

SKEPTIC ZONE



Show 3
10.Oct.2008

**The
Podcast
from
Australia
for
Science
and
Reason**

www.skepticzone.tv

1
00:00:12,970 --> 00:00:09,470
welcome to the skeptic zone the podcast

2
00:00:16,790 --> 00:00:12,980
from Australia for science and reason

3
00:00:19,400 --> 00:00:16,800
yuria hosts Richard Saunders and Stefan

4
00:00:24,769 --> 00:00:22,160
good morning afternoon evening Richard

5
00:00:26,810 --> 00:00:24,779
once again in the inner zone Stefan you

6
00:00:28,400 --> 00:00:26,820
know in the zone there's no time zones

7
00:00:30,080 --> 00:00:28,410
in the zone did you know that all that's

8
00:00:32,570 --> 00:00:30,090
amazing I know it's like people could

9
00:00:34,520 --> 00:00:32,580
listen to us any time of the day in fact

10
00:00:36,590 --> 00:00:34,530
in any part of the universe you can be

11
00:00:38,299 --> 00:00:36,600
Curtis know us with that with no bounds

12
00:00:40,009 --> 00:00:38,309
on time at all that's true and in fact

13
00:00:41,390 --> 00:00:40,019

people are listening to us right now and

14

00:00:43,280 --> 00:00:41,400

it's one o'clock in the afternoon yeah

15

00:00:46,160 --> 00:00:43,290

two o'clock it's 2 and so on yes oh

16

00:00:47,750 --> 00:00:46,170

that's just first time yeah it's um it's

17

00:00:49,700 --> 00:00:47,760

it's pretty good and welcome back

18

00:00:52,340 --> 00:00:49,710

everybody because we've had a wonderful

19

00:00:54,920 --> 00:00:52,350

time since the the first launch of the

20

00:00:56,660 --> 00:00:54,930

zone one the zone 1 and then we had a

21

00:00:58,100 --> 00:00:56,670

little zone 2 which was skeptics in the

22

00:01:00,740 --> 00:00:58,110

pub but thank you to everybody who's

23

00:01:02,540 --> 00:01:00,750

subscribing we've got over a thousand

24

00:01:04,790 --> 00:01:02,550

iTunes subscribers now and we're just

25

00:01:06,380 --> 00:01:04,800

about the crack about two thousand

26

00:01:07,609 --> 00:01:06,390

downloads all together my goodness

27

00:01:09,590 --> 00:01:07,619

that's going to make some of the other

28

00:01:12,620 --> 00:01:09,600

skeptic shows extremely envious and

29

00:01:14,690 --> 00:01:12,630

probably create a bigger so underlying

30

00:01:18,020 --> 00:01:14,700

hatred amongst the skeptic in either not

31

00:01:20,120 --> 00:01:18,030

envious ya know that's it's great but

32

00:01:22,100 --> 00:01:20,130

what one thing I must say it's really

33

00:01:24,800 --> 00:01:22,110

great that there are so many really cool

34

00:01:27,199 --> 00:01:24,810

skeptic shows and and as we we've just

35

00:01:29,180 --> 00:01:27,209

one contender absolutely good but it's

36

00:01:30,770 --> 00:01:29,190

also great to see so much skepticism in

37

00:01:32,630 --> 00:01:30,780

the world at the moment I think so I

38

00:01:34,249 --> 00:01:32,640

think so and they're all collecting into

39

00:01:36,980 --> 00:01:34,259

the zone that's what I think they are

40

00:01:38,719 --> 00:01:36,990

the zone and I feel them those other

41

00:01:41,600 --> 00:01:38,729

shows they'll be envious after today's

42

00:01:44,630 --> 00:01:41,610

episode that's right why we've got

43

00:01:46,940 --> 00:01:44,640

another live recording we did at dragon

44

00:01:49,070 --> 00:01:46,950

con 2008 this time we're talking to dr.

