

The Skeptic Zone
Show 298 - 6 July 2014



San Francisco

1
00:00:21,640 --> 00:00:09,080
welcome to the skeptic zone the podcast

2
00:00:27,760 --> 00:00:24,439
hello and welcome to the skeptic zone

3
00:00:30,589 --> 00:00:27,770
episode number 298 for the sixth of July

4
00:00:35,060 --> 00:00:30,599
2014 Richardson's here with you from the

5
00:00:37,040 --> 00:00:35,070
San Francisco Bay Area just putting my

6
00:00:38,450 --> 00:00:37,050
feet up or putting my feet down actually

7
00:00:40,640 --> 00:00:38,460
in doing a lot of walking around the Bay

8
00:00:43,430 --> 00:00:40,650
Area well I get ready for the amazing

9
00:00:46,579 --> 00:00:43,440
meeting which starts in a oh just a few

10
00:00:48,229 --> 00:00:46,589
days in Las Vegas more about that more

11
00:00:50,450 --> 00:00:48,239
about that in the coming weeks where

12
00:00:52,220 --> 00:00:50,460
i'll be sure to be bringing you many

13
00:00:54,740 --> 00:00:52,230

interviews with some of the interesting

14

00:00:56,660 --> 00:00:54,750

skeptics and other people that are go to

15

00:00:59,029 --> 00:00:56,670

the amazing meeting might even get a

16

00:01:01,490 --> 00:00:59,039

interview with james randi himself and

17

00:01:03,830 --> 00:01:01,500

speaking of james randi i talked about

18

00:01:05,620 --> 00:01:03,840

james randi a little later on in the

19

00:01:08,029 --> 00:01:05,630

show dude this and sort of

20

00:01:09,920 --> 00:01:08,039

higgledy-piggledy order at the end of

21

00:01:12,169 --> 00:01:09,930

this wing show at the end of this week's

22

00:01:15,680 --> 00:01:12,179

show there's a radio interview with me i

23

00:01:19,430 --> 00:01:15,690

was here in the san francisco area sort

24

00:01:21,680 --> 00:01:19,440

of channel surfing on my internet radio

25

00:01:24,230 --> 00:01:21,690

where I happened to hear one of the

26
00:01:26,630 --> 00:01:24,240
Sydney announcers talking about John

27
00:01:28,940 --> 00:01:26,640
Edward and talking with the dead I gave

28
00:01:30,589 --> 00:01:28,950
him a call and Dirk well for the next 20

29
00:01:32,150 --> 00:01:30,599
minutes or so he interviewed me about

30
00:01:35,240 --> 00:01:32,160
all sorts of things and we took some

31
00:01:38,180 --> 00:01:35,250
talk back some call back that's coming

32
00:01:40,400 --> 00:01:38,190
up at the end of this week's show me on

33
00:01:42,350 --> 00:01:40,410
australian radio with presenter Luke

34
00:01:44,270 --> 00:01:42,360
boner what else is coming up in this

35
00:01:45,559 --> 00:01:44,280
week's show well we've got a week in

36
00:01:48,469 --> 00:01:45,569
science of course from the Royal

37
00:01:51,109 --> 00:01:48,479
Institution of Australia as we always do

38
00:01:54,410 --> 00:01:51,119

we have a guest reporter Kevin Davies

39

00:01:57,410 --> 00:01:54,420
from Canberra who did a wonderful job in

40

00:01:59,389 --> 00:01:57,420
helping put together the Australian

41

00:02:01,460 --> 00:01:59,399
skeptics national convention last year

42

00:02:03,380 --> 00:02:01,470
Kevin's going to be talking to Kylie

43

00:02:06,650 --> 00:02:03,390
Walker from the Australian Academy of

44

00:02:09,440 --> 00:02:06,660
Science about helping to promote women

45

00:02:11,570 --> 00:02:09,450
in science promoting women in science

46

00:02:13,400 --> 00:02:11,580
coming up somewhere in the middle of

47

00:02:14,570 --> 00:02:13,410
this week's episode but we're going to

48

00:02:16,580 --> 00:02:14,580
kick off we're going to start with

49

00:02:19,010 --> 00:02:16,590
evidence please with Joe alabaster

50

00:02:20,330 --> 00:02:19,020
what's in your food that's what I want

51
00:02:23,809 --> 00:02:20,340
to know what's in your food food

52
00:02:25,280 --> 00:02:23,819
additives hmm what's going on with food

53
00:02:27,430 --> 00:02:25,290
additives are they good for you are they

54
00:02:30,890 --> 00:02:27,440
bad for you what does the science say

55
00:02:32,539 --> 00:02:30,900
evidence please with Joe alabaster now I

56
00:02:33,970 --> 00:02:32,549
tried some interesting food a few days

57
00:02:37,210 --> 00:02:33,980
ago down in

58
00:02:40,240 --> 00:02:37,220
downtown San Francisco there's a new

59
00:02:44,920 --> 00:02:40,250
store opened i think it's called pepper

60
00:02:47,440 --> 00:02:44,930
palace chemical us it's a talk about a

61
00:02:50,530 --> 00:02:47,450
moth to the flame it's a whole store

62
00:02:53,680 --> 00:02:50,540
devoted to hot chili sauces my goodness

63
00:02:55,690 --> 00:02:53,690

me oh my goodness me so of course I

64

00:02:59,050 --> 00:02:55,700

couldn't resist I had a look tried a few

65

00:03:00,610 --> 00:02:59,060

woof I tried their flashbang sauce and

66

00:03:04,180 --> 00:03:00,620

they don't call it flash bang for

67

00:03:06,220 --> 00:03:04,190

nothing I've had some hot sauces in my

68

00:03:07,479 --> 00:03:06,230

times folks Dave's insanity sauce some

69

00:03:10,750 --> 00:03:07,489

of you might know that it's been a long

70

00:03:14,020 --> 00:03:10,760

time favorite but this stuff was like

71

00:03:16,420 --> 00:03:14,030

nothing I'd never tried before certainly

72

00:03:18,670 --> 00:03:16,430

the hottest hot sauce I've ever tasted

73

00:03:21,670 --> 00:03:18,680

but it's always nice to wander around

74

00:03:25,210 --> 00:03:21,680

San Francisco and have that famous sacks

75

00:03:28,690 --> 00:03:25,220

and China in the sourdough bowl so more

76
00:03:31,539 --> 00:03:28,700
from me at the end of the show about the

77
00:03:33,759 --> 00:03:31,549
vaccination chronicles documentary and

78
00:03:36,490 --> 00:03:33,769
the amazing meeting but right now it's

79
00:03:38,740 --> 00:03:36,500
time for me to run upstairs look in the

80
00:03:43,059 --> 00:03:38,750
fridge not for chili sauce but for some

81
00:03:45,370 --> 00:03:43,069
nice harm calming soothing vanilla

82
00:03:47,740 --> 00:03:45,380
yogurt which does wonders after you've

83
00:04:05,620 --> 00:03:47,750
eaten chili sauce well I do that I hope

84
00:04:16,470 --> 00:04:08,560
what we want is some more evidence

85
00:04:16,480 --> 00:04:21,009
hello this is Joe alabaster

86
00:04:26,060 --> 00:04:23,750
here in Australia food authorities have

87
00:04:29,900 --> 00:04:26,070
deemed that common allergens such as

88
00:04:32,600 --> 00:04:29,910

crustaceans eggs fish milk peanuts soy

89

00:04:34,850 --> 00:04:32,610

beans tree nuts sesame seeds and their

90

00:04:37,189 --> 00:04:34,860

products must be declared in product

91

00:04:38,810 --> 00:04:37,199

ingredient lists clearly in order to

92

00:04:41,050 --> 00:04:38,820

allow consumers to be aware of their

93

00:04:43,580 --> 00:04:41,060

presence and avoid them as they need to

94

00:04:46,159 --> 00:04:43,590

royal jelly is another allergen which

95

00:04:47,840 --> 00:04:46,169

while uncommon must be noted on labels

96

00:04:50,810 --> 00:04:47,850

as an ingredient due to the seriousness

97

00:04:52,850 --> 00:04:50,820

of allergic reactions gluten and

98

00:04:54,650 --> 00:04:52,860

sulfites also feature on ingredients

99

00:04:56,600 --> 00:04:54,660

lists for the sake of people with

100

00:04:59,920 --> 00:04:56,610

medically diagnosed conditions such as

101
00:05:02,060 --> 00:04:59,930
celiac disease and sulfate intolerance

102
00:05:03,650 --> 00:05:02,070
alongside this better known and

103
00:05:05,030 --> 00:05:03,660
understood ingredients of potential

104
00:05:06,650 --> 00:05:05,040
concern to people with medical

105
00:05:09,140 --> 00:05:06,660
conditions involving allergies and

106
00:05:11,120 --> 00:05:09,150
sensitivities Australia also has a list

107
00:05:13,010 --> 00:05:11,130
of five ingredients which must be noted

108
00:05:15,050 --> 00:05:13,020
on a separate advisory and warning

109
00:05:17,180 --> 00:05:15,060
statement often found in a large

110
00:05:20,240 --> 00:05:17,190
typeface near the ingredient list the

111
00:05:23,870 --> 00:05:20,250
five items are a spot m which is labeled

112
00:05:26,210 --> 00:05:23,880
as contains phenylalanine added caffeine

113
00:05:29,350 --> 00:05:26,220

and cola drinks which labeled contains

114

00:05:33,409 --> 00:05:29,360

caffeine gharana also contains caffeine

115

00:05:35,480 --> 00:05:33,419

quinlan contains crinia unpasteurized

116

00:05:38,750 --> 00:05:35,490

egg and milk products which are labeled

117

00:05:40,850 --> 00:05:38,760

as unpasteurized today I'd like to take

118

00:05:42,379 --> 00:05:40,860

a look at these ingredients whether we

119

00:05:43,879 --> 00:05:42,389

should be concerned by their presence in

120

00:05:47,480 --> 00:05:43,889

the products that we eat and drink and

121

00:05:49,129 --> 00:05:47,490

why it is that we label them of the

122

00:05:51,140 --> 00:05:49,139

substances which require mandatory

123

00:05:53,270 --> 00:05:51,150

advisory warning statements here in

124

00:05:55,670 --> 00:05:53,280

Australia none is surrounded by as much

125

00:05:58,159 --> 00:05:55,680

controversy and miss informed concern as

126

00:06:01,279 --> 00:05:58,169

the artificial sweetener aspartame it

127

00:06:03,290 --> 00:06:01,289

was first synthesized in 1965 and sought

128

00:06:07,040 --> 00:06:03,300

under the brand name nutrasweet though

129

00:06:08,719 --> 00:06:07,050

the patent expired in 1992 many claims

130

00:06:11,089 --> 00:06:08,729

have been made over the years about the

131

00:06:12,379 --> 00:06:11,099

dangers of aspartame and as a result it

132

00:06:14,779 --> 00:06:12,389

is one of the most highly scrutinized

133

00:06:16,550 --> 00:06:14,789

food additives the subject of numerous

134

00:06:18,740 --> 00:06:16,560

animal studies clinical and

135

00:06:21,560 --> 00:06:18,750

epidemiological research as well as

136

00:06:23,440 --> 00:06:21,570

post-marketing surveillance and yet the

137

00:06:26,060 --> 00:06:23,450

ant is bottom claims don't go away

138

00:06:28,640 --> 00:06:26,070

Google a spot home and the second search

139

00:06:30,260 --> 00:06:28,650

result is mock haulers website in which

140

00:06:32,089 --> 00:06:30,270

he claims that aspartame causes

141

00:06:33,660 --> 00:06:32,099

everything from slurred speech to

142

00:06:35,550 --> 00:06:33,670

numbness to depression

143

00:06:38,090 --> 00:06:35,560

and chronic illnesses such as mental

144

00:06:39,990 --> 00:06:38,100

retardation birth defects lymphoma

145

00:06:42,540 --> 00:06:40,000

Parkinson's disease and multiple

146

00:06:44,970 --> 00:06:42,550

sclerosis can be triggered or worsened

147

00:06:48,060 --> 00:06:44,980

by the ingestion of aspartame yet

148

00:06:50,610 --> 00:06:48,070

another case of anything syndrome the

149

00:06:52,230 --> 00:06:50,620

aspartame controversy has its dubbed has

150

00:06:54,870 --> 00:06:52,240

been around since it was first approved

151
00:06:57,090 --> 00:06:54,880
for human consumption by the FDA fueled

152
00:06:59,430 --> 00:06:57,100
by dodgy media reports the most famous

153
00:07:01,080 --> 00:06:59,440
being US 60 minutes episode in which it

154
00:07:02,880 --> 00:07:01,090
was suggested that there was a causal

155
00:07:05,330 --> 00:07:02,890
link between brain tumors in this bottom

156
00:07:07,620 --> 00:07:05,340
no such link has ever been found an

157
00:07:10,140 --> 00:07:07,630
unsourced hoax email written by a

158
00:07:12,390 --> 00:07:10,150
non-existent Nancy Michael which claims

159
00:07:15,060 --> 00:07:12,400
a conspiracy between Monsanto in the FDA

160
00:07:18,500 --> 00:07:15,070
and a seemingly endless run of anti

161
00:07:20,970 --> 00:07:18,510
esparto memes spread via social media

162
00:07:22,890 --> 00:07:20,980
public pressure driven by fear and

163
00:07:24,870 --> 00:07:22,900

misinformation has had an effect on the

164

00:07:26,880 --> 00:07:24,880

market several supermarket chains

165

00:07:29,460 --> 00:07:26,890

worldwide have removed aspartame from

166

00:07:31,440 --> 00:07:29,470

their own brand products likewise

167

00:07:33,900 --> 00:07:31,450

concerns about aspartame have driven

168

00:07:36,990 --> 00:07:33,910

fruit authorities worldwide to conduct

169

00:07:39,150 --> 00:07:37,000

studies more studies and revaluations of

170

00:07:41,820 --> 00:07:39,160

studies on the safety of a spot em

171

00:07:44,190 --> 00:07:41,830

alongside msg aspartame is one of the

172

00:07:46,770 --> 00:07:44,200

world's most studied food additives the

173

00:07:48,750 --> 00:07:46,780

results esparto imposes no toxicity

174

00:07:52,230 --> 00:07:48,760

concerns for consumers at current levels

175

00:07:54,870 --> 00:07:52,240

of exposure FDA officials have described

176
00:07:56,520 --> 00:07:54,880
aspartame as quote one of the most

177
00:07:58,530 --> 00:07:56,530
thoroughly tested and studied food

178
00:08:01,170 --> 00:07:58,540
additives the agency has ever approved

179
00:08:05,490 --> 00:08:01,180
to end quote and it's safety as quote

180
00:08:07,470 --> 00:08:05,500
clear-cut end quote so what has

181
00:08:10,110 --> 00:08:07,480
aspartame earned a spot on the advisory

182
00:08:12,210 --> 00:08:10,120
and warning statements list while

183
00:08:14,610 --> 00:08:12,220
aspartame presents no health concerns

184
00:08:16,890 --> 00:08:14,620
for the vast majority of consumers there

185
00:08:19,410 --> 00:08:16,900
is a medical condition which requires an

186
00:08:22,710 --> 00:08:19,420
