

1
00:00:05,929 --> 00:00:13,699
welcome to the skeptic zone the podcast

2
00:00:09,089 --> 00:00:13,699
from Australia for science and reason

3
00:00:21,649 --> 00:00:27,769
hello and welcome to the skeptic zone

4
00:00:24,449 --> 00:00:30,599
episode number 298 for the sixth of July

5
00:00:27,769 --> 00:00:35,070
2014 Richardson's here with you from the

6
00:00:30,599 --> 00:00:37,049
San Francisco Bay Area just putting my

7
00:00:35,070 --> 00:00:38,460
feet up or putting my feet down actually

8
00:00:37,049 --> 00:00:40,649
in doing a lot of walking around the Bay

9
00:00:38,460 --> 00:00:43,439
Area well I get ready for the amazing

10
00:00:40,649 --> 00:00:46,588
meeting which starts in a oh just a few

11
00:00:43,439 --> 00:00:48,238
days in Las Vegas more about that more

12
00:00:46,588 --> 00:00:50,460
about that in the coming weeks where

13
00:00:48,238 --> 00:00:52,229
i'll be sure to be bringing you many

14
00:00:50,460 --> 00:00:54,750
interviews with some of the interesting

15
00:00:52,229 --> 00:00:56,669
skeptics and other people that are go to

16
00:00:54,750 --> 00:00:59,039
the amazing meeting might even get a

17
00:00:56,670 --> 00:01:01,500
interview with james randi himself and

18
00:00:59,039 --> 00:01:03,840
speaking of james randi i talked about

19
00:01:01,500 --> 00:01:05,629
james randi a little later on in the

20
00:01:03,840 --> 00:01:08,039
show dude this and sort of

21
00:01:05,629 --> 00:01:09,929
higgledy-piggledy order at the end of

22
00:01:08,039 --> 00:01:12,179
this wing show at the end of this week's

23
00:01:09,930 --> 00:01:15,690
show there's a radio interview with me i

24
00:01:12,179 --> 00:01:19,439
was here in the san francisco area sort

25
00:01:15,689 --> 00:01:21,689
of channel surfing on my internet radio

26
00:01:19,439 --> 00:01:24,239
where I happened to hear one of the

27
00:01:21,689 --> 00:01:26,640
Sydney announcers talking about John

28
00:01:24,239 --> 00:01:28,949
Edward and talking with the dead I gave

29

00:01:26,640 --> 00:01:30,599
him a call and Dirk well for the next 20

30
00:01:28,950 --> 00:01:32,159
minutes or so he interviewed me about

31
00:01:30,599 --> 00:01:35,250
all sorts of things and we took some

32
00:01:32,159 --> 00:01:38,189
talk back some call back that's coming

33
00:01:35,250 --> 00:01:40,409
up at the end of this week's show me on

34
00:01:38,189 --> 00:01:42,359
australian radio with presenter Luke

35
00:01:40,409 --> 00:01:44,280
boner what else is coming up in this

36
00:01:42,359 --> 00:01:45,569
week's show well we've got a week in

37
00:01:44,280 --> 00:01:48,478
science of course from the Royal

38
00:01:45,569 --> 00:01:51,118
Institution of Australia as we always do

39
00:01:48,478 --> 00:01:54,420
we have a guest reporter Kevin Davies

40
00:01:51,118 --> 00:01:57,420
from Canberra who did a wonderful job in

41
00:01:54,420 --> 00:01:59,399
helping put together the Australian

42
00:01:57,420 --> 00:02:01,469
skeptics national convention last year

43
00:01:59,399 --> 00:02:03,390

Kevin's going to be talking to Kylie

44

00:02:01,469 --> 00:02:06,659

Walker from the Australian Academy of

45

00:02:03,390 --> 00:02:09,449

Science about helping to promote women

46

00:02:06,659 --> 00:02:11,579

in science promoting women in science

47

00:02:09,449 --> 00:02:13,409

coming up somewhere in the middle of

48

00:02:11,580 --> 00:02:14,580

this week's episode but we're going to

49

00:02:13,409 --> 00:02:16,590

kick off we're going to start with

50

00:02:14,580 --> 00:02:19,020

evidence please with Joe alabaster

51

00:02:16,590 --> 00:02:20,340

what's in your food that's what I want

52

00:02:19,020 --> 00:02:23,819

to know what's in your food food

53

00:02:20,340 --> 00:02:25,289

additives hmm what's going on with food

54

00:02:23,818 --> 00:02:27,439

additives are they good for you are they

55

00:02:25,289 --> 00:02:30,900

bad for you what does the science say

56

00:02:27,439 --> 00:02:32,549

evidence please with Joe alabaster now I

57

00:02:30,900 --> 00:02:33,980

tried some interesting food a few days

58
00:02:32,549 --> 00:02:37,219
ago down in

59
00:02:33,979 --> 00:02:40,250
downtown San Francisco there's a new

60
00:02:37,219 --> 00:02:44,930
store opened i think it's called pepper

61
00:02:40,250 --> 00:02:47,449
palace chemical us it's a talk about a

62
00:02:44,930 --> 00:02:50,540
moth to the flame it's a whole store

63
00:02:47,449 --> 00:02:53,689
devoted to hot chili sauces my goodness

64
00:02:50,539 --> 00:02:55,699
me oh my goodness me so of course I

65
00:02:53,689 --> 00:02:59,060
couldn't resist I had a look tried a few

66
00:02:55,699 --> 00:03:00,619
woof I tried their flashbang sauce and

67
00:02:59,060 --> 00:03:04,189
they don't call it flash bang for

68
00:03:00,620 --> 00:03:06,230
nothing I've had some hot sauces in my

69
00:03:04,189 --> 00:03:07,489
times folks Dave's insanity sauce some

70
00:03:06,229 --> 00:03:10,759
of you might know that it's been a long

71
00:03:07,489 --> 00:03:14,030
time favorite but this stuff was like

72
00:03:10,759 --> 00:03:16,429
nothing I'd never tried before certainly

73
00:03:14,030 --> 00:03:18,680
the hottest hot sauce I've ever tasted

74
00:03:16,430 --> 00:03:21,680
but it's always nice to wander around

75
00:03:18,680 --> 00:03:25,219
San Francisco and have that famous sacks

76
00:03:21,680 --> 00:03:28,700
and China in the sourdough bowl so more

77
00:03:25,219 --> 00:03:31,549
from me at the end of the show about the

78
00:03:28,699 --> 00:03:33,768
vaccination chronicles documentary and

79
00:03:31,549 --> 00:03:36,500
the amazing meeting but right now it's

80
00:03:33,769 --> 00:03:38,750
time for me to run upstairs look in the

81
00:03:36,500 --> 00:03:43,068
fridge not for chili sauce but for some

82
00:03:38,750 --> 00:03:45,379
nice harm calming soothing vanilla

83
00:03:43,068 --> 00:03:47,750
yogurt which does wonders after you've

84
00:03:45,379 --> 00:03:51,370
eaten chili sauce well I do that I hope

85
00:03:47,750 --> 00:03:51,370
you enjoy the skeptics am

86

00:04:05,629 --> 00:04:13,359
what we want is some more evidence

87
00:04:08,569 --> 00:04:13,359
please is Joe alabaster

88
00:04:16,480 --> 00:04:20,739
hello this is Joe alabaster

89
00:04:21,019 --> 00:04:26,069
here in Australia food authorities have

90
00:04:23,759 --> 00:04:29,909
deemed that common allergens such as

91
00:04:26,069 --> 00:04:32,610
crustaceans eggs fish milk peanuts soy

92
00:04:29,910 --> 00:04:34,860
beans tree nuts sesame seeds and their

93
00:04:32,610 --> 00:04:37,199
products must be declared in product

94
00:04:34,860 --> 00:04:38,819
ingredient lists clearly in order to

95
00:04:37,199 --> 00:04:41,060
allow consumers to be aware of their

96
00:04:38,819 --> 00:04:43,589
presence and avoid them as they need to

97
00:04:41,060 --> 00:04:46,168
royal jelly is another allergen which

98
00:04:43,589 --> 00:04:47,849
while uncommon must be noted on labels

99
00:04:46,168 --> 00:04:50,819
as an ingredient due to the seriousness

100
00:04:47,850 --> 00:04:52,860

of allergic reactions gluten and

101

00:04:50,819 --> 00:04:54,659

sulfites also feature on ingredients

102

00:04:52,860 --> 00:04:56,610

lists for the sake of people with

103

00:04:54,660 --> 00:04:59,930

medically diagnosed conditions such as

104

00:04:56,610 --> 00:05:02,069

celiac disease and sulfate intolerance

105

00:04:59,930 --> 00:05:03,660

alongside this better known and

106

00:05:02,069 --> 00:05:05,040

understood ingredients of potential

107

00:05:03,660 --> 00:05:06,660

concern to people with medical

108

00:05:05,040 --> 00:05:09,150

conditions involving allergies and

109

00:05:06,660 --> 00:05:11,130

sensitivities Australia also has a list

110

00:05:09,149 --> 00:05:13,019

of five ingredients which must be noted

111

00:05:11,129 --> 00:05:15,060

on a separate advisory and warning

112

00:05:13,019 --> 00:05:17,189

statement often found in a large

113

00:05:15,060 --> 00:05:20,250

typeface near the ingredient list the

114

00:05:17,189 --> 00:05:23,879

five items are a spot m which is labeled

115
00:05:20,250 --> 00:05:26,220
as contains phenylalanine added caffeine

116
00:05:23,879 --> 00:05:29,360
and cola drinks which labeled contains

117
00:05:26,220 --> 00:05:33,419
caffeine gharana also contains caffeine

118
00:05:29,360 --> 00:05:35,490
quinlan contains crinia unpasteurized

119
00:05:33,418 --> 00:05:38,759
egg and milk products which are labeled

120
00:05:35,490 --> 00:05:40,860
as unpasteurized today I'd like to take

121
00:05:38,759 --> 00:05:42,389
a look at these ingredients whether we

122
00:05:40,860 --> 00:05:43,889
should be concerned by their presence in

123
00:05:42,389 --> 00:05:47,490
the products that we eat and drink and

124
00:05:43,889 --> 00:05:49,139
why it is that we label them of the

125
00:05:47,490 --> 00:05:51,150
substances which require mandatory

126
00:05:49,139 --> 00:05:53,280
advisory warning statements here in

127
00:05:51,149 --> 00:05:55,679
Australia none is surrounded by as much

128
00:05:53,279 --> 00:05:58,168
controversy and miss informed concern as

129
00:05:55,680 --> 00:06:01,288
the artificial sweetener aspartame it

130
00:05:58,168 --> 00:06:03,299
was first synthesized in 1965 and sought

131
00:06:01,288 --> 00:06:07,050
under the brand name nutrasweet though

132
00:06:03,300 --> 00:06:08,728
the patent expired in 1992 many claims

133
00:06:07,050 --> 00:06:11,098
have been made over the years about the

134
00:06:08,728 --> 00:06:12,389
dangers of aspartame and as a result it

135
00:06:11,098 --> 00:06:14,788
is one of the most highly scrutinized

136
00:06:12,389 --> 00:06:16,560
food additives the subject of numerous

137
00:06:14,788 --> 00:06:18,750
animal studies clinical and

138
00:06:16,560 --> 00:06:21,569
epidemiological research as well as

139
00:06:18,750 --> 00:06:23,449
post-marketing surveillance and yet the

140
00:06:21,569 --> 00:06:26,069
ant is bottom claims don't go away

141
00:06:23,449 --> 00:06:28,649
Google a spot home and the second search

142
00:06:26,069 --> 00:06:30,269
result is mock haulers website in which

143

00:06:28,649 --> 00:06:32,098
he claims that aspartame causes

144
00:06:30,269 --> 00:06:33,669
everything from slurred speech to

145
00:06:32,098 --> 00:06:35,560
numbness to depression

146
00:06:33,670 --> 00:06:38,100
and chronic illnesses such as mental

147
00:06:35,560 --> 00:06:40,000
retardation birth defects lymphoma

148
00:06:38,100 --> 00:06:42,550
Parkinson's disease and multiple

149
00:06:40,000 --> 00:06:44,980
sclerosis can be triggered or worsened

150
00:06:42,550 --> 00:06:48,069
by the ingestion of aspartame yet

151
00:06:44,980 --> 00:06:50,620
another case of anything syndrome the

152
00:06:48,069 --> 00:06:52,240
aspartame controversy has its dubbed has

153
00:06:50,620 --> 00:06:54,879
been around since it was first approved

154
00:06:52,240 --> 00:06:57,100
for human consumption by the FDA fueled

155
00:06:54,879 --> 00:06:59,439
by dodgy media reports the most famous

156
00:06:57,100 --> 00:07:01,090
being US 60 minutes episode in which it

157
00:06:59,439 --> 00:07:02,889

was suggested that there was a causal

158

00:07:01,089 --> 00:07:05,339

link between brain tumors in this bottom

159

00:07:02,889 --> 00:07:07,629

no such link has ever been found an

160

00:07:05,339 --> 00:07:10,149

unsourced hoax email written by a

161

00:07:07,629 --> 00:07:12,399

non-existent Nancy Michael which claims

162

00:07:10,149 --> 00:07:15,069

a conspiracy between Monsanto in the FDA

163

00:07:12,399 --> 00:07:18,509

and a seemingly endless run of anti

164

00:07:15,069 --> 00:07:20,980

esparto memes spread via social media

165

00:07:18,509 --> 00:07:22,899

