01:57,030 --> 01:01:54,480

your name rebecca and how old are you

1740

01:01:58,710 --> 01:01:57,040

i'm 12. okay now in your 12 years on

1741

01:02:00,390 --> 01:01:58,720

this planet what do you think intuition

1742

01:02:02,549 --> 01:02:00,400

is is there a is there something that

1743

01:02:03,990 --> 01:02:02,559

what's the last time you went uh oh i'm

1744

01:02:05,589 --> 01:02:04,000

not going to get into that or talk to

1745

01:02:06,789 --> 01:02:05,599

that person and why do you think you

1746

01:02:09,750 --> 01:02:06,799

thought that way

1747

01:02:11,349 --> 01:02:09,760

um well my friends told me like say

1748

01:02:13,349 --> 01:02:11,359

to not go in the back compartment of the

1749

01:02:15,589 --> 01:02:13,359

chain on the way home because some

1750

01:02:17,510 --> 01:02:15,599

people where people like don't look up

1751

01:02:19,750 --> 01:02:17,520

at them because then they might have a

1752

01:02:21,910 --> 01:02:19,760

chicken and talk to you so don't make

1753

01:02:23,430 --> 01:02:21,920

eye contact that it's in the simpsons

1754

01:02:25,109 --> 01:02:23,440

and it's actually true in life as well

1755

01:02:26,710 --> 01:02:25,119

there's some people you should back away

1756

01:02:28,950 --> 01:02:26,720

from not making eye contact that's a

1757

01:02:30,549 --> 01:02:28,960

good debt that's good advice

1758

01:02:32,309 --> 01:02:30,559

you've got street smarts there's a

1759

01:02:35,349 --> 01:02:32,319

certain a certain vibe or something that

1760

01:02:37,829 --> 01:02:35,359

they exude that that you know but not

1761

01:02:39,510 --> 01:02:37,839

yeah like sometimes people just it's in

1762

01:02:41,829 --> 01:02:39,520

the way that people kind of move like

1763

01:02:43,750 --> 01:02:41,839

you can kind of tell like you see them

1764

01:02:46,390 --> 01:02:43,760

as a really outgoing person on the way

1765

01:02:49,510 --> 01:02:46,400

they stand or like a really um under the

1766

01:02:52,309 --> 01:02:49,520

weather kind of like afraid of life kind

1767

01:02:53,750 --> 01:02:52,319

of person who's not really

1768

01:02:55,349 --> 01:02:53,760

out there and

1769

01:02:56,789 --> 01:02:55,359

there's an emo person who's looking at

1770

01:02:59,109 --> 01:02:56,799

the ground all the time and doesn't see

1771

01:03:01,670 --> 01:02:59,119

anybody ever yeah

1772

01:03:03,910 --> 01:03:01,680

yeah sometimes people like that but

1773

01:03:05,990 --> 01:03:03,920

that's okay yeah look intuition is very

1774

01:03:08,309 --> 01:03:06,000

important and i think you've got it

1775

01:03:09,990 --> 01:03:08,319

thank you

1776

01:03:11,910 --> 01:03:10,000

now we're here with our aeronautics uh

1777

01:03:14,549 --> 01:03:11,920

correspondent for skeptic zone who we

1778

01:03:16,069 --> 01:03:14,559

got mr robin hilliard robin you're great

1779

01:03:18,309 --> 01:03:16,079

in fact i think there isn't an episode

1780

01:03:19,670 --> 01:03:18,319

of flying upside down in the plane dying

1781

01:03:22,549 --> 01:03:19,680

that you haven't seen what about

1782

01:03:24,549 --> 01:03:22,559

intuition would intuition play any part

1783

01:03:27,029 --> 01:03:24,559

as a pilot

1784

01:03:28,870 --> 01:03:27,039

i have experienced intuition myself of

1785

01:03:30,950 --> 01:03:28,880

something being that the intuition that

1786

01:03:32,870 --> 01:03:30,960

something was wrong and turned around

1787

01:03:35,349 --> 01:03:32,880

and got a plane back to an airfield

1788

01:03:36,630 --> 01:03:35,359

before it the engine stopped so yes so

1789

01:03:37,829 --> 01:03:36,640

how did you know the engine was about to

1790

01:03:39,190 --> 01:03:37,839

go

1791

01:03:40,950 --> 01:03:39,200

um i

1792

01:03:43,349 --> 01:03:40,960

i summed up all the things that were

1793

01:03:45,430 --> 01:03:43,359

working okay and then rated that against

1794

01:03:47,109 --> 01:03:45,440

the things that weren't going okay and i

1795

01:03:47,990 --> 01:03:47,119

thought that's not enough things going

1796

01:03:51,029 --> 01:03:48,000

okay

1797

