

1
00:00:00,000 --> 00:00:19,079
oh dear oh oh dear that theme I think it

2
00:00:16,618 --> 00:00:21,420
needs to go in for some rest and

3
00:00:19,079 --> 00:00:24,268
rehabilitation maybe a little bit of

4
00:00:21,420 --> 00:00:25,890
time off our dear what do we do in the

5
00:00:24,268 --> 00:00:27,329
meantime I know we've got the new theme

6
00:00:25,890 --> 00:00:30,240
and a lot of people do like the new

7
00:00:27,329 --> 00:00:31,768
theme maybe maybe you should compromise

8
00:00:30,239 --> 00:00:34,199
because people have been writing in

9
00:00:31,768 --> 00:00:36,089
saying please keep the old theme but I

10
00:00:34,200 --> 00:00:39,930
think I have come up with a compromise I

11
00:00:36,090 --> 00:00:44,840
really have and here is from now on the

12
00:00:39,929 --> 00:00:44,840
new way to start the script exam podcast

13
00:00:57,320 --> 00:01:05,058
welcome to the skeptic zone the podcast

14
00:01:00,479 --> 00:01:05,058
from Australia for science and reason

15
00:01:14,890 --> 00:01:19,790
hello and welcome to the skeptic zone

16
00:01:17,750 --> 00:01:23,299
Richard Saunders here from Sydney

17
00:01:19,790 --> 00:01:26,690
Australia it's episode number 124 the

18
00:01:23,299 --> 00:01:28,849
fourth of february 2011 on this week's

19
00:01:26,689 --> 00:01:31,759
show we're going to dive into the muddy

20
00:01:28,849 --> 00:01:36,289
waters once again that is power balance

21
00:01:31,759 --> 00:01:39,079
placebo bands he can stun however they

22
00:01:36,290 --> 00:01:41,679
pronounce it all these magical mystical

23
00:01:39,079 --> 00:01:45,079
bits of rub with Holograms stuck to them

24
00:01:41,679 --> 00:01:47,269
dr. Ricci in dr. Ricci reports segment

25
00:01:45,079 --> 00:01:49,728
is going to interview dr. Simon Bryce

26
00:01:47,269 --> 00:01:53,269
from the Royal Melbourne Institute of

27
00:01:49,728 --> 00:01:55,819
Technology about their tests into power

28
00:01:53,269 --> 00:01:57,920
balance and their conclusions I wonder

29

00:01:55,819 --> 00:02:02,059
what the conclusions were no surprises

30
00:01:57,920 --> 00:02:04,849
there following that we have Maynard

31
00:02:02,060 --> 00:02:07,759
spooky action at a distance Maynard's

32
00:02:04,849 --> 00:02:09,679
going to interview Ian Emslie who is an

33
00:02:07,759 --> 00:02:13,759
optometrist they're going to be

34
00:02:09,679 --> 00:02:16,129
discussing the bizarre trend of people

35
00:02:13,759 --> 00:02:19,399
trying to get drunk by putting vodka in

36
00:02:16,129 --> 00:02:23,419
their eyeballs I kid you not coming up

37
00:02:19,400 --> 00:02:26,269
and that audio is courtesy of the ABC

38
00:02:23,419 --> 00:02:28,969
here in Australia Thank You ABC very

39
00:02:26,269 --> 00:02:31,579
much and to wrap up the show we have an

40
00:02:28,969 --> 00:02:33,739
interview with half of Melbourne yes

41
00:02:31,579 --> 00:02:35,719
half of Melbourne jumped onto their

42
00:02:33,739 --> 00:02:37,909
computers skyped me and we're going to

43
00:02:35,719 --> 00:02:41,479

be talking about Melbourne skeptics and

44

00:02:37,909 --> 00:02:43,879

their skeptics in the pub I wish I could

45

00:02:41,479 --> 00:02:47,048

be there right now now I'd like to bring

46

00:02:43,879 --> 00:02:50,539

Sydney listeners attention to the Sydney

47

00:02:47,049 --> 00:02:54,530

1023 mass overdose on Sunday the sixth

48

00:02:50,539 --> 00:02:56,989

of februari 2011 that's only a couple of

49

00:02:54,530 --> 00:02:58,729

days from now we're going to be

50

00:02:56,989 --> 00:03:00,430

gathering at nine-thirty behind the

51

00:02:58,729 --> 00:03:03,768

opera house at the choo choo express

52

00:03:00,430 --> 00:03:07,120

that's with little um little our fun

53

00:03:03,769 --> 00:03:10,430

train sort of leaves from to guzzle down

54

00:03:07,120 --> 00:03:14,709

copious amounts of sugar pills otherwise

55

00:03:10,430 --> 00:03:17,330

known as the scam sham con and outright

56

00:03:14,709 --> 00:03:19,939

fakery and fraud

57

00:03:17,330 --> 00:03:23,750

product that is homeopathy which you can

58
00:03:19,939 --> 00:03:25,400
buy at about any pharmacy you like come

59
00:03:23,750 --> 00:03:28,509
and join us if you want to find out more

60
00:03:25,400 --> 00:03:32,840
head for meetup com and search for

61
00:03:28,509 --> 00:03:35,109
Sydney social skeptics and you can find

62
00:03:32,840 --> 00:03:38,210
out more about that see you there on

63
00:03:35,110 --> 00:03:41,420
Sunday morning well I'm going to run

64
00:03:38,210 --> 00:03:44,030
downstairs grab some ice yes that's my

65
00:03:41,419 --> 00:03:46,639
drink of choice this week is pure solid

66
00:03:44,030 --> 00:03:52,150
ice because of the heat wave in Sydney

67
00:03:46,639 --> 00:03:52,149
and I we can all enjoy the skeptics

68
00:04:06,459 --> 00:04:15,319
now it's time for dr. Rachel reports

69
00:04:09,830 --> 00:04:17,150
with dr. Rachel Dunlop okay and so we

70
00:04:15,318 --> 00:04:18,798
welcome now to the skeptic zone dr.