public pressure driven by fear and

166

00:07:20,980 --> 00:07:24,879

misinformation has had an effect on the

167

00:07:22,899 --> 00:07:26,889

market several supermarket chains

168

00:07:24,879 --> 00:07:29,469

worldwide have removed aspartame from

169

00:07:26,889 --> 00:07:31,449

their own brand products likewise

170

00:07:29,470 --> 00:07:33,910

concerns about aspartame have driven

171

00:07:31,449 --> 00:07:37,000

fruit authorities worldwide to conduct

172
00:07:33,910 --> 00:07:39,160
studies more studies and revaluations of

173
00:07:37,000 --> 00:07:41,829
studies on the safety of a spot em

174
00:07:39,160 --> 00:07:44,200
alongside msg aspartame is one of the

175
00:07:41,829 --> 00:07:46,779
world's most studied food additives the

176
00:07:44,199 --> 00:07:48,759
results espanto imposes no toxicity

177
00:07:46,779 --> 00:07:52,239
concerns for consumers at current levels

178
00:07:48,759 --> 00:07:54,879
of exposure FDA officials have described

179
00:07:52,240 --> 00:07:56,530
aspartame as quote one of the most

180
00:07:54,879 --> 00:07:58,540
thoroughly tested and studied food

181
00:07:56,529 --> 00:08:01,179
additives the agency has ever approved

182
00:07:58,540 --> 00:08:05,500
to end quote and it's safety as quote

183
00:08:01,180 --> 00:08:07,480
clear-cut end quote so what has

184
00:08:05,500 --> 00:08:10,120
aspartame earned a spot on the advisory

185
00:08:07,480 --> 00:08:12,220
and warning statements list while

186
00:08:10,120 --> 00:08:14,620
aspartame presents no health concerns

187
00:08:12,220 --> 00:08:16,900
for the vast majority of consumers there

188
00:08:14,620 --> 00:08:19,420
is a medical condition which requires an

189
00:08:16,899 --> 00:08:22,719
awareness of its presence the genetic

190
00:08:19,420 --> 00:08:25,090
disorder phenylketonuria or PKU occurs

191
00:08:22,720 --> 00:08:26,650
when two mutated copies of the PK Eugene

192
00:08:25,089 --> 00:08:28,829
fail to produce the enzyme which

193
00:08:26,649 --> 00:08:32,860
metabolizes the amino acid phenylalanine

194
00:08:28,829 --> 00:08:34,809
a component of aspartame PKU is a

195
00:08:32,860 --> 00:08:36,580
serious condition and in many countries

196
00:08:34,809 --> 00:08:39,219
it is screened for with a heel prick

197
00:08:36,580 --> 00:08:42,240
test at birth in Australia the incidence

198
00:08:39,220 --> 00:08:44,710
of PKU in newborns is around 1 in 10,000

199
00:08:42,240 --> 00:08:46,950
with detection and treatment children

200

00:08:44,710 --> 00:08:49,920
with PKU can grow and develop normally

201
00:08:46,950 --> 00:08:52,379
but left undetected and untreated excess

202
00:08:49,919 --> 00:08:54,779
levels of phenylalanine accumulating the

203
00:08:52,379 --> 00:08:56,129
blood and cause brain damage an infant

204
00:08:54,779 --> 00:08:58,409
can develop severe intellectual

205
00:08:56,129 --> 00:09:00,929
disability abnormalities in brain

206
00:08:58,409 --> 00:09:03,209
function mood disorders irregular motor

207
00:09:00,929 --> 00:09:06,449
function microcephaly and behavioral

208
00:09:03,210 --> 00:09:08,460
issues as such people diagnosed with PKU

209
00:09:06,450 --> 00:09:10,140
must be carefully monitored and

210
00:09:08,460 --> 00:09:12,690
diligently follow a phenylalanine

211
00:09:10,139 --> 00:09:14,850
restricted diet of supplementing with a

212
00:09:12,690 --> 00:09:17,520
medical formula containing amino acids

213
00:09:14,850 --> 00:09:19,800
and other nutrients it is vital to the

214
00:09:17,519 --> 00:09:21,779

health of people with PKU and their

215

00:09:19,799 --> 00:09:23,939

carers that they be aware of any

216

00:09:21,779 --> 00:09:26,699

phenylalanine contained within foods and

217

00:09:23,940 --> 00:09:30,030

beverages consumed hence the labeling of

218

00:09:26,700 --> 00:09:32,070

aspartame and other substance on the

219

00:09:30,029 --> 00:09:35,069

advisory and warning statements list is

220

00:09:32,070 --> 00:09:37,050

caffeine be it added to Cola or in the

221

00:09:35,070 --> 00:09:38,879

form of gharana the seeds of which

222

00:09:37,049 --> 00:09:42,120

contain around twice the concentration

223

00:09:38,879 --> 00:09:44,429

of caffeine as coffee beans caffeine is

224

00:09:42,120 --> 00:09:47,009

also found in tea energy drinks

225

00:09:44,429 --> 00:09:49,079

chocolate products and believe it or not

226

00:09:47,009 --> 00:09:52,110

there are trace amounts still found in

227

00:09:49,080 --> 00:09:54,750

decaf coffee while caffeine isn't

228

00:09:52,110 --> 00:09:56,310

necessarily bad in and of itself people

229
00:09:54,750 --> 00:09:58,320
may wish to pay attention to how much

230
00:09:56,309 --> 00:09:59,939
they're consuming caffeine is a

231
00:09:58,320 --> 00:10:01,830
stimulant which act from the brain and

232
00:09:59,940 --> 00:10:04,530
nervous system and it is possible to

233
00:10:01,830 --> 00:10:05,850
develop caffeine dependency withdrawal

234
00:10:04,529 --> 00:10:08,939
symptoms can include tiredness

235
00:10:05,850 --> 00:10:11,399
crankiness headaches sweating and muscle

236
00:10:08,940 --> 00:10:13,740
pain depending on an individual

237
00:10:11,399 --> 00:10:16,470
sensitivity caffeine can interfere with

238
00:10:13,740 --> 00:10:18,360
sleep cause anxiety and in excessive

239
00:10:16,470 --> 00:10:20,279
doses palpitations and trembling

240
00:10:18,360 --> 00:10:22,440
pregnant women should discuss their

241
00:10:20,279 --> 00:10:23,699
caffeine intake with their doctor and

242
00:10:22,440 --> 00:10:25,680
while there are no professional

243
00:10:23,700 --> 00:10:27,780
guidelines regarding children's caffeine

244
00:10:25,679 --> 00:10:29,809
intake parents should be aware that it

245
00:10:27,779 --> 00:10:33,089
can cause symptoms such as irritability

246
00:10:29,809 --> 00:10:34,739
sleeplessness and stomach upset the

247
00:10:33,090 --> 00:10:37,740
labeling of caffeine allows us to

248
00:10:34,740 --> 00:10:39,419
monitor our intake as we see fit perhaps

249
00:10:37,740 --> 00:10:41,460
I should declare a potential invested

250
00:10:39,419 --> 00:10:43,019
interest here much caffeine has gone

251
00:10:41,460 --> 00:10:44,970
into the writing of this report I

252
00:10:43,019 --> 00:10:46,949
haven't yet been offered a sponsorship

253
00:10:44,970 --> 00:10:50,460
deal from a coffee company but I suspect

254
00:10:46,950 --> 00:10:52,830
it's only a matter of time next Quinn

255
00:10:50,460 --> 00:10:54,990
teen Queenan is the substance with a

256
00:10:52,830 --> 00:10:57,720
fascinating history it has fever

257

00:10:54,990 --> 00:10:59,970
reducing analgesic anti-inflammatory and

258
00:10:57,720 --> 00:11:00,899
anti-malarial properties and occurs

259
00:10:59,970 --> 00:11:03,600
naturally in the

260
00:11:00,899 --> 00:11:05,669
bark of the chin china tree cinchona

261
00:11:03,600 --> 00:11:08,069
bark was used as a traditional medicine

262
00:11:05,669 --> 00:11:10,049
in Peru and Bolivia before being brought

263
00:11:08,068 --> 00:11:12,389
to Europe in the 17th century and

264
00:11:10,049 --> 00:11:15,568
remained a primary anti-malarial drug of

265
00:11:12,389 --> 00:11:18,329
choice until the 1940s when it has a

266
00:11:15,568 --> 00:11:20,248
distinct bitter flavor most recognizable

267
00:11:18,328 --> 00:11:22,588
in tonic water which was indeed

268
00:11:20,249 --> 00:11:26,399
developed as a tonic intended for use as

269
00:11:22,589 --> 00:11:28,589
a prophylactic against malaria in the

270
00:11:26,399 --> 00:11:30,869
early 1800s a British officer in

271
00:11:28,589 --> 00:11:33,629

colonial India came up with the idea of

272

00:11:30,869 --> 00:11:36,139

adding gin tonic water in an effort to

273

00:11:33,629 --> 00:11:38,550

make the tonic water more palatable

274

00:11:36,139 --> 00:11:40,079

modern tonic water tends to have a lower

275

00:11:38,549 --> 00:11:41,998

quinin content than the original

276

00:11:40,078 --> 00:11:43,618

medicinal tonic water and is often

277

00:11:41,999 --> 00:11:46,800

sweetened with sugar or artificial

278

00:11:43,619 --> 00:11:48,509

sweeteners indeed the FDA in the USA

279

00:11:46,799 --> 00:11:51,378

have limited the quinin content of

280

00:11:48,509 --> 00:11:53,639

tonic water to 83 milligrams per liter

281

00:11:51,379 --> 00:11:55,699

therapeutic doses are in the range of

282

00:11:53,639 --> 00:11:58,379

five hundred to a thousand milligrams

283

00:11:55,698 --> 00:12:00,208

quinin in itself is often synthesized

284

00:11:58,379 --> 00:12:02,428

these days but there are still natural

285

00:12:00,208 --> 00:12:03,868

quinin products which have precisely

286
00:12:02,428 --> 00:12:06,438
the same chemical make up the

287
00:12:03,869 --> 00:12:08,999
synthesized core name on the market in

288
00:12:06,438 --> 00:12:10,769
the past quinnian was listed on the

289
00:12:08,999 --> 00:12:13,170
australian pharmaceutical Benefits

290
00:12:10,769 --> 00:12:15,839
Scheme as a medication for reducing the

291
00:12:13,169 --> 00:12:18,628
severity and frequency of nighttime leg

292
00:12:15,839 --> 00:12:21,360
cramps this recommendation was revoked

293
00:12:18,629 --> 00:12:24,028
in 2004 due to its efficacy being

294
00:12:21,360 --> 00:12:26,909
marginal at best an unfavorable harm

295
00:12:24,028 --> 00:12:28,980
benefit profile Quinnian is still

296
00:12:26,909 --> 00:12:31,379
prescribed as part of some anti-malarial

297
00:12:28,980 --> 00:12:33,178
treatments the use for therapeutic doses

298
00:12:31,379 --> 00:12:35,129
of queen anne is associated with many

299
00:12:33,178 --> 00:12:36,629
risks however and patients should be

300
00:12:35,129 --> 00:12:40,230
monitored carefully for signs and

301
00:12:36,629 --> 00:12:42,089
symptoms of adverse events consumer

302
00:12:40,230 --> 00:12:44,579
products containing very low amounts of

303
00:12:42,089 --> 00:12:46,740
quinn ian carey few risks when used as a

304
00:12:44,578 --> 00:12:49,399
mixer for alcoholic beverages the

305
00:12:46,740 --> 00:12:52,379
alcohol is likely of greater concern

306
00:12:49,399 --> 00:12:54,958
however there are people with medically

307
00:12:52,379 --> 00:12:56,819
diagnosed Queen Ian sensitivities who

308
00:12:54,958 --> 00:12:59,818
should avoid or restrict queen in intake

309
00:12:56,818 --> 00:13:01,588
as per their doctor's advice Queen Anne

310
00:12:59,818 --> 00:13:03,948
should also be avoided by people

311
00:13:01,589 --> 00:13:05,790
diagnosed with the metabolic disorder

312
00:13:03,948 --> 00:13:08,519
glucose-6-phosphate dehydrogenase

313
00:13:05,789 --> 00:13:12,870
deficiency which effects red blood cell

314

00:13:08,519 --> 00:13:14,490
metabolism finally on the Obey Zuri and

315
00:13:12,870 --> 00:13:17,240
warning statements list

316
00:13:14,490 --> 00:13:20,310
our unpasteurized egg and milk products

317
00:13:17,240 --> 00:13:22,709
the sale of raw milk from cows for human

318
00:13:20,309 --> 00:13:24,659
consumption is illegal in Australia but

319
00:13:22,708 --> 00:13:26,789
it can still be sold if labeled as a

320
00:13:24,659 --> 00:13:28,230
beauty product and there are kasam

321
00:13:26,789 --> 00:13:30,360
consumers out there who are willing to

322
00:13:28,230 --> 00:13:32,310
seek it out under the Miss help belief

323
00:13:30,360 --> 00:13:34,470
the pasteurization of milk renders it

324
00:13:32,309 --> 00:13:37,439
less healthy to consume quite the

325
00:13:34,470 --> 00:13:38,970
opposite strew it is however possible to

326
00:13:37,440 --> 00:13:41,700
purchase raw goat's milk for human

327
00:13:38,970 --> 00:13:43,589
consumption some cheeses made with

328
00:13:41,700 --> 00:13:45,149

unpasteurized cow's milk have been