01:03:52,549 --> 01:03:51,039

so i i turned around at that point

1798

01:03:53,990 --> 01:03:52,559

no i think i i think this is probably a

1799

01:03:56,309 --> 01:03:54,000

good example i mean i've read the

1800

01:03:59,190 --> 01:03:56,319

malcolm gladwell sort of books and so i

1801
01:04:00,710 --> 01:03:59,200
sort of have a bit of a i have a so i've

1802
01:04:03,430 --> 01:04:00,720
read a bit about this and i sort of

1803
01:04:05,270 --> 01:04:03,440
agree that intuition is that which you

1804
01:04:07,990 --> 01:04:05,280
don't it's a decision that you make

1805
01:04:09,430 --> 01:04:08,000
subconsciously um based on learned

1806
01:04:11,349 --> 01:04:09,440
experience there's nothing nothing

1807
01:04:13,190 --> 01:04:11,359
paranormal about it it's probably more

1808
01:04:15,510 --> 01:04:13,200
the neural networks in your brain just

1809
01:04:17,349 --> 01:04:15,520
sort of triggering enough of a learned

1810
01:04:19,349 --> 01:04:17,359
response and you paying attention to

1811
01:04:22,069 --> 01:04:19,359
that without having come consciously to

1812
01:04:23,670 --> 01:04:22,079
that to that decision yourself now if

1813
01:04:25,190 --> 01:04:23,680

someone's flying a much more complicated

1814

01:04:26,789 --> 01:04:25,200

plan like one of the new airbus or

1815

01:04:28,309 --> 01:04:26,799

something like that is there any room

1816

01:04:30,230 --> 01:04:28,319

for intuition in that or is everything

1817

01:04:31,910 --> 01:04:30,240

just so looked after that

1818

01:04:33,990 --> 01:04:31,920

you can't actually have intuition in a

1819

01:04:35,589 --> 01:04:34,000

complex machine like that

1820

01:04:38,150 --> 01:04:35,599

i think the pilots are there for the

1821

01:04:40,309 --> 01:04:38,160

intuition although i'm sadly sometimes

1822

01:04:42,470 --> 01:04:40,319

like in the most recent airbus crashes

1823

01:04:44,710 --> 01:04:42,480

they've sort of failed in that regard

1824

01:04:46,470 --> 01:04:44,720

very very very tragically but um

1825

01:04:47,990 --> 01:04:46,480

no i think that's why that's why you're

1826
01:04:49,910 --> 01:04:48,000
there because at the end of the day it's

1827
01:04:51,990 --> 01:04:49,920
a system and the system can't get

1828
01:04:54,789 --> 01:04:52,000
creative and you need the intuition

1829
01:04:56,150 --> 01:04:54,799
there to actually to actually say

1830
01:04:57,270 --> 01:04:56,160
because it's because you have to make

1831
01:04:59,589 --> 01:04:57,280
those it's for the split second

1832
01:05:01,349 --> 01:04:59,599
decisions that you can't make in a

1833
01:05:03,990 --> 01:05:01,359
system it's like when they're doing it

1834
01:05:07,029 --> 01:05:04,000
doing the hudson the hudson landing and

1835
01:05:08,710 --> 01:05:07,039
the guy forgot to seal off the uh the

1836
01:05:10,390 --> 01:05:08,720
watertight compartment for the luggage

1837
01:05:11,910 --> 01:05:10,400
and he's the guy who used to train

1838
01:05:13,029 --> 01:05:11,920

people to seal off the watertight

1839

01:05:15,190 --> 01:05:13,039

compartment for the luggage and he

1840

01:05:17,029 --> 01:05:15,200

forgot to do it i i find that amazing i

1841

01:05:19,109 --> 01:05:17,039

mean i imagine i couldn't do it but why

1842

01:05:21,349 --> 01:05:19,119

didn't he do it when that was yeah

1843

01:05:22,789 --> 01:05:21,359

i could easily understand forgetting

1844

01:05:25,349 --> 01:05:22,799

forgetting things or not or not

1845

01:05:27,670 --> 01:05:25,359

realizing um not realizing that

1846

01:05:29,589 --> 01:05:27,680

something was happening in in in my i

1847

01:05:31,750 --> 01:05:29,599

mean i realized there was a crash at

1848

01:05:33,109 --> 01:05:31,760

canleyvale a few years back where they

1849

01:05:34,710 --> 01:05:33,119

had to get back to

1850

01:05:36,470 --> 01:05:34,720

bankstown because all the other airports

1851
01:05:38,630 --> 01:05:36,480
had been closed by property developers

1852
01:05:39,829 --> 01:05:38,640
but um my crash was quite similar to

1853
01:05:41,750 --> 01:05:39,839
them except they had two engines and

1854