45

00:01:52,130 --> 00:01:49,080

ginger Campbell who has her own podcast

46

00:01:55,699 --> 00:01:52,140

called brain science Oh awesome yeah

47

00:01:57,229 --> 00:01:55,709

street pretty amazing brain Stein so how

48

00:01:58,999 --> 00:01:57,239

the brain works and all that I've been

49

00:02:00,620 --> 00:01:59,009

thinking about that a bit lately i was

50

00:02:02,449 --> 00:02:00,630

thinking imagine if we evolved to a

51
00:02:04,219 --> 00:02:02,459
point where but the same way we pick up

52
00:02:06,889 --> 00:02:04,229
vision that we can actually pick up

53
00:02:08,270 --> 00:02:06,899
television with sensors that actually

54
00:02:11,449 --> 00:02:08,280
plug into our brains we all just tuned

55
00:02:14,240 --> 00:02:11,459
into TV channels Wow it could happen in

56
00:02:16,400 --> 00:02:14,250
all radio or podcasts or same thing so

57
00:02:18,170 --> 00:02:16,410
its up this is coming in there oh my

58
00:02:19,729 --> 00:02:18,180
good oh but good as it's a skeptic zone

59
00:02:22,850 --> 00:02:19,739
number two oh yeah he looks me do it now

60
00:02:24,860 --> 00:02:22,860
everybody wasn't it still is that's

61
00:02:28,010 --> 00:02:24,870
great to be here Richard and else we got

62
00:02:29,870 --> 00:02:28,020
then we've got a new segment dr. rachy

63
00:02:32,620 --> 00:02:29,880

reports dr. rachel dunlop a cell

64

00:02:34,480 --> 00:02:32,630

biologist takes on quackery and

65

00:02:37,900 --> 00:02:34,490

today she's going to kick off her new

66

00:02:40,390 --> 00:02:37,910

segment with live blood analysis live

67

00:02:44,440 --> 00:02:40,400

blood and now let us know it sounds

68

00:02:45,610 --> 00:02:44,450

scary oh boy so I'm looking forward to

69

00:02:47,410 --> 00:02:45,620

that new segment and then that's

70

00:02:49,390 --> 00:02:47,420

followed by the regular think tank oh

71

00:02:50,980 --> 00:02:49,400

that's great fun nice little theme for

72

00:02:53,620 --> 00:02:50,990

that slightly less shadow 2 is the think

73

00:02:55,330 --> 00:02:53,630

tank theme I don't know I don't know

74

00:02:57,370 --> 00:02:55,340

where that came probably just fell out

75

00:02:58,840 --> 00:02:57,380

of the hair magically into the zone I

76

00:03:00,970 --> 00:02:58,850

really like that and people have been

77

00:03:02,470 --> 00:03:00,980

commenting on the song theme song and

78

00:03:05,140 --> 00:03:02,480

then been downloading it for their uh

79

00:03:07,840 --> 00:03:05,150

their telephones their cell phones oh no

80

00:03:10,840 --> 00:03:07,850

yeah if you go to the skeptic as own

81

00:03:12,400 --> 00:03:10,850

website yeah and its continued TV you

82

00:03:16,360 --> 00:03:12,410

can download our theme song as your

83

00:03:18,970 --> 00:03:16,370

ringtone and I must say thank you to all

84

00:03:21,070 --> 00:03:18,980

the emails it's been fantastic um I

85

00:03:23,200 --> 00:03:21,080

didn't expect to get so many and so many

86

00:03:25,390 --> 00:03:23,210

people were saying how much they enjoyed

87

00:03:26,950 --> 00:03:25,400

the think tank second especially it's

88

00:03:29,530 --> 00:03:26,960

great isn't it's really cares really

89

00:03:31,840 --> 00:03:29,540

laid back and yeah the nice Ozzy kind of

90

00:03:33,370 --> 00:03:31,850

pub Club atmosphere it isn't today's

91

00:03:34,960 --> 00:03:33,380

episode is interesting because there was

92

00:03:37,690 --> 00:03:34,970

a mahjong tournament happening in the

93

00:03:39,400 --> 00:03:37,700

background we didn't expect that what

94

00:03:41,410 --> 00:03:39,410

happens in our people I yell out mahjong

95

00:03:43,030 --> 00:03:41,420

when they know that they make a lot of

96

00:03:46,090 --> 00:03:43,040

clattering noise but you'll hear it

97

00:03:47,440 --> 00:03:46,100

later okay all right looking forward to

98

00:03:49,240 --> 00:03:47,450

that well we'd better get into it then

99

00:03:52,970 --> 00:03:49,250

let's let's dive into the zone zone

100

00:04:01,759 --> 00:03:59,089

I think we can move on with our first

101
00:04:05,869 --> 00:04:01,769
guest for the afternoon and I'd like to

102
00:04:08,869 --> 00:04:05,879
call up this lovely lady some of you may

103
00:04:13,100 --> 00:04:08,879
have heard of her she has a yeah ginger

104
00:04:15,440 --> 00:04:13,110
Campbell dr. Campbell she has a article

105
00:04:17,900 --> 00:04:15,450
in the most recent issue of The

106
00:04:31,640 --> 00:04:17,910
Skeptical Inquirer I believe that's her

107
00:04:34,100 --> 00:04:31,650
theme music this wasn't scripted it was

108
00:04:36,500 --> 00:04:34,110
meant to be waltzing matilda so ginger

109
00:04:38,330 --> 00:04:36,510
welcome to the zone I gotta get used to

110
00:04:41,600 --> 00:04:38,340
saying the new word the skeptic zone

111
00:04:45,020 --> 00:04:41,610
thank you Richard so are you run the

112
00:04:49,400 --> 00:04:45,030
brain science podcast yes I've been

113
00:04:52,580 --> 00:04:49,410

doing it since december of 2006 skeptic

114

00:04:54,860 --> 00:04:52,590

ality was one of my early influences

115

00:04:58,129 --> 00:04:54,870

yeah yeah one of the wonderful things I

116

00:05:00,110 --> 00:04:58,139

like about your podcast is your so

117

00:05:01,820 --> 00:05:00,120

diverse because you also have an

118

00:05:03,500 --> 00:05:01,830

additional podcast on the side about

119

00:05:05,210 --> 00:05:03,510

books and I must admit when I first

120

00:05:07,430 --> 00:05:05,220

started thinking about getting into

121

00:05:08,990 --> 00:05:07,440

podcasting and vodcast seen one of the

122

00:05:12,860 --> 00:05:09,000

things that inspired me was to think I

123

00:05:15,080 --> 00:05:12,870

don't just have to do X I can go for my

124

00:05:17,270 --> 00:05:15,090

interests i can go I mean you talked

125

00:05:19,909 --> 00:05:17,280

about Harry Potter which is rocks as far

126

00:05:22,550 --> 00:05:19,919

as i could said it's fantastic well i

127

00:05:24,560 --> 00:05:22,560

have to mention the grand-am of

128

00:05:28,760 --> 00:05:24,570

podcasting which is Murr Lafferty

129

00:05:30,860 --> 00:05:28,770

everybody knows Moreau whoo Murr was my

130

00:05:34,250 --> 00:05:30,870

influence on starting that podcast

131

00:05:36,710 --> 00:05:34,260

because when well me back up for a

132

00:05:40,610 --> 00:05:36,720

second the brain science podcast really

133

00:05:42,589 --> 00:05:40,620

came out of a early little short piece I

134

00:05:46,730 --> 00:05:42,599

did for the sci-fi show which is an

135

00:05:48,230 --> 00:05:46,740

Australian podcast and I had been

136

00:05:50,680 --> 00:05:48,240

thinking about podcasting but couldn't

137

00:05:53,450 --> 00:05:50,690

come up with what I wanted to do and I I

138

00:05:55,610 --> 00:05:53,460

submit Jason Rennie who does the sci-fi

139

00:05:57,740 --> 00:05:55,620

show i'm sorry that's I think I said the

140

00:05:59,240 --> 00:05:57,750

name of it wrong sci-fi show it's a

141

00:06:02,990 --> 00:05:59,250

combination of science fiction and

142

00:06:04,310 --> 00:06:03,000

philosophy and on his discussion forum

143

00:06:07,050 --> 00:06:04,320

there was always people talking about

144

00:06:10,170 --> 00:06:07,060

the brain and mostly what they said was

145

00:06:11,370 --> 00:06:10,180

wrong and I realized that there was a

146

00:06:13,440 --> 00:06:11,380

need for people to have better

147

00:06:14,879 --> 00:06:13,450

information and and I kept trying to

148

00:06:16,320 --> 00:06:14,889

tell him well this is a good book you

149

00:06:18,120 --> 00:06:16,330

could read and this is a good book you

150

00:06:20,370 --> 00:06:18,130

could read and this is and finally he

151
00:06:22,409 --> 00:06:20,380
writes to me and says well you could do

152
00:06:25,020 --> 00:06:22,419
a book review for me so i did on

153
00:06:27,270 --> 00:06:25,030
intelligence by jeff hawkins and he only

154
00:06:31,460 --> 00:06:27,280
gave me five minutes which for me meant

155
00:06:33,540 --> 00:06:31,470
much editing but that once I did that

156
00:06:35,760 --> 00:06:33,550
first of all it got me over that whole

157
00:06:37,620 --> 00:06:35,770
hump of doing the first recording which

158
00:06:39,210 --> 00:06:37,630
the first one is the hardest if you're

159
00:06:43,530 --> 00:06:39,220
interested in getting into podcasting

160
00:06:45,990 --> 00:06:43,540
and I was just so jazzed by I said this

161
00:06:48,870 --> 00:06:46,000
is it because the brain I won't ever run

162
00:06:51,719 --> 00:06:48,880
out of topics but I was inspired by mer

163
00:06:54,450 --> 00:06:51,729

because at that point she had I should

164

00:06:56,460 --> 00:06:54,460

be riding and through action grip geek

165

00:06:59,190 --> 00:06:56,470

foo was a real well there at both of her

166

00:07:00,810 --> 00:06:59,200

shows are very personal but I got the

167

00:07:02,400 --> 00:07:00,820

idea from her that if I was going to do

168

00:07:04,860 --> 00:07:02,410

the brain science podcast that's not the

169

00:07:07,530 --> 00:07:04,870

only thing I'm interested in yeah I mean

170

00:07:09,690 --> 00:07:07,540

I'm to be as most of you if you have

171

00:07:12,330 --> 00:07:09,700

ever heard my show you know I'm not a

172

00:07:14,580 --> 00:07:12,340

neuroscientist I'm an ER doctor so I

173

00:07:16,290 --> 00:07:14,590

dude the brain science podcast because

174

00:07:17,969 --> 00:07:16,300

it's something I read about and want to

175

00:07:21,420 --> 00:07:17,979

share with others but I read other

176

00:07:23,219 --> 00:07:21,430

things like Harry Potter so I thought

177

00:07:25,620 --> 00:07:23,229

I'll have a second show and that's where

178

00:07:28,469 --> 00:07:25,630

I'll put everything that doesn't fit and

179

00:07:31,140 --> 00:07:28,479

when i first started i tried to do one

180

00:07:32,670 --> 00:07:31,150

show every week i was alternating that

181

00:07:37,680 --> 00:07:32,680

didn't last very long so no one knows

182

00:07:39,330 --> 00:07:37,690

that and so if you went into my feed for

183

00:07:43,050 --> 00:07:39,340

books and ideas you'll find that there's

184

00:07:44,969 --> 00:07:43,060

some really bad early episodes where I

185

00:07:47,879 --> 00:07:44,979

tried to say this week i'm reading blah

186

00:07:54,090 --> 00:07:47,889

blah and stuff and these were the worst

187

00:07:56,610 --> 00:07:54,100

books on audible.com last year and i

188

00:07:58,200 --> 00:07:56,620

gave that up but still the great thing

189

00:08:00,060 --> 00:07:58,210

about books and ideas and i appreciate

190

00:08:05,340 --> 00:08:00,070

you giving me a chance to mention it is

191

00:08:08,310 --> 00:08:05,350

that it allows me to do anything so I've

192

00:08:13,080 --> 00:08:08,320

done Harry Potter I interview other

193

00:08:16,560 --> 00:08:13,090

podcasters I have Eugenie Scott is my

194

00:08:18,659 --> 00:08:16,570

most recent episode and you know she's

195

00:08:19,820 --> 00:08:18,669

she had just been interviewed by swoopy

196

00:08:23,600 --> 00:08:19,830

and of course swoopy

197

00:08:26,000 --> 00:08:23,610

a great interviewer but Eugenie is also

198

00:08:27,470 --> 00:08:26,010

a great guest and we were able to take

199

00:08:30,590 --> 00:08:27,480

the subject in a different direction

200

00:08:32,960 --> 00:08:30,600

when we talked when I talked with her we

201
00:08:35,570 --> 00:08:32,970
actually talked about how she works with

202
00:08:38,810 --> 00:08:35,580
Christians because you know it's easy

203
00:08:41,690 --> 00:08:38,820
for skeptics to think get kind of into a

204
00:08:45,100 --> 00:08:41,700
zone of this whole evolution of creation

205
00:08:49,760 --> 00:08:45,110
and evolution versus creationism is a

206
00:08:52,820 --> 00:08:49,770
religion vs atheism issue but it isn't

207
00:08:55,280 --> 00:08:52,830
and and it's it's certainly something

208
00:08:57,410 --> 00:08:55,290
that Karen has right focused on as well

209
00:09:00,080 --> 00:08:57,420
and so we talked about the work she's

210
00:09:02,470 --> 00:09:00,090
doing with churches and the work that

211
00:09:05,930 --> 00:09:02,480
she's doing with scientists who are also

212
00:09:08,030 --> 00:09:05,940
Christians encouraging them to help

213
00:09:11,480 --> 00:09:08,040

their members to become better educated

214

00:09:13,430 --> 00:09:11,490

and to not fall for the right wing da

215

00:09:16,430 --> 00:09:13,440

you know the right-wing propaganda that

216

00:09:19,130 --> 00:09:16,440

if you believe in god you have to reject

217

00:09:20,660 --> 00:09:19,140

evolution because let's face it most

218

00:09:22,850 --> 00:09:20,670

people aren't going to give up their

219

00:09:25,580 --> 00:09:22,860

belief in God but that doesn't mean that

220

00:09:28,310 --> 00:09:25,590

they can't no accurate science and

221

00:09:31,130 --> 00:09:28,320

that's also the point of view I take on

222

00:09:33,290 --> 00:09:31,140

the brain science podcast so when I

223

00:09:37,300 --> 00:09:33,300

touch on something that might lead a

224

00:09:41,260 --> 00:09:37,310

skeptic to go into a very you know this

225

00:09:44,680 --> 00:09:41,270

just knocks down that common belief i

226

00:09:47,300 --> 00:09:44,690

will mention it but i don't take a real

227

00:09:50,300 --> 00:09:47,310

what i call radical skeptic position

228

00:09:53,000 --> 00:09:50,310

because my goal is to be a have a show

229

00:09:56,720 --> 00:09:53,010

that everyone with the brain can listen

230

00:09:59,410 --> 00:09:56,730

to and and I don't intentionally try to

231

00:10:03,890 --> 00:09:59,420

alienate a person who has beliefs

232

00:10:05,900 --> 00:10:03,900

because I think the more you learn then

233

00:10:07,940 --> 00:10:05,910

the belief parts going to take care of

234

00:10:09,230 --> 00:10:07,950

itself if you're open minded your

235

00:10:11,150 --> 00:10:09,240

release is going to change over time

236

00:10:13,460 --> 00:10:11,160

well it's never an easy thing I know

237

00:10:15,650 --> 00:10:13,470

that but just talking about Eugenie

238

00:10:17,690 --> 00:10:15,660

Scott she was a very early guest on the

239

00:10:20,630 --> 00:10:17,700

skeptic tank when it was an audio show

240

00:10:23,150 --> 00:10:20,640

in fact I I have a lovely conversation

241

00:10:24,650 --> 00:10:23,160

rajini Scott she's always welcome on any

242

00:10:26,120 --> 00:10:24,660

podcast I think are you familiar with

243

00:10:28,060 --> 00:10:26,130

Eugenie Scott in the work she does and

244

00:10:31,580 --> 00:10:28,070

media yes

245

00:10:33,470 --> 00:10:31,590

in fact i hope to interview her probably

246

00:10:34,970 --> 00:10:33,480

next week oh listen because i'll be

247

00:10:37,130 --> 00:10:34,980

spending some time in the bay area and

248

00:10:38,840 --> 00:10:37,140

she's well worth having if any of you

249

00:10:41,240 --> 00:10:38,850

want to start a podcast ring up Jamie

250

00:10:43,900 --> 00:10:41,250

Scott need everywhere register she's

251
00:10:46,490 --> 00:10:43,910
fantastic so what are some of the

252
00:10:48,110 --> 00:10:46,500
pseudoscience and fallacies and urban

253
00:10:51,350 --> 00:10:48,120
legends or myths that you've come across

254
00:10:54,560 --> 00:10:51,360
on your show I don't either stand out to

255
00:10:56,330 --> 00:10:54,570
you at all well probably can I say one

256
00:10:59,060 --> 00:10:56,340
thing about books on Diaz first because

257
00:11:02,900 --> 00:10:59,070
I actually did an episode about the

258
00:11:05,480 --> 00:11:02,910
issue the free free will someone sent me

259
00:11:07,220 --> 00:11:05,490
a book that she had edited called the

260
00:11:10,490 --> 00:11:07,230
myth of free will actually should give

261
00:11:13,820 --> 00:11:10,500
her credit her name is Chris evett and

262
00:11:16,190 --> 00:11:13,830
she lives in Hawaii and she has a book

263
00:11:21,980 --> 00:11:16,200

that has pieces by people like Daniel

264

00:11:23,720 --> 00:11:21,990

Dennett and Susan likes more land was

265

00:11:25,580 --> 00:11:23,730

that right did I say they're like black

266

00:11:31,820 --> 00:11:25,590

more I always mispronounce her name and

267

00:11:34,460 --> 00:11:31,830

get email about that and I reviewed her

268

00:11:36,800 --> 00:11:34,470

book on books and ideas and one of the

269

00:11:39,050 --> 00:11:36,810

things that that I said to her was I

270

00:11:42,680 --> 00:11:39,060

have a problem with you're going to say

271