awareness of its presence the genetic

187
00:08:25,080 --> 00:08:22,720
disorder phenylketonuria or PKU occurs

188
00:08:26,640 --> 00:08:25,090

when two mutated copies of the PK Eugene

189

00:08:28,820 --> 00:08:26,650

fail to produce the enzyme which

190

00:08:32,850 --> 00:08:28,830

metabolizes the amino acid phenylalanine

191

00:08:34,800 --> 00:08:32,860

a component of aspartame PKU is a

192

00:08:36,570 --> 00:08:34,810

serious condition and in many countries

193

00:08:39,210 --> 00:08:36,580

it is screened for with a heel prick

194

00:08:42,230 --> 00:08:39,220

test at birth in Australia the incidence

195

00:08:44,700 --> 00:08:42,240

of PKU in newborns is around 1 in 10,000

196

00:08:46,940 --> 00:08:44,710

with detection and treatment children

197

00:08:49,910 --> 00:08:46,950

with PKU can grow and develop normally

198

00:08:52,370 --> 00:08:49,920

but left undetected and untreated excess

199

00:08:54,770 --> 00:08:52,380

levels of phenylalanine accumulating the

200

00:08:56,120 --> 00:08:54,780

blood and cause brain damage an infant

201
00:08:58,400 --> 00:08:56,130
can develop severe intellectual

202
00:09:00,920 --> 00:08:58,410
disability abnormalities in brain

203
00:09:03,200 --> 00:09:00,930
function mood disorders irregular motor

204
00:09:06,440 --> 00:09:03,210
function microcephaly and behavioral

205
00:09:08,450 --> 00:09:06,450
issues as such people diagnosed with PKU

206
00:09:10,130 --> 00:09:08,460
must be carefully monitored and

207
00:09:12,680 --> 00:09:10,140
diligently follow a phenylalanine

208
00:09:14,840 --> 00:09:12,690
restricted diet of supplementing with a

209
00:09:17,510 --> 00:09:14,850
medical formula containing amino acids

210
00:09:19,790 --> 00:09:17,520
and other nutrients it is vital to the

211
00:09:21,770 --> 00:09:19,800
health of people with PKU and their

212
00:09:23,930 --> 00:09:21,780
carers that they be aware of any

213
00:09:26,690 --> 00:09:23,940

phenylalanine contained within foods and

214

00:09:30,020 --> 00:09:26,700

beverages consumed hence the labeling of

215

00:09:32,060 --> 00:09:30,030

aspartame and other substance on the

216

00:09:35,060 --> 00:09:32,070

advisory and warning statements list is

217

00:09:37,040 --> 00:09:35,070

caffeine be it added to Cola or in the

218

00:09:38,870 --> 00:09:37,050

form of gharana the seeds of which

219

00:09:42,110 --> 00:09:38,880

contain around twice the concentration

220

00:09:44,420 --> 00:09:42,120

of caffeine as coffee beans caffeine is

221

00:09:47,000 --> 00:09:44,430

also found in tea energy drinks

222

00:09:49,070 --> 00:09:47,010

chocolate products and believe it or not

223

00:09:52,100 --> 00:09:49,080

there are trace amounts still found in

224

00:09:54,740 --> 00:09:52,110

decaf coffee while caffeine isn't

225

00:09:56,300 --> 00:09:54,750

necessarily bad in and of itself people

226

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

may wish to pay attention to how much

227

00:09:59,930 --> 00:09:58,320

they're consuming caffeine is a

228

00:10:01,820 --> 00:09:59,940

stimulant which act from the brain and

229

00:10:04,520 --> 00:10:01,830

nervous system and it is possible to

230

00:10:05,840 --> 00:10:04,530

develop caffeine dependency withdrawal

231

00:10:08,930 --> 00:10:05,850

symptoms can include tiredness

232

00:10:11,390 --> 00:10:08,940

crankiness headaches sweating and muscle

233

00:10:13,730 --> 00:10:11,400

pain depending on an individual

234

00:10:16,460 --> 00:10:13,740

sensitivity caffeine can interfere with

235

00:10:18,350 --> 00:10:16,470

sleep cause anxiety and in excessive

236

00:10:20,270 --> 00:10:18,360

doses palpitations and trembling

237

00:10:22,430 --> 00:10:20,280

pregnant women should discuss their

238

00:10:23,690 --> 00:10:22,440

caffeine intake with their doctor and

239

00:10:25,670 --> 00:10:23,700

while there are no professional

240

00:10:27,770 --> 00:10:25,680

guidelines regarding children's caffeine

241

00:10:29,800 --> 00:10:27,780

intake parents should be aware that it

242

00:10:33,080 --> 00:10:29,810

can cause symptoms such as irritability

243

00:10:34,730 --> 00:10:33,090

sleeplessness and stomach upset the

244

00:10:37,730 --> 00:10:34,740

labeling of caffeine allows us to

245

00:10:39,410 --> 00:10:37,740

monitor our intake as we see fit perhaps

246

00:10:41,450 --> 00:10:39,420

I should declare a potential invested

247

00:10:43,010 --> 00:10:41,460

interest here much caffeine has gone

248

00:10:44,960 --> 00:10:43,020

into the writing of this report I

249

00:10:46,940 --> 00:10:44,970

haven't yet been offered a sponsorship

250

00:10:50,450 --> 00:10:46,950

deal from a coffee company but I suspect

251

00:10:52,820 --> 00:10:50,460

it's only a matter of time next Quinn

252

00:10:54,980 --> 00:10:52,830

teen Queenan is the substance with a

253

00:10:57,710 --> 00:10:54,990

fascinating history it has fever

254

00:10:59,960 --> 00:10:57,720

reducing analgesic anti-inflammatory and

255

00:11:00,889 --> 00:10:59,970

anti-material properties and occurs

256

00:11:03,590 --> 00:11:00,899

naturally in the

257

00:11:05,660 --> 00:11:03,600

bark of the chin china tree cinchona

258

00:11:08,059 --> 00:11:05,670

bark was used as a traditional medicine

259

00:11:10,040 --> 00:11:08,069

in Peru and Bolivia before being brought

260

00:11:12,379 --> 00:11:10,050

to Europe in the 17th century and

261

00:11:15,559 --> 00:11:12,389

remained a primary anti-malarial drug of

262

00:11:18,319 --> 00:11:15,569

choice until the 1940s queen ian has a

263

00:11:20,239 --> 00:11:18,329

distinct bitter flavor most recognizable

264

00:11:22,579 --> 00:11:20,249

in tonic water which was indeed

265

00:11:26,389 --> 00:11:22,589

developed as a tonic intended for use as

266

00:11:28,579 --> 00:11:26,399

a prophylactic against malaria in the

267

00:11:30,859 --> 00:11:28,589

early 1800s a British officer in

268

00:11:33,619 --> 00:11:30,869

colonial India came up with the idea of

269

00:11:36,129 --> 00:11:33,629

adding gin tonic water in an effort to

270

00:11:38,540 --> 00:11:36,139

make the tonic water more palatable

271

00:11:40,069 --> 00:11:38,550

modern tonic water tends to have a lower

272

00:11:41,989 --> 00:11:40,079

queen lan content than the original

273

00:11:43,609 --> 00:11:41,999

medicinal tonic water and is often

274

00:11:46,790 --> 00:11:43,619

sweetened with sugar or artificial

275

00:11:48,499 --> 00:11:46,800

sweeteners indeed the FDA in the USA

276

00:11:51,369 --> 00:11:48,509

have limited the Queen n content of

277

00:11:53,629 --> 00:11:51,379

chronic water to 83 milligrams per liter

278

00:11:55,689 --> 00:11:53,639

therapeutic doses are in the range of

279

00:11:58,369 --> 00:11:55,699

five hundred to a thousand milligrams

280

00:12:00,199 --> 00:11:58,379

Quinn in itself is often synthesized

281

00:12:02,419 --> 00:12:00,209

these days but there are still natural

282

00:12:03,859 --> 00:12:02,429

Queen ian products which have precisely

283

00:12:06,429 --> 00:12:03,869

the same chemical make up the

284

00:12:08,989 --> 00:12:06,439

synthesized core name on the market in

285

00:12:10,759 --> 00:12:08,999

the past quinn ian was listed on the

286

00:12:13,160 --> 00:12:10,769

australian pharmaceutical Benefits

287

00:12:15,829 --> 00:12:13,170

Scheme as a medication for reducing the

288

00:12:18,619 --> 00:12:15,839

severity and frequency of nighttime leg

289

00:12:21,350 --> 00:12:18,629

cramps this recommendation was revoked

290

00:12:24,019 --> 00:12:21,360

in 2004 due to its efficacy being

291

00:12:26,900 --> 00:12:24,029

marginal at best an unfavorable harm

292

00:12:28,970 --> 00:12:26,910

benefit profile Quinn n is still

293

00:12:31,369 --> 00:12:28,980

prescribed as part of some anti-malarial

294

00:12:33,169 --> 00:12:31,379

treatments the use for therapeutic doses

295

00:12:35,119 --> 00:12:33,179

of queen anne is associated with many

296

00:12:36,619 --> 00:12:35,129

risks however and patients should be

297

00:12:40,220 --> 00:12:36,629

monitored carefully for signs and

298

00:12:42,079 --> 00:12:40,230

symptoms of adverse events consumer

299

00:12:44,569 --> 00:12:42,089

products containing very low amounts of

300

00:12:46,730 --> 00:12:44,579

quinn ian carey few risks when used as a

301
00:12:49,389 --> 00:12:46,740
mixer for alcoholic beverages the

302
00:12:52,369 --> 00:12:49,399
alcohol is likely of greater concern

303
00:12:54,949 --> 00:12:52,379
however there are people with medically

304
00:12:56,809 --> 00:12:54,959
diagnosed Queen Ian sensitivities who

305
00:12:59,809 --> 00:12:56,819
should avoid or restrict queen in intake

306
00:13:01,579 --> 00:12:59,819
as per their doctor's advice Queen Anne

307
00:13:03,939 --> 00:13:01,589
should also be avoided by people

308
00:13:05,780 --> 00:13:03,949
diagnosed with the metabolic disorder

309
00:13:08,509 --> 00:13:05,790
glucose-6-phosphate dehydrogenase

310
00:13:12,860 --> 00:13:08,519
deficiency which effects red blood cell

311
00:13:14,480 --> 00:13:12,870
metabolism finally on the Obey Zuri and

312
00:13:17,230 --> 00:13:14,490
warning statements list

313
00:13:20,300 --> 00:13:17,240

our unpasteurized egg and milk products

314

00:13:22,699 --> 00:13:20,310

the sale of raw milk from cows for human

315

00:13:24,650 --> 00:13:22,709

consumption is illegal in Australia but

316

00:13:26,780 --> 00:13:24,660

it can still be sold if labeled as a

317

00:13:28,220 --> 00:13:26,790

beauty product and there are kasam

318

00:13:30,350 --> 00:13:28,230

consumers out there who are willing to

319

00:13:32,300 --> 00:13:30,360

seek it out under the Miss help belief

320

00:13:34,460 --> 00:13:32,310

the pasteurization of milk renders it

321

00:13:37,430 --> 00:13:34,470

less healthy to consume quite the

322

00:13:38,960 --> 00:13:37,440

opposite strew it is however possible to

323

00:13:41,690 --> 00:13:38,970

purchase raw goat's milk for human

324

00:13:43,579 --> 00:13:41,700

consumption some cheeses made with

325

00:13:45,139 --> 00:13:43,589

unpasteurized cow's milk have been

326

00:13:46,480 --> 00:13:45,149

approved for production by Food

327

00:13:49,820 --> 00:13:46,490

Standards Australia New Zealand

328

00:13:51,740 --> 00:13:49,830

following risk assessment of course roar

329

00:13:53,420 --> 00:13:51,750

eggs and the norm on our shelves though

330

00:13:54,920 --> 00:13:53,430

pasteurized egg products for cleaning

331

00:13:58,610 --> 00:13:54,930

purposes can be found in some

332

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

supermarket dairy cabinets unpasteurized

333

00:14:03,380 --> 00:14:00,630

egg and milk run a higher risk of

334

00:14:05,139 --> 00:14:03,390

contamination with pathogens Salmonella

335

00:14:08,660 --> 00:14:05,149

can be present in uncooked eggs

336

00:14:11,380 --> 00:14:08,670

salmonella Campylobacter jejuni Listeria

337

00:14:14,120 --> 00:14:11,390

and E coli in raw milk and soft cheeses

338

00:14:16,940 --> 00:14:14,130

toxoplasmosis the cat poo pathogen in

339

00:14:18,949 --> 00:14:16,950

raw goat's milk people who choose to

340

00:14:20,600 --> 00:14:18,959

consume unpasteurized dairy and eggs

341

00:14:22,519 --> 00:14:20,610

should be aware of the risk of serious

342

00:14:25,160 --> 00:14:22,529

poisoning that comes with their decision

343

00:14:27,350 --> 00:14:25,170

particularly if they are elderly in any

344

00:14:29,990 --> 00:14:27,360

way infirm or planning on giving such

345

00:14:31,490 --> 00:14:30,000

foods to children under their care none

346

00:14:33,670 --> 00:14:31,500

of these groups of people are able to

347

00:14:36,110 --> 00:14:33,680

handle the resulting young as well

348

00:14:37,430 --> 00:14:36,120

guidelines recommend the pregnant women

349

00:14:39,440 --> 00:14:37,440

should take special care to avoid

350

00:14:41,920 --> 00:14:39,450

consuming unpasteurized egg and milk

351

00:14:43,910 --> 00:14:41,930

products a salmonella listeria and

352

00:14:47,329 --> 00:14:43,920

toxoplasmosis can all have detrimental

353

00:14:49,490 --> 00:14:47,339

effects on pregnancies food labeling is

354

00:14:51,590 --> 00:14:49,500

a tricky topic to navigate without

355

00:14:53,930 --> 00:14:51,600

understanding the context by which it is

356

00:14:55,910 --> 00:14:53,940

required consumers can experience undue

357

00:14:59,060 --> 00:14:55,920

alarm due to a mandated warning that a

358

00:15:00,710 --> 00:14:59,070

product contains a spot i'm equally we

359

00:15:02,769 --> 00:15:00,720

can be misled by claims placed on

360

00:15:07,030 --> 00:15:02,779

products by manufacturers such as

361

00:15:09,650 --> 00:15:07,040

contains no msg natural light or organic

362

00:15:11,329 --> 00:15:09,660

perhaps the best we can do is to improve

363

00:15:13,760 --> 00:15:11,339

our understanding of the risks benefits

364

00:15:15,980 --> 00:15:13,770

and dodgy claims made about varying

365

00:15:17,720 --> 00:15:15,990

ingredients and food additives I hope

366

00:15:19,670 --> 00:15:17,730

that this report has been informative if

367

00:15:21,350 --> 00:15:19,680

you have any concerns about the

368

00:15:23,240 --> 00:15:21,360

ingredients that I've mentioned have a

369

00:15:31,860 --> 00:15:23,250