329

00:13:43,589 --> 00:13:46,490

approved for production by Food

330

00:13:45,149 --> 00:13:49,830

Standards Australia New Zealand

331

00:13:46,490 --> 00:13:51,750

following risk assessment of course roar

332

00:13:49,830 --> 00:13:53,430

eggs and the norm on our shelves though

333

00:13:51,750 --> 00:13:54,929

pasteurized egg products for cleaning

334

00:13:53,429 --> 00:13:58,620

purposes can be found in some

335

00:13:54,929 --> 00:14:00,629

supermarket dairy cabinets unpasteurized

336

00:13:58,620 --> 00:14:03,389

egg and milk run a higher risk of

337

00:14:00,629 --> 00:14:05,149

contamination with pathogens Salmonella

338

00:14:03,389 --> 00:14:08,669

can be present in uncooked eggs

339

00:14:05,149 --> 00:14:11,389

salmonella Campylobacter jejuni Listeria

340

00:14:08,669 --> 00:14:14,129

and E coli in raw milk and soft cheeses

341

00:14:11,389 --> 00:14:16,949

toxoplasmosis the cat poo pathogen in

342

00:14:14,129 --> 00:14:18,958

raw goat's milk people who choose to

343
00:14:16,950 --> 00:14:20,610
consume unpasteurized dairy and eggs

344
00:14:18,958 --> 00:14:22,528
should be aware of the risk of serious

345
00:14:20,610 --> 00:14:25,169
poisoning that comes with their decision

346
00:14:22,528 --> 00:14:27,360
particularly if they are elderly in any

347
00:14:25,169 --> 00:14:30,000
way infirm or planning on giving such

348
00:14:27,360 --> 00:14:31,500
foods to children under their care none

349
00:14:30,000 --> 00:14:33,679
of these groups of people are able to

350
00:14:31,500 --> 00:14:36,120
handle the resulting young as well

351
00:14:33,679 --> 00:14:37,439
guidelines recommend the pregnant women

352
00:14:36,120 --> 00:14:39,450
should take special care to avoid

353
00:14:37,440 --> 00:14:41,930
consuming unpasteurized egg and milk

354
00:14:39,450 --> 00:14:43,920
products a salmonella listeria and

355
00:14:41,929 --> 00:14:47,338
toxoplasmosis can all have detrimental

356
00:14:43,919 --> 00:14:49,500
effects on pregnancies food labeling is

357
00:14:47,339 --> 00:14:51,600
a tricky topic to navigate without

358
00:14:49,500 --> 00:14:53,940
understanding the context by which it is

359
00:14:51,600 --> 00:14:55,920
required consumers can experience undue

360
00:14:53,940 --> 00:14:59,070
alarm due to a mandated warning that a

361
00:14:55,919 --> 00:15:00,719
product contains a spot i'm equally we

362
00:14:59,070 --> 00:15:02,778
can be misled by claims placed on

363
00:15:00,720 --> 00:15:07,040
products by manufacturers such as

364
00:15:02,778 --> 00:15:09,659
contains no msg natural light or organic

365
00:15:07,039 --> 00:15:11,338
perhaps the best we can do is to improve

366
00:15:09,659 --> 00:15:13,769
our understanding of the risks benefits

367
00:15:11,339 --> 00:15:15,990
and dodgy claims made about varying

368
00:15:13,769 --> 00:15:17,730
ingredients and food additives I hope

369
00:15:15,990 --> 00:15:19,680
that this report has been informative if

370
00:15:17,730 --> 00:15:21,360
you have any concerns about the

371

00:15:19,679 --> 00:15:23,250
ingredients that I've mentioned have a

372
00:15:21,360 --> 00:15:25,879
chat with your GP or a qualified

373
00:15:23,250 --> 00:15:25,879
dietitian

374
00:15:31,870 --> 00:15:37,250
hello and Allah needle on solo scoffs of

375
00:15:34,970 --> 00:15:39,620
dip moment when Tyrion at low so now to

376
00:15:37,250 --> 00:15:44,899
skeptics on for reading stop and katie

377
00:15:39,620 --> 00:15:49,509
schneider moving from RC Connor we may

378
00:15:44,899 --> 00:15:49,509
be from skeptics own funds TV

379
00:15:54,999 --> 00:15:59,749
welcome to a weakened science from our

380
00:15:57,350 --> 00:16:02,778
oz bringing you the science you need to

381
00:15:59,749 --> 00:16:05,239
know our obsession with cake is never

382
00:16:02,778 --> 00:16:12,528
ending but did you know how much science

383
00:16:05,239 --> 00:16:14,179
is involved in every piece firstly let's

384
00:16:12,528 --> 00:16:15,860
look at the role of edge ingredients in

385
00:16:14,178 --> 00:16:18,558

making your piece of cake lice and

386

00:16:15,860 --> 00:16:20,659

fluffy starting with sugar when you

387

00:16:18,558 --> 00:16:22,308

cream butter and sugar together air gets

388

00:16:20,659 --> 00:16:24,588

trapped on the rough surface of the

389

00:16:22,308 --> 00:16:26,899

sugar crystals giving you a foamy batter

390

00:16:24,589 --> 00:16:28,819

the fat in the busser coats these air

391

00:16:26,899 --> 00:16:31,548

bubbles helping to hold them in the

392

00:16:28,818 --> 00:16:33,828

mixture however when they heat up these

393

00:16:31,548 --> 00:16:36,289

bubbles pop leave me with a flat and

394

00:16:33,828 --> 00:16:38,958

dense cake but that's where eggs come in

395

00:16:36,289 --> 00:16:41,088

the proteins also coat these air bubbles

396

00:16:38,958 --> 00:16:43,458

when these proteins are heated they

397

00:16:41,089 --> 00:16:45,199

Harden stopping the bubble from popping

398

00:16:43,458 --> 00:16:47,719

and trapping the air inside the cake

399

00:16:45,198 --> 00:16:50,238

baking powder is the last ingredients in

400
00:16:47,720 --> 00:16:52,428
making your cake lisen fluffy it's as a

401
00:16:50,239 --> 00:16:55,100
mixture of bicarbonate of soda and cream

402
00:16:52,428 --> 00:16:57,318
of tartar an alkali in an acid which

403
00:16:55,100 --> 00:16:59,720
react with heat and water to form carbon

404
00:16:57,318 --> 00:17:01,490
dioxide this helps expand those air

405
00:16:59,720 --> 00:17:03,490
bubbles adding yet another level of

406
00:17:01,490 --> 00:17:06,828
fluffiness

407
00:17:03,490 --> 00:17:09,230
so what role does flower have them well

408
00:17:06,828 --> 00:17:11,119
flower proteins combine to form gluten

409
00:17:09,230 --> 00:17:13,459
which forms a stretchy web structure

410
00:17:11,119 --> 00:17:15,529
through the cake as the air bubbles are

411
00:17:13,459 --> 00:17:17,870
expanding the gluten stretches to

412
00:17:15,529 --> 00:17:20,930
contain them when the gluten reaches

413
00:17:17,869 --> 00:17:22,549
about 80 degrees it hardens preventing

414
00:17:20,930 --> 00:17:25,130
the cake from collapsing inwards and

415
00:17:22,549 --> 00:17:27,859
maintaining its expanded shape leaving

416
00:17:25,130 --> 00:17:30,320
you with a light fluffy cake the second

417
00:17:27,859 --> 00:17:32,179
role of flowers to provide starch this

418
00:17:30,319 --> 00:17:34,700
helps the egg proteins stay strong and

419
00:17:32,180 --> 00:17:37,400
trap those air bubbles inside and form

420
00:17:34,700 --> 00:17:42,170
the final texture of the cake and now

421
00:17:37,400 --> 00:17:43,970
for fast facts about cakes cakes as we

422
00:17:42,170 --> 00:17:46,430
know them probably only came about in

423
00:17:43,970 --> 00:17:48,799
the 18th or 19th century with the advent

424
00:17:46,430 --> 00:17:51,529
of baking powders replacing yeast as the

425
00:17:48,799 --> 00:17:54,889
leavening agent some people add Sultan's

426
00:17:51,529 --> 00:17:56,980
cakes salt in sweet what but it does

427
00:17:54,890 --> 00:17:59,570
help strengthen that gluten structure

428

00:17:56,980 --> 00:18:01,789
despite saying that gluten is vital for

429
00:17:59,569 --> 00:18:03,559
creating the structure of the cake too

430
00:18:01,789 --> 00:18:05,960
much gluten can result in a heavy

431
00:18:03,559 --> 00:18:08,659
texture the amount of butter helps

432
00:18:05,960 --> 00:18:11,180
control that reaction and sugar also

433
00:18:08,660 --> 00:18:13,460
helps the caramelization reaction called

434
00:18:11,180 --> 00:18:15,769
my yard reaction giving that golden

435
00:18:13,460 --> 00:18:18,319
surface on top that's it for this week

436
00:18:15,769 --> 00:18:20,359
in science for more information on the

437
00:18:18,319 --> 00:18:24,679
science of baking sink your sweet tooth

438
00:18:20,359 --> 00:18:27,709
into the RLS website RI aus org dot a

439
00:18:24,680 --> 00:18:30,620
you follow us on twitter at arias and

440
00:18:27,710 --> 00:18:33,610
like us on facebook i'm ben lewis and

441
00:18:30,619 --> 00:18:33,609
we'll catch you next week

442
00:18:41,549 --> 00:18:47,409

hi this is Tim Farley you probably know

443

00:18:44,829 --> 00:18:50,199

me from what's the harm net a catalog of

444

00:18:47,410 --> 00:18:52,509

the real world harm caused by lack of

445

00:18:50,200 --> 00:18:55,660

critical thinking but that's not my only

446

00:18:52,509 --> 00:18:58,569

project i present at skeptic events I

447

00:18:55,660 --> 00:19:00,850

post a daily skeptic history fact on

448

00:18:58,569 --> 00:19:03,308

Twitter and Facebook and I blog about

449

00:19:00,849 --> 00:19:06,490

using new techniques on the internet to

450

00:19:03,308 --> 00:19:09,970

advance skepticism come over to skept

451

00:19:06,490 --> 00:19:13,058

tools com and check out my latest ideas

452

00:19:09,970 --> 00:19:15,329

but first enjoy the rest of the skeptic

453

00:19:13,058 --> 00:19:15,329

zone

454

00:19:18,039 --> 00:19:22,389

well I am here today with Kylie Walker

455

00:19:20,680 --> 00:19:25,420

from the Australian Academy of Science

456

00:19:22,390 --> 00:19:28,270

hello Kylie hello how are you today I'm

457
00:19:25,420 --> 00:19:30,400
very well thank you now can you tell me

458
00:19:28,269 --> 00:19:32,379
what is the Australian Academy of

459
00:19:30,400 --> 00:19:34,120
Science the Australian Academy of

460
00:19:32,380 --> 00:19:36,130
science the Fellowship of Australia's

461
00:19:34,119 --> 00:19:38,500
most eminent research scientists it's

462
00:19:36,130 --> 00:19:40,630
based on the Royal Society of London

463
00:19:38,500 --> 00:19:42,730
which is the oldest scientific Academy

464
00:19:40,630 --> 00:19:45,550
in the world and essentially we

465
00:19:42,730 --> 00:19:47,410
represent the scientists who may have

466
00:19:45,549 --> 00:19:49,990
made significant contributions to the

467
00:19:47,410 --> 00:19:54,250
body of knowledge we spend a lot of time

468
00:19:49,990 --> 00:19:56,500
advocating for science and we also

469
00:19:54,250 --> 00:19:59,559
educate people about science at all

470
00:19:56,500 --> 00:20:01,180
levels and what is your role I am the

471
00:19:59,559 --> 00:20:02,589
director of communications and outreach

472
00:20:01,180 --> 00:20:04,870
here at the academy so I have

473
00:20:02,589 --> 00:20:07,389
responsibility for media publications

474
00:20:04,869 --> 00:20:09,579
events and fundraising now every year

475
00:20:07,390 --> 00:20:11,860
the Academy runs many events for

476
00:20:09,579 --> 00:20:13,750
National Science Week and I understand

477
00:20:11,859 --> 00:20:15,819
that you are involved in a very special

478
00:20:13,750 --> 00:20:17,289
event what is this event well this year

479
00:20:15,819 --> 00:20:20,049
we decided to do something a little bit

480
00:20:17,289 --> 00:20:22,720
different and in fact our our events now

481
00:20:20,049 --> 00:20:24,819
going to be mainly online we're running

482
00:20:22,720 --> 00:20:28,450
what we're calling the women of science

483
00:20:24,819 --> 00:20:30,519
Wikibon and this is because we noticed

484
00:20:28,450 --> 00:20:33,130
that there were many fewer women

485

00:20:30,519 --> 00:20:35,500
scientists represented on Wikipedia than

486
00:20:33,130 --> 00:20:37,360
there are men scientists represented on

487
00:20:35,500 --> 00:20:39,309
Wikipedia so we're setting out

488
00:20:37,359 --> 00:20:40,689
essentially to change that and to raise

489
00:20:39,309 --> 00:20:43,389
the profile of Australian women

490
00:20:40,690 --> 00:20:45,700
scientists on Wikipedia this is a really

491
00:20:43,390 --> 00:20:48,190
really excellent event why do you think