71
00:04:17,149 --> 00:04:20,988
Simon bryce from the Royal Melbourne

72
00:04:18,798 --> 00:04:23,449
Institute of Technology hi Simon welcome

73
00:04:20,988 --> 00:04:25,789
to the skeptic zone hi Rachel thanks

74
00:04:23,449 --> 00:04:27,050
very much for having us so Simon can you

75
00:04:25,790 --> 00:04:30,979
just tell me a little bit about your

76
00:04:27,050 --> 00:04:32,660
academic background well myself and the

77
00:04:30,978 --> 00:04:34,939
other cheek and chief investigator the

78
00:04:32,660 --> 00:04:38,180
project beretta raza both chiropractors

79
00:04:34,939 --> 00:04:40,879
by trade my previous experience was also

80
00:04:38,180 --> 00:04:42,590
in a degree in human biology where I was

81
00:04:40,879 --> 00:04:44,228
on my way to becoming a microvascular

82
00:04:42,589 --> 00:04:47,629
physiologist before getting into

83
00:04:44,228 --> 00:04:50,629
chiropractic as a clinical background I

84
00:04:47,629 --> 00:04:52,100
did some research to the University of

85
00:04:50,629 --> 00:04:54,019
Melbourne for a while as a what's called

86

00:04:52,100 --> 00:04:56,689
a pink red fellow a primary health care

87
00:04:54,019 --> 00:04:59,199
research evaluation and development so

88
00:04:56,689 --> 00:05:02,660
are there but it's a little bit of

89
00:04:59,199 --> 00:05:04,069
qualitative research and I think I'm

90
00:05:02,660 --> 00:05:06,889
still up mrs. if not a very fellow

91
00:05:04,069 --> 00:05:09,259
somewhere along the line there then took

92
00:05:06,889 --> 00:05:11,240
some time off from researching to do

93
00:05:09,259 --> 00:05:13,659
masters in neuroscience which I'm still

94
00:05:11,240 --> 00:05:16,030
just carding up with faces at the moment

95
00:05:13,660 --> 00:05:19,550
and also do some teaching as well that

96
00:05:16,029 --> 00:05:22,009
MIT and sessional things here and there

97
00:05:19,550 --> 00:05:25,310
are three we educate the final year

98
00:05:22,009 --> 00:05:28,550
chiropractic students and yes a couple

99
00:05:25,310 --> 00:05:31,610
of tea etc okay so so what was it that

100
00:05:28,550 --> 00:05:32,870

prompted you to duty study but and I as

101

00:05:31,610 --> 00:05:34,970

well as take you to get at the

102

00:05:32,870 --> 00:05:38,240

University we both practice together as

103

00:05:34,970 --> 00:05:40,430

well in private practice and my special

104

00:05:38,240 --> 00:05:42,288

area of interest is neurological

105

00:05:40,430 --> 00:05:44,329

conditions specifically balance and then

106

00:05:42,288 --> 00:05:47,329

vestibular rehabilitation therapies are

107

00:05:44,329 --> 00:05:50,089

balanced rehabilitation and Brett treats

108

00:05:47,329 --> 00:05:52,189

a lot of elite athletes sorely little

109

00:05:50,089 --> 00:05:54,949

basketballs runners you know a whole

110

00:05:52,189 --> 00:05:57,110

bunch of other different athletes and we

111

00:05:54,949 --> 00:05:58,668

were each getting our own sort of

112

00:05:57,110 --> 00:06:01,970

patient populations coming in asking

113

00:05:58,668 --> 00:06:03,560

about these bands repeatedly the

114

00:06:01,970 --> 00:06:05,960

athletes would come in and say i'm using

115
00:06:03,560 --> 00:06:07,788
this how does it work and the balance

116
00:06:05,959 --> 00:06:11,180
patients were come in and say should I

117
00:06:07,788 --> 00:06:11,839
get this and we'll work and it's just

118