chat with your GP or a qualified

370

00:15:37,240 --> 00:15:34,960

hello and Allah needle on solo scoffs of

371

00:15:39,610 --> 00:15:37,250

dip moment when Tyrion at low so now to

372

00:15:44,890 --> 00:15:39,620

skeptics on for reading stop and katie

373

00:15:54,989 --> 00:15:44,900

schneider moving from RC Connor we may

374

00:15:59,739 --> 00:15:57,340

welcome to a weakened science from our

375

00:16:02,769 --> 00:15:59,749

oz bringing you the science you need to

376

00:16:05,229 --> 00:16:02,779

know our obsession with cake is never

377

00:16:12,519 --> 00:16:05,239

ending but did you know how much science

378

00:16:14,169 --> 00:16:12,529

is involved in every piece firstly let's

379

00:16:15,850 --> 00:16:14,179

look at the role of edge ingredients in

380

00:16:18,549 --> 00:16:15,860

making your piece of cake nice and

381

00:16:20,650 --> 00:16:18,559

fluffy starting with sugar when you

382

00:16:22,299 --> 00:16:20,660

cream butter and sugar together air gets

383

00:16:24,579 --> 00:16:22,309

trapped on the rough surface of the

384

00:16:26,889 --> 00:16:24,589

sugar crystals giving you a foamy batter

385

00:16:28,809 --> 00:16:26,899

the fat in the batter coats these air

386

00:16:31,539 --> 00:16:28,819

bubbles helping to hold them in the

387

00:16:33,819 --> 00:16:31,549

mixture however when they heat up these

388

00:16:36,280 --> 00:16:33,829

bubbles pop leave me with a flat and

389

00:16:38,949 --> 00:16:36,290

dense cake but that's where eggs come in

390

00:16:41,079 --> 00:16:38,959

the proteins also coat these air bubbles

391

00:16:43,449 --> 00:16:41,089

when these proteins are heated they

392

00:16:45,189 --> 00:16:43,459

Harden stopping the bubble from popping

393

00:16:47,710 --> 00:16:45,199

and trapping the air inside the cake

394

00:16:50,229 --> 00:16:47,720

baking powder is the last ingredients in

395

00:16:52,419 --> 00:16:50,239

making your cake lisen fluffy it's as a

396

00:16:55,090 --> 00:16:52,429

mixture of bicarbonate of soda and cream

397

00:16:57,309 --> 00:16:55,100

of tartar an alkali in an acid which

398

00:16:59,710 --> 00:16:57,319

react with heat and water to form carbon

399

00:17:01,480 --> 00:16:59,720

dioxide this helps expand those air

400

00:17:03,480 --> 00:17:01,490

bubbles adding yet another level of

401
00:17:06,819 --> 00:17:03,490
fluffiness

402
00:17:09,220 --> 00:17:06,829
so what role does flour have them well

403
00:17:11,110 --> 00:17:09,230
flour proteins combine to form gluten

404
00:17:13,449 --> 00:17:11,120
which forms a stretchy web structure

405
00:17:15,520 --> 00:17:13,459
through the cake as the air bubbles are

406
00:17:17,860 --> 00:17:15,530
expanding the gluten stretches to

407
00:17:20,920 --> 00:17:17,870
contain them when the gluten reaches

408
00:17:22,540 --> 00:17:20,930
about 80 degrees it hardens preventing

409
00:17:25,120 --> 00:17:22,550
the cake from collapsing inwards and

410
00:17:27,850 --> 00:17:25,130
maintaining its expanded shape leaving

411
00:17:30,310 --> 00:17:27,860
you with a light fluffy cake the second

412
00:17:32,170 --> 00:17:30,320
role of flour to provide starch this

413
00:17:34,690 --> 00:17:32,180

helps the egg proteins stay strong and

414

00:17:37,390 --> 00:17:34,700

trap those air bubbles inside and form

415

00:17:42,160 --> 00:17:37,400

the final texture of the cake and now

416

00:17:43,960 --> 00:17:42,170

for fast facts about cakes cakes as we

417

00:17:46,420 --> 00:17:43,970

know them probably only came about in

418

00:17:48,790 --> 00:17:46,430

the 18th or 19th century with the advent

419

00:17:51,520 --> 00:17:48,800

of baking powders replacing yeast as the

420

00:17:54,880 --> 00:17:51,530

leavening agent some people add Sultan's

421

00:17:56,970 --> 00:17:54,890

cakes salt in sweet what but it does

422

00:17:59,560 --> 00:17:56,980

help strengthen that gluten structure

423

00:18:01,780 --> 00:17:59,570

despite saying that gluten is vital for

424

00:18:03,550 --> 00:18:01,790

creating the structure of the cake too

425

00:18:05,950 --> 00:18:03,560

much gluten can result in a heavy

426

00:18:08,650 --> 00:18:05,960

texture the amount of butter helps

427

00:18:11,170 --> 00:18:08,660

control that reaction and sugar also

428

00:18:13,450 --> 00:18:11,180

helps the caramelization reaction called

429

00:18:15,760 --> 00:18:13,460

my yard reaction giving that golden

430

00:18:18,310 --> 00:18:15,770

surface on top that's it for this week

431

00:18:20,350 --> 00:18:18,320

in science for more information on the

432

00:18:24,670 --> 00:18:20,360

science of baking sink your sweet tooth

433

00:18:27,700 --> 00:18:24,680

into the RLS website RI aus org dot a

434

00:18:30,610 --> 00:18:27,710

you follow us on twitter at arias and

435

00:18:41,540 --> 00:18:30,620

like us on facebook i'm ben lewis and

436

00:18:47,400 --> 00:18:44,820

hi this is Tim Farley you probably know

437

00:18:50,190 --> 00:18:47,410

me from what's the harm net a catalog of

438

00:18:52,500 --> 00:18:50,200

the real world harm caused by lack of

439

00:18:55,650 --> 00:18:52,510

critical thinking but that's not my only

440

00:18:58,560 --> 00:18:55,660

project i present at skeptic events I

441

00:19:00,840 --> 00:18:58,570

post a daily skeptic history fact on

442

00:19:03,299 --> 00:19:00,850

Twitter and Facebook and I blog about

443

00:19:06,480 --> 00:19:03,309

using new techniques on the internet to

444

00:19:09,960 --> 00:19:06,490

advance skepticism come over to skept

445

00:19:13,049 --> 00:19:09,970

tools com and check out my latest ideas

446

00:19:18,030 --> 00:19:13,059

but first enjoy the rest of the skeptic

447

00:19:22,380 --> 00:19:20,670

well I am here today with Kylie Walker

448

00:19:25,410 --> 00:19:22,390

from the Australian Academy of Science

449

00:19:28,260 --> 00:19:25,420

hello Kylie hello how are you today I'm

450

00:19:30,390 --> 00:19:28,270

very well thank you now can you tell me

451
00:19:32,370 --> 00:19:30,400
what is the Australian Academy of

452
00:19:34,110 --> 00:19:32,380
Science the Australian Academy of

453
00:19:36,120 --> 00:19:34,120
science the Fellowship of Australia's

454
00:19:38,490 --> 00:19:36,130
most eminent research scientists it's

455
00:19:40,620 --> 00:19:38,500
based on the Royal Society of London

456
00:19:42,720 --> 00:19:40,630
which is the oldest scientific Academy

457
00:19:45,540 --> 00:19:42,730
in the world and essentially we

458
00:19:47,400 --> 00:19:45,550
represent the scientists who may have

459
00:19:49,980 --> 00:19:47,410
made significant contributions to the

460
00:19:54,240 --> 00:19:49,990
body of knowledge we spend a lot of time

461
00:19:56,490 --> 00:19:54,250
advocating for science and we also

462
00:19:59,550 --> 00:19:56,500
educate people about science at all

463
00:20:01,170 --> 00:19:59,560

levels and what is your role I am the

464

00:20:02,580 --> 00:20:01,180

director of communications and outreach

465

00:20:04,860 --> 00:20:02,590

here at the academy so I have

466

00:20:07,380 --> 00:20:04,870

responsibility for media publications

467

00:20:09,570 --> 00:20:07,390

events and fundraising now every year

468

00:20:11,850 --> 00:20:09,580

the Academy runs many events for

469

00:20:13,740 --> 00:20:11,860

National Science Week and I understand

470

00:20:15,810 --> 00:20:13,750

that you are involved in a very special

471

00:20:17,280 --> 00:20:15,820

event what is this event well this year

472

00:20:20,040 --> 00:20:17,290

we decided to do something a little bit

473

00:20:22,710 --> 00:20:20,050

different and in fact our our events now

474

00:20:24,810 --> 00:20:22,720

going to be mainly online we're running

475

00:20:28,440 --> 00:20:24,820

what we're calling the women of science

476

00:20:30,510 --> 00:20:28,450

Wikibon and this is because we noticed

477

00:20:33,120 --> 00:20:30,520

that there were many fewer women

478

00:20:35,490 --> 00:20:33,130

scientists represented on Wikipedia than

479

00:20:37,350 --> 00:20:35,500

there are men scientists represented on

480

00:20:39,300 --> 00:20:37,360

Wikipedia so we're setting out

481

00:20:40,680 --> 00:20:39,310

essentially to change that and to raise

482

00:20:43,380 --> 00:20:40,690

the profile of Australian women

483

00:20:45,690 --> 00:20:43,390

scientists on Wikipedia this is a really

484

00:20:48,180 --> 00:20:45,700

really excellent event why do you think

485

00:20:50,340 --> 00:20:48,190

this has happened the lack of women

486

00:20:51,780 --> 00:20:50,350

scientists on wikipedia we noticed it

487

00:20:54,570 --> 00:20:51,790

actually first when we started looking

488

00:20:56,580 --> 00:20:54,580

for our own female fellows on Wikipedia

489

00:20:58,560 --> 00:20:56,590

and we realized so that a significant

490

00:21:01,020 --> 00:20:58,570

proportion of them don't appear there at

491

00:21:03,720 --> 00:21:01,030

all or they appear there with less than

492

00:21:06,930 --> 00:21:03,730

100 words or so on their profiles so it

493

00:21:09,570 --> 00:21:06,940

really just stubs and I think that this

494

00:21:12,870 --> 00:21:09,580

has happened because well traditionally

495

00:21:14,730 --> 00:21:12,880

because there are more senior male

496

00:21:16,140 --> 00:21:14,740

scientists still then there are female

497

00:21:17,670 --> 00:21:16,150

scientists and that's a historical

498

00:21:21,360 --> 00:21:17,680

artifact which we are working very hard

499

00:21:23,340 --> 00:21:21,370

to change we don't have as much of a

500

00:21:24,549 --> 00:21:23,350

cultural understanding of the

501
00:21:26,440 --> 00:21:24,559
contribution of women

502
00:21:28,989 --> 00:21:26,450
science through the ages so we've all

503
00:21:32,440 --> 00:21:28,999
heard of you know Albert Einstein we've

504
00:21:35,889 --> 00:21:32,450
all heard of Newton and we've all heard

505
00:21:39,669 --> 00:21:35,899
of probably of Frank Fenner to sike naw

506
00:21:41,799 --> 00:21:39,679
straight an example but ask people to

507
00:21:46,239 --> 00:21:41,809
talk about women scientists and you

508
00:21:48,249 --> 00:21:46,249
might get a Marie Curie you might add an

509
00:21:50,710 --> 00:21:48,259
absolute push gettin Elizabeth Blackburn

510
00:21:53,529 --> 00:21:50,720
is our most recent Nobel laureate but

511
00:21:55,389 --> 00:21:53,539
their knowledge just isn't there is it

512
00:21:56,859 --> 00:21:55,399
possible for members of The Skeptical

513
00:21:59,649 --> 00:21:56,869

community to get involved with your

514

00:22:02,320 --> 00:21:59,659

event and if so how oh absolutely we

515

00:22:04,090 --> 00:22:02,330

would like anybody and everybody to get

516

00:22:06,340 --> 00:22:04,100

involved we're very welcoming to all

517

00:22:08,320 --> 00:22:06,350

comers so it's very easy to get involved

518

00:22:11,739 --> 00:22:08,330

you go to our website which is science

519

00:22:13,450 --> 00:22:11,749

or a you and they'll be a clear link to

520

00:22:16,690 --> 00:22:13,460

the women of science Wikipedia page and

521

00:22:19,210 --> 00:22:16,700

we ask you to register there we have the

522

00:22:21,700 --> 00:22:19,220

opportunity for 35 people to come and

523

00:22:23,369 --> 00:22:21,710

participate in the event in person at

524

00:22:25,419 --> 00:22:23,379

the shine dome here in Canberra and

525

00:22:26,950 --> 00:22:25,429

we'll have a bit of fun with that

526

00:22:28,869 --> 00:22:26,960

because we're going to invite some

527

00:22:31,180 --> 00:22:28,879

senior women Australian scientists to

528

00:22:32,799 --> 00:22:31,190

come in through the day and have a chat

529

00:22:34,869 --> 00:22:32,809

to participants there will also be doing

530

00:22:37,989 --> 00:22:34,879

tours through our archives and looking

531

00:22:40,749 --> 00:22:37,999

at some of our dusty relics if you don't

532

00:22:42,430 --> 00:22:40,759

happen to make it to that in-person

533

00:22:43,930 --> 00:22:42,440

event if you can't make it to that

534

00:22:46,509 --> 00:22:43,940

in-person event then you're very welcome

535

00:22:48,460 --> 00:22:46,519

to also participate online and again you

536

00:22:50,259 --> 00:22:48,470

can just sign up via our website and

537

00:22:53,289 --> 00:22:50,269

when is the event going to be launched

538

00:22:55,029 --> 00:22:53,299

so we're actually launching it next week

539

00:22:58,269 --> 00:22:55,039

but we're asking people to do the

540

00:23:00,159 --> 00:22:58,279

editing in a 24-hour period on the

541

00:23:01,600 --> 00:23:00,169

fourteenth of August that's just a few

542

00:23:03,789 --> 00:23:01,610

days before the beginning of National

543

00:23:06,129 --> 00:23:03,799

Science Week this year well thank you so

544

00:23:08,109 --> 00:23:06,139

much for this interview Kylie this is

545

00:23:10,869 --> 00:23:08,119

truly a worthy course and I wish you the

546

00:23:12,609 --> 00:23:10,879

best of success the details of this

547

00:23:14,499 --> 00:23:12,619

event will be listed on the skeptic zone

548

00:23:23,980 --> 00:23:14,509

website thank you very much gear time

549

00:23:29,960 --> 00:23:26,840

the skeptic magazine the journal from

550

00:23:32,180 --> 00:23:29,970

Australian skeptics subscribe online to

551
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from Australian skeptics five minutes