00:11:44,810 --> 00:11:42,690

scientifically that because the way she

272

00:11:48,920 --> 00:11:44,820

defined free will and there was the idea

273

00:11:50,960 --> 00:11:48,930

that it comes from some mythical non not

274

00:11:53,540 --> 00:11:50,970

part of a not part of the brain or body

275

00:11:55,130 --> 00:11:53,550

place and I agree with that but then

276

00:11:57,440 --> 00:11:55,140

some of the people would come to

277

00:12:00,230 --> 00:11:57,450

conclusions that said well if the

278

00:12:03,650 --> 00:12:00,240

traditional idea of free will is a myth

279

00:12:04,880 --> 00:12:03,660

then personal responsibility disappears

280

00:12:07,850 --> 00:12:04,890

you know the people who want to make

281

00:12:11,270 --> 00:12:07,860

their whatever is going on in their

282

00:12:15,560 --> 00:12:11,280

brain their excuse for why they did this

283

00:12:16,850 --> 00:12:15,570

or that and so she she actually let me

284

00:12:18,470 --> 00:12:16,860

write a little piece for the next

285

00:12:21,260 --> 00:12:18,480

edition which came out a few months ago

286

00:12:23,150 --> 00:12:21,270

my think she I don't remember if I gave

287

00:12:26,090 --> 00:12:23,160

my piece of title but she called it my

288

00:12:28,400 --> 00:12:26,100

brain made me do it yeah I don't think

289

00:12:29,750 --> 00:12:28,410

that would stand up in court somehow why

290

00:12:32,270 --> 00:12:29,760

did you rob the bank well I didn't have

291

00:12:33,550 --> 00:12:32,280

any choice you know well actually people

292

00:12:38,680 --> 00:12:33,560

are trying to do that in five

293

00:12:39,970 --> 00:12:38,690

oh really in my am I um live podcast I'm

294

00:12:42,760 --> 00:12:39,980

doing next at two thirty in the room

295

00:12:43,780 --> 00:12:42,770

next door I'm interviewing two people

296

00:12:46,750 --> 00:12:43,790

were going to be talking about brain

297

00:12:48,550 --> 00:12:46,760

imaging and that is one of the issues so

298

00:12:49,780 --> 00:12:48,560

I actually came across a study and this

299

00:12:52,450 --> 00:12:49,790

is in the skeptical inquiry to give them

300

00:12:54,519 --> 00:12:52,460

another plug and it was conducted at the

301
00:12:56,950 --> 00:12:54,529
Max Planck Institute and it was

302
00:12:59,590 --> 00:12:56,960
regarding these MRI studies you're

303
00:13:01,480 --> 00:12:59,600
talking about and it was a study to see

304
00:13:03,450 --> 00:13:01,490
if this technology could predict what

305
00:13:06,640 --> 00:13:03,460
people were going to do seconds before

306
00:13:07,930 --> 00:13:06,650
they do it and so they found that there

307
00:13:11,320 --> 00:13:07,940
was they predicted with seventy percent

308
00:13:13,600 --> 00:13:11,330
accuracy that there was this was based

309
00:13:16,900 --> 00:13:13,610
in calculations that subjects were doing

310
00:13:19,450 --> 00:13:16,910
so I'm wondering do you think that if in

311
00:13:21,130 --> 00:13:19,460
any way brain science is going to give

312
00:13:24,370 --> 00:13:21,140
us some sort of realization of science

313
00:13:26,519 --> 00:13:24,380

fiction or of paranormal activities does

314

00:13:29,350 --> 00:13:26,529

not in the way that we expect it to be

315

00:13:30,550 --> 00:13:29,360

yeah I'm familiar with the study

316

00:13:33,730 --> 00:13:30,560

although i haven't seen The Skeptical

317

00:13:36,490 --> 00:13:33,740

Inquirer article because basically it's

318

00:13:38,650 --> 00:13:36,500

a study that shows that as much as ten

319

00:13:40,030 --> 00:13:38,660

seconds ahead of time you can tell

320

00:13:41,950 --> 00:13:40,040

whether a person i think was it

321

00:13:44,170 --> 00:13:41,960

something like they were just going to

322

00:13:46,090 --> 00:13:44,180

decide to pick lever the left on the

323

00:13:48,730 --> 00:13:46,100

right or the lever on the left something

324

00:13:51,370 --> 00:13:48,740

simple like that and they found that

325

00:13:52,870 --> 00:13:51,380

they could tell from the skin about ten

326

00:13:55,510 --> 00:13:52,880

seconds ahead of time what they were

327

00:13:57,670 --> 00:13:55,520

going to do and all that shows is that a

328

00:13:59,710 --> 00:13:57,680

lot of our a lot of our decision-making

329

00:14:02,020 --> 00:13:59,720

happens outside of our conscious

330

00:14:05,440 --> 00:14:02,030

awareness which is something that I've

331

00:14:09,070 --> 00:14:05,450

talked a lot about on the brain science

332

00:14:11,260 --> 00:14:09,080

podcast and it gets down to the idea for

333

00:14:12,880 --> 00:14:11,270

me just because something happens

334

00:14:14,470 --> 00:14:12,890

outside your conscious awareness doesn't

335

00:14:16,720 --> 00:14:14,480

mean you're not responsible for it I

336

00:14:19,780 --> 00:14:16,730

mean the whole point is we got frontal

337

00:14:21,820 --> 00:14:19,790

lobes that get to veto our decisions if

338

00:14:23,650 --> 00:14:21,830

you know that you might have the urge to

339

00:14:24,880 --> 00:14:23,660

hit somebody when they say something to

340

00:14:28,420 --> 00:14:24,890

you but most the time you're not going

341

00:14:30,910 --> 00:14:28,430

to do it right they do it to me yes for

342

00:14:33,970 --> 00:14:30,920

you to say that we actually decide to

343

00:14:35,620 --> 00:14:33,980

hit you oh I see and we get a pause when

344

00:14:37,430 --> 00:14:35,630

it happens they don't be

345

00:14:40,630 --> 00:14:37,440

reinforcements they come up behind me

346

00:14:43,520 --> 00:14:40,640

and go snap oh yeah hey counterexample

347

00:14:45,380 --> 00:14:43,530

do some people I'm quite fascinated by

348

00:14:47,180 --> 00:14:45,390

the work of Susan Blackmore and I heard

349

00:14:51,350 --> 00:14:47,190

a very good interview with her on I

350

00:14:53,180 --> 00:14:51,360

probably was skeptic ality or st you but

351
00:14:55,490 --> 00:14:53,190
I know she's bound skeptic County yeah

352
00:14:58,010 --> 00:14:55,500
it could have been the one in fact

353
00:14:59,420 --> 00:14:58,020
here's a brief out skeptic ality yes if

354
00:15:03,170 --> 00:14:59,430
you're not listening to the zone listen

355
00:15:05,570 --> 00:15:03,180
to skeptic ality thank you or any of the

356
00:15:07,520 --> 00:15:05,580
scientific skeptical podcasts but yes

357
00:15:09,350 --> 00:15:07,530
she was she has come to the conclusion

358
00:15:12,110 --> 00:15:09,360
from my memory of her interview that

359
00:15:14,120 --> 00:15:12,120
there's really nobody in there you know

360
00:15:16,790 --> 00:15:14,130
what I mean there's no nothing deep

361
00:15:19,430 --> 00:15:16,800
inside you which is yourself it's all a

362
00:15:22,370 --> 00:15:19,440
bit of an illusion I found that quite

363
00:15:24,200 --> 00:15:22,380

interesting yeah she's come to some what

364

00:15:27,980 --> 00:15:24,210

I think what most people would consider

365

00:15:30,560 --> 00:15:27,990

a fairly radical interpretation partly I

366

00:15:35,270 --> 00:15:30,570

think because she combines the science

367

00:15:37,700 --> 00:15:35,280

with somewhat of a Buddhist view of it

368

00:15:40,700 --> 00:15:37,710

you know she kind of takes the science

369

00:15:42,260 --> 00:15:40,710

and puts the the Buddhist view together

370

00:15:48,770 --> 00:15:42,270

and comes up with that there's nobody

371

00:15:52,130 --> 00:15:48,780

there my viewpoint is more like what we

372

00:15:54,440 --> 00:15:52,140

have isn't is it's a it's all of us it's

373

00:15:57,560 --> 00:15:54,450

our body it's our brain it's just that

374

00:16:00,020 --> 00:15:57,570

most of it most of it really isn't

375

00:16:01,910 --> 00:16:00,030

consciously available to us and one of

376

00:16:04,820 --> 00:16:01,920

the topics getting back to your original

377

00:16:07,010 --> 00:16:04,830

question about Miss um let's take

378

00:16:09,890 --> 00:16:07,020

intuition and gut feelings because

379

00:16:12,829 --> 00:16:09,900

that's one that's gotten several people

380

00:16:14,570 --> 00:16:12,839

lots of money writing bestsellers people

381

00:16:17,150 --> 00:16:14,580

of you go infuse some thinking and

382

00:16:18,829 --> 00:16:17,160

feeling yeah often Nestle people come to

383

00:16:21,950 --> 00:16:18,839

me often and say what do you think about

384

00:16:24,250 --> 00:16:21,960

intuition thinking that it's part of the

385

00:16:28,160 --> 00:16:24,260

paranormal I don't think it is at all

386

00:16:31,550 --> 00:16:28,170

absolutely and upon my poster on the

387

00:16:34,640 --> 00:16:31,560

part you can't read one of my most

388

00:16:36,620 --> 00:16:34,650

recent guests was dr. robert burton and

389

00:16:38,840 --> 00:16:36,630

i have some cds of this episode if

390

00:16:41,660 --> 00:16:38,850

anyone would like to if they if you

391

00:16:46,340 --> 00:16:41,670

haven't heard the show before he wrote a

392

00:16:47,930 --> 00:16:46,350

book called on on being certain and he

393

00:16:48,480 --> 00:16:47,940

was talking about where he was he's a

394

00:16:51,449 --> 00:16:48,490

retired

395

00:16:53,850 --> 00:16:51,459

neurologists and about where you know

396

00:16:55,230 --> 00:16:53,860

when you know the answer you have that

397

00:16:58,230 --> 00:16:55,240

feeling that you know something the

398

00:17:01,590 --> 00:16:58,240

feeling of knowing everyone has a you

399

00:17:04,730 --> 00:17:01,600

know and his book is really kind of is

400

00:17:07,500 --> 00:17:04,740

about that and it's about the fact that

401

00:17:10,590 --> 00:17:07,510

that feeling of knowing is not as

402

00:17:12,449 --> 00:17:10,600

reliable as you might think I mean we we

403

00:17:13,890 --> 00:17:12,459

assume okay known that's and that's

404

00:17:15,540 --> 00:17:13,900

where that's one of the things that

405

00:17:17,990 --> 00:17:15,550

comes down to being a believer or

406

00:17:21,809 --> 00:17:18,000

non-believer it's kind of where your

407

00:17:23,429 --> 00:17:21,819

brain circuits come down okay and one of

408

00:17:26,160 --> 00:17:23,439

the things he points out is that you

409

00:17:27,720 --> 00:17:26,170

really can't control that so when you're

410

00:17:29,970 --> 00:17:27,730

considering say someone who no matter

411

00:17:32,640 --> 00:17:29,980

how many facts you show them say well

412

00:17:35,220 --> 00:17:32,650

but I still believe in God you need to

413

00:17:37,350 --> 00:17:35,230

remember that that's not a you know

414

00:17:40,470 --> 00:17:37,360

they've decided to be stubborn conscious

415

00:17:43,169 --> 00:17:40,480

decision that's what's happening at

416

00:17:45,030 --> 00:17:43,179

lower levels and he argues for more

417

00:17:48,690 --> 00:17:45,040

tolerance in both directions because of

418

00:17:51,900 --> 00:17:48,700

that but he points out that intuition

419

00:17:54,720 --> 00:17:51,910

gut feelings is not anything mystical

420

00:17:56,700 --> 00:17:54,730

it's coming from lower circuits in the

421

00:17:57,810 --> 00:17:56,710

brain coming from experience I only call

422

00:18:00,660 --> 00:17:57,820

him lower because we don't have

423

00:18:03,240 --> 00:18:00,670

conscious well it does and a good

424

00:18:04,799 --> 00:18:03,250

example he gave was he's a novelist this

425

00:18:07,380 --> 00:18:04,809

is his first non-fiction book and he

426

00:18:09,030 --> 00:18:07,390

said one time he was stuck writing his

427

00:18:12,440 --> 00:18:09,040

book he couldn't he couldn't come up

428

00:18:14,940 --> 00:18:12,450

with a solution to one of the parts and

429

00:18:18,540 --> 00:18:14,950

then one day he woke up and he had the

430

00:18:20,940 --> 00:18:18,550

answer okay a lot of riders will say you

431

00:18:22,919 --> 00:18:20,950

know their muse gave them the answer or

432

00:18:24,900 --> 00:18:22,929

the universe gave them the answer or

433

00:18:26,669 --> 00:18:24,910

something like that well he'd been

434

00:18:30,840 --> 00:18:26,679

thinking about it for AI think he'd said

435

00:18:33,150 --> 00:18:30,850

six months so it was percula way

436

00:18:35,549 --> 00:18:33,160

percolating around down there in his

437

00:18:37,980 --> 00:18:35,559

brain not in some mystical place and

438

00:18:41,070 --> 00:18:37,990

finally came out but the other point he

439

00:18:45,120 --> 00:18:41,080

makes is that those ideas feel different

440

00:18:47,730 --> 00:18:45,130

because we don't have that that sense of

441

00:18:49,740 --> 00:18:47,740

effort that we have when we are

442

00:18:51,930 --> 00:18:49,750

consciously thinking about something and

443

00:18:55,290 --> 00:18:51,940

we solve the problem that feels

444

00:18:58,020 --> 00:18:55,300

different to us then when it feels like

445

00:19:00,720 --> 00:18:58,030

it popped out of nowhere and that's you

446

00:19:01,110 --> 00:19:00,730

know that gives us the the sense that it

447

00:19:03,510 --> 00:19:01,120

could

448

00:19:05,070 --> 00:19:03,520

from someplace mystical well you've

449

00:19:07,440 --> 00:19:05,080

heard the expression I'll sleep on it

450

00:19:08,910 --> 00:19:07,450

for exactly and in my own personal

451
00:19:11,850 --> 00:19:08,920
experience the number of times in my

452
00:19:14,010 --> 00:19:11,860
life my life I've actually dreamt the

453
00:19:17,430 --> 00:19:14,020
correct answer to a problem I was having

454
00:19:19,799 --> 00:19:17,440
at the time or the solution or something

455
00:19:21,720 --> 00:19:19,809
came to me in a dream but I'm fully

456
00:19:25,440 --> 00:19:21,730
aware is because my mind was working

457
00:19:27,420 --> 00:19:25,450
furiously on the problem but see you

458
00:19:28,950 --> 00:19:27,430
have to realize that that's your model

459
00:19:30,990 --> 00:19:28,960
of how it works and a lot of other

460
00:19:33,150 --> 00:19:31,000
people when that same answer they sleep

461
00:19:37,710 --> 00:19:33,160
on that same answer and their model of

462
00:19:40,470 --> 00:19:37,720
the world is that their muse or or

463
00:19:42,560 --> 00:19:40,480

whatever they call it God even some

464

00:19:46,020 --> 00:19:42,570

people think the answers come from God

465

00:19:47,370 --> 00:19:46,030

and that because you you can't tell with

466

00:19:50,510 --> 00:19:47,380

your conscious mind where it came from

467

00:19:52,650 --> 00:19:50,520

so you're your model of how it works is

468

00:19:55,980 --> 00:19:52,660

directly going to influence what you

469

00:19:57,510 --> 00:19:55,990

think happened I have a question regards

470

00:20:00,360 --> 00:19:57,520

to your own particular experience

471

00:20:01,410 --> 00:20:00,370

working in emergency wards one of the

472

00:20:05,280 --> 00:20:01,420

things that I've always been intrigued

473

00:20:06,840 --> 00:20:05,290

by people's attitude that if people have

474

00:20:09,120 --> 00:20:06,850

particular superstitious beliefs or

475

00:20:10,620 --> 00:20:09,130

particular tendencies yeah it can range

476

00:20:12,980 --> 00:20:10,630

from anything to all they're just

477

00:20:15,810 --> 00:20:12,990

mentally ill 20 they just eccentric

478

00:20:18,450 --> 00:20:15,820

within the emergency ward do you get

479

00:20:19,890 --> 00:20:18,460

occasional superstitions I mean people

480

00:20:21,450 --> 00:20:19,900

who are working there under obviously an

481

00:20:23,100 --> 00:20:21,460

immense stress they're highly qualified

482

00:20:24,690 --> 00:20:23,110

people they're dealing with snap

483

00:20:27,299 --> 00:20:24,700

decisions yeah things have to get done

484

00:20:31,310 --> 00:20:27,309

and yet I've heard that the q"-word

485

00:20:34,380 --> 00:20:31,320

cannot be mentioned some oh it's

486

00:20:35,790 --> 00:20:34,390

absolutely so quiet night if you say

487

00:20:38,550 --> 00:20:35,800

that boom everything

488

00:20:40,890 --> 00:20:38,560

there has been so many studies into

489

00:20:43,200 --> 00:20:40,900

whether or not all about him is going to

490

00:20:45,270 --> 00:20:43,210

the key word was quack so my key word is

491

00:20:47,190 --> 00:20:45,280

quiet something guys crying so they

492

00:20:49,740 --> 00:20:47,200

everything goes crazy no not the cracker

493

00:20:52,170 --> 00:20:49,750

but quiet it's a quiet night or even oh

494

00:20:55,140 --> 00:20:52,180

yeah even the idea of a full moon though

495

00:20:57,570 --> 00:20:55,150

and the these two things illustrate the

496

00:21:01,440 --> 00:20:57,580

fact that one of the ways our brains are