492
00:20:45,700 --> 00:20:50,350
this has happened the lack of women

493
00:20:48,190 --> 00:20:51,789
scientists on wikipedia we noticed it

494
00:20:50,349 --> 00:20:54,579
actually first when we started looking

495
00:20:51,789 --> 00:20:56,589
for our own female fellows on Wikipedia

496
00:20:54,579 --> 00:20:58,569
and we realized so that a significant

497
00:20:56,589 --> 00:21:01,029
proportion of them don't appear there at

498
00:20:58,569 --> 00:21:03,730
all or they appear there with less than

499
00:21:01,029 --> 00:21:06,940

100 words or so on their profiles so it

500

00:21:03,730 --> 00:21:09,579

really just stubs and I think that this

501

00:21:06,940 --> 00:21:12,880

has happened because well traditionally

502

00:21:09,579 --> 00:21:14,740

because there are more senior male

503

00:21:12,880 --> 00:21:16,150

scientists still then there are female

504

00:21:14,740 --> 00:21:17,680

scientists and that's a historical

505

00:21:16,150 --> 00:21:21,370

artifact which we are working very hard

506

00:21:17,680 --> 00:21:23,350

to change we don't have as much of a

507

00:21:21,369 --> 00:21:24,558

cultural understanding of the

508

00:21:23,349 --> 00:21:26,449

contribution of women

509

00:21:24,558 --> 00:21:28,999

science through the ages so we've all

510

00:21:26,450 --> 00:21:32,450

heard of you know Albert Einstein we've

511

00:21:28,999 --> 00:21:35,899

all heard of Newton and we've all heard

512

00:21:32,450 --> 00:21:39,679

of probably of Frank Fenner to sike naw

513

00:21:35,898 --> 00:21:41,808

straight an example but ask people to

514
00:21:39,679 --> 00:21:46,249
talk about women scientists and you

515
00:21:41,808 --> 00:21:48,259
might get a Marie Curie you might add an

516
00:21:46,249 --> 00:21:50,720
absolute push gettin Elizabeth Blackburn

517
00:21:48,259 --> 00:21:53,538
is our most recent Nobel laureate but

518
00:21:50,720 --> 00:21:55,399
their knowledge just isn't there is it

519
00:21:53,538 --> 00:21:56,868
possible for members of The Skeptical

520
00:21:55,398 --> 00:21:59,658
community to get involved with your

521
00:21:56,868 --> 00:22:02,329
event and if so how oh absolutely we

522
00:21:59,659 --> 00:22:04,100
would like anybody and everybody to get

523
00:22:02,329 --> 00:22:06,349
involved we're very welcoming to all

524
00:22:04,099 --> 00:22:08,329
comers so it's very easy to get involved

525
00:22:06,349 --> 00:22:11,748
you go to our website which is science

526
00:22:08,329 --> 00:22:13,460
or a you and they'll be a clear link to

527
00:22:11,749 --> 00:22:16,700
the women of science Wikipedia page and

528
00:22:13,460 --> 00:22:19,220
we ask you to register there we have the

529
00:22:16,700 --> 00:22:21,710
opportunity for 35 people to come and

530
00:22:19,220 --> 00:22:23,379
participate in the event in person at

531
00:22:21,710 --> 00:22:25,429
the shine dome here in Canberra and

532
00:22:23,378 --> 00:22:26,959
we'll have a bit of fun with that

533
00:22:25,429 --> 00:22:28,879
because we're going to invite some

534
00:22:26,960 --> 00:22:31,190
senior women Australian scientists to

535
00:22:28,878 --> 00:22:32,808
come in through the day and have a chat

536
00:22:31,190 --> 00:22:34,879
to participants there will also be doing

537
00:22:32,808 --> 00:22:37,999
tours through our archives and looking

538
00:22:34,878 --> 00:22:40,759
at some of our dusty relics if you don't

539
00:22:37,999 --> 00:22:42,440
happen to make it to that in-person

540
00:22:40,759 --> 00:22:43,940
event if you can't make it to that

541
00:22:42,440 --> 00:22:46,519
in-person event then you're very welcome

542

00:22:43,940 --> 00:22:48,470
to also participate online and again you

543
00:22:46,519 --> 00:22:50,269
can just sign up via our website and

544
00:22:48,470 --> 00:22:53,298
when is the event going to be launched

545
00:22:50,269 --> 00:22:55,038
so we're actually launching it next week

546
00:22:53,298 --> 00:22:58,278
but we're asking people to do the

547
00:22:55,038 --> 00:23:00,169
editing in a 24-hour period on the

548
00:22:58,278 --> 00:23:01,609
fourteenth of August that's just a few

549
00:23:00,169 --> 00:23:03,799
days before the beginning of National

550
00:23:01,609 --> 00:23:06,138
Science Week this year well thank you so

551
00:23:03,798 --> 00:23:08,118
much for this interview Kylie this is

552
00:23:06,138 --> 00:23:10,878
truly a worthy course and I wish you the

553
00:23:08,118 --> 00:23:12,618
best of success the details of this

554
00:23:10,878 --> 00:23:14,509
event will be listed on the skeptic zone

555
00:23:12,618 --> 00:23:16,959
website thank you very much gear time

556
00:23:14,509 --> 00:23:16,960

Kylie

557

00:23:23,990 --> 00:23:29,970

the skeptic magazine the journal from

558

00:23:26,849 --> 00:23:32,189

Australian skeptics subscribe online to

559

00:23:29,970 --> 00:23:37,500

the world's second oldest skeptical

560

00:23:32,190 --> 00:23:40,259

magazine visit w WC APA mau and click

561

00:23:37,500 --> 00:23:44,220

the publication's league you can also

562

00:23:40,259 --> 00:23:47,549

find their over 30 years on back issues

563

00:23:44,220 --> 00:24:02,309

free to download the skeptic magazine

564

00:23:47,549 --> 00:24:04,319

from Australian skeptics five minutes

565

00:24:02,309 --> 00:24:06,929

teeruk lock we were talking about John

566

00:24:04,319 --> 00:24:08,849

Edwards um and peter fitzsimons scathing

567

00:24:06,930 --> 00:24:12,480

attack on him call him a fraud against

568

00:24:08,849 --> 00:24:14,699

Sunni and the thing is I think it was a

569

00:24:12,480 --> 00:24:17,640

very very famous skeptic called James

570

00:24:14,700 --> 00:24:18,990

Randi um and he's a man I have a lot of

571
00:24:17,640 --> 00:24:20,790
time for because he's a very polite

572
00:24:18,990 --> 00:24:23,160
blogger isn't it American he was a he

573
00:24:20,789 --> 00:24:25,409
was made famous many many years ago on

574
00:24:23,160 --> 00:24:28,170
the Don Lane show when he was trying to

575
00:24:25,410 --> 00:24:30,450
explain and by the way he was invited on

576
00:24:28,170 --> 00:24:33,480
to the Don Lane show I thought it was

577
00:24:30,450 --> 00:24:35,670
treated pretty badly by Don um he was

578
00:24:33,480 --> 00:24:37,680
invited onto the show because he there

579
00:24:35,670 --> 00:24:40,019
was a skip I've had me a psychic that

580
00:24:37,680 --> 00:24:41,940
used to be a regular on the Don line

581
00:24:40,019 --> 00:24:43,470
show called Doris Stokes she was a

582
00:24:41,940 --> 00:24:45,150
lovely old woman and but she used to

583
00:24:43,470 --> 00:24:46,470
claim that she picked up the vibes of

584
00:24:45,150 --> 00:24:48,810
dead people and could speak to dead

585
00:24:46,470 --> 00:24:51,029
people and then there was you regular

586
00:24:48,809 --> 00:24:53,700
who claimed to be able to bend spoons

587
00:24:51,029 --> 00:24:55,470
with just thought power and basically

588
00:24:53,700 --> 00:24:57,360
what James Randi was saying you saying

589
00:24:55,470 --> 00:25:00,089
look there was a way there was a way to

590
00:24:57,359 --> 00:25:01,649
do this without being psychic i can use

591
00:25:00,089 --> 00:25:05,250
science i can show you that it's it's an

592
00:25:01,650 --> 00:25:08,370
illusion and my Don Lane who was fond of

593
00:25:05,250 --> 00:25:11,730
Doris Stokes told him the piss off at

594
00:25:08,369 --> 00:25:13,109
whatever his words he smashed the glass

595
00:25:11,730 --> 00:25:15,720
of water that was on the coffee table

596
00:25:13,109 --> 00:25:17,219
there was quite a scene and in fact i

597
00:25:15,720 --> 00:25:19,799
think this i think you can see it on

598
00:25:17,220 --> 00:25:23,579
youtube Don Lane got a future Don lane

599

00:25:19,799 --> 00:25:25,710

James Randi but anyway I try and keep an

600

00:25:23,579 --> 00:25:27,029

open mind on most things but I find it

601

00:25:25,710 --> 00:25:29,259

very hard to believe that someone can

602

00:25:27,029 --> 00:25:30,279

talk to a dead person but I'm sure

603

00:25:29,259 --> 00:25:32,259

there are plenty of listeners who have

604

00:25:30,279 --> 00:25:33,639

got experiences where they believe it's

605

00:25:32,259 --> 00:25:35,650

actually happened but this john edwards

606

00:25:33,640 --> 00:25:37,540

and benefit simons he's been called the

607

00:25:35,650 --> 00:25:40,860

fraud by many many people and you've got

608

00:25:37,539 --> 00:25:43,359

to ask yourself why doesn't he sue I

609

00:25:40,859 --> 00:25:45,909

mean isn't that a defamatory thing to

610

00:25:43,359 --> 00:25:47,769

say calling some of your fraud and if we

611

00:25:45,910 --> 00:25:50,470

have departments of Fair Trading here in

612

00:25:47,769 --> 00:25:52,960

Australia if somebody has a product and

613

00:25:50,470 --> 00:25:56,829

they make a claim if somebody makes a

614

00:25:52,960 --> 00:25:58,990

claim and they take money and it can't

615

00:25:56,829 --> 00:26:00,990

be proven that it's that it's right or

616

00:25:58,990 --> 00:26:04,329

not or if the product is faulty

617

00:26:00,990 --> 00:26:08,109

Department of Fair Trading and Consumer

618

00:26:04,329 --> 00:26:09,699

Affairs step in and benefit silences why

619

00:26:08,109 --> 00:26:11,199

haven't they with this John Edwards

620

00:26:09,700 --> 00:26:13,600

who's coming to Australia November

621

00:26:11,200 --> 00:26:15,940

Richard Saunders is with the Australian

622

00:26:13,599 --> 00:26:18,669

skeptics organization he's at a skeptics

623

00:26:15,940 --> 00:26:20,830

conference in San Francisco believe it

624

00:26:18,670 --> 00:26:21,970

or not and he was listening to us while

625

00:26:20,829 --> 00:26:24,129

he was having his breakfast it's nine

626

00:26:21,970 --> 00:26:26,230

o'clock in the morning and he's given us

627

00:26:24,130 --> 00:26:28,690

a ring and I'm glad he has Richard

628
00:26:26,230 --> 00:26:31,210
Saunders good morning and welcome to new

629
00:26:28,690 --> 00:26:33,610
day australia good morning from San

630
00:26:31,210 --> 00:26:35,740
Francisco that's right oh of course I

631
00:26:33,609 --> 00:26:37,059
tuna Julie my work no matter where I am

632
00:26:35,740 --> 00:26:39,970
in the world yeah I just wish you had a

633
00:26:37,059 --> 00:26:44,230
survey book then oh well there you go

634
00:26:39,970 --> 00:26:45,850
there you go ok Richard I want to give

635
00:26:44,230 --> 00:26:48,910
you the time you deserve here I gotta

636
00:26:45,849 --> 00:26:50,949
say that I am a bit like you I god I

637
00:26:48,910 --> 00:26:52,810
don't believe in what I can't see them

638
00:26:50,950 --> 00:26:56,049
what I can't touch and there are plenty

639
00:26:52,809 --> 00:26:57,490
of magicians out there and being people

640
00:26:56,049 --> 00:27:00,849
claiming to be able to talk to people

641
00:26:57,490 --> 00:27:02,650
who have passed away as been around for

642
00:27:00,849 --> 00:27:05,439
thousands of years you know gypsies with

643
00:27:02,650 --> 00:27:07,360
crystal balls etc etc but this John

644
00:27:05,440 --> 00:27:10,029
Edwards takes a lot of money from people

645
00:27:07,359 --> 00:27:11,399
and benefits Simon's in I don't know did

646
00:27:10,029 --> 00:27:13,930
you see his column last Sunday I

647
00:27:11,400 --> 00:27:17,560
certainly did it was quote mm it was

648
00:27:13,930 --> 00:27:19,539
quite striking now we normally wouldn't

649
00:27:17,559 --> 00:27:24,339
go so far as to run around calling

650
00:27:19,539 --> 00:27:27,099
people Ford's because one it in a way it

651
00:27:24,339 --> 00:27:30,069
sort of gives them more oxygen and the

652
00:27:27,099 --> 00:27:33,099
reason he John Edward doesn't run around