557
00:24:06,920 --> 00:24:04,320
teeruk lock we were talking about John

558
00:24:08,840 --> 00:24:06,930
Edwards um and peter fitzsimons scathing

559
00:24:12,470 --> 00:24:08,850
attack on him call him a fraud against

560
00:24:14,690 --> 00:24:12,480
Sunni and the thing is I think it was a

561
00:24:17,630 --> 00:24:14,700
very very famous skeptic called James

562
00:24:18,980 --> 00:24:17,640
Randi um and he's a man I have a lot of

563
00:24:20,780 --> 00:24:18,990

time for because he's a very polite

564

00:24:23,150 --> 00:24:20,790

blogger isn't it American he was a he

565

00:24:25,400 --> 00:24:23,160

was made famous many many years ago on

566

00:24:28,160 --> 00:24:25,410

the Don Lane show when he was trying to

567

00:24:30,440 --> 00:24:28,170

explain and by the way he was invited on

568

00:24:33,470 --> 00:24:30,450

to the Don Lane show I thought it was

569

00:24:35,660 --> 00:24:33,480

treated pretty badly by Don um he was

570

00:24:37,670 --> 00:24:35,670

invited onto the show because he there

571

00:24:40,010 --> 00:24:37,680

was a skip I've had me a psychic that

572

00:24:41,930 --> 00:24:40,020

used to be a regular on the Don line

573

00:24:43,460 --> 00:24:41,940

show called Doris Stokes she was a

574

00:24:45,140 --> 00:24:43,470

lovely old woman and but she used to

575

00:24:46,460 --> 00:24:45,150

claim that she picked up the vibes of

576

00:24:48,800 --> 00:24:46,470

dead people and could speak to dead

577

00:24:51,020 --> 00:24:48,810

people and then there was you regular

578

00:24:53,690 --> 00:24:51,030

who claimed to be able to bend spoons

579

00:24:55,460 --> 00:24:53,700

with just thought power and basically

580

00:24:57,350 --> 00:24:55,470

what James Randi was saying you saying

581

00:25:00,080 --> 00:24:57,360

look there was a way there was a way to

582

00:25:01,640 --> 00:25:00,090

do this without being psychic i can use

583

00:25:05,240 --> 00:25:01,650

science i can show you that it's it's an

584

00:25:08,360 --> 00:25:05,250

illusion and my Don Lane who was fond of

585

00:25:11,720 --> 00:25:08,370

Doris Stokes told him the piss off at

586

00:25:13,100 --> 00:25:11,730

whatever his words he smashed the glass

587

00:25:15,710 --> 00:25:13,110

of water that was on the coffee table

588

00:25:17,210 --> 00:25:15,720

there was quite a scene and in fact i

589

00:25:19,790 --> 00:25:17,220

think this i think you can see it on

590

00:25:23,570 --> 00:25:19,800

youtube Don Lane got a future Don lane

591

00:25:25,700 --> 00:25:23,580

James Randi but anyway I try and keep an

592

00:25:27,020 --> 00:25:25,710

open mind on most things but I find it

593

00:25:29,250 --> 00:25:27,030

very hard to believe that someone can

594

00:25:30,270 --> 00:25:29,260

talk to a dead person but I'm sure

595

00:25:32,250 --> 00:25:30,280

there are plenty of listeners who have

596

00:25:33,630 --> 00:25:32,260

got experiences where they believe it's

597

00:25:35,640 --> 00:25:33,640

actually happened but this john edwards

598

00:25:37,530 --> 00:25:35,650

and benefit simons he's been called the

599

00:25:40,850 --> 00:25:37,540

fraud by many many people and you've got

600

00:25:43,350 --> 00:25:40,860

to ask yourself why doesn't he sue I

601
00:25:45,900 --> 00:25:43,360
mean isn't that a defamatory thing to

602
00:25:47,760 --> 00:25:45,910
say calling some of your fraud and if we

603
00:25:50,460 --> 00:25:47,770
have departments of Fair Trading here in

604
00:25:52,950 --> 00:25:50,470
Australia if somebody has a product and

605
00:25:56,820 --> 00:25:52,960
they make a claim if somebody makes a

606
00:25:58,980 --> 00:25:56,830
claim and they take money and it can't

607
00:26:00,980 --> 00:25:58,990
be proven that it's that it's right or

608
00:26:04,320 --> 00:26:00,990
not or if the product is faulty

609
00:26:08,100 --> 00:26:04,330
Department of Fair Trading and Consumer

610
00:26:09,690 --> 00:26:08,110
Affairs step in and benefit silences why

611
00:26:11,190 --> 00:26:09,700
haven't they with this John Edwards

612
00:26:13,590 --> 00:26:11,200
who's coming to Australia November

613
00:26:15,930 --> 00:26:13,600

Richard Saunders is with the Australian

614

00:26:18,660 --> 00:26:15,940

skeptics organization he's at a skeptics

615

00:26:20,820 --> 00:26:18,670

conference in San Francisco believe it

616

00:26:21,960 --> 00:26:20,830

or not and he was listening to us while

617

00:26:24,120 --> 00:26:21,970

he was having his breakfast it's nine

618

00:26:26,220 --> 00:26:24,130

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

619

00:26:28,680 --> 00:26:26,230

a ring and I'm glad he has Richard

620

00:26:31,200 --> 00:26:28,690

Saunders good morning and welcome to new

621

00:26:33,600 --> 00:26:31,210

day australia good morning from San

622

00:26:35,730 --> 00:26:33,610

Francisco that's right oh of course I

623

00:26:37,050 --> 00:26:35,740

tuna Julie my work no matter where I am

624

00:26:39,960 --> 00:26:37,060

in the world yeah I just wish you had a

625

00:26:44,220 --> 00:26:39,970

survey book then oh well there you go

626

00:26:45,840 --> 00:26:44,230

there you go ok Richard I want to give

627

00:26:48,900 --> 00:26:45,850

you the time you deserve here I gotta

628

00:26:50,940 --> 00:26:48,910

say that I am a bit like you I god I

629

00:26:52,800 --> 00:26:50,950

don't believe in what I can't see them

630

00:26:56,040 --> 00:26:52,810

what I can't touch and there are plenty

631

00:26:57,480 --> 00:26:56,050

of magicians out there and being people

632

00:27:00,840 --> 00:26:57,490

claiming to be able to talk to people

633

00:27:02,640 --> 00:27:00,850

who have passed away as been around for

634

00:27:05,430 --> 00:27:02,650

thousands of years you know gypsies with

635

00:27:07,350 --> 00:27:05,440

crystal balls etc etc but this John

636

00:27:10,020 --> 00:27:07,360

Edwards takes a lot of money from people

637

00:27:11,390 --> 00:27:10,030

and benefits Simon's in I don't know did

638

00:27:13,920 --> 00:27:11,400

you see his column last Sunday I

639

00:27:17,550 --> 00:27:13,930

certainly did it was quote mm it was

640

00:27:19,530 --> 00:27:17,560

quite striking now we normally wouldn't

641

00:27:24,330 --> 00:27:19,540

go so far as to run around calling

642

00:27:27,090 --> 00:27:24,340

people Ford's because one it in a way it

643

00:27:30,060 --> 00:27:27,100

sort of gives them more oxygen and the

644

00:27:33,090 --> 00:27:30,070

reason he John Edward doesn't run around

645

00:27:34,980 --> 00:27:33,100

suings people like peter fitzsimons it's

646

00:27:37,290 --> 00:27:34,990

open why would he happen there's no

647

00:27:40,200 --> 00:27:37,300

point john edward has a very large and

648

00:27:42,630 --> 00:27:40,210

loyal band of followers believers out

649

00:27:44,400 --> 00:27:42,640

there and the damage

650

00:27:47,550 --> 00:27:44,410

p the fixins could do the John Edwards

651
00:27:50,040 --> 00:27:47,560
hardly comes up on the radar in fact it

652
00:27:52,590 --> 00:27:50,050
feeds the believers to see I'll look and

653
00:27:54,240 --> 00:27:52,600
now this horrible man's saying these

654
00:27:56,420 --> 00:27:54,250
terrible things about our beloved John

655
00:27:59,310 --> 00:27:56,430
it would I'm going to see him even more

656
00:28:00,930 --> 00:27:59,320
it's an interesting from a psychological

657
00:28:03,450 --> 00:28:00,940
point of view it's it's an interesting

658
00:28:06,600 --> 00:28:03,460
sort of self recall and self-sealing

659
00:28:08,340 --> 00:28:06,610
related some if an adventure in

660
00:28:09,840 --> 00:28:08,350
psychology when you look at these people

661
00:28:13,140 --> 00:28:09,850
who claim to talk with it did and their

662
00:28:14,880 --> 00:28:13,150
followers I think um yeah I am I don't

663
00:28:17,520 --> 00:28:14,890

believe in and I've seen John Edward is

664

00:28:20,130 --> 00:28:17,530

it a little red woods it's Edward his

665

00:28:21,810 --> 00:28:20,140

name is John Edward McGee I guess

666

00:28:23,430 --> 00:28:21,820

dropped off he just dropped off McGee

667

00:28:26,130 --> 00:28:23,440

that's fine you can do he could be can

668

00:28:27,720 --> 00:28:26,140

call himself from whatever he like well

669

00:28:30,450 --> 00:28:27,730

I guess I guess somebody I guess

670

00:28:31,740 --> 00:28:30,460

somebody packing stadiums taking money

671

00:28:33,720 --> 00:28:31,750

and claiming to talk to the dead and

672

00:28:36,660 --> 00:28:33,730

calling themselves Mecca doesn't really

673

00:28:39,840 --> 00:28:36,670

have the same impetus doesn't well you

674

00:28:41,730 --> 00:28:39,850

know what it wouldn't matter if people

675

00:28:43,950 --> 00:28:41,740

weren't people believe in this sort of

676

00:28:45,780 --> 00:28:43,960

thing we haven't there's an old joke

677

00:28:47,190 --> 00:28:45,790

saying once people believe in the sort

678

00:28:49,770 --> 00:28:47,200

of thing then the psychic can stand up

679

00:28:51,480 --> 00:28:49,780

on me on the stage and just read letters

680

00:28:56,880 --> 00:28:51,490

in the alphabet which is what a lot of

681

00:28:58,560 --> 00:28:56,890

them do strangely enough i've seen many

682

00:29:01,470 --> 00:28:58,570

of these state shows over the years and

683

00:29:03,780 --> 00:29:01,480

have been universally core but to the

684

00:29:05,400 --> 00:29:03,790

believer they read everything into it

685

00:29:06,690 --> 00:29:05,410

they possibly can and their mind will

686

00:29:08,700 --> 00:29:06,700

make lots of connections and they'll

687

00:29:10,710 --> 00:29:08,710

come away and it's interesting you're

688

00:29:13,740 --> 00:29:10,720

talking about the removing deliver

689

00:29:16,350 --> 00:29:13,750

faithful drugs demanding man that was

690

00:29:19,470 --> 00:29:16,360

based on a book written by james randi

691

00:29:22,440 --> 00:29:19,480

called the faith healers oh really yeah

692

00:29:24,390 --> 00:29:22,450

it's an incredible book and goes into

693

00:29:25,800 --> 00:29:24,400

all the faith healers at james randi

694

00:29:29,670 --> 00:29:25,810

exposed over the years and they're

695

00:29:31,590 --> 00:29:29,680

terrible dirty dirty horrible tricks to

696

00:29:34,380 --> 00:29:31,600

calm people out of their money steve

697

00:29:36,990 --> 00:29:34,390

martin read that book and sort of based

698

00:29:40,590 --> 00:29:37,000

a movie around it ah yes but in the

699

00:29:42,210 --> 00:29:40,600

movie it does rain yeah and you're left

700

00:29:43,530 --> 00:29:42,220

wondering yeah you have any yeah when he

701
00:29:47,100 --> 00:29:43,540
did you know what he disappears he gets

702
00:29:51,990 --> 00:29:47,110