01:05:44,470 --> 01:05:41,760
they had the unbelievable bad luck of

1855
01:05:45,990 --> 01:05:44,480
two engines failing at the same time but

1856
01:05:47,990 --> 01:05:46,000
for me all the instruments were actually

1857
01:05:50,549 --> 01:05:48,000
saying that everything was okay and it's

1858
01:05:52,630 --> 01:05:50,559
only just summing up saying no but the

1859
01:05:55,109 --> 01:05:52,640
airplane isn't climbing at the end of

1860
01:05:57,829 --> 01:05:55,119
the day it's not performing and nothing

1861
01:05:58,789 --> 01:05:57,839
in front of me um until later when we

1862
01:06:00,230 --> 01:05:58,799
started

1863
01:06:01,430 --> 01:06:00,240

things that are definitely going wrong

1864

01:06:02,789 --> 01:06:01,440

nothing in front of me told me anything

1865

01:06:05,910 --> 01:06:02,799

the oil's squirting on the windscreen

1866

01:06:07,190 --> 01:06:05,920

bit of a giveaway that was near the end

1867

01:06:09,589 --> 01:06:07,200

but it was oil you just weren't really

1868

01:06:11,750 --> 01:06:09,599

scared uh no that was that was that was

1869

01:06:13,270 --> 01:06:11,760

definitely oil the front seal burst very

1870

01:06:14,789 --> 01:06:13,280

suddenly and it was fly and i was

1871

01:06:16,789 --> 01:06:14,799

landing into the setting sun so that was

1872

01:06:18,870 --> 01:06:16,799

quite exciting but um but it just made

1873

01:06:20,789 --> 01:06:18,880

everything sort of like rosy haze

1874

01:06:22,950 --> 01:06:20,799

vaseline sort of thing it wasn't black

1875

01:06:25,109 --> 01:06:22,960

it wasn't like bugs bunny

1876

01:06:26,789 --> 01:06:25,119

it's never boring with you is it no no

1877

01:06:29,029 --> 01:06:26,799

and i have to later on i was just i have

1878

01:06:30,309 --> 01:06:29,039

to show you my photos from pearl harbor

1879

01:06:32,230 --> 01:06:30,319

i know because i went there we went to

1880

01:06:34,710 --> 01:06:32,240

hawaii on the holidays so you'll want to

1881

01:06:58,870 --> 01:06:34,720

see some of my pearl harbor photos

1882

01:07:03,109 --> 01:07:01,109

thank you for listening to the skeptic

1883

01:07:04,789 --> 01:07:03,119

zone and thank you once again for

1884

01:07:05,910 --> 01:07:04,799

maynard for lots of very interesting

1885

01:07:08,309 --> 01:07:05,920

reports

1886

01:07:09,990 --> 01:07:08,319

on this week's show

1887

01:07:10,870 --> 01:07:10,000

of course you can check out maynard's

1888

01:07:14,069 --> 01:07:10,880

other

1889

01:07:16,230 --> 01:07:14,079

podcasts and activities at maynard.com

1890

01:07:18,630 --> 01:07:16,240

dot a u where he has some interviews

1891

01:07:21,990 --> 01:07:18,640

with more people from red dwarf

1892

01:07:24,069 --> 01:07:22,000

and deep space nine star trek

1893

01:07:26,470 --> 01:07:24,079

now that storm is still threatening to

1894

01:07:27,910 --> 01:07:26,480

storm outside the uh

1895

01:07:29,829 --> 01:07:27,920

i think i'm in the eye of the storm at

1896

01:07:31,990 --> 01:07:29,839

the moment it's a little bit freaky

1897

01:07:36,069 --> 01:07:32,000

now before i wrap up the show

1898

01:07:39,670 --> 01:07:37,910

to visit the rationalist society of

1899

01:07:42,870 --> 01:07:39,680

australia and find out about the

1900

01:07:44,950 --> 01:07:42,880

upcoming tour by sean faircloth

1901

01:07:46,150 --> 01:07:44,960

australia and new zealand more

1902

01:07:48,309 --> 01:07:46,160

information

1903

01:07:50,630 --> 01:07:48,319

at the rationalist website

1904

01:07:52,950 --> 01:07:50,640

but for now with with heartfelt thanks

1905

01:07:56,870 --> 01:07:52,960

to all those people who do chip in uh

1906

01:08:01,910 --> 01:07:59,910

with a dollar a week or a bit more

1907

01:08:02,950 --> 01:08:01,920

thank you very much it's people like you

1908

01:08:05,270 --> 01:08:02,960

who help

1909

01:08:07,349 --> 01:08:05,280

make the show possible this is richard

1910

01:08:12,390 --> 01:08:07,359

saunders signing off from sydney

1911

01:08:15,589 --> 01:08:14,069

you've been listening to the skeptic

1912

01:08:20,390 --> 01:08:15,599

zone