653
00:27:30,069 --> 00:27:34,990
suing people like peter fitsimons it's

654
00:27:33,099 --> 00:27:37,299
open why would he happen there's no

655
00:27:34,990 --> 00:27:40,210
point john edward has a very large and

656

00:27:37,299 --> 00:27:42,639
loyal band of followers believers out

657
00:27:40,210 --> 00:27:44,410
there and the damage

658
00:27:42,640 --> 00:27:47,560
p the fixins could do the John Edwards

659
00:27:44,410 --> 00:27:50,050
hardly comes up on the radar in fact it

660
00:27:47,559 --> 00:27:52,599
feeds the believers to see I'll look and

661
00:27:50,049 --> 00:27:54,250
now this horrible man's saying these

662
00:27:52,599 --> 00:27:56,429
terrible things about our beloved John

663
00:27:54,250 --> 00:27:59,319
it would I'm going to see him even more

664
00:27:56,430 --> 00:28:00,940
it's an interesting from a psychological

665
00:27:59,319 --> 00:28:03,460
point of view it's it's an interesting

666
00:28:00,940 --> 00:28:06,610
sort of self recall and self-sealing

667
00:28:03,460 --> 00:28:08,350
related some if an adventure in

668
00:28:06,609 --> 00:28:09,849
psychology when you look at these people

669
00:28:08,349 --> 00:28:13,149
who claim to talk with it did and their

670
00:28:09,849 --> 00:28:14,889

followers I think um yeah I am I don't

671

00:28:13,150 --> 00:28:17,530

believe in and I've seen John Edward is

672

00:28:14,890 --> 00:28:20,140

it a little red woods it's Edward his

673

00:28:17,529 --> 00:28:21,819

name is John Edward McGee I guess

674

00:28:20,140 --> 00:28:23,440

dropped off he just dropped off McGee

675

00:28:21,819 --> 00:28:26,139

that's fine you can do he could be can

676

00:28:23,440 --> 00:28:27,730

call himself from whatever he like well

677

00:28:26,140 --> 00:28:30,460

I guess I guess somebody I guess

678

00:28:27,730 --> 00:28:31,750

somebody packing stadiums taking money

679

00:28:30,460 --> 00:28:33,730

and claiming to talk to the dead and

680

00:28:31,750 --> 00:28:36,670

calling themselves Mecca doesn't really

681

00:28:33,730 --> 00:28:39,849

have the same impetus doesn't well you

682

00:28:36,670 --> 00:28:41,740

know what it wouldn't matter if people

683

00:28:39,849 --> 00:28:43,959

weren't people believe in this sort of

684

00:28:41,740 --> 00:28:45,789

thing we haven't there's an old joke

685
00:28:43,960 --> 00:28:47,200
saying once people believe in the sort

686
00:28:45,789 --> 00:28:49,779
of thing then the psychic can stand up

687
00:28:47,200 --> 00:28:51,490
on me on the stage and just read letters

688
00:28:49,779 --> 00:28:56,889
in the alphabet which is what a lot of

689
00:28:51,490 --> 00:28:58,569
them do strangely enough i've seen many

690
00:28:56,890 --> 00:29:01,480
of these state shows over the years and

691
00:28:58,569 --> 00:29:03,789
have been universally core but to the

692
00:29:01,480 --> 00:29:05,410
believer they read everything into it

693
00:29:03,789 --> 00:29:06,700
they possibly can and their mind will

694
00:29:05,410 --> 00:29:08,710
make lots of connections and they'll

695
00:29:06,700 --> 00:29:10,720
come away and it's interesting you're

696
00:29:08,710 --> 00:29:13,750
talking about the removing deliver

697
00:29:10,720 --> 00:29:16,360
faithful drugs demanding man that was

698
00:29:13,750 --> 00:29:19,480
based on a book written by james randi

699
00:29:16,359 --> 00:29:22,449
called the faith healers oh really yeah

700
00:29:19,480 --> 00:29:24,400
it's an incredible book and goes into

701
00:29:22,450 --> 00:29:25,809
all the faith healers at james randi

702
00:29:24,400 --> 00:29:29,680
exposed over the years and they're

703
00:29:25,809 --> 00:29:31,599
terrible dirty dirty horrible tricks to

704
00:29:29,680 --> 00:29:34,390
calm people out of their money steve

705
00:29:31,599 --> 00:29:37,000
martin read that book and sort of based

706
00:29:34,390 --> 00:29:40,600
a movie around it ah yes but in the

707
00:29:37,000 --> 00:29:42,220
movie it does rain yeah and you're left

708
00:29:40,599 --> 00:29:43,539
wondering yeah you have any yeah when he

709
00:29:42,220 --> 00:29:47,110
did you know what he disappears he gets

710
00:29:43,539 --> 00:29:52,000
to lift in the truck Hollywood porous it

711
00:29:47,109 --> 00:29:54,509
didn't rain it did right um I after

712
00:29:52,000 --> 00:29:56,440
talking about John Edward last week

713

00:29:54,509 --> 00:29:58,359
because he was doing the round

714
00:29:56,440 --> 00:30:03,039
of all the radio stations and he came to

715
00:29:58,359 --> 00:30:04,419
this one and you know I suppose there's

716
00:30:03,039 --> 00:30:06,279
a lot of interest out there so he makes

717
00:30:04,420 --> 00:30:09,100
an interesting radio interview and I

718
00:30:06,279 --> 00:30:11,859
voiced my skepticism on the radio and a

719
00:30:09,099 --> 00:30:13,629
colleague of mine on Canberra's to CC

720
00:30:11,859 --> 00:30:15,909
rang me and he said may I we were

721
00:30:13,630 --> 00:30:17,830
listening in to you and he said would

722
00:30:15,910 --> 00:30:19,690
you like to meet a psychic that I know

723
00:30:17,829 --> 00:30:21,129
of that either who I am convinced his

724
00:30:19,690 --> 00:30:23,080
fair dinkum and the bloke who spoke to

725
00:30:21,130 --> 00:30:24,760
me is a skeptic as well well I had a

726
00:30:23,079 --> 00:30:27,599
phone conversation with this lady and

727
00:30:24,759 --> 00:30:30,579

I've got to be honest with you Richard I

728

00:30:27,599 --> 00:30:33,819

kept my cards very very close to my

729

00:30:30,579 --> 00:30:35,470

chest she knew from the out from the

730

00:30:33,819 --> 00:30:37,450

onset of our phone conversation I was

731

00:30:35,470 --> 00:30:39,579

skeptical but she said a couple of

732

00:30:37,450 --> 00:30:42,039

things that no one would have known and

733

00:30:39,579 --> 00:30:44,529

she was right on the money it was it was

734

00:30:42,039 --> 00:30:47,769

quite spooky did you happen to record it

735

00:30:44,529 --> 00:30:50,829

no I wish I had ah I wish you did too

736

00:30:47,769 --> 00:30:52,720

because and this is no please don't take

737

00:30:50,829 --> 00:30:55,839

this the wrong way this applies

738

00:30:52,720 --> 00:30:58,750

universally to just about every human I

739

00:30:55,839 --> 00:31:01,659

have ever met people cannot properly

740

00:30:58,750 --> 00:31:04,450

remember a psychic reading they'll come

741

00:31:01,660 --> 00:31:06,700

away and their memory will be embellish

742
00:31:04,450 --> 00:31:09,130
it will be altered every time you call

743
00:31:06,700 --> 00:31:12,700
our the one thing that she said I

744
00:31:09,130 --> 00:31:15,730
remember like as if I had recorded it

745
00:31:12,700 --> 00:31:17,350
when my father passed away sixteen year

746
00:31:15,730 --> 00:31:19,630
I hadn't told anyone this when he passed

747
00:31:17,349 --> 00:31:21,839
away 16 years ago there were three

748
00:31:19,630 --> 00:31:24,730
speakers delivering eulogies I was one

749
00:31:21,839 --> 00:31:27,099
dad's oldest and dearest friend that him

750
00:31:24,730 --> 00:31:28,870
that he knew from the Army 1945 was

751
00:31:27,099 --> 00:31:31,000
another one and there's a young boy from

752
00:31:28,869 --> 00:31:34,689
dad's office that had that had mentored

753
00:31:31,000 --> 00:31:37,420
me my mother unbeknownst to me or anyone

754
00:31:34,690 --> 00:31:39,340
she went to the young boy who delivered

755
00:31:37,420 --> 00:31:41,259
the third eulogy and said look I've got

756
00:31:39,339 --> 00:31:44,379
Brian's watch here I thought you might

757
00:31:41,259 --> 00:31:46,869
like it and he rang me many years later

758
00:31:44,380 --> 00:31:49,270
it was about four years later he rang me

759
00:31:46,869 --> 00:31:50,349
at mark was his name and he said look

760
00:31:49,269 --> 00:31:51,849
Luke I don't know well you know this

761
00:31:50,349 --> 00:31:53,409
your mum gave me your dad's watch I said

762
00:31:51,849 --> 00:31:55,389
no I had no idea and he said look I feel

763
00:31:53,410 --> 00:31:57,250
guilty having it because it means not it

764
00:31:55,390 --> 00:31:58,660
mate doesn't mean anything to me it may

765
00:31:57,250 --> 00:32:01,390
mean something to you and I said well I

766
00:31:58,660 --> 00:32:03,550
remember it very very well and he used

767
00:32:01,390 --> 00:32:05,620
to keep it in a little cast-iron dish in

768
00:32:03,549 --> 00:32:07,149
the shape of a fish he used to keep his

769
00:32:05,619 --> 00:32:09,339
change and he's watched it was next to

770

00:32:07,150 --> 00:32:10,269
his bedside table I have that ditch and

771
00:32:09,339 --> 00:32:12,548
I keep my change

772
00:32:10,269 --> 00:32:15,038
that dish but he said look I feel guilty

773
00:32:12,548 --> 00:32:17,079
about having this watch he said I'd like

774
00:32:15,038 --> 00:32:18,308
to give it back to you because it means

775
00:32:17,079 --> 00:32:19,538
nothing to match I think it should be

776
00:32:18,308 --> 00:32:21,278
with you and I said thank you Mac that's

777
00:32:19,538 --> 00:32:23,019
very very good well we never caught up

778
00:32:21,278 --> 00:32:25,179
he never delivered it and that was about

779
00:32:23,019 --> 00:32:27,940
four years ago but I hadn't told anyone

780
00:32:25,179 --> 00:32:30,249
that story Richard hmm the last thing

781
00:32:27,940 --> 00:32:33,849
the last thing this this lady said to me

782
00:32:30,249 --> 00:32:35,798
she said I'll look before you go I don't

783
00:32:33,848 --> 00:32:37,388
know if this means anything to you but

784
00:32:35,798 --> 00:32:41,950

your father wants you to have that watch

785

00:32:37,388 --> 00:32:45,519

ah alright so that that's probably that

786

00:32:41,950 --> 00:32:49,119

was pretty good that was well that was

787

00:32:45,519 --> 00:32:53,709

but you've you've got a big story about

788

00:32:49,118 --> 00:32:55,749

the watch now if you didn't happen then

789

00:32:53,709 --> 00:32:58,538

you wouldn't even remember she said that

790

00:32:55,749 --> 00:33:02,229

she said something that happened to hit

791

00:32:58,538 --> 00:33:04,690

home now if she says that every other

792

00:33:02,229 --> 00:33:06,879

time she talks to somebody every now and

793

00:33:04,690 --> 00:33:09,190

then she's going to get an amazing thing

794

00:33:06,878 --> 00:33:10,598

with somebody a family story with a

795

00:33:09,190 --> 00:33:12,308

watch but the important thing to

796

00:33:10,598 --> 00:33:14,168

remember is she didn't tell you the

797

00:33:12,308 --> 00:33:18,298

story you just told me in the listeners

798

00:33:14,169 --> 00:33:22,089

she simply mentioned the watch and you

799

00:33:18,298 --> 00:33:24,009
put all the rest of the the backstory on

800

00:33:22,088 --> 00:33:26,458
to it and made it his home personally

801

00:33:24,009 --> 00:33:29,528
you can see how I was impressed

802

00:33:26,459 --> 00:33:31,570
absolutely but it might if something

803

00:33:29,528 --> 00:33:33,249
simply happen to me too i would have

804

00:33:31,569 --> 00:33:36,999
been interesting for me to hear that too

805

00:33:33,249 --> 00:33:39,788
but remember if you didn't have a watch

806

00:33:36,999 --> 00:33:42,038
story and she said oh I need to mention

807

00:33:39,788 --> 00:33:43,569
to watch you might have thought and I

808

00:33:42,038 --> 00:33:45,069
can't think of a work story and then you

809

00:33:43,569 --> 00:33:48,069
probably wouldn't even remember she said

810

00:33:45,069 --> 00:33:49,989
that later on oh it but it was the big

811

00:33:48,069 --> 00:33:51,548
ending she said look before you go last

812

00:33:49,989 --> 00:33:55,179
thing I've got to tell you this like it

813
00:33:51,548 --> 00:33:57,278