to lift in the truck Hollywood porous it

703
00:29:54,500 --> 00:29:52,000
didn't rain it did right um I after

704
00:29:56,430 --> 00:29:54,510
talking about John Edward last week

705
00:29:58,350 --> 00:29:56,440
because he was doing the round

706
00:30:03,030 --> 00:29:58,360
of all the radio stations and he came to

707
00:30:04,410 --> 00:30:03,040
this one and you know I suppose there's

708
00:30:06,270 --> 00:30:04,420
a lot of interest out there so he makes

709
00:30:09,090 --> 00:30:06,280
an interesting radio interview and I

710
00:30:11,850 --> 00:30:09,100
voiced my skepticism on the radio and a

711
00:30:13,620 --> 00:30:11,860
colleague of mine on Canberra's to CC

712
00:30:15,900 --> 00:30:13,630
rang me and he said may I we were

713
00:30:17,820 --> 00:30:15,910

listening in to you and he said would

714

00:30:19,680 --> 00:30:17,830

you like to meet a psychic that I know

715

00:30:21,120 --> 00:30:19,690

of that either who I am convinced his

716

00:30:23,070 --> 00:30:21,130

fair dinkum and the bloke who spoke to

717

00:30:24,750 --> 00:30:23,080

me is a skeptic as well well I had a

718

00:30:27,590 --> 00:30:24,760

phone conversation with this lady and

719

00:30:30,570 --> 00:30:27,600

I've got to be honest with you Richard I

720

00:30:33,810 --> 00:30:30,580

kept my cards very very close to my

721

00:30:35,460 --> 00:30:33,820

chest she knew from the out from the

722

00:30:37,440 --> 00:30:35,470

onset of our phone conversation I was

723

00:30:39,570 --> 00:30:37,450

skeptical but she said a couple of

724

00:30:42,030 --> 00:30:39,580

things that no one would have known and

725

00:30:44,520 --> 00:30:42,040

she was right on the money it was it was

726

00:30:47,760 --> 00:30:44,530

quite spooky did you happen to record it

727

00:30:50,820 --> 00:30:47,770

no I wish I had ah I wish you did too

728

00:30:52,710 --> 00:30:50,830

because and this is no please don't take

729

00:30:55,830 --> 00:30:52,720

this the wrong way this applies

730

00:30:58,740 --> 00:30:55,840

universally to just about every human I

731

00:31:01,650 --> 00:30:58,750

have ever met people cannot properly

732

00:31:04,440 --> 00:31:01,660

remember a psychic reading they'll come

733

00:31:06,690 --> 00:31:04,450

away and their memory will be embellish

734

00:31:09,120 --> 00:31:06,700

it will be altered every time you call

735

00:31:12,690 --> 00:31:09,130

our the one thing that she said I

736

00:31:15,720 --> 00:31:12,700

remember like as if I had recorded it

737

00:31:17,340 --> 00:31:15,730

when my father passed away sixteen year

738

00:31:19,620 --> 00:31:17,350

I hadn't told anyone this when he passed

739

00:31:21,830 --> 00:31:19,630

away 16 years ago there were three

740

00:31:24,720 --> 00:31:21,840

speakers delivering eulogies I was one

741

00:31:27,090 --> 00:31:24,730

dad's oldest and dearest friend that him

742

00:31:28,860 --> 00:31:27,100

that he knew from the Army 1945 was

743

00:31:30,990 --> 00:31:28,870

another one and there's a young boy from

744

00:31:34,680 --> 00:31:31,000

dad's office that had that had mentored

745

00:31:37,410 --> 00:31:34,690

me my mother unbeknownst to me or anyone

746

00:31:39,330 --> 00:31:37,420

she went to the young boy who delivered

747

00:31:41,250 --> 00:31:39,340

the third eulogy and said look I've got

748

00:31:44,370 --> 00:31:41,260

Brian's watch here I thought you might

749

00:31:46,860 --> 00:31:44,380

like it and he rang me many years later

750

00:31:49,260 --> 00:31:46,870

it was about four years later he rang me

751
00:31:50,340 --> 00:31:49,270
at mark was his name and he said look

752
00:31:51,840 --> 00:31:50,350
Luke I don't know well you know this

753
00:31:53,400 --> 00:31:51,850
your mum gave me your dad's watch I said

754
00:31:55,380 --> 00:31:53,410
no I had no idea and he said look I feel

755
00:31:57,240 --> 00:31:55,390
guilty having it because it means not it

756
00:31:58,650 --> 00:31:57,250
mate doesn't mean anything to me it may

757
00:32:01,380 --> 00:31:58,660
mean something to you and I said well I

758
00:32:03,540 --> 00:32:01,390
remember it very very well and he used

759
00:32:05,610 --> 00:32:03,550
to keep it in a little cast-iron dish in

760
00:32:07,140 --> 00:32:05,620
the shape of a fish he used to keep his

761
00:32:09,330 --> 00:32:07,150
change and he's watched it was next to

762
00:32:10,259 --> 00:32:09,340
his bedside table I have that ditch and

763
00:32:12,539 --> 00:32:10,269

I keep my change

764

00:32:15,029 --> 00:32:12,549

that dish but he said look I feel guilty

765

00:32:17,070 --> 00:32:15,039

about having this watch he said I'd like

766

00:32:18,299 --> 00:32:17,080

to give it back to you because it means

767

00:32:19,529 --> 00:32:18,309

nothing to match I think it should be

768

00:32:21,269 --> 00:32:19,539

with you and I said thank you Mac that's

769

00:32:23,009 --> 00:32:21,279

very very good well we never caught up

770

00:32:25,169 --> 00:32:23,019

he never delivered it and that was about

771

00:32:27,930 --> 00:32:25,179

four years ago but I hadn't told anyone

772

00:32:30,239 --> 00:32:27,940

that story Richard hmm the last thing

773

00:32:33,839 --> 00:32:30,249

the last thing this this lady said to me

774

00:32:35,789 --> 00:32:33,849

she said I'll look before you go I don't

775

00:32:37,379 --> 00:32:35,799

know if this means anything to you but

776

00:32:41,940 --> 00:32:37,389

your father wants you to have that watch

777

00:32:45,509 --> 00:32:41,950

ah alright so that that's probably that

778

00:32:49,109 --> 00:32:45,519

was pretty good that was well that was

779

00:32:53,699 --> 00:32:49,119

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

780

00:32:55,739 --> 00:32:53,709

the watch now if you didn't happen then

781

00:32:58,529 --> 00:32:55,749

you wouldn't even remember she said that

782

00:33:02,219 --> 00:32:58,539

she said something that happened to hit

783

00:33:04,680 --> 00:33:02,229

home now if she says that every other

784

00:33:06,869 --> 00:33:04,690

time she talks to somebody every now and

785

00:33:09,180 --> 00:33:06,879

then she's going to get an amazing thing

786

00:33:10,589 --> 00:33:09,190

with somebody a family story with a

787

00:33:12,299 --> 00:33:10,599

watch but the important thing to

788

00:33:14,159 --> 00:33:12,309

remember is she didn't tell you the

789

00:33:18,289 --> 00:33:14,169

story you just told me in the listeners

790

00:33:22,079 --> 00:33:18,299

she simply mentioned the watch and you

791

00:33:23,999 --> 00:33:22,089

put all the rest of the the backstory on

792

00:33:26,449 --> 00:33:24,009

to it and made it his home personally

793

00:33:29,519 --> 00:33:26,459

you can see how I was impressed

794

00:33:31,560 --> 00:33:29,529

absolutely but it might if something

795

00:33:33,239 --> 00:33:31,570

simply happen to me too i would have

796

00:33:36,989 --> 00:33:33,249

been interesting for me to hear that too

797

00:33:39,779 --> 00:33:36,999

but remember if you didn't have a watch

798

00:33:42,029 --> 00:33:39,789

story and she said oh I need to mention

799

00:33:43,560 --> 00:33:42,039

to watch you might have thought and I

800

00:33:45,060 --> 00:33:43,570

can't think of a work story and then you

801
00:33:48,060 --> 00:33:45,070
probably wouldn't even remember she said

802
00:33:49,979 --> 00:33:48,070
that later on oh it but it was the big

803
00:33:51,539 --> 00:33:49,989
ending she said look before you go last

804
00:33:55,169 --> 00:33:51,549
thing I've got to tell you this like it

805
00:33:57,269 --> 00:33:55,179
was it was like yeah and I know and I

806
00:33:58,440 --> 00:33:57,279
know how our powerful could be she could

807
00:33:59,909 --> 00:33:58,450
have mentioned that earlier on has

808
00:34:02,599 --> 00:33:59,919
happened to be at the end but well

809
00:34:06,259 --> 00:34:02,609
that's interesting it was her punch line

810
00:34:08,159 --> 00:34:06,269
well here's the thing I sincerely I

811
00:34:10,649 --> 00:34:08,169
obviously being the president of a

812
00:34:13,260 --> 00:34:10,659
science sceptics I sincerely doubt this

813
00:34:15,839 --> 00:34:13,270

woman has a magical connection with dead

814

00:34:17,399 --> 00:34:15,849

people dead people are dead they don't

815

00:34:18,539 --> 00:34:17,409

tend to say very much but there is a

816

00:34:20,339 --> 00:34:18,549

spirit but a lot of people believe

817

00:34:22,799 --> 00:34:20,349

there's a spirit this is richard can you

818

00:34:24,210 --> 00:34:22,809

hang on yeah because you know how

819

00:34:26,879 --> 00:34:24,220

commercial radio works

820

00:34:28,409 --> 00:34:26,889

whoo I'm gonna pay some bills can we

821

00:34:29,970 --> 00:34:28,419

talk on the other side this break we can

822

00:34:31,589 --> 00:34:29,980

stay right Richard Saunders has phoned

823

00:34:33,930 --> 00:34:31,599

me from San Francisco he's listening

824

00:34:35,970 --> 00:34:33,940

online he's with the Australian skeptics

825

00:34:37,680 --> 00:34:35,980

Association and we'll come back and talk

826

00:34:40,230 --> 00:34:37,690

your your thoughts are welcome give us a

827

00:34:42,270 --> 00:34:40,240

call 13 13 32 is the telephone number

828

00:34:44,310 --> 00:34:42,280

maybe you've got a story that Richard

829

00:34:46,349 --> 00:34:44,320

can explain I don't know how much time

830

00:34:49,680 --> 00:34:46,359

he's got what times you what time's your

831

00:34:51,510 --> 00:34:49,690

conference start oh it's about a week

832

00:34:53,520 --> 00:34:51,520

away actually you're just over the edge

833

00:34:55,800 --> 00:34:53,530

of your over there doing a reccy are you

834

00:34:57,570 --> 00:34:55,810

undoing a record getting over jet lag

835

00:35:00,150 --> 00:34:57,580

and actually the conference is run by

836

00:35:01,710 --> 00:35:00,160

James Randi and it's in Las Vegas next

837

00:35:03,450 --> 00:35:01,720

week all right okay hang all your stay

838

00:35:05,609 --> 00:35:03,460

there let me do let me get rid of some

839

00:35:08,339 --> 00:35:05,619

commitments and then we'll come back 13

840

00:35:10,470 --> 00:35:08,349

13 32 if you'd like to be part of this

841

00:35:13,080 --> 00:35:10,480

conversation in 1332 Richard Saunders

842

00:35:14,730 --> 00:35:13,090

from Australian skeptics aspho me all

843

00:35:16,380 --> 00:35:14,740

the way from San Francisco listening to

844

00:35:19,500 --> 00:35:16,390

the program nice to know that someone's

845

00:35:21,060 --> 00:35:19,510

listening Richard oh I'm sure I must be

846

00:35:23,430 --> 00:35:21,070

one of countless thousands hey listen

847

00:35:27,210 --> 00:35:23,440

Richard I'm the board starting to go off