497

00:21:05,250 --> 00:21:01,450

wired is that they we overweight our own

498

00:21:08,670 --> 00:21:05,260

personal experience so as an emergency

499

00:21:11,250 --> 00:21:08,680

room doctor I've had many Oh night in

500

00:21:13,290 --> 00:21:11,260

which there really seemed to be a

501
00:21:14,850 --> 00:21:13,300
correspondence between the increased

502
00:21:18,440 --> 00:21:14,860
number of crazy people and the fact that

503
00:21:20,700 --> 00:21:18,450
it happened to be a full moon now I know

504
00:21:24,360 --> 00:21:20,710
logically that all the studies show

505
00:21:26,280 --> 00:21:24,370
that's not true yeah but it feels it

506
00:21:29,130 --> 00:21:26,290
feels that way hey Anna man definitely

507
00:21:31,110 --> 00:21:29,140
on the on the on the don't say quiet I

508
00:21:33,240 --> 00:21:31,120
mean that's not the only one but that's

509
00:21:36,210 --> 00:21:33,250
a good example I mean I have a friend

510
00:21:38,280 --> 00:21:36,220
who became a helicopter nurse because

511
00:21:43,440 --> 00:21:38,290
she enjoyed more excitement than the ER

512
00:21:47,430 --> 00:21:43,450
and um it's a sick helicopters is it now

513
00:21:48,570 --> 00:21:47,440

reaching and so she when she first

514

00:21:51,300 --> 00:21:48,580

started doing this she was still working

515

00:21:54,120 --> 00:21:51,310

in the ER and one of the things that the

516

00:21:58,260 --> 00:21:54,130

people that work on the helicopters are

517

00:22:00,180 --> 00:21:58,270

very good at is they're good at putting

518

00:22:02,520 --> 00:22:00,190

airways and intubating people when they

519

00:22:04,740 --> 00:22:02,530

are having trouble breathing and so one

520

00:22:07,410 --> 00:22:04,750

day she was about to go off duty at like

521

00:22:10,230 --> 00:22:07,420

five or six and she said something like

522

00:22:13,920 --> 00:22:10,240

I really wish we would have a code so i

523

00:22:16,110 --> 00:22:13,930

could intubate somebody oh and then i

524

00:22:18,360 --> 00:22:16,120

thought i couldn't believe it so surely

525

00:22:21,210 --> 00:22:18,370

uh you know what goes with the onus she

526

00:22:23,790 --> 00:22:21,220

leaves she leaves after she leaves

527

00:22:26,010 --> 00:22:23,800

that's what happens Wow well you see

528

00:22:27,540 --> 00:22:26,020

that sticks in your head you know you

529

00:22:29,610 --> 00:22:27,550

might know logically that there's no

530

00:22:31,700 --> 00:22:29,620

connection but you're remembering we

531

00:22:33,980 --> 00:22:31,710

still tease her about that

532

00:22:36,260 --> 00:22:33,990

and you remember the hits and you forget

533

00:22:37,669 --> 00:22:36,270

the messes as well exactly thing with

534

00:22:40,840 --> 00:22:37,679

rather full moon is I've had discussions

535

00:22:43,039 --> 00:22:40,850

with people and it's like telling them

536

00:22:45,080 --> 00:22:43,049

their mother was not their mother or

537

00:22:48,500 --> 00:22:45,090

something like that or the world is flat

538

00:22:51,350 --> 00:22:48,510

I mean people generally accept the fact

539

00:22:53,810 --> 00:22:51,360

the full moon brings out the crazy

540

00:22:56,210 --> 00:22:53,820

people and all sorts of hospitals and

541

00:22:58,039 --> 00:22:56,220

police go nuts on a full moon as its

542

00:22:59,870 --> 00:22:58,049

entrenched as a foreclosure to leave

543

00:23:01,700 --> 00:22:59,880

about there's another similar one

544

00:23:03,049 --> 00:23:01,710

amongst teachers that weep it's a windy

545

00:23:05,960 --> 00:23:03,059

day on the playground the kids are going

546

00:23:07,460 --> 00:23:05,970

to go crazy really yeah yeah the odds

547

00:23:09,350 --> 00:23:07,470

windy day at all the kids are going to

548

00:23:11,899 --> 00:23:09,360

be totally uncontrollable and so have

549

00:23:13,490 --> 00:23:11,909

you heard that one anybody must be in

550

00:23:15,710 --> 00:23:13,500

Australia might be an Australian one but

551

00:23:17,389 --> 00:23:15,720

I've had that one goes the other way in

552

00:23:19,279 --> 00:23:17,399

Australia maybe that's the head and all

553

00:23:21,080 --> 00:23:19,289

they could see a calm down wraps what's

554

00:23:22,460 --> 00:23:21,090

the one about ships taking off and if

555

00:23:24,710 --> 00:23:22,470

you see a priest or something it's bad

556

00:23:27,409 --> 00:23:24,720

luck yeah yeah there's all sorts of ones

557

00:23:29,240 --> 00:23:27,419

in across a variety of um yeah fields

558

00:23:31,430 --> 00:23:29,250

and that's why emergency handling and

559

00:23:33,860 --> 00:23:31,440

naughty mean in my hospital one of the

560

00:23:35,779 --> 00:23:33,870

hospitals i work at has its own ghost

561

00:23:39,049 --> 00:23:35,789

whose name I can't remember right now

562

00:23:41,570 --> 00:23:39,059

but enough to investigate he hasn't been

563

00:23:43,820 --> 00:23:41,580

seen recently so seeing I kisses wrong

564

00:23:45,620 --> 00:23:43,830

way you haven't seen him that no no

565

00:23:47,269 --> 00:23:45,630

nobody's seen him but you know what's

566

00:23:51,080 --> 00:23:47,279

the deal his but i can remember once

567

00:23:52,430 --> 00:23:51,090

about 15 years ago I work in a very

568

00:23:55,730 --> 00:23:52,440

small hospital that doesn't have them

569

00:23:58,340 --> 00:23:55,740

work so if somebody dies and you're

570

00:24:00,110 --> 00:23:58,350

waiting for the corner to come get their

571

00:24:02,659 --> 00:24:00,120

body it has to stay in the emergency

572

00:24:04,010 --> 00:24:02,669

room until they come and I was working

573

00:24:06,649 --> 00:24:04,020

with a nurse who was very superstitious

574

00:24:08,810 --> 00:24:06,659

and it was not it was very late at night

575

00:24:11,060 --> 00:24:08,820

so her and I were the only ones there

576

00:24:13,430 --> 00:24:11,070

she was very uncomfortable with the idea

577

00:24:15,230 --> 00:24:13,440

that that you know the patient's body

578

00:24:21,380 --> 00:24:15,240

was going to be down there with her

579

00:24:23,060 --> 00:24:21,390

alone until the till the no no I don't

580

00:24:24,980 --> 00:24:23,070

think that it wasn't a coroner this case

581

00:24:27,470 --> 00:24:24,990

it's just the funeral home came to get

582

00:24:29,600 --> 00:24:27,480

so yeah I mean obviously people working

583

00:24:31,850 --> 00:24:29,610

in the moon probably where more would be

584

00:24:34,039 --> 00:24:31,860

more prone to such superstitious yelling

585

00:24:39,200 --> 00:24:34,049

thinking just because we see such

586

00:24:40,310 --> 00:24:39,210

extremes of behavior yeah I was

587

00:24:43,340 --> 00:24:40,320

wondering this is something that was

588

00:24:44,720 --> 00:24:43,350

raised in another one of the pod science

589

00:24:45,529 --> 00:24:44,730

panels that have been going on there's

590

00:24:47,479 --> 00:24:45,539

been so many go

591

00:24:49,159 --> 00:24:47,489

on and I think if anyone else is

592

00:24:51,379 --> 00:24:49,169

interested in creating a show definitely

593

00:24:53,749 --> 00:24:51,389

draw upon the resources that we have

594

00:24:56,930 --> 00:24:53,759

here at at dragoncon with the Dragon Con

595

00:24:59,180 --> 00:24:56,940

a dragon pod track it was mentioned in

596

00:25:02,119 --> 00:24:59,190

one of the presentations a panel yawn

597

00:25:03,859 --> 00:25:02,129

issues with patients demanding certain

598

00:25:07,609 --> 00:25:03,869

treatments because they've seen it on

599

00:25:09,440 --> 00:25:07,619

television and I know that you had

600

00:25:10,969 --> 00:25:09,450

challenged that and said in fact it has

601
00:25:13,700 --> 00:25:10,979
allowed for a greater understanding of

602
00:25:16,669 --> 00:25:13,710
your job I was one if you might like to

603
00:25:18,589 --> 00:25:16,679
elaborate upon that yeah because I know

604
00:25:21,830 --> 00:25:18,599
most people probably was born at that

605
00:25:23,299 --> 00:25:21,840
panel yeah we the the subject of the

606
00:25:25,700 --> 00:25:23,309
show house came up because the other

607
00:25:27,200 --> 00:25:25,710
physicians yes the other physician on

608
00:25:29,899 --> 00:25:27,210
the panel is an infectious disease

609
00:25:32,180 --> 00:25:29,909
specialist and so they were kind of

610
00:25:38,479 --> 00:25:32,190
asking him about about house because

611
00:25:41,419 --> 00:25:38,489
house is I'm not going to go there we

612
00:25:44,499 --> 00:25:41,429
have I can edit this later yeah say what

613
00:25:48,680 --> 00:25:44,509

you like my husband loves the show I

614

00:25:50,089 --> 00:25:48,690

feel that you know we have enough public

615

00:25:51,979 --> 00:25:50,099

relations problems as it is without

616

00:25:55,399 --> 00:25:51,989

somebody with as bad of a bedside manner

617

00:25:58,729 --> 00:25:55,409

as him sensationalized but what I said

618

00:26:01,159 --> 00:25:58,739

was er when ER and ER has been out 11 or

619

00:26:03,739 --> 00:26:01,169

12 years and I've been an ER doctor

620

00:26:05,810 --> 00:26:03,749

since 1992 so that does a little bit

621

00:26:09,080 --> 00:26:05,820

further back and I remember when ER came

622

00:26:10,789 --> 00:26:09,090

out I was afraid that the people were

623

00:26:14,479 --> 00:26:10,799

going to start coming into the ER and

624

00:26:16,430 --> 00:26:14,489

asked me um well no I was afraid that

625

00:26:20,210 --> 00:26:16,440

they were going to come in and expect to

626

00:26:22,070 --> 00:26:20,220

be diagnosed in five minutes because

627

00:26:23,509 --> 00:26:22,080

everything happens so fast on that show

628

00:26:25,039 --> 00:26:23,519

and if you've ever really been to a real

629

00:26:30,259 --> 00:26:25,049

er you know everything happens really

630

00:26:31,820 --> 00:26:30,269

really slowly triage and so that's what

631

00:26:33,049 --> 00:26:31,830

I was afraid of that was people were

632

00:26:35,389 --> 00:26:33,059

going to happen where people were going

633

00:26:37,789 --> 00:26:35,399

to have unrealistic expectations about

634

00:26:38,899 --> 00:26:37,799

how the system was going to work but

635

00:26:42,879 --> 00:26:38,909

that isn't what happened what happened

636

00:26:45,139 --> 00:26:42,889

was that before that people are

637

00:26:48,859 --> 00:26:45,149

emergency medicine is a relatively young

638

00:26:51,169 --> 00:26:48,869

specialty and in the old days IE the 60s

639

00:26:53,989 --> 00:26:51,179

and 70s if you went to the emergency

640

00:26:55,430 --> 00:26:53,999

room you would see a resident who is

641

00:26:57,710 --> 00:26:55,440

still in training who was moonlighting

642

00:26:59,900 --> 00:26:57,720

to make some money and so people would

643

00:27:01,700 --> 00:26:59,910

and they would think they would ask me

644

00:27:03,560 --> 00:27:01,710

things like well you know what are you

645

00:27:05,240 --> 00:27:03,570

gonna be when you grow up I think I've

646

00:27:07,280 --> 00:27:05,250

gotten old enough that they don't look

647

00:27:09,500 --> 00:27:07,290

like someone that's ever you know but

648

00:27:11,410 --> 00:27:09,510

but when I was younger that was and that

649

00:27:15,560 --> 00:27:11,420

was very you know annoying since I was

650

00:27:17,360 --> 00:27:15,570

finished with my training so that's what

651
00:27:18,800 --> 00:27:17,370
I meant was now people understand that

652
00:27:21,400 --> 00:27:18,810
emergency medicine is an actual

653
00:27:24,920 --> 00:27:21,410
specialty and they come in and so

654
00:27:28,040 --> 00:27:24,930
surprisingly I think er has made people

655
00:27:29,660 --> 00:27:28,050
have more confidence in what happens to

656
00:27:32,290 --> 00:27:29,670
them I mean we have people come in and

657
00:27:34,940 --> 00:27:32,300
say that they've come to see us because

658
00:27:36,620 --> 00:27:34,950
they feel we will do a better job than

659
00:27:39,470 --> 00:27:36,630
their own doctor and that's kind of sad

660
00:27:42,560 --> 00:27:39,480
oh but it's a reflection of the fact

661
00:27:45,520 --> 00:27:42,570
that in America anyway physicians are so

662
00:27:48,350 --> 00:27:45,530
the insurance companies are squeezing

663
00:27:51,260 --> 00:27:48,360

the physicians so tightly that they in

664

00:27:52,700 --> 00:27:51,270

order to just keep their income even are

665

00:27:54,560 --> 00:27:52,710

trying to squeeze more and more people

666

00:27:56,330 --> 00:27:54,570

into the schedule any of you have been

667

00:27:58,190 --> 00:27:56,340

to the doctor you know how it is you it

668

00:28:00,620 --> 00:27:58,200

feels like he's been there 30 seconds

669

00:28:02,150 --> 00:28:00,630

and he's gone and the reason for that

670

00:28:03,260 --> 00:28:02,160

and every and if you try to get an

671

00:28:04,490 --> 00:28:03,270

appointment because you're sick you

672

00:28:07,010 --> 00:28:04,500

can't get one for two weeks because

673

00:28:08,540 --> 00:28:07,020

they're all booked up and that's because

674

00:28:12,740 --> 00:28:08,550

they've already got their schedule

675

00:28:14,810 --> 00:28:12,750

totally overbooked to try to make up the

676

00:28:17,510 --> 00:28:14,820

difference for if you ever look at your

677

00:28:19,460 --> 00:28:17,520

insurance statement notice what the

678

00:28:22,400 --> 00:28:19,470

doctor actually gets paid compared to

679

00:28:24,380 --> 00:28:22,410

what it says that they build so and Blue

680

00:28:27,950 --> 00:28:24,390

Cross Blue Cross assists to arbitrarily

681

00:28:29,210 --> 00:28:27,960

decide that amount okay so so basically

682

00:28:30,980 --> 00:28:29,220

when someone comes to see me in the

683

00:28:32,330 --> 00:28:30,990

mergency room I could have spend more

684

00:28:34,340 --> 00:28:32,340

time with them then they get to spend

685

00:28:37,460 --> 00:28:34,350

with their own doctor and so they will

686

00:28:41,720 --> 00:28:37,470

come that he will come to us for it

687

00:28:43,730 --> 00:28:41,730

second opinion which is sort of sad and

688

00:28:46,820 --> 00:28:43,740

also disturbing since it's really not

689

00:28:48,170 --> 00:28:46,830

what we do yeah I always hope that when

690

00:28:52,010 --> 00:28:48,180

I went to hospital I'd get Hawkeye

691

00:28:54,230 --> 00:28:52,020

Pierce actually I found it quite

692

00:28:57,320 --> 00:28:54,240

interesting when Alan Alda did a series

693

00:29:00,740 --> 00:28:57,330

called a scientific american frontiers

694

00:29:02,900 --> 00:29:00,750

and he was in an operating situation

695

00:29:05,110 --> 00:29:02,910

anything oh is that what you do oh and

696

00:29:07,450 --> 00:29:05,120

like he had no clue

697

00:29:08,920 --> 00:29:07,460

how can this be you know I so entrenched

698

00:29:11,770 --> 00:29:08,930

by the fact that Hawkeye Pierce was a

699

00:29:15,040 --> 00:29:11,780

great surgeon Hawkeye Pierce was

700

00:29:18,250 --> 00:29:15,050

definitely a i i graduated from medical

701
00:29:20,380 --> 00:29:18,260
school in 1984 so back then mash was

702
00:29:23,049 --> 00:29:20,390
constantly being shown in reruns and it

703
00:29:25,000 --> 00:29:23,059
was like a thing everybody watched every

704
00:29:26,770 --> 00:29:25,010
day it was a total inspiration to the

705
00:29:29,680 --> 00:29:26,780
people of my generation of doctors for

706
00:29:31,600 --> 00:29:29,690
sure and probably in an influence on my

707
00:29:33,730 --> 00:29:31,610
wanting to be an emergency room doctors

708
00:29:35,440 --> 00:29:33,740
great well thank you to Alan Alda and

709
00:29:39,190 --> 00:29:35,450
thank you to ginger Campbell for being

710
00:29:42,610 --> 00:29:39,200
our first guest this afternoon well we'd

711
00:29:48,130 --> 00:29:42,620
like to present you with the great

712
00:29:49,930 --> 00:29:48,140
skeptical cd2 this is 5,000 pages 23 years

713
00:29:54,700 --> 00:29:49,940

of our journal fully searchable thank

714

00:30:02,310 --> 00:29:54,710

you very much I wanted a t-shirt we can

715

00:30:08,470 --> 00:30:05,710

this is brian dunning from sceptile calm

716

00:30:10,300 --> 00:30:08,480

skep tide is a short weekly podcast

717

00:30:12,670 --> 00:30:10,310

taking a critical look at the

718

00:30:15,040 --> 00:30:12,680

pseudo-sciences that infect popular

719

00:30:17,800 --> 00:30:15,050

culture whenever I'm not locked in the

720

00:30:24,940 --> 00:30:17,810

recording studio I'm listening to the

721

00:30:30,720 --> 00:30:24,950

skeptic zone now it's time for dr.