was it was like yeah and I know and I

814
00:33:55,179 --> 00:33:58,450
know how our powerful could be she could

815
00:33:57,278 --> 00:33:59,919
have mentioned that earlier on has

816
00:33:58,450 --> 00:34:02,609
happened to be at the end but well

817
00:33:59,919 --> 00:34:06,269
that's interesting it was her punch line

818
00:34:02,608 --> 00:34:08,168
well here's the thing I sincerely I

819
00:34:06,269 --> 00:34:10,659
obviously being the president of a

820
00:34:08,168 --> 00:34:13,269
science sceptics I sincerely doubt this

821
00:34:10,659 --> 00:34:15,849
woman has a magical connection with dead

822
00:34:13,269 --> 00:34:17,409
people dead people are dead they don't

823
00:34:15,849 --> 00:34:18,548
tend to say very much but there is a

824
00:34:17,409 --> 00:34:20,349
spirit but a lot of people believe

825
00:34:18,548 --> 00:34:22,809
there's a spirit this is richard can you

826
00:34:20,349 --> 00:34:24,220
hang on yeah because you know how

827

00:34:22,809 --> 00:34:26,889
commercial radio works

828
00:34:24,219 --> 00:34:28,418
whoo I'm gonna pay some bills can we

829
00:34:26,889 --> 00:34:29,980
talk on the other side this break we can

830
00:34:28,418 --> 00:34:31,598
stay right Richard Saunders has phoned

831
00:34:29,980 --> 00:34:33,940
me from San Francisco he's listening

832
00:34:31,599 --> 00:34:35,980
online he's with the Australian skeptics

833
00:34:33,940 --> 00:34:37,690
Association and we'll come back and talk

834
00:34:35,980 --> 00:34:40,240
your your thoughts are welcome give us a

835
00:34:37,690 --> 00:34:42,280
call 13 13 32 is the telephone number

836
00:34:40,239 --> 00:34:44,319
maybe you've got a story that Richard

837
00:34:42,280 --> 00:34:46,359
can explain I don't know how much time

838
00:34:44,320 --> 00:34:49,690
he's got what times you what time's your

839
00:34:46,358 --> 00:34:51,519
conference start oh it's about a week

840
00:34:49,690 --> 00:34:53,530
away actually you're just over the edge

841
00:34:51,519 --> 00:34:55,809

of your over there doing a reccy are you

842

00:34:53,530 --> 00:34:57,580

undoing a record getting over jet lag

843

00:34:55,809 --> 00:35:00,159

and actually the conference is run by

844

00:34:57,579 --> 00:35:01,719

James Randi and it's in Las Vegas next

845

00:35:00,159 --> 00:35:03,460

week all right okay hang all your stay

846

00:35:01,719 --> 00:35:05,618

there let me do let me get rid of some

847

00:35:03,460 --> 00:35:08,349

commitments and then we'll come back 13

848

00:35:05,619 --> 00:35:10,480

13 32 if you'd like to be part of this

849

00:35:08,349 --> 00:35:13,090

conversation in 1332 Richard Saunders

850

00:35:10,480 --> 00:35:14,740

from Australian skeptics aspho me all

851

00:35:13,090 --> 00:35:16,390

the way from San Francisco listening to

852

00:35:14,739 --> 00:35:19,509

the program nice to know that someone's

853

00:35:16,389 --> 00:35:21,069

listening Richard oh I'm sure I must be

854

00:35:19,510 --> 00:35:23,440

one of countless thousands hey listen

855

00:35:21,070 --> 00:35:27,220

Richard I'm the board starting to go off

856
00:35:23,440 --> 00:35:29,858
you I'm happy to wait till after the

857
00:35:27,219 --> 00:35:31,629
news and take some calls I can do my

858
00:35:29,858 --> 00:35:33,940
best i can do my best to answer

859
00:35:31,630 --> 00:35:35,920
questions it's bear in mind it's hard

860
00:35:33,940 --> 00:35:37,780
for me it's almost impossible for me to

861
00:35:35,920 --> 00:35:39,820
hear a story about someone will say are

862
00:35:37,780 --> 00:35:41,920
they saw the UFO or their psychic

863
00:35:39,820 --> 00:35:43,900
problem is that and and really comment

864
00:35:41,920 --> 00:35:45,909
though because i wasn't there yeah i

865
00:35:43,900 --> 00:35:48,940
know but you can but like james randi

866
00:35:45,909 --> 00:35:50,469
maybe you can explain how did you see

867
00:35:48,940 --> 00:35:52,809
that classic piece of television when

868
00:35:50,469 --> 00:35:55,179
James Randi was on Don Lane talking

869
00:35:52,809 --> 00:35:57,250
about Doris Stokes I saw it live and

870
00:35:55,179 --> 00:35:59,769
I've seen it many many many I saw it

871
00:35:57,250 --> 00:36:01,539
live too yeah I when I'm at the

872
00:35:59,769 --> 00:36:03,608
conference next week of james randi i'll

873
00:36:01,539 --> 00:36:06,039
be playing that for the audience that

874
00:36:03,608 --> 00:36:08,319
clip it so famous it was another such

875
00:36:06,039 --> 00:36:11,679
poor form of dawn because he invited him

876
00:36:08,320 --> 00:36:14,440
on yeah and james randi loves her till

877
00:36:11,679 --> 00:36:18,279
the back story behind that Jo we're done

878
00:36:14,440 --> 00:36:21,070
mine tried to trick Brandi did you know

879
00:36:18,280 --> 00:36:22,630
to catch him out and Don wasn't very

880
00:36:21,070 --> 00:36:24,460
happy with Randy at all in that

881
00:36:22,630 --> 00:36:27,099
situation you know what head is how did

882
00:36:24,460 --> 00:36:28,900
he try and trick him out well he invited

883
00:36:27,099 --> 00:36:31,480
here on this is according to james randi

884

00:36:28,900 --> 00:36:34,000
of course he'd done in by the journey on

885
00:36:31,480 --> 00:36:37,240
the show to talk about these matters and

886
00:36:34,000 --> 00:36:38,199
now James Randi like like I do I I love

887
00:36:37,239 --> 00:36:40,419
to bend spoons

888
00:36:38,199 --> 00:36:41,980
a great trick in fact I've been a spoon

889
00:36:40,420 --> 00:36:44,588
to you many years ago on a radio station

890
00:36:41,980 --> 00:36:46,630
I seem to remember you came in that's

891
00:36:44,588 --> 00:36:47,920
what we're worried another radio station

892
00:36:46,630 --> 00:36:50,260
just right here came in you bend a spoon

893
00:36:47,920 --> 00:36:54,039
right in front of me that's right and

894
00:36:50,260 --> 00:36:56,020
and you know it that looks like I could

895
00:36:54,039 --> 00:36:57,579
have said to you if I came in as Richard

896
00:36:56,019 --> 00:36:58,960
Saunders the great psychic can bend the

897
00:36:57,579 --> 00:37:00,730
spoon you might have walking been

898
00:36:58,960 --> 00:37:02,170

running away scratching your head but I

899

00:37:00,730 --> 00:37:03,219

made it clear to you was a trick I

900

00:37:02,170 --> 00:37:06,490

didn't tell you how the trick was done

901

00:37:03,219 --> 00:37:08,588

anyway they gone lines had come on the

902

00:37:06,489 --> 00:37:09,848

show James Randi and been some spoons

903

00:37:08,588 --> 00:37:11,259

did this and randy said look I don't

904

00:37:09,849 --> 00:37:13,630

want to do that magic I'd rather just

905

00:37:11,260 --> 00:37:15,339

talk about this thing and when as soon

906

00:37:13,630 --> 00:37:18,220

as Randy got on the show there with the

907

00:37:15,338 --> 00:37:21,099

spoon so darlin was trying to put Randy

908

00:37:18,219 --> 00:37:23,500

on the spot in that situation yeah all

909

00:37:21,099 --> 00:37:26,530

right look I'm gonna I like to have an

910

00:37:23,500 --> 00:37:28,480

open mind I never say never I mean here

911

00:37:26,530 --> 00:37:29,829

we are it's four minutes to three

912

00:37:28,480 --> 00:37:31,510

o'clock all around Australia we're

913
00:37:29,829 --> 00:37:33,970
broadcasting to a we're probably going

914
00:37:31,510 --> 00:37:38,349
to get a few funny calls but I mean you

915
00:37:33,969 --> 00:37:40,838
know can somebody speak to dead people

916
00:37:38,349 --> 00:37:45,099
is there a spirit world that you can tap

917
00:37:40,838 --> 00:37:47,949
into and and you say Richard that know

918
00:37:45,099 --> 00:37:49,088
that it's a saying definitely not or it

919
00:37:47,949 --> 00:37:51,578
hasn't been proven to your satisfaction

920
00:37:49,088 --> 00:37:55,599
Oh haven't been proven by satisfaction I

921
00:37:51,579 --> 00:37:57,818
would probably say most absolutely most

922
00:37:55,599 --> 00:37:59,380
certainly probably not I can't feel

923
00:37:57,818 --> 00:38:00,639
recently really believe all right well

924
00:37:59,380 --> 00:38:02,530
if you've got a story you'd like to

925
00:38:00,639 --> 00:38:04,299
convince Richard or maybe he can explain

926
00:38:02,530 --> 00:38:06,609
how it was done give us a call now

927

00:38:04,300 --> 00:38:08,109
thirteen thirteen thirty-two Richard

928

00:38:06,608 --> 00:38:09,940
Saunders from Australian skeptics as

929

00:38:08,108 --> 00:38:11,799
foamy all the way from San Francisco we

930

00:38:09,940 --> 00:38:14,470
will take a break news is next and we'll

931

00:38:11,800 --> 00:38:16,690
come back with your calls last hour we

932

00:38:14,469 --> 00:38:20,230
were talking about the scathing article

933

00:38:16,690 --> 00:38:22,000
that Fairfax journalists columnist Peter

934

00:38:20,230 --> 00:38:25,179
fit Simon's filed in his Sunday paper

935

00:38:22,000 --> 00:38:26,559
talking about John Edward who is coming

936

00:38:25,179 --> 00:38:28,088
to australia in November and he's done

937

00:38:26,559 --> 00:38:32,799
the promotional tour and he's spoken on

938

00:38:28,088 --> 00:38:35,440
this radio station I know um and you

939

00:38:32,800 --> 00:38:36,849
know he just if you watch his crossing

940

00:38:35,440 --> 00:38:38,710
over program doesn't know what he has to

941

00:38:36,849 --> 00:38:40,960
say when you either believe

942
00:38:38,710 --> 00:38:43,150
wholeheartedly that he can talk to dead

943
00:38:40,960 --> 00:38:44,500
people and can tune into one of your

944
00:38:43,150 --> 00:38:46,450
dead relatives and tell you how they're

945
00:38:44,500 --> 00:38:47,800
going as Pete if it's simon says you

946
00:38:46,449 --> 00:38:50,449
know he says that he can talk to dead

947
00:38:47,800 --> 00:38:53,510
people and and

948
00:38:50,449 --> 00:38:55,578
um he can give you the lowdown on how

949
00:38:53,510 --> 00:38:58,849
your dead ones are doing and invariably

950
00:38:55,579 --> 00:39:02,390
they're doing pretty well listening to

951
00:38:58,849 --> 00:39:04,309
my conversation my editorial all the way

952
00:39:02,389 --> 00:39:06,379
from San Francisco's Richard Saunders

953
00:39:04,309 --> 00:39:08,358
who was with the australian skeptics and

954
00:39:06,380 --> 00:39:09,380
he's that phone through to the program

955
00:39:08,358 --> 00:39:11,809

and been good enough to give us some

956

00:39:09,380 --> 00:39:14,599

time this morning Richard welcome back

957

00:39:11,809 --> 00:39:16,489

along it's good he's there welcome back

958

00:39:14,599 --> 00:39:18,500

thanks for waiting on and you said that

959

00:39:16,489 --> 00:39:20,149

you were happy to to take a couple of

960

00:39:18,500 --> 00:39:22,400

calls and try and explain how these

961

00:39:20,150 --> 00:39:25,550

people do these things now we mentioned

962

00:39:22,400 --> 00:39:29,320

that movie leap of faith yeah now in

963

00:39:25,550 --> 00:39:32,000

that movie Steve Martin plays a preacher

964

00:39:29,320 --> 00:39:34,609

we just got a Pentecostal preacher what

965

00:39:32,000 --> 00:39:36,800

would you call him Oh an evangelistic

966

00:39:34,608 --> 00:39:41,900

yeah it's sort of evangelistic

967

00:39:36,800 --> 00:39:43,700

charismatic so so time still impose song

968

00:39:41,900 --> 00:39:45,740

and dance giving people's emotions

969

00:39:43,699 --> 00:39:48,739

whipped up giving them carried away

970
00:39:45,739 --> 00:39:51,139
little bit of hysteria um yeah something

971
00:39:48,739 --> 00:39:53,179
I got ya yeah and he visits small towns

972
00:39:51,139 --> 00:39:55,400
towns of the struggling takes money of

973
00:39:53,179 --> 00:39:59,719
people and he claims he can cure them

974
00:39:55,400 --> 00:40:01,400
make them walk yeah you know that do all