848

00:35:29,849 --> 00:35:27,220

you I'm happy to wait till after the

849

00:35:31,620 --> 00:35:29,859

news and take some calls I can do my

850

00:35:33,930 --> 00:35:31,630

best i can do my best to answer

851

00:35:35,910 --> 00:35:33,940

questions it's bear in mind it's hard

852

00:35:37,770 --> 00:35:35,920

for me it's almost impossible for me to

853

00:35:39,810 --> 00:35:37,780

hear a story about someone will say are

854

00:35:41,910 --> 00:35:39,820

they saw the UFO or their psychic

855

00:35:43,890 --> 00:35:41,920

problem is that and and really comment

856

00:35:45,900 --> 00:35:43,900

though because i wasn't there yeah i

857

00:35:48,930 --> 00:35:45,910

know but you can but like james randi

858

00:35:50,460 --> 00:35:48,940

maybe you can explain how did you see

859

00:35:52,800 --> 00:35:50,470

that classic piece of television when

860

00:35:55,170 --> 00:35:52,810

James Randi was on Don Lane talking

861

00:35:57,240 --> 00:35:55,180

about Doris Stokes I saw it live and

862

00:35:59,760 --> 00:35:57,250

I've seen it many many many I saw it

863

00:36:01,530 --> 00:35:59,770

live too yeah I when I'm at the

864

00:36:03,599 --> 00:36:01,540

conference next week of james randi i'll

865

00:36:06,030 --> 00:36:03,609

be playing that for the audience that

866

00:36:08,310 --> 00:36:06,040

clip it so famous it was another such

867

00:36:11,670 --> 00:36:08,320

poor form of dawn because he invited him

868

00:36:14,430 --> 00:36:11,680

on yeah and james randi loves her till

869

00:36:18,270 --> 00:36:14,440

the back story behind that Jo we're done

870

00:36:21,060 --> 00:36:18,280

mine tried to trick Brandi did you know

871

00:36:22,620 --> 00:36:21,070

to catch him out and Don wasn't very

872

00:36:24,450 --> 00:36:22,630

happy with Randy at all in that

873

00:36:27,089 --> 00:36:24,460

situation you know what head is how did

874

00:36:28,890 --> 00:36:27,099

he try and trick him out well he invited

875

00:36:31,470 --> 00:36:28,900

here on this is according to james randi

876

00:36:33,990 --> 00:36:31,480

of course he'd done in by the journey on

877

00:36:37,230 --> 00:36:34,000

the show to talk about these matters and

878

00:36:38,190 --> 00:36:37,240

now James Randi like like I do I I love

879

00:36:40,410 --> 00:36:38,200

to bend spoons

880

00:36:41,970 --> 00:36:40,420

a great trick in fact I've been a spoon

881

00:36:44,579 --> 00:36:41,980

to you many years ago on a radio station

882

00:36:46,620 --> 00:36:44,589

I seem to remember you came in that's

883

00:36:47,910 --> 00:36:46,630

what we're worried another radio station

884

00:36:50,250 --> 00:36:47,920

just right here came in you bend a spoon

885

00:36:54,030 --> 00:36:50,260

right in front of me that's right and

886

00:36:56,010 --> 00:36:54,040

and you know it that looks like I could

887

00:36:57,569 --> 00:36:56,020

have said to you if I came in as Richard

888

00:36:58,950 --> 00:36:57,579

Saunders the great psychic can bend the

889

00:37:00,720 --> 00:36:58,960

spoon you might have walking been

890

00:37:02,160 --> 00:37:00,730

running away scratching your head but I

891

00:37:03,210 --> 00:37:02,170

made it clear to you was a trick I

892

00:37:06,480 --> 00:37:03,220

didn't tell you how the trick was done

893

00:37:08,579 --> 00:37:06,490

anyway they gone lines had come on the

894

00:37:09,839 --> 00:37:08,589

show James Randi and been some spoons

895

00:37:11,250 --> 00:37:09,849

did this and randy said look I don't

896

00:37:13,620 --> 00:37:11,260

want to do that magic I'd rather just

897

00:37:15,329 --> 00:37:13,630

talk about this thing and when as soon

898

00:37:18,210 --> 00:37:15,339

as Randy got on the show there with the

899

00:37:21,089 --> 00:37:18,220

spoon so darlin was trying to put Randy

900

00:37:23,490 --> 00:37:21,099

on the spot in that situation yeah all

901
00:37:26,520 --> 00:37:23,500
right look I'm gonna I like to have an

902
00:37:28,470 --> 00:37:26,530
open mind I never say never I mean here

903
00:37:29,819 --> 00:37:28,480
we are it's four minutes to three

904
00:37:31,500 --> 00:37:29,829
o'clock all around Australia we're

905
00:37:33,960 --> 00:37:31,510
broadcasting to a we're probably going

906
00:37:38,339 --> 00:37:33,970
to get a few funny calls but I mean you

907
00:37:40,829 --> 00:37:38,349
know can somebody speak to dead people

908
00:37:45,089 --> 00:37:40,839
is there a spirit world that you can tap

909
00:37:47,940 --> 00:37:45,099
into and and you say Richard that know

910
00:37:49,079 --> 00:37:47,950
that it's a saying definitely not or it

911
00:37:51,569 --> 00:37:49,089
hasn't been proven to your satisfaction

912
00:37:55,589 --> 00:37:51,579
Oh haven't been proven by satisfaction I

913
00:37:57,809 --> 00:37:55,599

would probably say most absolutely most

914

00:37:59,370 --> 00:37:57,819

certainly probably not I can't feel

915

00:38:00,630 --> 00:37:59,380

recently really believe all right well

916

00:38:02,520 --> 00:38:00,640

if you've got a story you'd like to

917

00:38:04,290 --> 00:38:02,530

convince Richard or maybe he can explain

918

00:38:06,599 --> 00:38:04,300

how it was done give us a call now

919

00:38:08,099 --> 00:38:06,609

thirteen thirteen thirty-two Richard

920

00:38:09,930 --> 00:38:08,109

Saunders from Australian skeptics as

921

00:38:11,790 --> 00:38:09,940

foamy all the way from San Francisco we

922

00:38:14,460 --> 00:38:11,800

will take a break news is next and we'll

923

00:38:16,680 --> 00:38:14,470

come back with your calls last hour we

924

00:38:20,220 --> 00:38:16,690

were talking about the scathing article

925

00:38:21,990 --> 00:38:20,230

that Fairfax journalists columnist Peter

926

00:38:25,170 --> 00:38:22,000

fit Simon's filed in his Sunday paper

927

00:38:26,550 --> 00:38:25,180

talking about John Edward who is coming

928

00:38:28,079 --> 00:38:26,560

to australia in November and he's done

929

00:38:32,790 --> 00:38:28,089

the promotional tour and he's spoken on

930

00:38:35,430 --> 00:38:32,800

this radio station I know um and you

931

00:38:36,839 --> 00:38:35,440

know he just if you watch his crossing

932

00:38:38,700 --> 00:38:36,849

over program doesn't know what he has to

933

00:38:40,950 --> 00:38:38,710

say when you either believe

934

00:38:43,140 --> 00:38:40,960

wholeheartedly that he can talk to dead

935

00:38:44,490 --> 00:38:43,150

people and can tune into one of your

936

00:38:46,440 --> 00:38:44,500

dead relatives and tell you how they're

937

00:38:47,790 --> 00:38:46,450

going as Pete if it's simon says you

938

00:38:50,440 --> 00:38:47,800

know he says that he can talk to dead

939

00:38:53,500 --> 00:38:50,450

people and and

940

00:38:55,569 --> 00:38:53,510

um he can give you the lowdown on how

941

00:38:58,839 --> 00:38:55,579

your dead ones are doing and invariably

942

00:39:02,380 --> 00:38:58,849

they're doing pretty well listening to

943

00:39:04,300 --> 00:39:02,390

my conversation my editorial all the way

944

00:39:06,370 --> 00:39:04,310

from San Francisco's Richard Saunders

945

00:39:08,349 --> 00:39:06,380

who was with the Australian skeptics and

946

00:39:09,370 --> 00:39:08,359

he's that phone through to the program

947

00:39:11,800 --> 00:39:09,380

and been good enough to give us some

948

00:39:14,589 --> 00:39:11,810

time this morning Richard welcome back

949

00:39:16,480 --> 00:39:14,599

along it's good he's there welcome back

950

00:39:18,490 --> 00:39:16,490

thanks for waiting on and you said that

951
00:39:20,140 --> 00:39:18,500
you were happy to to take a couple of

952
00:39:22,390 --> 00:39:20,150
calls and try and explain how these

953
00:39:25,540 --> 00:39:22,400
people do these things now we mentioned

954
00:39:29,310 --> 00:39:25,550
that movie leap of faith yeah now in

955
00:39:31,990 --> 00:39:29,320
that movie Steve Martin plays a preacher

956
00:39:34,599 --> 00:39:32,000
we just got a Pentecostal preacher what

957
00:39:36,790 --> 00:39:34,609
would you call him Oh an evangelistic

958
00:39:41,890 --> 00:39:36,800
yeah it's sort of evangelistic

959
00:39:43,690 --> 00:39:41,900
charismatic so so time still impose song

960
00:39:45,730 --> 00:39:43,700
and dance giving people's emotions

961
00:39:48,730 --> 00:39:45,740
whipped up giving them carried away

962
00:39:51,130 --> 00:39:48,740
little bit of hysteria um yeah something

963
00:39:53,170 --> 00:39:51,140

I got ya yeah and he visits small towns

964

00:39:55,390 --> 00:39:53,180

towns of the struggling takes money of

965

00:39:59,710 --> 00:39:55,400

people and he claims he can cure them

966

00:40:01,390 --> 00:39:59,720

make them walk yeah you know that do all

967

00:40:04,329 --> 00:40:01,400

that sort of thing and basically it's a

968

00:40:06,849 --> 00:40:04,339

show and we see that because he has a

969

00:40:09,849 --> 00:40:06,859

team of staff going into the audience

970

00:40:13,750 --> 00:40:09,859

and they already know a lot about the

971

00:40:15,430 --> 00:40:13,760

the the so-called victims here he has an

972

00:40:17,770 --> 00:40:15,440

earpiece he has somebody in a van with

973

00:40:20,980 --> 00:40:17,780

the within a sound van talking to him

974

00:40:24,160 --> 00:40:20,990

and that sort of thing really happens it

975

00:40:26,710 --> 00:40:24,170

really happens well I'll say that it

976
00:40:31,050 --> 00:40:26,720
really happened those stories were based

977
00:40:32,890 --> 00:40:31,060
on real events at james randi exposed I

978
00:40:34,990 --> 00:40:32,900
dealers have learned something from

979
00:40:36,670 --> 00:40:35,000
James Randi over the years and they've

980
00:40:39,339 --> 00:40:36,680
learned but they don't have to do so

981
00:40:40,960 --> 00:40:39,349
much rely on tricks in order to convince

982
00:40:43,240 --> 00:40:40,970
people that they're really in contact

983
00:40:45,550 --> 00:40:43,250
with supernatural forces or the healing

984
00:40:47,920 --> 00:40:45,560
them they've discovered that people will

985
00:40:49,750 --> 00:40:47,930
simply believe that anyway and they

986
00:40:52,630 --> 00:40:49,760
don't have to rely on so many tricks

987
00:40:54,510 --> 00:40:52,640
people can just roll up I mean a lot of

988
00:40:59,260 --> 00:40:54,520

people have got very good hearts and a

989

00:41:01,390 --> 00:40:59,270

very entrusting in their religion and

990

00:41:03,040 --> 00:41:01,400

they'll turn up believing with their you

991

00:41:03,880 --> 00:41:03,050

know communicating with their there

992

00:41:05,620 --> 00:41:03,890

certain God

993

00:41:09,099 --> 00:41:05,630

whatever it may be and these are nice

994

00:41:10,599 --> 00:41:09,109