722

00:30:34,870 --> 00:30:32,950

alright hello everyone and welcome to

723

00:30:37,090 --> 00:30:34,880

the first installment of dr. Rachel

724

00:30:39,700 --> 00:30:37,100

reports and this will be a short medical

725

00:30:41,560 --> 00:30:39,710

based segment where I report on medical

726

00:30:42,940 --> 00:30:41,570

issues alternative medicine or health

727

00:30:45,460 --> 00:30:42,950

care products that may have caught my

728

00:30:47,860 --> 00:30:45,470

interest and today I want to talk to you

729

00:30:50,680 --> 00:30:47,870

about one of my bug bears live Blood

730

00:30:52,180 --> 00:30:50,690

imaging or live blood analysis some of

731

00:30:54,640 --> 00:30:52,190

you may have heard of this the concept

732

00:30:56,860 --> 00:30:54,650

is quite simple your finger is pricked a

733

00:30:58,210 --> 00:30:56,870

drop of blood placed on a slide and then

734

00:31:00,360 --> 00:30:58,220

viewed on a microscope which is

735

00:31:02,350 --> 00:31:00,370

projected onto a computer monitor and

736

00:31:03,850 --> 00:31:02,360

practitioners claim to be able to make

737

00:31:06,010 --> 00:31:03,860

judgments from the shape of your blood

738

00:31:08,020 --> 00:31:06,020

cells and the contents of your blood

739

00:31:09,610 --> 00:31:08,030

about the state of your health they

740

00:31:11,980 --> 00:31:09,620

claim to see all manner of things from

741

00:31:14,280 --> 00:31:11,990

bacterial fungal and viral infections

742

00:31:17,470 --> 00:31:14,290

increased acidity in the blood

743

00:31:20,200 --> 00:31:17,480

undigested proteins and fats evidence of

744

00:31:23,050 --> 00:31:20,210

hormonal imbalances and as a rescue otic

745

00:31:25,510 --> 00:31:23,060

plug which is all part of a scheme to

746

00:31:27,340 --> 00:31:25,520

sell you their magic potion commonly in

747

00:31:29,290 --> 00:31:27,350

the form of overpriced vitamin powders

748

00:31:31,060 --> 00:31:29,300

or supplements and I think even

749

00:31:32,950 --> 00:31:31,070

Wikipedia got it right this time with

750

00:31:35,830 --> 00:31:32,960

their description of life blood analysis

751
00:31:38,230 --> 00:31:35,840
as an unestablished diagnostic test

752
00:31:40,210 --> 00:31:38,240
promoted by some alternative medical

753
00:31:42,730 --> 00:31:40,220
practitioners who assert it can diagnose

754
00:31:44,380 --> 00:31:42,740
a range of diseases there is no

755
00:31:46,330 --> 00:31:44,390
scientific evidence that life blood

756
00:31:48,580 --> 00:31:46,340
analysis can detect any disease state

757
00:31:49,600 --> 00:31:48,590
and it has been described by an expert

758
00:31:52,720 --> 00:31:49,610
on complementary and alternative

759
00:31:54,610 --> 00:31:52,730
medicine as a fraudulent means of

760
00:31:56,380 --> 00:31:54,620
convincing a patient they are ill and

761
00:31:59,110 --> 00:31:56,390
require treatment with dietary

762
00:32:01,450 --> 00:31:59,120
supplements and this quote comes from

763
00:32:03,340 --> 00:32:01,460

Ed's odd Ernst who is the world's first

764

00:32:04,930 --> 00:32:03,350

professor of complementary medicine at

765

00:32:06,320 --> 00:32:04,940

the University of Exeter and the

766

00:32:08,779 --> 00:32:06,330

university of plymouth in the

767

00:32:10,639 --> 00:32:08,789

UK who recently published the book trick

768

00:32:13,100 --> 00:32:10,649

or treatment with uk-based science

769

00:32:17,570 --> 00:32:13,110

writer Simon Singh so he knows his stuff

770

00:32:19,880 --> 00:32:17,580

so how does it work or not work well

771

00:32:21,860 --> 00:32:19,890

life blood analysis practitioners refer

772

00:32:23,930 --> 00:32:21,870

to these microscopy images of your blood

773

00:32:26,180 --> 00:32:23,940

and then they try to find a match to

774

00:32:28,220 --> 00:32:26,190

your sample and then loudly proclaim

775

00:32:31,580 --> 00:32:28,230

they have a cure for you usually in the

776

00:32:33,169 --> 00:32:31,590

form of these expensive supplements now

777

00:32:36,289 --> 00:32:33,179

some of the diseases they claim they can

778

00:32:37,850 --> 00:32:36,299

treat are generally unrelated some of

779

00:32:39,919 --> 00:32:37,860

the more interesting ones i came across

780

00:32:42,379 --> 00:32:39,929

when i was doing some research for this

781

00:32:45,409 --> 00:32:42,389

include free radical damage to the blood

782

00:32:46,850 --> 00:32:45,419

cells undigested proteins and fats as i

783

00:32:49,940 --> 00:32:46,860

just mentioned but this is not an

784

00:32:51,950 --> 00:32:49,950

illness evidence of smoking now this is

785

00:32:53,779 --> 00:32:51,960

interesting because damn I had no idea I

786

00:32:56,960 --> 00:32:53,789

was a smoker until you did my life blood

787

00:32:59,240 --> 00:32:56,970

analysis alcohol well just alcohol do

788

00:33:02,450 --> 00:32:59,250

you mean too little too much god I could

789

00:33:03,649 --> 00:33:02,460

use a drink right now stress now after I

790

00:33:05,870 --> 00:33:03,659

skoura dick clark caught my interest

791

00:33:08,960 --> 00:33:05,880

because some i work in heart disease

792

00:33:10,370 --> 00:33:08,970

research and nobody told me we've spent

793

00:33:11,990 --> 00:33:10,380

decades looking for blood-borne

794

00:33:14,419 --> 00:33:12,000

biological markers that could indicate

795

00:33:17,240 --> 00:33:14,429

the presence of plugs and i had no idea

796

00:33:20,180 --> 00:33:17,250

that existed so obviously i'm wasting my

797

00:33:23,200 --> 00:33:20,190

time now prices vary for a consultation

798

00:33:26,120 --> 00:33:23,210

and the most expensive i came across was

799

00:33:28,190 --> 00:33:26,130

375 US dollars for the initial music and

800

00:33:29,450 --> 00:33:28,200

then a hundred and seventy five dollars

801
00:33:32,870 --> 00:33:29,460
for the follow up to see if the

802
00:33:35,330 --> 00:33:32,880
treatments worked now here's the trick

803
00:33:37,129 --> 00:33:35,340
with alternative medicine peddlers they

804
00:33:38,720 --> 00:33:37,139
will pepper their spell with scientific

805
00:33:40,789 --> 00:33:38,730
sounding words to make their claims

806
00:33:42,049 --> 00:33:40,799
appear more credible now I'm going to go

807
00:33:44,600 --> 00:33:42,059
into this a little bit more in a minute

808
00:33:47,210 --> 00:33:44,610
but Brian Dunning talks about this as a

809
00:33:49,430 --> 00:33:47,220
red flag in his fantastic presentation

810
00:33:51,500 --> 00:33:49,440
here be dragons which is an introduction

811
00:33:54,350 --> 00:33:51,510
to critical thinking and if you search

812
00:33:56,830 --> 00:33:54,360
youtube or go to skip toy com you'll

813
00:33:59,000 --> 00:33:56,840

find this some video from Brian Dunning

814

00:34:01,430 --> 00:33:59,010

but here the classic piece of what I

815

00:34:05,480 --> 00:34:01,440

mean with peppering the scientific

816

00:34:08,450 --> 00:34:05,490

jargon drawn from a random website so

817

00:34:11,089 --> 00:34:08,460

for our life blood cell analysis dr. Joe

818

00:34:13,669 --> 00:34:11,099

Bloggs not doctors real name uses a

819

00:34:16,010 --> 00:34:13,679

sophisticated microscope called an rtm

820

00:34:16,730 --> 00:34:16,020

which is the Richardson technology

821

00:34:21,139 --> 00:34:16,740

microscope

822

00:34:24,109 --> 00:34:21,149

in places like the script center and the

823

00:34:25,609 --> 00:34:24,119

Pasteur Institute in France and is the

824

00:34:28,609 --> 00:34:25,619

only one available in the world to be

825

00:34:30,129 --> 00:34:28,619

used for life blood cell analysis now

826

00:34:32,480 --> 00:34:30,139

I'm sure this is probably true

827

00:34:34,909 --> 00:34:32,490

Richardson technology microscope are

828

00:34:37,159 --> 00:34:34,919

legitimate microscope manufacturers and

829

00:34:39,770 --> 00:34:37,169

also dark field microscopy is a valid

830

00:34:40,940 --> 00:34:39,780

scientific tool but that doesn't mean

831

00:34:42,889 --> 00:34:40,950

that they are being used for real

832

00:34:45,169 --> 00:34:42,899

science in this case in fact I have a

833

00:34:47,450 --> 00:34:45,179

microscope in my house it sits on my

834

00:34:48,980 --> 00:34:47,460

bookshelf and look sciency perhaps I

835

00:34:51,320 --> 00:34:48,990

need to assign put a sign on my

836

00:34:53,389 --> 00:34:51,330

letterbox saying all microscope upstairs

837

00:34:55,940 --> 00:34:53,399

scientific stuff whoo only a hundred

838

00:34:58,640 --> 00:34:55,950

dollars to see it and here's another

839

00:35:00,890 --> 00:34:58,650

classic red flag search any of these

840

00:35:03,500 --> 00:35:00,900

sites and life blood analysis is not the

841

00:35:05,000 --> 00:35:03,510

only culprit here you'll find dozens and

842

00:35:07,550 --> 00:35:05,010

dozens of testimonials from satisfied

843

00:35:10,040 --> 00:35:07,560

customers now this is very common

844

00:35:12,160 --> 00:35:10,050

practice by we practitioners but

845

00:35:14,540 --> 00:35:12,170

testimonials do not constitute evidence

846

00:35:16,040 --> 00:35:14,550

the most obvious thing that comes to my

847

00:35:17,690 --> 00:35:16,050

mind is how do you know they are real

848

00:35:19,910 --> 00:35:17,700

couldn't they have easily been written

849

00:35:22,400 --> 00:35:19,920

by the person themselves or their wife

850

00:35:24,470 --> 00:35:22,410

or their daughter or randomly generated

851

00:35:26,740 --> 00:35:24,480

from a website like testimonials for

852

00:35:28,849 --> 00:35:26,750

quacks calm not a real website and

853

00:35:30,620 --> 00:35:28,859

unfortunately Australia is not immune

854

00:35:32,270 --> 00:35:30,630

Richard Saunders and myself went

855

00:35:34,130 --> 00:35:32,280

undercover to the mind-body wallet

856

00:35:35,960 --> 00:35:34,140

festival in Sydney earlier this year and

857

00:35:39,440 --> 00:35:35,970

spoke with the life blood analysis

858

00:35:40,970 --> 00:35:39,450

proponent now I should explain that I am

859

00:35:44,030 --> 00:35:40,980

a cell biologist I work in heart disease

860

00:35:45,980 --> 00:35:44,040

research I have eight years of education

861

00:35:48,470 --> 00:35:45,990

with a PhD from the University of Sydney

862

00:35:50,990 --> 00:35:48,480

so I'm pretty familiar with physiology

863

00:35:52,940 --> 00:35:51,000

and scientific terminology Richard on

864

00:35:54,380 --> 00:35:52,950

the other hand is a science junkie and a

865

00:35:56,030 --> 00:35:54,390

member of our cheer squad but

866

00:35:58,190 --> 00:35:56,040

essentially alignment with respect to

867

00:36:01,340 --> 00:35:58,200

jargon and of course they use this to

868

00:36:03,590 --> 00:36:01,350

their advantage and as her explanation

869

00:36:05,420 --> 00:36:03,600

progressed I noticed a patterning a

870

00:36:07,820 --> 00:36:05,430

pattern of this peppering with misplaced

871

00:36:09,440 --> 00:36:07,830

scientific jargon almost as if she'd put

872

00:36:11,870 --> 00:36:09,450

a whole lot of scientific words in a hat

873

00:36:15,470 --> 00:36:11,880

and pulled them out at random and at one

874

00:36:17,750 --> 00:36:15,480

point she pulled our sod now sod is an

875

00:36:20,450 --> 00:36:17,760

enzyme that I'm quite familiar with

876

00:36:22,370 --> 00:36:20,460

and in fact I wrote a section in my face

877

00:36:26,090 --> 00:36:22,380

is on side and it's an abbreviation for

878

00:36:28,550 --> 00:36:26,100

superoxide dismutase it's an enzyme an

879

00:36:31,130 --> 00:36:28,560

antioxidant enzyme which detoxifies free

880

00:36:33,380 --> 00:36:31,140

radicals so when I asked her to explain

881

00:36:36,290 --> 00:36:33,390

this further I remember her explanation

882

00:36:38,240 --> 00:36:36,300

quite well she said oh it's super Disney

883

00:36:42,200 --> 00:36:38,250

tase ox oh I can't remember it's been a

884

00:36:44,360 --> 00:36:42,210

long day hmm so now why the hell was she

885

00:36:46,640 --> 00:36:44,370

dropping sod into a sales pitch for very

886

00:36:49,310 --> 00:36:46,650

expensive green barley powder escapes me

887

00:36:51,770 --> 00:36:49,320

but probably for that reason there was

888

00:36:53,480 --> 00:36:51,780

no context she just she also tried to

889

00:36:55,970 --> 00:36:53,490

convince us that the shape of your blood

890

00:36:57,950 --> 00:36:55,980

cells on the slide could indicate if you

891

00:37:00,170 --> 00:36:57,960

had the correct ratio of magnesium to

892

00:37:02,000 --> 00:37:00,180

calcium in your body she told us that

893

00:37:03,710 --> 00:37:02,010

the cloudy feeling you sometimes get in

894

00:37:05,780 --> 00:37:03,720

the mornings as a result of an imbalance

895

00:37:08,630 --> 00:37:05,790

in this ratio but of course their

896

00:37:10,310 --> 00:37:08,640

special powder will fix all that I had

897

00:37:11,960 --> 00:37:10,320

previously attributed the cloudy filling

898

00:37:13,520 --> 00:37:11,970

in my head to all the champagne urgh

899

00:37:17,480 --> 00:37:13,530

seemed the night before but I'm willing

900

00:37:19,310 --> 00:37:17,490

to accept that an added debrif beer in

901
00:37:20,660 --> 00:37:19,320
Chinatown afterwards I asked Richard

902
00:37:22,730 --> 00:37:20,670
what he had made of her still and he

903
00:37:24,050 --> 00:37:22,740
agreed it sounded pretty impressive he

904
00:37:25,880 --> 00:37:24,060
didn't answer to understand all the

905
00:37:28,130 --> 00:37:25,890
scientific jargon but that made it sound

906
00:37:30,290 --> 00:37:28,140
even more legit and this is deceitful to

907
00:37:31,940 --> 00:37:30,300
say the least so if you're still unsure

908
00:37:34,100 --> 00:37:31,950
as to the efficacy of live blood

909
00:37:36,230 --> 00:37:34,110
analysis check the fine print and

910
00:37:38,480 --> 00:37:36,240
sometimes the not so fine print on the

911
00:37:41,660 --> 00:37:38,490
websites of practitioners hits when i

912
00:37:44,510 --> 00:37:41,670
came across during my research dr blogs

913
00:37:46,430 --> 00:37:44,520

does not diagnose prescribe or cure he

914

00:37:48,620 --> 00:37:46,440

simply observed the living tissue in

915

00:37:50,720 --> 00:37:48,630

your body makes recommendations about

916

00:37:53,780 --> 00:37:50,730

lifestyle and gives the body what it

917

00:37:55,840 --> 00:37:53,790

needs to heal itself and this statement

918

00:37:57,830 --> 00:37:55,850

appeared in bold type on the homepage

919

00:38:00,650 --> 00:37:57,840

nothing on this site should be construed

920

00:38:03,230 --> 00:38:00,660

as medical advice seek the services of

921

00:38:05,120 --> 00:38:03,240

your physician for medical advice so

922

00:38:07,460 --> 00:38:05,130

that's pretty convincing that i don't

923

00:38:09,830 --> 00:38:07,470

think these treatments doing much and on

924

00:38:11,540 --> 00:38:09,840

top of that there are ongoing regulatory

925

00:38:13,820 --> 00:38:11,550

issues surrounding life blood analysis

926

00:38:17,090 --> 00:38:13,830

with unaccredited labs in the united

927

00:38:18,530 --> 00:38:17,100

states conducting the procedure in 1996

928

00:38:19,910 --> 00:38:18,540

the pennsylvanian department of

929

00:38:22,220 --> 00:38:19,920

laboratories informed three

930

00:38:23,900 --> 00:38:22,230

pennsylvanian chiropractors that what

931

00:38:25,760 --> 00:38:23,910

they refer to as nutritional blood

932

00:38:27,950 --> 00:38:25,770

analysis could not be used for

933

00:38:30,150 --> 00:38:27,960

diagnostic purposes unless they maintain

934

00:38:32,579 --> 00:38:30,160

a laboratory that has both state

935

00:38:35,309 --> 00:38:32,589

federal certification and in fact their

936

00:38:38,400 --> 00:38:35,319