975
00:39:59,719 --> 00:40:04,338
that sort of thing and basically it's a

976
00:40:01,400 --> 00:40:06,858
show and we see that because he has a

977
00:40:04,338 --> 00:40:09,858
team of staff going into the audience

978
00:40:06,858 --> 00:40:13,759
and they already know a lot about the

979
00:40:09,858 --> 00:40:15,440
the the so-called victims here he has an

980
00:40:13,760 --> 00:40:17,780
earpiece he has somebody in a van with

981
00:40:15,440 --> 00:40:20,990
the within a sound van talking to him

982
00:40:17,780 --> 00:40:24,170
and that sort of thing really happens it

983
00:40:20,989 --> 00:40:26,719
really happens well I'll say that it

984
00:40:24,170 --> 00:40:31,059
really happened those stories were based

985
00:40:26,719 --> 00:40:32,899
on real events at james randi exposed I

986
00:40:31,059 --> 00:40:35,000
dealers have learned something from

987
00:40:32,900 --> 00:40:36,680
James Randi over the years and they've

988
00:40:35,000 --> 00:40:39,349
learned but they don't have to do so

989
00:40:36,679 --> 00:40:40,969
much rely on tricks in order to convince

990
00:40:39,349 --> 00:40:43,250
people that they're really in contact

991
00:40:40,969 --> 00:40:45,559
with supernatural forces or the healing

992
00:40:43,250 --> 00:40:47,929
them they've discovered that people will

993
00:40:45,559 --> 00:40:49,759
simply believe that anyway and they

994
00:40:47,929 --> 00:40:52,639
don't have to rely on so many tricks

995
00:40:49,760 --> 00:40:54,520
people can just roll up I mean a lot of

996
00:40:52,639 --> 00:40:59,269
people have got very good hearts and a

997
00:40:54,519 --> 00:41:01,400
very entrusting in their religion and

998

00:40:59,269 --> 00:41:03,050
they'll turn up believing with their you

999
00:41:01,400 --> 00:41:03,889
know communicating with their there

1000
00:41:03,050 --> 00:41:05,630
certain God

1001
00:41:03,889 --> 00:41:09,108
whatever it may be and these are nice

1002
00:41:05,630 --> 00:41:10,608
decent people uh and the people who take

1003
00:41:09,108 --> 00:41:12,469
advantage of people like that have a

1004
00:41:10,608 --> 00:41:14,719
different moral compass to you and I

1005
00:41:12,469 --> 00:41:17,328
they really do and a really good point

1006
00:41:14,719 --> 00:41:19,038
in the movie is when the sheriff who it

1007
00:41:17,329 --> 00:41:20,539
really doesn't want this bloke in town

1008
00:41:19,039 --> 00:41:22,069
because he's concerned genuinely

1009
00:41:20,539 --> 00:41:23,720
concerned for the welfare of the town's

1010
00:41:22,068 --> 00:41:25,880
folk who were doing a tough in the

1011
00:41:23,719 --> 00:41:28,308
middle of a drought and he gets the dirt

1012
00:41:25,880 --> 00:41:30,588

on Steve Martin's character and he

1013

00:41:28,309 --> 00:41:33,019

interrupts the service and he reads out

1014

00:41:30,588 --> 00:41:35,599

his his you know his rap sheet yeah

1015

00:41:33,018 --> 00:41:36,949

grand or a Grand Theft Auto at an early

1016

00:41:35,599 --> 00:41:38,778

age and it just goes on and on and on

1017

00:41:36,949 --> 00:41:41,058

and on and Steve Martin turns around

1018

00:41:38,778 --> 00:41:44,510

says yeah that's true I was a sinner and

1019

00:41:41,059 --> 00:41:46,430

now I have seen the way you know and the

1020

00:41:44,510 --> 00:41:49,490

head and the crew and the crown London

1021

00:41:46,429 --> 00:41:51,528

yeah yeah but its hands of these people

1022

00:41:49,489 --> 00:41:53,419

that put a foot wrong and you wouldn't

1023

00:41:51,528 --> 00:41:55,969

believe it the guy that rarely exposed

1024

00:41:53,420 --> 00:41:58,250

many years ago his name was peter Popoff

1025

00:41:55,969 --> 00:42:00,649

he had the earpiece he was getting

1026

00:41:58,250 --> 00:42:04,849

information from his wife backstage via

1027
00:42:00,650 --> 00:42:06,680
the radio transmissions ah Randy put him

1028
00:42:04,849 --> 00:42:08,599
out of business effectively only for a

1029
00:42:06,679 --> 00:42:11,118
while peter Popoff is back and still

1030
00:42:08,599 --> 00:42:13,490
making millions of dollars it's it's

1031
00:42:11,119 --> 00:42:15,349
frustrating but it's ugly people just

1032
00:42:13,489 --> 00:42:16,699
keep on believing it is it is

1033
00:42:15,349 --> 00:42:19,099
unbelievable some people are gullible

1034
00:42:16,699 --> 00:42:21,169
but some people believe and I don't know

1035
00:42:19,099 --> 00:42:22,730
who am I to take there who are we to

1036
00:42:21,170 --> 00:42:25,400
take their dreams away Richard Saunders

1037
00:42:22,730 --> 00:42:28,699
is with me andrew is online and ruin a

1038
00:42:25,400 --> 00:42:30,380
good evening how are you I'm good Andrew

1039
00:42:28,699 --> 00:42:32,389
all good morning actually a good morning

1040
00:42:30,380 --> 00:42:34,930
you wanted to talk to Richard yeah i

1041
00:42:32,389 --> 00:42:38,509
just wanted to state the obvious the

1042
00:42:34,929 --> 00:42:42,108
psychics know everything what are their

1043
00:42:38,509 --> 00:42:43,909
advertising have web tychon edwards it's

1044
00:42:42,108 --> 00:42:49,130
in the paper surely they've already

1045
00:42:43,909 --> 00:42:50,690
looked out the letter numbers that is

1046
00:42:49,130 --> 00:42:53,210
they don't they know the winner at

1047
00:42:50,690 --> 00:42:55,369
Moonee Valley yeah unless all the

1048
00:42:53,210 --> 00:42:58,579
Melbourne Cup I could kill you right now

1049
00:42:55,369 --> 00:43:02,028
he's gonna win it yeah it's gonna be a

1050
00:42:58,579 --> 00:43:04,250
big brown horse oh wow you're good I'm

1051
00:43:02,028 --> 00:43:07,309
very and very good man drew you're on

1052
00:43:04,250 --> 00:43:08,929
fire Andrew Andrew let me give you the

1053
00:43:07,309 --> 00:43:10,490
answer that they always give me when I

1054
00:43:08,929 --> 00:43:12,828
put the similar question to them they'll

1055

00:43:10,489 --> 00:43:15,679
say you don't understand it doesn't work

1056
00:43:12,829 --> 00:43:17,880
like that and that's all they need say

1057
00:43:15,679 --> 00:43:21,480
it's all they need say inside

1058
00:43:17,880 --> 00:43:22,769
beginner jail free card for them of

1059
00:43:21,480 --> 00:43:25,460
course they don't come up with a lotto

1060
00:43:22,769 --> 00:43:27,780
numbers of these they should shouldn't

1061
00:43:25,460 --> 00:43:30,150
well not just a lot of numbers i mean

1062
00:43:27,780 --> 00:43:32,780
everything if you are psychic as I my

1063
00:43:30,150 --> 00:43:35,820
first question would be is where's mh370

1064
00:43:32,780 --> 00:43:37,380
it's a good good point absolutely good

1065
00:43:35,820 --> 00:43:39,150
point and there's a lot of psychic well

1066
00:43:37,380 --> 00:43:40,950
so-called psychics out there posting on

1067
00:43:39,150 --> 00:43:42,329
website saying I we think it's here we

1068
00:43:40,949 --> 00:43:45,389
think it's there we think it's they

1069
00:43:42,329 --> 00:43:48,420

don't know Jim from Kansas online can I

1070

00:43:45,389 --> 00:43:53,849

gym good morning I oh well I'm good how

1071

00:43:48,420 --> 00:43:55,920

are you Richard hello can you hear me

1072

00:43:53,849 --> 00:43:57,900

right yeah I can hear you loud and clear

1073

00:43:55,920 --> 00:43:59,880

all the way from San Francisco good

1074

00:43:57,900 --> 00:44:01,800

person Richard I want to talk to you

1075

00:43:59,880 --> 00:44:03,900

about a near-death experience that a

1076

00:44:01,800 --> 00:44:07,380

young feller I went to school with many

1077

00:44:03,900 --> 00:44:09,480

years ago head yeah I was back in the

1078

00:44:07,380 --> 00:44:11,579

late 70s that we were hired we were

1079

00:44:09,480 --> 00:44:13,349

dissecting some rats and this young

1080

00:44:11,579 --> 00:44:16,049

fella happened to look into the garbage

1081

00:44:13,349 --> 00:44:18,269

game for and these desires rats and so

1082

00:44:16,050 --> 00:44:21,230

forward in collecting that we had to

1083

00:44:18,269 --> 00:44:28,619

drag him out remember anything Bella

1084
00:44:21,230 --> 00:44:31,260
good god that was me ah Jim he went to

1085
00:44:28,619 --> 00:44:33,509
school was Richard did you I did I did

1086
00:44:31,260 --> 00:44:38,160
Giants better from where I vicodin left

1087
00:44:33,510 --> 00:44:42,270
the right 70 that was actually 1983-84

1088
00:44:38,159 --> 00:44:44,670
but you're close veterinary yeah we were

1089
00:44:42,269 --> 00:44:46,079
doing an experiment on rats and I don't

1090
00:44:44,670 --> 00:44:48,690
know if they still do that to poor old

1091
00:44:46,079 --> 00:44:50,789
rats but at the time and when we were

1092
00:44:48,690 --> 00:44:54,990
sent back to get some and yeah I was a

1093
00:44:50,789 --> 00:44:56,489
little over come and face forward into

1094
00:44:54,989 --> 00:44:59,879
the Buddha's I remember we had to drag

1095
00:44:56,489 --> 00:45:02,399
you area for lab and I woke up going

1096
00:44:59,880 --> 00:45:08,220
what the hell's going on exactly exactly

1097
00:45:02,400 --> 00:45:10,289
I don't quite remember dying but it's on

1098
00:45:08,219 --> 00:45:12,019
par so modest young boys do to go I

1099
00:45:10,289 --> 00:45:16,920
shake you at the time I think that's a

1100
00:45:12,019 --> 00:45:19,019
pretty powerful piece you again in there

1101
00:45:16,920 --> 00:45:20,820
good to see you doing well thank you

1102
00:45:19,019 --> 00:45:22,679
very much mate those were those were

1103
00:45:20,820 --> 00:45:24,210
it's a long time ago but there you go i

1104
00:45:22,679 --> 00:45:26,329
wonder what happened to those poor old

1105
00:45:24,210 --> 00:45:29,550
rights i don't remember

1106
00:45:26,329 --> 00:45:33,598
can I get on your jazz Kansas morning

1107
00:45:29,550 --> 00:45:36,030
Jim lovely about 14 degrees is it that's

1108
00:45:33,599 --> 00:45:37,800
beautiful yeah your overnight low was 18

1109
00:45:36,030 --> 00:45:39,660
expected to be 18 so it should be warmer

1110
00:45:37,800 --> 00:45:40,590
than that well probably has been a

1111
00:45:39,659 --> 00:45:42,598
little bit of right i would actually

1112

00:45:40,590 --> 00:45:44,670
checked the temperature gotta jump wrong

1113
00:45:42,599 --> 00:45:46,890
with it gets cold but yeah you think

1114
00:45:44,670 --> 00:45:48,119
it's cold I think I tell you think 18

1115
00:45:46,889 --> 00:45:50,069
degrees is called you're getting up to

1116
00:45:48,119 --> 00:45:51,930
25 today get on your Jim thanks for the

1117
00:45:50,070 --> 00:45:55,260
call that was actually look back that

1118
00:45:51,929 --> 00:45:58,469
was good fun Richard 13 13 32 Richard if

1119
00:45:55,260 --> 00:46:00,480
somebody gets a reading from a psychic

1120
00:45:58,469 --> 00:46:02,639
yeah and there are plenty of people

1121
00:46:00,480 --> 00:46:04,019
listening who you know are probably

1122
00:46:02,639 --> 00:46:06,750
planning on doing it than in the

1123
00:46:04,019 --> 00:46:09,150
not-too-distant future other people yeah

1124
00:46:06,750 --> 00:46:11,730
you know have a regular person that they

1125
00:46:09,150 --> 00:46:15,000
go to for reassurance i suppose that and

1126
00:46:11,730 --> 00:46:18,269

the most common questions are money love

1127

00:46:15,000 --> 00:46:20,309

and work aren't they yeah health money

1128

00:46:18,269 --> 00:46:25,079

I've worked that sort of things if

1129

00:46:20,309 --> 00:46:28,108

people want tips always record your

1130

00:46:25,079 --> 00:46:29,940

psychic reading take a little mp3

1131

00:46:28,108 --> 00:46:31,980

recorder or whatever that you may have

1132

00:46:29,940 --> 00:46:34,050

your your phone off and records things

1133

00:46:31,980 --> 00:46:38,639

these days yes another tip is don't

1134

00:46:34,050 --> 00:46:40,230