decent people uh and the people who take

995

00:41:12,460 --> 00:41:10,609

advantage of people like that have a

996

00:41:14,710 --> 00:41:12,470

different moral compass to you and I

997

00:41:17,319 --> 00:41:14,720

they really do and a really good point

998

00:41:19,029 --> 00:41:17,329

in the movie is when the sheriff who it

999

00:41:20,529 --> 00:41:19,039

really doesn't want this bloke in town

1000

00:41:22,059 --> 00:41:20,539

because he's concerned genuinely

1001
00:41:23,710 --> 00:41:22,069
concerned for the welfare of the town's

1002
00:41:25,870 --> 00:41:23,720
folk who were doing a tough in the

1003
00:41:28,299 --> 00:41:25,880
middle of a drought and he gets the dirt

1004
00:41:30,579 --> 00:41:28,309
on Steve Martin's character and he

1005
00:41:33,009 --> 00:41:30,589
interrupts the service and he reads out

1006
00:41:35,589 --> 00:41:33,019
his his you know his rap sheet yeah

1007
00:41:36,940 --> 00:41:35,599
grand or a Grand Theft Auto at an early

1008
00:41:38,769 --> 00:41:36,950
age and it just goes on and on and on

1009
00:41:41,049 --> 00:41:38,779
and on and Steve Martin turns around

1010
00:41:44,500 --> 00:41:41,059
says yeah that's true I was a sinner and

1011
00:41:46,420 --> 00:41:44,510
now I have seen the way you know and the

1012
00:41:49,480 --> 00:41:46,430
head and the crew and the crown London

1013
00:41:51,519 --> 00:41:49,490

yeah yeah but its hands of these people

1014

00:41:53,410 --> 00:41:51,529

that put a foot wrong and you wouldn't

1015

00:41:55,960 --> 00:41:53,420

believe it the guy that rarely exposed

1016

00:41:58,240 --> 00:41:55,970

many years ago his name was peter Popoff

1017

00:42:00,640 --> 00:41:58,250

he had the earpiece he was getting

1018

00:42:04,839 --> 00:42:00,650

information from his wife backstage via

1019

00:42:06,670 --> 00:42:04,849

the radio transmissions ah Randy put him

1020

00:42:08,589 --> 00:42:06,680

out of business effectively only for a

1021

00:42:11,109 --> 00:42:08,599

while peter Popoff is back and still

1022

00:42:13,480 --> 00:42:11,119

making millions of dollars it's it's

1023

00:42:15,339 --> 00:42:13,490

frustrating but it's ugly people just

1024

00:42:16,690 --> 00:42:15,349

keep on believing it is it is

1025

00:42:19,089 --> 00:42:16,700

unbelievable some people are gullible

1026

00:42:21,160 --> 00:42:19,099

but some people believe and I don't know

1027

00:42:22,720 --> 00:42:21,170

who am I to take there who are we to

1028

00:42:25,390 --> 00:42:22,730

take their dreams away Richard Saunders

1029

00:42:28,690 --> 00:42:25,400

is with me andrew is online and ruin a

1030

00:42:30,370 --> 00:42:28,700

good evening how are you I'm good Andrew

1031

00:42:32,380 --> 00:42:30,380

all good morning actually a good morning

1032

00:42:34,920 --> 00:42:32,390

you wanted to talk to Richard yeah i

1033

00:42:38,499 --> 00:42:34,930

just wanted to state the obvious the

1034

00:42:42,099 --> 00:42:38,509

psychics know everything what are their

1035

00:42:43,900 --> 00:42:42,109

advertising have web tychon edwards it's

1036

00:42:49,120 --> 00:42:43,910

in the paper surely they've already

1037

00:42:50,680 --> 00:42:49,130

looked out the letter numbers that is

1038

00:42:53,200 --> 00:42:50,690

they don't they know the winner at

1039

00:42:55,359 --> 00:42:53,210

Moonee Valley yeah unless all the

1040

00:42:58,569 --> 00:42:55,369

Melbourne Cup I could kill you right now

1041

00:43:02,019 --> 00:42:58,579

he's gonna win it yeah it's gonna be a

1042

00:43:04,240 --> 00:43:02,029

big brown horse oh wow you're good I'm

1043

00:43:07,299 --> 00:43:04,250

very and very good man drew you're on

1044

00:43:08,920 --> 00:43:07,309

fire Andrew Andrew let me give you the

1045

00:43:10,480 --> 00:43:08,930

answer that they always give me when I

1046

00:43:12,819 --> 00:43:10,490

put the similar question to them they'll

1047

00:43:15,670 --> 00:43:12,829

say you don't understand it doesn't work

1048

00:43:17,870 --> 00:43:15,680

like that and that's all they need say

1049

00:43:21,470 --> 00:43:17,880

it's all they need say inside

1050

00:43:22,760 --> 00:43:21,480

beginner jail free card for them of

1051

00:43:25,450 --> 00:43:22,770

course they don't come up with a lotto

1052

00:43:27,770 --> 00:43:25,460

numbers of these they should shouldn't

1053

00:43:30,140 --> 00:43:27,780

well not just a lot of numbers i mean

1054

00:43:32,770 --> 00:43:30,150

everything if you are psychic as I my

1055

00:43:35,810 --> 00:43:32,780

first question would be is where's mh370

1056

00:43:37,370 --> 00:43:35,820

it's a good good point absolutely good

1057

00:43:39,140 --> 00:43:37,380

point and there's a lot of psychic well

1058

00:43:40,940 --> 00:43:39,150

so-called psychics out there posting on

1059

00:43:42,320 --> 00:43:40,950

website saying I we think it's here we

1060

00:43:45,380 --> 00:43:42,330

think it's there we think it's they

1061

00:43:48,410 --> 00:43:45,390

don't know Jim from Kansas online can I

1062

00:43:53,840 --> 00:43:48,420

gym good morning I oh well I'm good how

1063

00:43:55,910 --> 00:43:53,850

are you Richard hello can you hear me

1064

00:43:57,890 --> 00:43:55,920

right yeah I can hear you loud and clear

1065

00:43:59,870 --> 00:43:57,900

all the way from San Francisco good

1066

00:44:01,790 --> 00:43:59,880

person Richard I want to talk to you

1067

00:44:03,890 --> 00:44:01,800

about a near-death experience that a

1068

00:44:07,370 --> 00:44:03,900

young feller I went to school with many

1069

00:44:09,470 --> 00:44:07,380

years ago head yeah I was back in the

1070

00:44:11,570 --> 00:44:09,480

late 70s that we were hired we were

1071

00:44:13,340 --> 00:44:11,580

dissecting some rats and this young

1072

00:44:16,040 --> 00:44:13,350

fella happened to look into the garbage

1073

00:44:18,260 --> 00:44:16,050

game for and these desires rats and so

1074

00:44:21,220 --> 00:44:18,270

forward in collecting that we had to

1075

00:44:28,610 --> 00:44:21,230

drag him out remember anything Bella

1076

00:44:31,250 --> 00:44:28,620

good god that was me ah Jim he went to

1077

00:44:33,500 --> 00:44:31,260

school was Richard did you I did I did

1078

00:44:38,150 --> 00:44:33,510

Giants better from where I vicodin left

1079

00:44:42,260 --> 00:44:38,160

the right 70 that was actually 1983-84

1080

00:44:44,660 --> 00:44:42,270

but you're close veterinary yeah we were

1081

00:44:46,070 --> 00:44:44,670

doing an experiment on rats and I don't

1082

00:44:48,680 --> 00:44:46,080

know if they still do that to poor old

1083

00:44:50,780 --> 00:44:48,690

rats but at the time and when we were

1084

00:44:54,980 --> 00:44:50,790

sent back to get some and yeah I was a

1085

00:44:56,480 --> 00:44:54,990

little over come and face forward into

1086

00:44:59,870 --> 00:44:56,490

the Buddha's I remember we had to drag

1087

00:45:02,390 --> 00:44:59,880

you area for lab and I woke up going

1088

00:45:08,210 --> 00:45:02,400

what the hell's going on exactly exactly

1089

00:45:10,280 --> 00:45:08,220

I don't quite remember dying but it's on

1090

00:45:12,010 --> 00:45:10,290

par so modest young boys do to go I

1091

00:45:16,910 --> 00:45:12,020

shake you at the time I think that's a

1092

00:45:19,010 --> 00:45:16,920

pretty powerful piece you again in there

1093

00:45:20,810 --> 00:45:19,020

good to see you doing well thank you

1094

00:45:22,670 --> 00:45:20,820

very much mate those were those were

1095

00:45:24,200 --> 00:45:22,680

it's a long time ago but there you go i

1096

00:45:26,320 --> 00:45:24,210

wonder what happened to those poor old

1097

00:45:29,540 --> 00:45:26,330

rights i don't remember

1098

00:45:33,589 --> 00:45:29,550

can I get on your jazz Kansas morning

1099

00:45:36,020 --> 00:45:33,599

Jim lovely about 14 degrees is it that's

1100

00:45:37,790 --> 00:45:36,030

beautiful yeah your overnight low was 18

1101
00:45:39,650 --> 00:45:37,800
expected to be 18 so it should be warmer

1102
00:45:40,580 --> 00:45:39,660
than that well probably has been a

1103
00:45:42,589 --> 00:45:40,590
little bit of right i would actually

1104
00:45:44,660 --> 00:45:42,599
checked the temperature gotta jump wrong

1105
00:45:46,880 --> 00:45:44,670
with it gets cold but yeah you think

1106
00:45:48,109 --> 00:45:46,890
it's cold I think I tell you think 18

1107
00:45:50,060 --> 00:45:48,119
degrees is called you're getting up to

1108
00:45:51,920 --> 00:45:50,070
25 today get on your Jim thanks for the

1109
00:45:55,250 --> 00:45:51,930
call that was actually look back that

1110
00:45:58,460 --> 00:45:55,260
was good fun Richard 13 13 32 Richard if

1111
00:46:00,470 --> 00:45:58,470
somebody gets a reading from a psychic

1112
00:46:02,630 --> 00:46:00,480
yeah and there are plenty of people

1113
00:46:04,010 --> 00:46:02,640

listening who you know are probably

1114

00:46:06,740 --> 00:46:04,020

planning on doing it than in the

1115

00:46:09,140 --> 00:46:06,750

not-too-distant future other people yeah

1116

00:46:11,720 --> 00:46:09,150

you know have a regular person that they

1117

00:46:14,990 --> 00:46:11,730

go to for reassurance i suppose that and

1118

00:46:18,260 --> 00:46:15,000

the most common questions are money love

1119

00:46:20,300 --> 00:46:18,270

and work aren't they yeah health money

1120

00:46:25,070 --> 00:46:20,310

I've worked that sort of things if

1121

00:46:28,099 --> 00:46:25,080

people want tips always record your

1122

00:46:29,930 --> 00:46:28,109

psychic reading take a little mp3

1123

00:46:31,970 --> 00:46:29,940

recorder or whatever that you may have

1124

00:46:34,040 --> 00:46:31,980

your your phone off and records things

1125

00:46:38,630 --> 00:46:34,050

these days yes another tip is don't

1126

00:46:40,220 --> 00:46:38,640

answer questions if a psychic is asking

1127

00:46:41,930 --> 00:46:40,230

you questions all I can ask you a

1128

00:46:43,790 --> 00:46:41,940

question Damien anybody down the street

1129

00:46:45,530 --> 00:46:43,800

can ask your questions the whole idea

1130

00:46:47,930 --> 00:46:45,540

about the psychic is they should be able

1131

00:46:50,450 --> 00:46:47,940

to glean knowledge using mystical powers

1132

00:46:53,750 --> 00:46:50,460

and not have to ask you and the other

1133

00:46:55,280 --> 00:46:53,760

things ask them questions if you're

1134

00:46:58,400 --> 00:46:55,290

going for a psychic reading turn up and

1135

00:47:01,339 --> 00:46:58,410

say oh here's a question for you what

1136

00:47:03,020 --> 00:47:01,349

was I doing in high school in 1983 or

1137

00:47:05,089 --> 00:47:03,030

something like that and see if they can

1138