laboratories weren't accredited on top

937

00:38:40,020 --> 00:38:38,410

of this as way back as the mid-1980s the

938

00:38:42,180 --> 00:38:40,030

National Council against health fraud

939

00:38:44,510 --> 00:38:42,190

watched three practitioners demonstrate

940

00:38:47,069 --> 00:38:44,520

live cell analysis at health expositions

941

00:38:49,559 --> 00:38:47,079

the gentleman that observed this noted

942

00:38:51,240 --> 00:38:49,569

that none took precautions during the

943

00:38:53,240 --> 00:38:51,250

preparation of the slides to prevent the

944

00:38:55,529 --> 00:38:53,250

blood from drying out or clotting

945

00:38:57,089 --> 00:38:55,539

secondly they failed to clean their

946

00:38:59,279 --> 00:38:57,099

microscope slides carefully between

947

00:39:00,720 --> 00:38:59,289

patients which meant that dirt seen

948

00:39:02,900 --> 00:39:00,730

under the microscope could be

949

00:39:05,039 --> 00:39:02,910

misinterpreted as blood components and

950

00:39:07,529 --> 00:39:05,049

some of the patterns one practitioner

951
00:39:09,990 --> 00:39:07,539
saw resulted from his microscope being

952
00:39:14,160 --> 00:39:10,000
out of focus and disappeared when it was

953
00:39:16,829 --> 00:39:14,170
adjusted properly in addition to this in

954
00:39:18,930 --> 00:39:16,839
Australia in April 2008 a naturopathic

955
00:39:22,200 --> 00:39:18,940
practice live blood analysis was banned

956
00:39:23,849 --> 00:39:22,210
for life following multiple charges for

957
00:39:27,029 --> 00:39:23,859
advertisements which contravene the fair

958
00:39:29,339 --> 00:39:27,039
trading act and in 2007 he was acquitted

959
00:39:31,740 --> 00:39:29,349
of manslaughter after 37 year old man

960
00:39:33,539 --> 00:39:31,750
with chronic kidney disease died after

961
00:39:36,539 --> 00:39:33,549
suspending his conventional treatment to

962
00:39:38,460 --> 00:39:36,549
follow the natural pat's regimen so

963
00:39:40,260 --> 00:39:38,470

essentially live blood analysis is a

964

00:39:42,390 --> 00:39:40,270

front for selling you some expensive

965

00:39:44,190 --> 00:39:42,400

cocktail of herbs or vitamins in

966

00:39:45,990 --> 00:39:44,200

Australia the test costs about one

967

00:39:48,269 --> 00:39:46,000

hundred and fifty dollars but then the

968

00:39:50,160 --> 00:39:48,279

potions are much more in some cases one

969

00:39:52,470 --> 00:39:50,170

hundred and five dollars per kilo for

970

00:39:54,240 --> 00:39:52,480

green barley powder and of course you

971

00:39:56,279 --> 00:39:54,250

are not cured with just one course this

972

00:39:58,019 --> 00:39:56,289

is a repeat business venture and you

973

00:40:01,140 --> 00:39:58,029

need to return for a follow-up visit to

974

00:40:02,700 --> 00:40:01,150

demonstrate that you are cured I have

975

00:40:04,920 --> 00:40:02,710

recently discovered the existence of

976

00:40:07,289 --> 00:40:04,930

dead cell analysis and hair mineral

977

00:40:20,910 --> 00:40:07,299

analysis too but that's another time for

978

00:40:26,460 --> 00:40:22,950

the first time that I had an opportunity

979

00:40:28,350 --> 00:40:26,470

to wear a stop Sylvia Browne t-shirt was

980

00:40:30,320 --> 00:40:28,360

that the Australian skeptics national

981

00:40:33,960 --> 00:40:30,330

convention held in Melbourne back in

982

00:40:36,270 --> 00:40:33,970

2006 this year I was stopped Sylvia

983

00:40:38,190 --> 00:40:36,280

Browne t-shirt again but this time it

984

00:40:39,900 --> 00:40:38,200

was at dragoncon when I was presenting

985

00:40:42,540 --> 00:40:39,910

along with other members of the skeptic

986

00:40:44,670 --> 00:40:42,550

sire this time however it wasn't that

987

00:40:47,310 --> 00:40:44,680

the site had been launched it was about

988

00:40:49,620 --> 00:40:47,320

how the site's creator Robert Lancaster

989

00:40:52,050 --> 00:40:49,630

had just suffered a stroke and was going

990

00:40:54,420 --> 00:40:52,060

through recovery in order to help with

991

00:40:57,180 --> 00:40:54,430

the financial costs of recovering from a

992

00:41:00,020 --> 00:40:57,190

stroke the friends of robert lancaster

993

00:41:02,910 --> 00:41:00,030

have made a site skeptics unite com

994

00:41:05,580 --> 00:41:02,920

where they will be selling pens fridge

995

00:41:08,040 --> 00:41:05,590

magnets caps and even shirts like mine

996

00:41:10,380 --> 00:41:08,050

the stop Sylvia Browne logo will be

997

00:41:12,420 --> 00:41:10,390

featured along with another special

998

00:41:14,400 --> 00:41:12,430

little character the J ref origami

999

00:41:17,850 --> 00:41:14,410

Pegasus which was created by our very

1000

00:41:20,520 --> 00:41:17,860

own Richard Saunders to help Robert

1001
00:41:32,740 --> 00:41:20,530
Lancaster continue to stop Sylvia Browne

1002
00:41:42,690 --> 00:41:36,109
join us now for drinking skeptically in

1003
00:41:45,930 --> 00:41:44,310
well thank you did you will ship for

1004
00:41:47,970 --> 00:41:45,940
that lovely announcement into the think

1005
00:41:49,800 --> 00:41:47,980
tank and here we are again back in our

1006
00:41:51,180 --> 00:41:49,810
favorite Club and that funny noise you

1007
00:41:55,290 --> 00:41:51,190
can hear in the background is actually a

1008
00:41:57,060 --> 00:41:55,300
mahjong contest yes the room is full of

1009
00:41:59,490 --> 00:41:57,070
people doing mahjong it's quite strange

1010
00:42:02,430 --> 00:41:59,500
I'm here with dr. Rachel done well hello

1011
00:42:04,050 --> 00:42:02,440
Richard and amanda rose okay and my

1012
00:42:06,089 --> 00:42:04,060
koala hand thank you for having it

1013
00:42:07,859 --> 00:42:06,099

excellent we're here of course in the

1014

00:42:10,530 --> 00:42:07,869

think tank and we're going to do some

1015

00:42:16,440 --> 00:42:10,540

thinking and drinking cheers cheers

1016

00:42:19,589 --> 00:42:16,450

Cheers don't spill any on the microphone

1017

00:42:23,579 --> 00:42:19,599

that's all for us try not to mention

1018

00:42:25,559 --> 00:42:23,589

now Rachel I see you're eager you are

1019

00:42:29,640 --> 00:42:25,569

eager there with your note your notes in

1020

00:42:31,950 --> 00:42:29,650

your hand the Jewish community in on the

1021

00:42:34,769 --> 00:42:31,960

North Shore in Sydney have applied to

1022

00:42:39,390 --> 00:42:34,779

build what they call a roof which is a

1023

00:42:41,819 --> 00:42:39,400

virtual wall instant is a suburb of a

1024

00:42:43,259 --> 00:42:41,829

northern but connacher because

1025

00:42:45,029 --> 00:42:43,269

apparently under Jewish law it's

1026
00:42:47,249 --> 00:42:45,039
forbidden to push or carry objects

1027
00:42:51,299 --> 00:42:47,259
beyond the private home on the Sabbath

1028
00:42:53,729 --> 00:42:51,309
day and during Holi festival is so this

1029
00:42:55,440 --> 00:42:53,739
means that parents are often able to

1030
00:42:56,550 --> 00:42:55,450
make up push their babies around in

1031
00:42:58,870 --> 00:42:56,560
France

1032
00:43:01,910 --> 00:42:58,880
if I have elderly

1033
00:43:04,070 --> 00:43:01,920
or disabled relatives they can't push

1034
00:43:06,290 --> 00:43:04,080
them in wheelchairs either so by

1035
00:43:07,970 --> 00:43:06,300
building this virtual wall this will

1036
00:43:10,040 --> 00:43:07,980
give them an area outside of which they

1037
00:43:11,750 --> 00:43:10,050
are allowed to push them this is

1038
00:43:13,160 --> 00:43:11,760

reported in today's paper this is

1039

00:43:16,460 --> 00:43:13,170

reported in The Sydney Morning Herald

1040

00:43:18,890 --> 00:43:16,470

last week all right okay so in fact

1041

00:43:23,180 --> 00:43:18,900

there is already a partly constructed a

1042

00:43:25,460 --> 00:43:23,190

roof in rats and eyes but what they want

1043

00:43:27,770 --> 00:43:25,470

to do is just use currently existing

1044

00:43:31,160 --> 00:43:27,780

telegraph poles and cables and then just

1045

00:43:33,650 --> 00:43:31,170

string wire between them to D mark the

1046

00:43:36,550 --> 00:43:33,660

area so they've put in a development

1047

00:43:39,020 --> 00:43:36,560

application and not surprisingly the

1048

00:43:41,360 --> 00:43:39,030

science relevant residents are not

1049

00:43:43,340 --> 00:43:41,370

particularly happy about this so

1050

00:43:45,290 --> 00:43:43,350

that hasn't been approved at this point

1051
00:43:46,640 --> 00:43:45,300
but some of the residents believe it

1052
00:43:49,340 --> 00:43:46,650
will block their views and create a

1053
00:43:51,110 --> 00:43:49,350
Jewish ghetto it's a good candy I don't

1054
00:43:52,970 --> 00:43:51,120
know what to say about it that's a very

1055
00:43:55,100 --> 00:43:52,980
strange honor hmm I've not heard this

1056
00:43:56,300 --> 00:43:55,110
before I do mean I mean I really didn't

1057
00:43:57,590 --> 00:43:56,310
know that you weren't allowed to push

1058
00:43:59,300 --> 00:43:57,600
things on the Sabbath but I didn't

1059
00:44:02,150 --> 00:43:59,310
realize that you could get around that

1060
00:44:08,060 --> 00:44:02,160
law by building on a roof they're worth

1061
00:44:11,600 --> 00:44:08,070
adults yeah me too Apollo in both the

1062
00:44:16,220 --> 00:44:11,610
giver comments rather that's in direct

1063
00:44:17,780 --> 00:44:16,230

flight from someone saying off I mean

1064

00:44:20,000 --> 00:44:17,790

it's not going to be anything but

1065

00:44:22,630 --> 00:44:20,010

wouldn't be happening anyway and it's

1066

00:44:25,250 --> 00:44:22,640

only the people who are in that area

1067

00:44:27,080 --> 00:44:25,260

cousin wouldn't indeed on anybody else

1068

00:44:29,870 --> 00:44:27,090

really wouldn't well not really because

1069

00:44:34,820 --> 00:44:29,880

according to this article it's going to

1070

00:44:35,960 --> 00:44:34,830

use existing polls and just add wire so

1071

00:44:37,310 --> 00:44:35,970

really the only thing that's going to

1072

00:44:39,890 --> 00:44:37,320

happen is I'll be wire strung between

1073

00:44:41,870 --> 00:44:39,900

polls to indicate which where this area

1074

00:44:44,150 --> 00:44:41,880

leads this is the ghetto thing I've been

1075

00:44:45,770 --> 00:44:44,160

quite find that reasonably offensive an

1076

00:44:48,390 --> 00:44:45,780

engine in it you Sparkle yeah

1077

00:44:51,390 --> 00:44:48,400

connotations of attendance kiddo

1078

00:44:54,370 --> 00:44:51,400

carry on about I mean they might well be

1079

00:44:59,720 --> 00:44:57,920

controller well all I know is this

1080

00:45:01,730 --> 00:44:59,730

article says that some types of

1081

00:45:05,870 --> 00:45:01,740

residents say it will block their views

1082

00:45:08,000 --> 00:45:05,880

and create a quote Jewish ghetto sounds

1083

00:45:10,460 --> 00:45:08,010

like a media busy life residents need to

1084

00:45:12,290 --> 00:45:10,470

chill out well this is interesting

1085

00:45:15,230 --> 00:45:12,300

actually this is article appeared on

1086

00:45:16,490 --> 00:45:15,240

about page 12 that's what matters I

1087

00:45:19,040 --> 00:45:16,500

didn't see the article I feel there was

1088

00:45:20,780 --> 00:45:19,050

some follow up letters yeah it wasn't

1089

00:45:22,819 --> 00:45:20,790

very well publicized it was sort of

1090

00:45:24,829 --> 00:45:22,829

stuck in the back part of the paper but

1091

00:45:27,410 --> 00:45:24,839

um I just thought it was interesting I

1092

00:45:29,120 --> 00:45:27,420

didn't realize that there was such a

1093

00:45:33,440 --> 00:45:29,130

thing I have already informed that they

1094

00:45:37,400 --> 00:45:35,780

traffic lights that are automatic that

1095

00:45:41,089 --> 00:45:37,410

you don't have to push you just wait

1096

00:45:43,160 --> 00:45:41,099

there and it changes yeah was that meant

1097

00:45:46,579 --> 00:45:43,170

for to overcome that and that sort of

1098

00:45:48,109 --> 00:45:46,589

it's the same as this but it's very

1099

00:45:49,880 --> 00:45:48,119

interesting i wonder if listeners in

1100

00:45:51,680 --> 00:45:49,890

other parts of the world would have

1101

00:45:54,050 --> 00:45:51,690

similar experiences in their cities

1102

00:45:57,800 --> 00:45:54,060

maybe they can write it in toes so yeah

1103

00:46:00,290 --> 00:45:57,810

you visit our website skeptic zone TV

1104

00:46:03,859 --> 00:46:00,300

and go to the about us you can email

1105

00:46:05,660 --> 00:46:03,869

each of us in the VNC cavity we all have

1106

00:46:08,900 --> 00:46:05,670

our own individual email addresses on

1107

00:46:11,060 --> 00:46:08,910

that page yeah so thanks Rachel it so

1108

00:46:14,359 --> 00:46:11,070

that's a slightly unusual but

1109

00:46:16,760 --> 00:46:14,369

interesting story Michael would be happy

1110

00:46:19,430 --> 00:46:16,770

I have a story about the American

1111

00:46:20,990 --> 00:46:19,440

musician Prince oh yes prince has been

1112

00:46:24,829 --> 00:46:21,000

currently promoting a book about himself

1113

00:46:26,569 --> 00:46:24,839

for 21 knots it was in the prints in the

1114

00:46:27,950 --> 00:46:26,579

artist to his known as Prince and then

1115

00:46:29,870 --> 00:46:27,960

he was some sort of squiggle and now

1116

00:46:32,210 --> 00:46:29,880

he's Prince again that's right ok cool

1117

00:46:34,589 --> 00:46:32,220

is he spoke to Prince analogy because

1118

00:46:36,839 --> 00:46:34,599

yeah he was the artist formerly known as

1119

00:46:41,700 --> 00:46:36,849

then he is back to turn style and he's

1120

00:46:43,380 --> 00:46:41,710

50 this year isn't it so it stinks right

1121

00:46:47,309 --> 00:46:43,390

that's right blue and Madonna Madonna

1122

00:46:48,630 --> 00:46:47,319

yeah I'm not sure about 50 1050 other

1123

00:46:51,660 --> 00:46:48,640

day in fact that was a trivia question

1124

00:46:53,999 --> 00:46:51,670

we got didn't did we well me one trivia

1125

00:46:56,729 --> 00:46:54,009

few weeks ago probably anyway sorry

1126

00:46:58,380 --> 00:46:56,739

Michael keep going well you may know

1127

00:47:01,620 --> 00:46:58,390

that Prince became the Jehovah's Witness

1128

00:47:07,469 --> 00:47:01,630

in 2001 I didn't he Annie goes how's the

1129

00:47:11,190 --> 00:47:07,479

house to preach about his faith I'm told

1130

00:47:13,920 --> 00:47:11,200

USA Today this week that is often chased

1131

00:47:16,410 --> 00:47:13,930

through the streets by his fans as he

1132

00:47:18,299 --> 00:47:16,420

tries to convert them to the Bible you

1133

00:47:24,299 --> 00:47:18,309

make you didn't run towards them in a

1134

00:47:26,789 --> 00:47:24,309

cast away from them are you make a good

1135

00:47:29,400 --> 00:47:26,799

point I'd be immensely impressed with

1136

00:47:31,559 --> 00:47:29,410

Prince came to my door but he is so

1137

00:47:34,620 --> 00:47:31,569

devoted to his faith that he even takes

1138

00:47:37,109 --> 00:47:34,630

the Bible to business meetings where did

1139

00:47:39,209 --> 00:47:37,119

you get this information well this is

1140

00:47:41,069 --> 00:47:39,219

he's because he's been promoting his

1141

00:47:43,499 --> 00:47:41,079

book he's been doing a lot of interviews

1142

00:47:46,680 --> 00:47:43,509

and a lot of talks relating to this book

1143

00:47:48,209 --> 00:47:46,690

and CD which is coming out but one of

1144

00:47:50,190 --> 00:47:48,219

the things I didn't know is he supports

1145

00:47:52,079 --> 00:47:50,200

intelligent design I didn't know that

1146

00:47:53,999 --> 00:47:52,089

either he actually does support

1147

00:47:57,260 --> 00:47:54,009

intelligent design this is a man that's

1148

00:47:59,360 --> 00:47:57,270

16 grammy awards and an Academy Award

1149

00:48:03,110 --> 00:47:59,370