answer questions if a psychic is asking

1135

00:46:38,639 --> 00:46:41,940

you questions all I can ask you a

1136

00:46:40,230 --> 00:46:43,800

question Damien anybody down the street

1137

00:46:41,940 --> 00:46:45,539

can ask your questions the whole idea

1138

00:46:43,800 --> 00:46:47,940

about the psychic is they should be able

1139

00:46:45,539 --> 00:46:50,460

to glean knowledge using mystical powers

1140

00:46:47,940 --> 00:46:53,760

and not have to ask you and the other

1141
00:46:50,460 --> 00:46:55,289
things ask them questions if you're

1142
00:46:53,760 --> 00:46:58,410
going for a psychic reading turn up and

1143
00:46:55,289 --> 00:47:01,349
say oh here's a question for you what

1144
00:46:58,409 --> 00:47:03,029
was I doing in high school in 1983 or

1145
00:47:01,349 --> 00:47:05,099
something like that and see if they can

1146
00:47:03,030 --> 00:47:07,769
answer your questions to your

1147
00:47:05,099 --> 00:47:10,650
satisfaction but the it's amazing how

1148
00:47:07,769 --> 00:47:11,820
many people will forget after it really

1149
00:47:10,650 --> 00:47:12,930
happened and when they hear their

1150
00:47:11,820 --> 00:47:15,570
recording back they're often quite

1151
00:47:12,929 --> 00:47:18,389
shocked is how many times the psychic

1152
00:47:15,570 --> 00:47:20,550
simply asked them people for the

1153
00:47:18,389 --> 00:47:24,059
information it's it's it's gobsmacking

1154
00:47:20,550 --> 00:47:26,220
that they're my tips so the psychic will

1155
00:47:24,059 --> 00:47:28,710
ask you questions about yourself and you

1156
00:47:26,219 --> 00:47:30,480
sort of end up telling them absolutely

1157
00:47:28,710 --> 00:47:32,309
and in that and then they'll say okay

1158
00:47:30,480 --> 00:47:33,539
for example let's say you're trying to

1159
00:47:32,309 --> 00:47:35,849
get in touch with your father who's

1160
00:47:33,539 --> 00:47:38,400
passed away and the psychic will say

1161
00:47:35,849 --> 00:47:39,530
your father was a was a loving person

1162
00:47:38,400 --> 00:47:40,639
you had a very good

1163
00:47:39,530 --> 00:47:42,710
relationship with your father well I

1164
00:47:40,639 --> 00:47:44,299
suppose if you wanted to know about your

1165
00:47:42,710 --> 00:47:46,159
father and you were grieving especially

1166
00:47:44,300 --> 00:47:47,750
years after he passed away it's pretty

1167
00:47:46,159 --> 00:47:50,210
obvious you were close to your father

1168
00:47:47,750 --> 00:47:52,159
yeah but it's interesting what they'll

1169

00:47:50,210 --> 00:47:54,559
often do so I'll catch it in terms I got

1170
00:47:52,159 --> 00:47:56,029
you if you're something on the other

1171
00:47:54,559 --> 00:47:58,309
side of the table they say I'm getting

1172
00:47:56,030 --> 00:47:59,900
an energy coming through to me they're

1173
00:47:58,309 --> 00:48:02,000
telling me it's a bit unclear they're

1174
00:47:59,900 --> 00:48:04,190
telling me it's a father figure it's a

1175
00:48:02,000 --> 00:48:06,170
father figure can you relate to that and

1176
00:48:04,190 --> 00:48:09,139
you might say yes my father passed away

1177
00:48:06,170 --> 00:48:11,450
later on when you're retelling the the

1178
00:48:09,139 --> 00:48:14,000
reading you'll say oh Richard Saunders i

1179
00:48:11,449 --> 00:48:16,339
went for reading here and he knew my

1180
00:48:14,000 --> 00:48:18,079
father passed away you see that where

1181
00:48:16,340 --> 00:48:20,750
isn't a matter of fact you told me the

1182
00:48:18,079 --> 00:48:22,039
information yeah and then if it wasn't

1183
00:48:20,750 --> 00:48:23,840

your father it could have been an uncle

1184

00:48:22,039 --> 00:48:26,989

who could be then described as a father

1185

00:48:23,840 --> 00:48:28,700

figure yes an uncle a good friend and

1186

00:48:26,989 --> 00:48:32,599

all the relative all of those can come

1187

00:48:28,699 --> 00:48:34,730

into the sphere of father figure and

1188

00:48:32,599 --> 00:48:36,349

then there are so many ways that people

1189

00:48:34,730 --> 00:48:39,650

can ask questions like that the ditches

1190

00:48:36,349 --> 00:48:41,119

it's a fascinating topic of study yeah

1191

00:48:39,650 --> 00:48:42,079

it is interesting look good on your

1192

00:48:41,119 --> 00:48:43,579

Richard you've been very very

1193

00:48:42,079 --> 00:48:45,319

interesting i'll talk to you again we'll

1194

00:48:43,579 --> 00:48:47,090

catch up again soon and maybe you can

1195

00:48:45,320 --> 00:48:49,490

come into the studio one morning and

1196

00:48:47,090 --> 00:48:52,250

been some spoons for me my pleasure and

1197

00:48:49,489 --> 00:48:54,439

just before I go and the famous just

1198
00:48:52,250 --> 00:48:56,739
before I go the Australian skeptics have

1199
00:48:54,440 --> 00:48:59,119
a major convention in sydney in november

1200
00:48:56,739 --> 00:49:00,649
when flying people from all around the

1201
00:48:59,119 --> 00:49:02,710
world we have a hundred-thousand-dollar

1202
00:49:00,650 --> 00:49:05,630
challenge the first psychic who can

1203
00:49:02,710 --> 00:49:09,800
prove their jobs and people can find out

1204
00:49:05,630 --> 00:49:13,490
more at skeptics com au so you will pay

1205
00:49:09,800 --> 00:49:16,580
a hundred thousand dollars yeah all they

1206
00:49:13,489 --> 00:49:18,769
have to do is is prove their claim if

1207
00:49:16,579 --> 00:49:20,409
they say they can talk to the dead will

1208
00:49:18,769 --> 00:49:22,969
sit down with them and come up with a

1209
00:49:20,409 --> 00:49:24,980
mutually agreed test where they can show

1210
00:49:22,969 --> 00:49:26,480
us and the world nor firmly that they

1211
00:49:24,980 --> 00:49:29,150
can talk to the dead if they say they

1212
00:49:26,480 --> 00:49:32,179
can do water divining rewarded dowsing

1213
00:49:29,150 --> 00:49:34,369
will will let them show us how they can

1214
00:49:32,179 --> 00:49:36,679
do it and if they can do that to the

1215
00:49:34,369 --> 00:49:39,319
satisfaction of not us with a mutually

1216
00:49:36,679 --> 00:49:41,179
agreed independent umpire under a fair

1217
00:49:39,320 --> 00:49:43,100
test demo they get a hundred thousand

1218
00:49:41,179 --> 00:49:46,279
dollars so why doesn't join everybody

1219
00:49:43,099 --> 00:49:48,860
line up makes more money doing the

1220
00:49:46,280 --> 00:49:51,350
circle as easy as it is alright this is

1221
00:49:48,860 --> 00:49:53,059
absolutely economically there's no point

1222
00:49:51,349 --> 00:49:55,009
them to do it good

1223
00:49:53,059 --> 00:49:56,389
dr. Richard thanks for that Thank oh

1224
00:49:55,010 --> 00:49:58,340
thanks for your call Richard Saunders

1225
00:49:56,389 --> 00:50:00,170
from the Australian skeptics Association

1226

00:49:58,340 --> 00:50:02,660
phoning him from San Francisco let's

1227
00:50:00,170 --> 00:50:04,579
listening to us online and I appreciate

1228
00:50:02,659 --> 00:50:08,389
his time I've gotta tell you though this

1229
00:50:04,579 --> 00:50:11,889
woman I spoke to in Canberra was very

1230
00:50:08,389 --> 00:50:23,269
impressive she knocked me for six so

1231
00:50:11,889 --> 00:50:25,250
i'll keep my mind open i think hey guys

1232
00:50:23,269 --> 00:50:27,429
this is jay from the skeptics guide to

1233
00:50:25,250 --> 00:50:29,570
the universe ER well hold on whoa

1234
00:50:27,429 --> 00:50:31,369
everybody knows I'm the only reason to

1235
00:50:29,570 --> 00:50:32,840
listen to the Freak Show right I mean it

1236
00:50:31,369 --> 00:50:39,409
was up to me the show would start with

1237
00:50:32,840 --> 00:50:41,360
this yeah boy well Rebecca would hate

1238
00:50:39,409 --> 00:50:42,949
that probably but I mean I'd rock that

1239
00:50:41,360 --> 00:50:44,599
listen to our show and you can learn

1240
00:50:42,949 --> 00:50:46,069

about cool stuff like a technological

1241

00:50:44,599 --> 00:50:47,900

singularity which is someday when

1242

00:50:46,070 --> 00:50:48,830

technology progresses so fast that it

1243

00:50:47,900 --> 00:50:51,019

would make the Industrial Revolution

1244

00:50:48,829 --> 00:50:54,559

look like a kid science project anyway

1245

00:50:51,019 --> 00:50:57,340

come check us out at WWDC epic sky org

1246

00:50:54,559 --> 00:50:57,340

get your son

1247

00:51:12,500 --> 00:51:17,369

thank you for listening to the skeptic

1248

00:51:15,119 --> 00:51:18,990

zone well I'm looking around the room

1249

00:51:17,369 --> 00:51:20,730

now thinking what shall I pack what

1250

00:51:18,989 --> 00:51:22,798

should I take to the amazing meeting in

1251

00:51:20,730 --> 00:51:25,679

Las Vegas i'll be flying out in a few

1252

00:51:22,798 --> 00:51:28,170

days o las vegas this time of the year

1253

00:51:25,679 --> 00:51:31,169

folks in fact I've been going there now

1254

00:51:28,170 --> 00:51:33,630

for over seven years or something it's

1255
00:51:31,170 --> 00:51:35,250
like walking into a microwave oven ruff

1256
00:51:33,630 --> 00:51:36,568
I don't know how people live there all

1257
00:51:35,250 --> 00:51:38,730
year I guess they just live in the air

1258
00:51:36,568 --> 00:51:41,099
conditioning but the amazing meeting

1259
00:51:38,730 --> 00:51:43,969
will be the time I officially launch the

1260
00:51:41,099 --> 00:51:46,289
vaccination chronicles our documentary

1261
00:51:43,969 --> 00:51:48,449
and after that I'll be letting everybody

1262
00:51:46,289 --> 00:51:51,720
know the URL where you can check it out

1263
00:51:48,449 --> 00:51:54,000
for yourself it runs at exactly 27

1264
00:51:51,719 --> 00:51:56,548
minutes it's been an interesting job

1265
00:51:54,000 --> 00:52:00,179
making something fit exactly into 27

1266
00:51:56,548 --> 00:52:02,068
minutes to the frame editing here and

1267
00:52:00,179 --> 00:52:05,068
they're expanding this bit cutting this

1268
00:52:02,068 --> 00:52:07,920
bit and ordering that bit but that's all

1269
00:52:05,068 --> 00:52:09,568
part of documentary making and of course

1270
00:52:07,920 --> 00:52:10,858
the amazing meaning is only a warm up to

1271
00:52:09,568 --> 00:52:13,949
the Australian skeptics national

1272
00:52:10,858 --> 00:52:15,750
convention in sydney in november where

1273
00:52:13,949 --> 00:52:18,449
the skeptics guide to the universe will

1274
00:52:15,750 --> 00:52:20,278
be there and George Rev Dr Ritchie and

1275
00:52:18,449 --> 00:52:23,399
lots of lots of people we're still

1276
00:52:20,278 --> 00:52:25,858
finalizing a lot of that it's still many

1277
00:52:23,400 --> 00:52:27,690
months away of course but it's never too

1278
00:52:25,858 --> 00:52:29,250
early to buy your ticket especially now

1279
00:52:27,690 --> 00:52:31,409
since the prices have fallen

1280
00:52:29,250 --> 00:52:32,639
considerably and we've got concession

1281
00:52:31,409 --> 00:52:36,980
tickets available and things like that

1282
00:52:32,639 --> 00:52:40,858
check it out wwc optics com today you or

1283

00:52:36,980 --> 00:52:43,528
variate convention dot skeptics com

1284
00:52:40,858 --> 00:52:45,420
don't I you either one will work but

1285
00:52:43,528 --> 00:52:47,099
until next week where the show will go

1286
00:52:45,420 --> 00:52:51,690
out from the amazing meeting that will

1287
00:52:47,099 --> 00:52:53,490
be shown number 2 99 wow this is Richard

1288
00:52:51,690 --> 00:52:56,809
Saunders signing off from the San

1289
00:52:53,489 --> 00:52:56,808
Francisco Bay Area

1290
00:52:59,159 --> 00:53:06,549
you've been listening to the skeptic

1291
00:53:01,570 --> 00:53:10,330
zone visit her website at [www skeptics](http://www.skeptics)

1292
00:53:06,550 --> 00:53:13,260
on TV for comments contacts and extra

1293
00:53:10,329 --> 00:53:13,259
video reports

1294
00:53:16,150 --> 00:53:18,210
you