00:47:07,760 --> 00:47:05,099

answer your questions to your

1139

00:47:10,640 --> 00:47:07,770

satisfaction but the it's amazing how

1140

00:47:11,810 --> 00:47:10,650

many people will forget after it really

1141

00:47:12,920 --> 00:47:11,820

happened and when they hear their

1142

00:47:15,560 --> 00:47:12,930

recording back they're often quite

1143

00:47:18,380 --> 00:47:15,570

shocked is how many times the psychic

1144

00:47:20,540 --> 00:47:18,390

simply asked them people for the

1145

00:47:24,050 --> 00:47:20,550

information it's it's it's gobsmacking

1146

00:47:26,210 --> 00:47:24,060

that they're my tips so the psychic will

1147

00:47:28,700 --> 00:47:26,220

ask you questions about yourself and you

1148

00:47:30,470 --> 00:47:28,710

sort of end up telling them absolutely

1149

00:47:32,300 --> 00:47:30,480

and in that and then they'll say okay

1150

00:47:33,530 --> 00:47:32,310

for example let's say you're trying to

1151

00:47:35,839 --> 00:47:33,540

get in touch with your father who's

1152

00:47:38,390 --> 00:47:35,849

passed away and the psychic will say

1153

00:47:39,520 --> 00:47:38,400

your father was a was a loving person

1154

00:47:40,630 --> 00:47:39,530

you had a very good

1155

00:47:42,700 --> 00:47:40,640

relationship with your father well I

1156

00:47:44,290 --> 00:47:42,710

suppose if you wanted to know about your

1157

00:47:46,150 --> 00:47:44,300

father and you were grieving especially

1158

00:47:47,740 --> 00:47:46,160

years after he passed away it's pretty

1159

00:47:50,200 --> 00:47:47,750

obvious you were close to your father

1160

00:47:52,150 --> 00:47:50,210

yeah but it's interesting what they'll

1161

00:47:54,550 --> 00:47:52,160

often do so I'll catch it in terms I got

1162

00:47:56,020 --> 00:47:54,560

you if you're something on the other

1163

00:47:58,300 --> 00:47:56,030

side of the table they say I'm getting

1164

00:47:59,890 --> 00:47:58,310

an energy coming through to me they're

1165

00:48:01,990 --> 00:47:59,900

telling me it's a bit unclear they're

1166

00:48:04,180 --> 00:48:02,000

telling me it's a father figure it's a

1167

00:48:06,160 --> 00:48:04,190

father figure can you relate to that and

1168

00:48:09,130 --> 00:48:06,170

you might say yes my father passed away

1169

00:48:11,440 --> 00:48:09,140

later on when you're retelling the the

1170

00:48:13,990 --> 00:48:11,450

reading you'll say oh Richard Saunders i

1171

00:48:16,330 --> 00:48:14,000

went for reading here and he knew my

1172

00:48:18,070 --> 00:48:16,340

father passed away you see that where

1173

00:48:20,740 --> 00:48:18,080

isn't a matter of fact you told me the

1174

00:48:22,030 --> 00:48:20,750

information yeah and then if it wasn't

1175

00:48:23,830 --> 00:48:22,040

your father it could have been an uncle

1176

00:48:26,980 --> 00:48:23,840

who could be then described as a father

1177

00:48:28,690 --> 00:48:26,990

figure yes an uncle a good friend and

1178

00:48:32,590 --> 00:48:28,700

all the relative all of those can come

1179

00:48:34,720 --> 00:48:32,600

into the sphere of father figure and

1180

00:48:36,340 --> 00:48:34,730

then there are so many ways that people

1181

00:48:39,640 --> 00:48:36,350

can ask questions like that the ditches

1182

00:48:41,110 --> 00:48:39,650

it's a fascinating topic of study yeah

1183

00:48:42,070 --> 00:48:41,120

it is interesting look good on your

1184

00:48:43,570 --> 00:48:42,080

Richard you've been very very

1185

00:48:45,310 --> 00:48:43,580

interesting i'll talk to you again we'll

1186

00:48:47,080 --> 00:48:45,320

catch up again soon and maybe you can

1187

00:48:49,480 --> 00:48:47,090

come into the studio one morning and

1188

00:48:52,240 --> 00:48:49,490

been some spoons for me my pleasure and

1189

00:48:54,430 --> 00:48:52,250

just before I go and the famous just

1190

00:48:56,730 --> 00:48:54,440

before I go the Australian skeptics have

1191

00:48:59,110 --> 00:48:56,740

a major convention in sydney in november

1192

00:49:00,640 --> 00:48:59,120

when flying people from all around the

1193

00:49:02,700 --> 00:49:00,650

world we have a hundred-thousand-dollar

1194

00:49:05,620 --> 00:49:02,710

challenge the first psychic who can

1195

00:49:09,790 --> 00:49:05,630

prove their jobs and people can find out

1196

00:49:13,480 --> 00:49:09,800

more at skeptics com au so you will pay

1197

00:49:16,570 --> 00:49:13,490

a hundred thousand dollars yeah all they

1198

00:49:18,760 --> 00:49:16,580

have to do is is prove their claim if

1199

00:49:20,400 --> 00:49:18,770

they say they can talk to the dead will

1200

00:49:22,960 --> 00:49:20,410

sit down with them and come up with a

1201

00:49:24,970 --> 00:49:22,970

mutually agreed test where they can show

1202

00:49:26,470 --> 00:49:24,980

us and the world nor firmly that they

1203

00:49:29,140 --> 00:49:26,480

can talk to the dead if they say they

1204

00:49:32,170 --> 00:49:29,150

can do water divining rewarded dowsing

1205

00:49:34,360 --> 00:49:32,180

will will let them show us how they can

1206

00:49:36,670 --> 00:49:34,370

do it and if they can do that to the

1207

00:49:39,310 --> 00:49:36,680

satisfaction of not us with a mutually

1208

00:49:41,170 --> 00:49:39,320

agreed independent umpire under a fair

1209

00:49:43,090 --> 00:49:41,180

test demo they get a hundred thousand

1210

00:49:46,270 --> 00:49:43,100

dollars so why doesn't join everybody

1211

00:49:48,850 --> 00:49:46,280

line up [h__\h] makes more money doing the

1212

00:49:51,340 --> 00:49:48,860

circle as easy as it is alright this is

1213

00:49:53,050 --> 00:49:51,350

absolutely economically there's no point

1214

00:49:55,000 --> 00:49:53,060

them to do it good

1215

00:49:56,380 --> 00:49:55,010

dr. Richard thanks for that Thank oh

1216

00:49:58,330 --> 00:49:56,390

thanks for your call Richard Saunders

1217

00:50:00,160 --> 00:49:58,340

from the Australian skeptics Association

1218

00:50:02,650 --> 00:50:00,170

phoning him from San Francisco let's

1219

00:50:04,570 --> 00:50:02,660

listening to us online and I appreciate

1220

00:50:08,380 --> 00:50:04,580

his time I've gotta tell you though this

1221

00:50:11,880 --> 00:50:08,390

woman I spoke to in Canberra was very

1222

00:50:23,260 --> 00:50:11,890

impressive she knocked me for six so

1223

00:50:25,240 --> 00:50:23,270

i'll keep my mind open i think hey guys

1224

00:50:27,420 --> 00:50:25,250

this is jay from the skeptics guide to

1225

00:50:29,560 --> 00:50:27,430

the universe ER well hold on whoa

1226
00:50:31,360 --> 00:50:29,570
everybody knows I'm the only reason to

1227
00:50:32,830 --> 00:50:31,370
listen to the Freak Show right I mean it

1228
00:50:39,400 --> 00:50:32,840
was up to me the show would start with

1229
00:50:41,350 --> 00:50:39,410
this yeah boy well Rebecca would hate

1230
00:50:42,940 --> 00:50:41,360
that probably but I mean I'd rock that

1231
00:50:44,590 --> 00:50:42,950
listen to our show and you can learn

1232
00:50:46,060 --> 00:50:44,600
about cool stuff like a technological

1233
00:50:47,890 --> 00:50:46,070
singularity which is someday when

1234
00:50:48,820 --> 00:50:47,900
technology progresses so fast that it

1235
00:50:51,010 --> 00:50:48,830
would make the Industrial Revolution

1236
00:50:54,550 --> 00:50:51,020
look like a kid science project anyway

1237
00:51:12,490 --> 00:50:54,560
come check us out at WWDC epic sky org

1238
00:51:17,359 --> 00:51:15,109

thank you for listening to the skeptic

1239

00:51:18,980 --> 00:51:17,369

zone well I'm looking around the room

1240

00:51:20,720 --> 00:51:18,990

now thinking what shall I pack what

1241

00:51:22,789 --> 00:51:20,730

should I take to the amazing meeting in

1242

00:51:25,670 --> 00:51:22,799

Las Vegas i'll be flying out in a few

1243

00:51:28,160 --> 00:51:25,680

days o las vegas this time of the year

1244

00:51:31,160 --> 00:51:28,170

folks in fact I've been going there now

1245

00:51:33,620 --> 00:51:31,170

for over seven years or something it's

1246

00:51:35,240 --> 00:51:33,630

like walking into a microwave oven ruff

1247

00:51:36,559 --> 00:51:35,250

I don't know how people live there all

1248

00:51:38,720 --> 00:51:36,569

year I guess they just live in the air

1249

00:51:41,089 --> 00:51:38,730

conditioning but the amazing meeting

1250

00:51:43,960 --> 00:51:41,099

will be the time I officially launch the

1251
00:51:46,279 --> 00:51:43,970
vaccination chronicles our documentary

1252
00:51:48,440 --> 00:51:46,289
and after that I'll be letting everybody

1253
00:51:51,710 --> 00:51:48,450
know the URL where you can check it out

1254
00:51:53,990 --> 00:51:51,720
for yourself it runs at exactly 27

1255
00:51:56,539 --> 00:51:54,000
minutes it's been an interesting job

1256
00:52:00,170 --> 00:51:56,549
making something fit exactly into 27

1257
00:52:02,059 --> 00:52:00,180
minutes to the frame editing here and

1258
00:52:05,059 --> 00:52:02,069
they're expanding this bit cutting this

1259
00:52:07,910 --> 00:52:05,069
bit and ordering that bit but that's all

1260
00:52:09,559 --> 00:52:07,920
part of documentary making and of course

1261
00:52:10,849 --> 00:52:09,569
the amazing meaning is only a warm up to

1262
00:52:13,940 --> 00:52:10,859
the Australian skeptics national

1263
00:52:15,740 --> 00:52:13,950

convention in sydney in november where

1264

00:52:18,440 --> 00:52:15,750

the skeptics guide to the universe will

1265

00:52:20,269 --> 00:52:18,450

be there and George Rev Dr Ritchie and

1266

00:52:23,390 --> 00:52:20,279

lots of lots of people we're still

1267

00:52:25,849 --> 00:52:23,400

finalizing a lot of that it's still many

1268

00:52:27,680 --> 00:52:25,859

months away of course but it's never too

1269

00:52:29,240 --> 00:52:27,690

early to buy your ticket especially now

1270

00:52:31,400 --> 00:52:29,250

since the prices have fallen

1271

00:52:32,630 --> 00:52:31,410

considerably and we've got concession

1272

00:52:36,970 --> 00:52:32,640

tickets available and things like that

1273

00:52:40,849 --> 00:52:36,980

check it out wwc optics com today you or

1274

00:52:43,519 --> 00:52:40,859

variate convention dot skeptics com

1275

00:52:45,410 --> 00:52:43,529

don't I you either one will work but

1276

00:52:47,089 --> 00:52:45,420

until next week where the show will go

1277

00:52:51,680 --> 00:52:47,099

out from the amazing meeting that will

1278

00:52:53,480 --> 00:52:51,690

be shown number 2 99 wow this is Richard

1279

00:52:59,150 --> 00:52:53,490

Saunders signing off from the San

1280

00:53:06,540 --> 00:53:01,560

you've been listening to the skeptic

1281

00:53:10,320 --> 00:53:06,550

zone visit her website at [www skeptics](http://www.skeptics)