well there you go he must be on the

1150

00:48:07,310 --> 00:48:03,120

border well I was wondering why I was

1151
00:48:10,400 --> 00:48:07,320
wondering why he would you know be

1152
00:48:12,680 --> 00:48:10,410
praying to Jesus and I came to the

1153
00:48:18,140 --> 00:48:12,690
conclusion he must pay to Jesus because

1154
00:48:20,450 --> 00:48:18,150
he wants to be taller it's okay on his

1155
00:48:24,710 --> 00:48:20,460
record she's quite close and listening

1156
00:48:26,690 --> 00:48:24,720
clearly because he's not growing well

1157
00:48:28,670 --> 00:48:26,700
that's something I didn't know so the

1158
00:48:30,080 --> 00:48:28,680
fact that he supports intelligent design

1159
00:48:34,090 --> 00:48:30,090
has that come out throughout the course

1160
00:48:37,850 --> 00:48:34,100
of his interviews for each book that's

1161
00:48:40,520 --> 00:48:37,860
disappointing the last time we were

1162
00:48:43,760 --> 00:48:40,530
discussing a star in the think tank it

1163
00:48:44,960 --> 00:48:43,770

was thinking Scientology you haven't

1164

00:48:47,900 --> 00:48:44,970

heard anything more about that Martin

1165

00:48:50,480 --> 00:48:47,910

can you no I haven't but I did read some

1166

00:48:52,430 --> 00:48:50,490

information relating to Swedish

1167

00:48:53,540 --> 00:48:52,440

taxpayers and they've been indirectly

1168

00:48:56,330 --> 00:48:53,550

supporting the Church of Scientology

1169

00:48:58,640 --> 00:48:56,340

through local government contracts given

1170

00:49:00,260 --> 00:48:58,650

two front organizations with ties

1171

00:49:03,770 --> 00:49:00,270

through

1172

00:49:07,820 --> 00:49:03,780

it's interesting according to a svt

1173

00:49:10,940 --> 00:49:07,830

documentary 156 of Sweden's 290 local

1174

00:49:14,990 --> 00:49:10,950

councils have contributed more than 1.4

1175

00:49:17,180 --> 00:49:15,000

million to the Scientology movement and

1176

00:49:19,160 --> 00:49:17,190

what if they go to determine like when

1177

00:49:21,920 --> 00:49:19,170

you say front open our mouths and other

1178

00:49:24,890 --> 00:49:21,930

all those organizations actually doing

1179

00:49:26,570 --> 00:49:24,900

something to the money well their front

1180

00:49:28,880 --> 00:49:26,580

groups are knocking on which is a

1181

00:49:30,440 --> 00:49:28,890

supposed drug rehabilitation we're all

1182

00:49:33,680 --> 00:49:30,450

use have seen the man in the air and

1183

00:49:36,410 --> 00:49:33,690

they do have other front groups they are

1184

00:49:38,870 --> 00:49:36,420

able to obtain money through the

1185

00:49:42,080 --> 00:49:38,880

government in that regard how's that now

1186

00:49:44,480 --> 00:49:42,090

stopped no no it's is currently taking

1187

00:49:46,490 --> 00:49:44,490

place actually in Sweden that's right

1188

00:49:49,160 --> 00:49:46,500

that surprises me because the standard a

1189

00:49:52,550 --> 00:49:49,170

vm z is pretty sensible people by german

1190

00:49:54,500 --> 00:49:52,560

quite agree hey uh the scientology

1191

00:49:57,410 --> 00:49:54,510

getting everywhere true but

1192

00:49:59,660 --> 00:49:57,420

understanding ambiens i think they're

1193

00:50:01,670 --> 00:49:59,670

the least a large part of Sweden are

1194

00:50:02,750 --> 00:50:01,680

atheists are they would declare

1195

00:50:04,370 --> 00:50:02,760

themselves fear and they're pretty

1196

00:50:06,920 --> 00:50:04,380

circular up there although it's an

1197

00:50:08,810 --> 00:50:06,930

efficient and smooth one actually I'm

1198

00:50:12,730 --> 00:50:08,820

sure listening to work correctly it is a

1199

00:50:14,950 --> 00:50:12,740

lot simply Lutheran I don't know

1200

00:50:17,980 --> 00:50:14,960

have you people listening in Sweden

1201
00:50:20,370 --> 00:50:17,990
please write in and oh yeah and I also

1202
00:50:22,450 --> 00:50:20,380
believe that university is premium suite

1203
00:50:24,490 --> 00:50:22,460
taxes are obviously very high in most

1204
00:50:26,620 --> 00:50:24,500
parts of Scandinavia but education is

1205
00:50:29,440 --> 00:50:26,630
either very cheap or it's a lovely place

1206
00:50:32,980 --> 00:50:29,450
i was there in about nineteen ninety two

1207
00:50:34,780 --> 00:50:32,990
IP in sweden oh yeah you love only been

1208
00:50:37,630 --> 00:50:34,790
to Norway has I've got to sleep I

1209
00:50:40,990 --> 00:50:37,640
actually was watching on at the gym I

1210
00:50:43,600 --> 00:50:41,000
was watching cable there was a show from

1211
00:50:47,380 --> 00:50:43,610
E and was called e investigates which

1212
00:50:49,300 --> 00:50:47,390
icon is it's kind of an optimizing it AE

1213
00:50:53,140 --> 00:50:49,310

entertainment investigates but in any

1214

00:50:56,830 --> 00:50:53,150

case it was about diet fads and they

1215

00:51:00,460 --> 00:50:56,840

were doing a story about the the couple

1216

00:51:03,100 --> 00:51:00,470

from Atlanta Georgia who were vegans and

1217

00:51:04,810 --> 00:51:03,110

they had a a young child and they

1218

00:51:07,840 --> 00:51:04,820

decided to put their child on a vegan

1219

00:51:10,390 --> 00:51:07,850

diet and after six weeks the child died

1220

00:51:11,650 --> 00:51:10,400

from starvation and they were both

1221

00:51:13,750 --> 00:51:11,660

jailed for life and charged with

1222

00:51:17,050 --> 00:51:13,760

first-degree murder and child abuse and

1223

00:51:18,370 --> 00:51:17,060

it was really tragic because they

1224

00:51:20,680 --> 00:51:18,380

obviously didn't mean to kill their

1225

00:51:23,620 --> 00:51:20,690

child they obviously love their son and

1226

00:51:25,990 --> 00:51:23,630

but they just didn't seem to have the

1227

00:51:28,780 --> 00:51:26,000

concept that you can't put a child on a

1228

00:51:30,220 --> 00:51:28,790

diet with soy milk and lentils without

1229

00:51:33,280 --> 00:51:30,230

its suffering

1230

00:51:35,710 --> 00:51:33,290

and the in fact the sister of the guy

1231

00:51:37,330 --> 00:51:35,720

who's in jail was talking to a in saying

1232

00:51:40,030 --> 00:51:37,340

that every time she visits her brother

1233

00:51:43,359 --> 00:51:40,040

he says well I didn't murder him I loved

1234

00:51:44,859 --> 00:51:43,369

my son I love to myself but I guess it

1235

00:51:46,570 --> 00:51:44,869

goes back to what you and I were talking

1236

00:51:50,170 --> 00:51:46,580

about last week to with what's the heart

1237

00:51:51,940 --> 00:51:50,180

again yeah people just don't seem to

1238

00:51:54,220 --> 00:51:51,950

have a cool about it and I will always

1239

00:51:57,490 --> 00:51:54,230

say dwell listeners please visit what's

1240

00:51:58,930 --> 00:51:57,500

the harm not yet but I have to tell you

1241

00:52:01,690 --> 00:51:58,940

Richard I almost fell off the treadmill

1242

00:52:03,040 --> 00:52:01,700

and I laughed so loud its lucky I was

1243

00:52:04,570 --> 00:52:03,050

the only one at the gym because one of

1244

00:52:08,050 --> 00:52:04,580

the eyes that they were talking about

1245

00:52:10,120 --> 00:52:08,060

was a detox diet and the woman was

1246

00:52:11,770 --> 00:52:10,130

saying that all you can eat is fresh

1247

00:52:14,680 --> 00:52:11,780

fruit and vegetables and you have to

1248

00:52:17,680 --> 00:52:14,690

juice everything so for 21 days you just

1249

00:52:19,300 --> 00:52:17,690

eat juice of and actually they showed a

1250

00:52:21,220 --> 00:52:19,310

shot of her making his wonderful

1251
00:52:24,330 --> 00:52:21,230
smoothie and there was a shot of half an

1252
00:52:28,450 --> 00:52:24,340
onion and some beet roots oh yeah my

1253
00:52:30,070 --> 00:52:28,460
sympathy of that but also as part of

1254
00:52:32,109 --> 00:52:30,080
this diet apart from just drinking the

1255
00:52:37,359 --> 00:52:32,119
juice it's also very important to

1256
00:52:40,120 --> 00:52:37,369
undergo colonic irrigation and ear

1257
00:52:42,250 --> 00:52:40,130
candling so they actually had a shot of

1258
00:52:43,750 --> 00:52:42,260
this woman doing ear candling on a paper

1259
00:52:46,000 --> 00:52:43,760
and that's when I almost fell off the

1260
00:52:47,349 --> 00:52:46,010
treadmill and the third thing is the

1261
00:52:48,820 --> 00:52:47,359
detox through your feet you know the

1262
00:52:50,740 --> 00:52:48,830
water bath where the water goes or

1263
00:52:52,400 --> 00:52:50,750

ground and that's supposed to be

1264

00:52:54,710 --> 00:52:52,410

cleansing your

1265

00:52:56,960 --> 00:52:54,720

who your feet for your feet absolutely

1266

00:52:58,970 --> 00:52:56,970

that sounds about as real as it sounds

1267

00:53:02,600 --> 00:52:58,980

hi I think now I'm glad you mentioned

1268

00:53:05,600 --> 00:53:02,610

here can't wait are you Richard people

1269

00:53:08,240 --> 00:53:05,610

either who used to listen to the skeptic

1270

00:53:10,460 --> 00:53:08,250

tank and the tank and we thank God asked

1271

00:53:12,260 --> 00:53:10,470

what's your plan come come would know

1272

00:53:15,110 --> 00:53:12,270

that our opinion ear candling and you

1273

00:53:18,110 --> 00:53:15,120

can have your very own skeptic zone no

1274

00:53:21,080 --> 00:53:18,120

ear candling t-shirt yes you can you can

1275

00:53:23,960 --> 00:53:21,090

visit our website skeptics on TV and

1276

00:53:25,730 --> 00:53:23,970

pull out the links to our online store

1277

00:53:28,160 --> 00:53:25,740

there with the tulips there's one that

1278

00:53:30,740 --> 00:53:28,170

says homeopathic medicine there's

1279

00:53:33,710 --> 00:53:30,750

nothing to it or in it I quite like that

1280

00:53:35,030 --> 00:53:33,720

one I particularly do like the no ear

1281

00:53:36,800 --> 00:53:35,040

candling one because that's one of my

1282

00:53:37,980 --> 00:53:36,810

bugbears you know I think it's one of

1283

00:53:40,580 --> 00:53:37,990

yours as well as

1284

00:53:43,980 --> 00:53:40,590

I must I must tell the listeners that

1285

00:53:45,690 --> 00:53:43,990

you and I a couple of months ago we went

1286

00:53:47,820 --> 00:53:45,700

to a chemist for some reason I just got

1287

00:53:52,260 --> 00:53:47,830

into why we're shopping or something and

1288

00:53:55,320 --> 00:53:52,270

then selling it but of course we had to

1289

00:54:00,450 --> 00:53:55,330

be loud about it yeah and we didn't say

1290

00:54:01,950 --> 00:54:00,460

he kills he said no scam in a loud

1291

00:54:04,859 --> 00:54:01,960

voices in your saying have we got enough

1292

00:54:06,630 --> 00:54:04,869

nose candles at home is it you know do

1293

00:54:10,470 --> 00:54:06,640

you know how much those things cost no

1294

00:54:13,290 --> 00:54:10,480

sixteen dollars 95 so how many I think

1295

00:54:17,190 --> 00:54:13,300

it's maybe four or five how many do you

1296

00:54:20,190 --> 00:54:17,200

need for year in 76 at least I don't

1297

00:54:21,560 --> 00:54:20,200

know but they're just I've just finished

1298

00:54:24,410 --> 00:54:21,570

reading

1299

00:54:25,460 --> 00:54:24,420

simon sings book trick or treatment

1300

00:54:27,440 --> 00:54:25,470

which i think we're going to talk about

1301

00:54:29,480 --> 00:54:27,450

further at some point we will it's a

1302

00:54:30,950 --> 00:54:29,490

billion yeah it is brilliant but he

1303

00:54:32,870 --> 00:54:30,960

mentioned in there that the only thing

1304

00:54:35,030 --> 00:54:32,880

ear candles are good for is to posting

1305

00:54:38,530 --> 00:54:35,040

wax in your ear and or setting fire to

1306

00:54:41,330 --> 00:54:38,540

your house and I have to agree with him

1307

00:54:44,270 --> 00:54:41,340

now I happen to have some astrology with

1308

00:54:46,760 --> 00:54:44,280

me Richard good I'm glad someone does so

1309

00:54:48,470 --> 00:54:46,770

if if anyone's any of our listeners out

1310

00:54:50,660 --> 00:54:48,480

there if it has to be your birthday this

1311

00:54:54,650 --> 00:54:50,670

month I'm just going to read out your

1312

00:54:57,560 --> 00:54:54,660

star sign and I this will be the stars

1313

00:55:01,760 --> 00:54:57,570

for virgo which is September to study

1314

00:55:03,680 --> 00:55:01,770

October oh yeah now you must stop

1315

00:55:06,500 --> 00:55:03,690

watching TV and start watching the radio

1316

00:55:08,480 --> 00:55:06,510

remember a watched pot does in fact oil

1317

00:55:11,150 --> 00:55:08,490

you can treat your boils with cream

1318

00:55:13,310 --> 00:55:11,160

there are so many omens and some Oh

1319

00:55:15,950 --> 00:55:13,320

women's that are around your aura or

1320

00:55:21,309 --> 00:55:15,960

maybe not no lucky nothing for you this

1321

00:55:25,870 --> 00:55:23,439

now these these are written by a very

1322

00:55:28,809 --> 00:55:25,880

well-known astrologer are all font all

1323

00:55:32,049 --> 00:55:28,819

and it's entitled very scientific

1324

00:55:35,559 --> 00:55:32,059

astrology knowledge assets ecology

1325

00:55:37,329 --> 00:55:35,569

astrology yes and in fact I'm not just

1326

00:55:40,329 --> 00:55:37,339

read one more while I'm here this

1327

00:55:43,269 --> 00:55:40,339

classically Pisces yeah I'm hot sauce on

1328

00:55:45,309 --> 00:55:43,279

this one okay Pisces the sign of the

1329

00:55:47,739 --> 00:55:45,319

fish look out four hooks lines and

1330

00:55:49,809 --> 00:55:47,749

sinkers don't bait anyone or you'll be

1331

00:55:51,130 --> 00:55:49,819

reeling if you rock the boat you'll find

1332

00:55:53,079 --> 00:55:51,140

yourself up the creek without a paddle

1333

00:56:00,039 --> 00:55:53,089

there are no lucky numbers for you this

1334

00:56:02,920 --> 00:56:00,049

month as I sold them to a Virgo now

1335

00:56:05,969 --> 00:56:02,930

where did you get those stars Rachel oh

1336

00:56:08,920 --> 00:56:05,979

look I found these on in an old magazine

1337

00:56:10,870 --> 00:56:08,930

from mystery investigators Richard you

1338

00:56:12,430 --> 00:56:10,880

now I think you and I have something to

1339

00:56:16,209 --> 00:56:12,440

do with mystery investigators don't we

1340

00:56:18,160 --> 00:56:16,219

this is from 2005 magazine numbering I

1341

00:56:20,829 --> 00:56:18,170

mean all portals will have to write some

1342

00:56:23,079 --> 00:56:20,839

more oh yeah we will have to write some

1343

00:56:26,109 --> 00:56:23,089

more yes they're very funny if you want

1344

00:56:27,279 --> 00:56:26,119

to find out your astrology there's a

1345

00:56:29,529 --> 00:56:27,289

free download on the mystery

1346

00:56:32,290 --> 00:56:29,539

investigated website mr. investigators

1347

00:56:35,110 --> 00:56:32,300

but calm and just download the magnet

1348

00:56:36,640 --> 00:56:35,120

you're funny star signs I'll just read

1349

00:56:39,430 --> 00:56:36,650

one more Richard because it's my

1350

00:56:41,230 --> 00:56:39,440

birthday in a month or so in fact as

1351

00:56:43,690 --> 00:56:41,240

yours as well it is both born in

1352

00:56:46,930 --> 00:56:43,700

November yes so we're Scorpios according

1353

00:56:48,490 --> 00:56:46,940

to this earth astrology your lucky

1354

00:56:50,650 --> 00:56:48,500

number can be worked out by using the

1355

00:56:52,780 --> 00:56:50,660

science of numerology and your birthdate

1356

00:56:53,980 --> 00:56:52,790

numbers together at your birthdate

1357

00:56:56,050 --> 00:56:53,990

numbers together which will give you

1358

00:56:57,790 --> 00:56:56,060

your life number add this to the current

1359

00:56:59,110 --> 00:56:57,800

year to get your past life number add

1360

00:57:02,680 --> 00:56:59,120

these together with your birth date

1361

00:57:06,210 --> 00:57:02,690

again and that's it you're lucky number

1362

00:57:10,440 --> 00:57:07,740

but did I think you missed your calling

1363

00:57:14,070 --> 00:57:10,450

I think they're not me it's all foggy

1364

00:57:16,080 --> 00:57:14,080

sorry Oh Polly osseous I think it is oh

1365

00:57:18,720 --> 00:57:16,090

I tell you what while we're thinking

1366

00:57:22,890 --> 00:57:18,730

about funny things and great times let's

1367

00:57:26,040 --> 00:57:22,900

give a big shout out to Tim and Harry I

1368

00:57:28,200 --> 00:57:26,050

win they're in Minnesota who I happen to

1369

00:57:30,750 --> 00:57:28,210

the show yeah because it was a really

1370

00:57:32,730 --> 00:57:30,760

big fans of the show yes Tim and Carrie

1371

00:57:34,859 --> 00:57:32,740

thank you for listening we really

1372

00:57:37,650 --> 00:57:34,869

appreciate hello Tim and Harry hello Tim

1373

00:57:39,660 --> 00:57:37,660

ferry thanks for the support well I

1374

00:57:41,130 --> 00:57:39,670

thought this was a really funny story so

1375

00:57:44,190 --> 00:57:41,140

I thought I'd had to share it with you a

1376

00:57:46,050 --> 00:57:44,200

pastor in Kenya caused a stir when he

1377

00:57:50,640 --> 00:57:46,060

removed a woman's panties from his

1378

00:57:53,880 --> 00:57:50,650

pocket and used into wife sweat I'm glad

1379

00:57:55,589 --> 00:57:53,890

I said from his pocket apparently

1380

00:57:58,080 --> 00:57:55,599

thought he was using a handkerchief to

1381

00:58:01,680 --> 00:57:58,090

clear his forehead as he preached under

1382

00:58:04,650 --> 00:58:01,690

a Blazing Sun it later emerged of the

1383

00:58:06,599 --> 00:58:04,660

pastor who is married with one child had

1384

00:58:08,940 --> 00:58:06,609

spent the previous night with a member

1385

00:58:11,190 --> 00:58:08,950

of his congregation after lying to his

1386

00:58:13,290 --> 00:58:11,200

wife that he was attending night long

1387

00:58:17,940 --> 00:58:13,300

prayers and would therefore be away from

1388

00:58:21,290 --> 00:58:17,950

home I thought that was classic what if

1389

00:58:29,960 --> 00:58:23,660

so how'd it is how did it all come out

1390

00:58:32,750 --> 00:58:29,970

it just got in the wash I did poor guy

1391

00:58:34,190 --> 00:58:32,760

well there you go I mean you shouldn't

1392

00:58:36,110 --> 00:58:34,200

be carrying around women's panties in my

1393

00:58:39,110 --> 00:58:36,120

pocket anyway should you is that your

1394

00:58:40,730 --> 00:58:39,120

first mistake yeah yeah that's not the

1395

00:58:43,190 --> 00:58:40,740

first mistake in this instance but

1396

00:58:46,970 --> 00:58:43,200

that's probably not very smart either is

1397

00:58:48,920 --> 00:58:46,980

it see it happened upon and still cool

1398

00:58:53,330 --> 00:58:48,930

hey okay I'm not gonna say anything else

1399

00:58:54,620 --> 00:58:53,340

just leave that one there I don't know

1400

00:58:58,070 --> 00:58:54,630

if I want to talk about this is about

1401
00:59:00,860 --> 00:58:58,080
herpes I think it's very appropriate who

1402
00:59:03,620 --> 00:59:00,870
opted what you just said herpes he's

1403
00:59:06,800 --> 00:59:03,630
gonna story about herpes yeah all right

1404
00:59:08,360 --> 00:59:06,810
good it's there was a study published

1405
00:59:10,940 --> 00:59:08,370
this week in the journal of general

1406
00:59:14,570 --> 00:59:10,950
virology under jamie one general

1407
00:59:17,000 --> 00:59:14,580
virology furlong urology her older yes

1408
00:59:18,950 --> 00:59:17,010
are you go ahead go ahead study of

1409
00:59:22,160 --> 00:59:18,960
viruses it's a known as virology I put

1410
00:59:23,480 --> 00:59:22,170
my issue down somewhere what you mean

1411
00:59:26,150 --> 00:59:23,490
you don't subscribe to the Journal of

1412
00:59:29,920 --> 00:59:26,160
general virology Richard I'm sorry

1413
00:59:32,510 --> 00:59:29,930

listeners I'm sure you all do but anyway

1414

00:59:35,030 --> 00:59:32,520

this is a story about a new strain of

1415

00:59:38,030 --> 00:59:35,040

herpes well not actually a new strain it

1416

00:59:40,700 --> 00:59:38,040

it's still herpes simplex virus one

1417

00:59:43,270 --> 00:59:40,710

which is known as hsv-1 and that's the

1418

00:59:46,690 --> 00:59:43,280

one that causes common cold sores

1419

00:59:48,340 --> 00:59:46,700

so it's been a problem for sumo

1420

00:59:50,100 --> 00:59:48,350

wrestlers apparently because they're

1421

00:59:52,720 --> 00:59:50,110

vulnerable to a more virulent strain

1422

00:59:57,640 --> 00:59:52,730

which is contracted through grappling

1423

00:59:59,380 --> 00:59:57,650

their opponents now if it has become a

1424

01:00:01,120 --> 00:59:59,390

problem because two of the wrestlers

1425

01:00:04,390 --> 01:00:01,130

have actually died as a result of their

1426
01:00:07,660 --> 01:00:04,400
infections what yes I know it does sound

1427
01:00:10,840 --> 01:00:07,670
surprising doesn't it so this is a

1428
01:00:14,080 --> 01:00:10,850
variant of hsv-1 strain of herpes it's

1429
01:00:15,610 --> 01:00:14,090
known as b gk I and it spreads more

1430
01:00:18,670 --> 01:00:15,620
efficiently and quarters more severe

1431
01:00:21,970 --> 01:00:18,680
symptoms and other strains so it's

1432
01:00:25,900 --> 01:00:21,980
highly infectious as is HSC one when

1433
01:00:27,340 --> 01:00:25,910
it's at once cold sores as well so but

1434
01:00:28,840 --> 01:00:27,350
it means that players who have these

1435
01:00:30,910 --> 01:00:28,850
blisters have had to be taken out of

1436
01:00:33,400 --> 01:00:30,920
competitions to prevent it from being

1437
01:00:36,580 --> 01:00:33,410
passed on to other other wrestlers and

1438
01:00:40,810 --> 01:00:36,590

it's been um it's actually known as hope

1439

01:00:47,170 --> 01:00:40,820

he's glad at it Gladia torrents or a

1440

01:00:50,920 --> 01:00:47,180

scrum pox it's the common name is grampa

1441

01:00:52,510 --> 01:00:50,930

what a poison time I can favor headaches

1442

01:00:54,940 --> 01:00:52,520

and infection of the lymph nodes can

1443

01:00:59,200 --> 01:00:54,950

result from this from infection with

1444

01:01:00,970 --> 01:00:59,210

this some BK b gk I strain of hsv-1 so

1445

01:01:03,490 --> 01:01:00,980

your fountain of knowledge it's a very

1446

01:01:04,610 --> 01:01:03,500

big problem Richard and what has that

1447

01:01:10,160 --> 01:01:04,620

50s

1448

01:01:15,200 --> 01:01:10,170

it's medicine to science such skills but

1449

01:01:17,420 --> 01:01:15,210

a pretty tenuous link i must let me

1450

01:01:19,100 --> 01:01:17,430

paint a picture for you mr. right let's

1451
01:01:22,500 --> 01:01:19,110
let it back to laugh and she whacked her

1452
01:01:27,720 --> 01:01:24,150
it's not a skeptical story it's a

1453
01:01:30,960 --> 01:01:27,730
medical story thank you you want me to

1454
01:01:34,320 --> 01:01:30,970
register hours again oh you'll like this

1455
01:01:36,270 --> 01:01:34,330
one oh yes a church service for the

1456
01:01:39,360 --> 01:01:36,280
Dutch Christian nudists has been

1457
01:01:41,070 --> 01:01:39,370
cancer-free then are the hot style

1458
01:01:44,550 --> 01:01:41,080
reactions from other more conventional

1459
01:01:50,610 --> 01:01:44,560
worshippers I'm sorry could you repeat

1460
01:01:54,020 --> 01:01:50,620
that at church that's what the blogging

1461
01:01:57,780 --> 01:01:54,030
also the boys I said the kenyans

1462
01:02:00,810 --> 01:01:57,790
Christian nudists exhibit was excused

1463
01:02:04,830 --> 01:02:00,820

this is the Dutch Christian nudists did

1464

01:02:13,170 --> 01:02:04,840

you say that's right and so was it Ben

1465

01:02:15,360 --> 01:02:13,180

Hansen well because oh oh no the more

1466

01:02:28,230 --> 01:02:15,370

conservative Christians don't agree with

1467

01:02:31,100 --> 01:02:28,240

it but it is Christians Oh their first

1468

01:02:33,780 --> 01:02:31,110

service in June or a clothed priest

1469

01:02:36,450 --> 01:02:33,790

presided over a nude congregation of 80

1470

01:02:38,820 --> 01:02:36,460

people in a region of the Netherlands in

1471

01:02:41,090 --> 01:02:38,830

the Netherlands this season yeah that is

1472

01:02:42,980 --> 01:02:41,100

cheating

1473

01:02:46,040 --> 01:02:42,990

is that a big movement Michael today

1474

01:02:50,540 --> 01:02:46,050

particularly influential I'll stop it

1475

01:02:57,860 --> 01:02:50,550

that wasn't an innuendo we're finally

1476

01:03:02,210 --> 01:02:57,870

moving in my case landing very expanding

1477

01:03:08,630 --> 01:03:02,220

LA but see Amanda's the only one here is

1478

01:03:10,160 --> 01:03:08,640

keeping a straight face he almost did

1479

01:03:13,520 --> 01:03:10,170

you hear this week that the Vatican has

1480

01:03:15,680 --> 01:03:13,530

gone solo solo how I saw that on the

1481

01:03:17,210 --> 01:03:15,690

news for getting yeah energy from the

1482

01:03:18,680 --> 01:03:17,220

heavens they are getting odd I'm

1483

01:03:21,560 --> 01:03:18,690

surprised that they need to get it from

1484

01:03:24,590 --> 01:03:21,570

the Sun but in talvik all that bother

1485

01:03:27,320 --> 01:03:24,600

you know where I can get it they have

1486

01:03:29,060 --> 01:03:27,330

had installed something like 1200 solar

1487

01:03:31,460 --> 01:03:29,070

power panels on the top of one of the

1488

01:03:34,160 --> 01:03:31,470

buildings within American city I'm fully

1489

01:03:37,820 --> 01:03:34,170

donated by the German company that did

1490

01:03:39,630 --> 01:03:37,830

the installation and it was about one

1491

01:03:43,740 --> 01:03:39,640

and a half million

1492

01:03:48,339 --> 01:03:43,750

wows the cost but then you know Pope

1493

01:03:50,230 --> 01:03:48,349

Benedict is from Bavaria news so I guess

1494

01:03:52,329 --> 01:03:50,240

the Germans hold him close to their

1495

01:03:54,099 --> 01:03:52,339

hearts do very rich it they do I'm sure

1496

01:03:56,020 --> 01:03:54,109

they do have spent some time in Germany

1497

01:04:00,490 --> 01:03:56,030

I'd expect hello to everybody will see

1498

01:04:03,700 --> 01:04:00,500

in Germany hello but you didn't see you

1499

01:04:06,250 --> 01:04:03,710

one in the barrier oh yeah you bet I

1500

01:04:08,440 --> 01:04:06,260

love it down there it's great it is

1501

01:04:10,450 --> 01:04:08,450

subway it's a very beautiful beautiful

1502

01:04:12,910 --> 01:04:10,460

area actually stunningly beautiful you

1503

01:04:16,300 --> 01:04:12,920

and the people are friendly enormous a

1504

01:04:20,339 --> 01:04:16,310

blue sky three stops blue Scott which

1505

01:04:28,020 --> 01:04:24,579

Greek god Great God great no great oh

1506

01:04:30,880 --> 01:04:28,030

great great blue spot right on the spot

1507

01:04:34,810 --> 01:04:30,890

great it's just a way of saying today

1508

01:04:39,500 --> 01:04:34,820

hail Apollo's it's a Hail Apollo it

1509

01:04:46,100 --> 01:04:44,570

on that interesting note of this but so

1510

01:04:48,110 --> 01:04:46,110

are you people in Germany I'd like to

1511

01:04:49,880 --> 01:04:48,120

thank dr. Rachel don't look Amanda Rose

1512

01:04:52,940 --> 01:04:49,890

and Michael wala hand for joining me

1513

01:04:55,100 --> 01:04:52,950

once again in the think tank even though

1514

01:04:58,040 --> 01:04:55,110

which strains that have got a mahjong

1515

01:04:59,360 --> 01:04:58,050

tournament happening right behind us now

1516

01:05:00,770 --> 01:04:59,370

we've had quite an international show

1517

01:05:03,760 --> 01:05:00,780

today Richard so I think we should all

1518

01:05:10,030 --> 01:05:03,770

say goodbye in a different language

1519

01:05:12,470 --> 01:05:10,040

sayonara choose the Cydonia I've isn't

1520

01:05:16,010 --> 01:05:12,480

everyone although to sort of exhibit

1521

01:05:18,230 --> 01:05:16,020

assignment well yeah I'll let that pass

1522

01:05:20,870 --> 01:05:18,240

will it back but thank you and we'll see

1523

01:05:34,910 --> 01:05:20,880

you all again soon in pink oh thank you

1524

01:05:40,770 --> 01:05:38,310

young skeptics those of you in Australia

1525

01:05:43,350 --> 01:05:40,780

and around the world don't be fooled by

1526
01:05:48,570 --> 01:05:43,360
tall stories and impossible claims head

1527
01:05:50,340 --> 01:05:48,580
to wwn deceiving ourselves calm for easy

1528
01:05:53,010 --> 01:05:50,350
to read information about critical

1529
01:05:55,020 --> 01:05:53,020
thinking also find out about the Western

1530
01:05:59,300 --> 01:05:55,030
Australian skeptics awards for young

1531
01:06:09,589 --> 01:05:59,310
critical writers wwm deceiving ourselves

1532
01:06:14,460 --> 01:06:12,390
Richard it's another fabulous zone

1533
01:06:16,109 --> 01:06:14,470
you've done a great job again I don't

1534
01:06:18,150 --> 01:06:16,119
want to get out of the zone i'm so into

1535
01:06:19,289 --> 01:06:18,160
the zone after that episode I tell you

1536
01:06:21,029 --> 01:06:19,299
what the next episode is going to be

1537
01:06:22,739 --> 01:06:21,039
interesting oh yes isn't a big

1538
01:06:24,480 --> 01:06:22,749

convention from another convention other

1539

01:06:26,400 --> 01:06:24,490

convention I spend my life to go into

1540

01:06:28,499 --> 01:06:26,410

convention we have the Australian

1541

01:06:32,400 --> 01:06:28,509

skeptics national convention in fact I'm

1542

01:06:34,140 --> 01:06:32,410

there right now as I'm is that right the

1543

01:06:36,630 --> 01:06:34,150

way the internet works yet it's amazing

1544

01:06:37,950 --> 01:06:36,640

it all kicks off on the weekend yeah ok

1545

01:06:39,210 --> 01:06:37,960

so what's going to happen there we're

1546

01:06:40,890 --> 01:06:39,220

going to be running around interviewing

1547

01:06:42,180 --> 01:06:40,900

lots of people who are speaking at the

1548

01:06:45,359 --> 01:06:42,190

Australian skeptics convention I'm

1549

01:06:47,249 --> 01:06:45,369

meeting up with our reporter Kylie

1550

01:06:48,900 --> 01:06:47,259

Sturgis earth she's going to be there

1551

01:06:50,069 --> 01:06:48,910

I'm going to be there Rachel Dunlop is

1552

01:06:51,960 --> 01:06:50,079

going to be there so we might do a sort

1553

01:06:53,759 --> 01:06:51,970

of a mini think tank on the road we'll

1554

01:06:55,470 --> 01:06:53,769

see why not you'll see in Adelaide to

1555

01:06:57,359 --> 01:06:55,480

it's a nice laid-back sort of town down

1556

01:06:59,249 --> 01:06:57,369

there and I think you'll have a good

1557

01:07:00,839 --> 01:06:59,259

time I'm I hope so lots of churches

1558

01:07:03,329 --> 01:07:00,849

there you probably go ghost hunting

1559

01:07:05,069 --> 01:07:03,339

around we just that's a great idea

1560

01:07:06,809 --> 01:07:05,079

Stefan I think we might try that every

1561

01:07:08,400 --> 01:07:06,819

ghost hunt why not they're so well

1562

01:07:10,589 --> 01:07:08,410

thanks again for another great episode

1563

01:07:13,319 --> 01:07:10,599

thank you listeners for joining in once

1564

01:07:15,509 --> 01:07:13,329

again look it's always good material and

1565

01:07:17,849 --> 01:07:15,519

it's almost like a limp limitless supply

1566

01:07:18,809 --> 01:07:17,859

of material for skeptic shows isn't

1567

01:07:20,759 --> 01:07:18,819

there because there's so much crazy

1568

01:07:23,819 --> 01:07:20,769

stuff I hope so is producer I sincerely

1569

01:07:25,559 --> 01:07:23,829

hope so that's thank you once again

1570

01:07:30,370 --> 01:07:25,569

Stefan no worries it's great to be here

1571

01:07:37,450 --> 01:07:32,410

you've been listening to the skeptic

1572

01:07:40,480 --> 01:07:37,460

zone visit our website at WWF digs on TV

1573

01:07:47,559 --> 01:07:40,490

the comments contacts and extra video

1574

01:07:47,569 --> 01:07:54,690

Oh