00:06:11,180 --> 00:06:13,160
one of the phenomena

119
00:06:11,839 --> 00:06:15,500
sort of crept up on us and most of the

120
00:06:13,160 --> 00:06:17,030
time these things coming goal is as most

121
00:06:15,500 --> 00:06:19,430
people in clinical and academic field

122
00:06:17,029 --> 00:06:20,869
nor as you know me but are magnets and

123
00:06:19,430 --> 00:06:24,110
copper bracelets and all different types

124
00:06:20,870 --> 00:06:25,668
of other metals usually but this seemed

125
00:06:24,110 --> 00:06:28,129
just seemed to be really quite

126
00:06:25,668 --> 00:06:31,039
phenomenal in its in its uptake in the

127
00:06:28,129 --> 00:06:34,069
general population so we decided we had

128
00:06:31,040 --> 00:06:35,270
the equipment and we'd have a bit of fun

129
00:06:34,069 --> 00:06:36,889
and give it a go find out for ourselves

130
00:06:35,269 --> 00:06:39,639
because we couldn't find anything in the

131
00:06:36,889 --> 00:06:42,079
literature anywhere not surprisingly and

132
00:06:39,639 --> 00:06:44,900
we thought we could design a project in

133
00:06:42,079 --> 00:06:47,180
dumb in front of us up well that's funny

134
00:06:44,899 --> 00:06:49,339
you should mention that Simon because as

135
00:06:47,180 --> 00:06:50,959
it turns out power balance couldn't find

136
00:06:49,339 --> 00:06:52,609
anything in the literature either when

137
00:06:50,959 --> 00:06:55,189
the a triple c ask them for evidence

138
00:06:52,610 --> 00:06:57,889
they said there's no scientific evidence

139
00:06:55,189 --> 00:06:59,899
to support our claims and I mean some of

140
00:06:57,889 --> 00:07:02,060
the claims that they make which use do

141
00:06:59,899 --> 00:07:04,459
you do cite in your study and you've put

142
00:07:02,060 --> 00:07:06,079
into your study is that they claim that

143

00:07:04,459 --> 00:07:09,649
it improves your ballot your balance

144
00:07:06,079 --> 00:07:11,569
your flexibility it also has a mile a

145
00:07:09,649 --> 00:07:13,219
hologram which is embedded with a range

146
00:07:11,569 --> 00:07:15,649
of frequencies that react positively

147
00:07:13,220 --> 00:07:17,690
with your body's energy field they

148
00:07:15,649 --> 00:07:20,659
result in faster synaptic responses I

149
00:07:17,689 --> 00:07:22,339
mean as a person with a physiology

150
00:07:20,660 --> 00:07:25,340
background does that make any sense to

151
00:07:22,339 --> 00:07:27,619
you no look I think what happens with

152
00:07:25,339 --> 00:07:30,469
these sort of things is and we did find

153
00:07:27,620 --> 00:07:32,240
some research on what's called human

154
00:07:30,470 --> 00:07:34,240
frequencies which are extremely low

155
00:07:32,240 --> 00:07:36,259
frequency electromagnetic fields and

156
00:07:34,240 --> 00:07:38,598
their effects on human physiology

157
00:07:36,259 --> 00:07:40,250

there's a few papers out there are not

158

00:07:38,598 --> 00:07:43,459

that are quite well done and this is a

159

00:07:40,250 --> 00:07:45,649

recognised feel of studying in physics

160

00:07:43,459 --> 00:07:49,489

but a lot of people try and sort of hits

161

00:07:45,649 --> 00:07:50,629

their trailer to the contest so one

162

00:07:49,490 --> 00:07:52,939

thing to say that there are human

163

00:07:50,629 --> 00:07:55,668

frequencies and that these dlf fields

164

00:07:52,939 --> 00:07:57,110

you know affect human physiology it's

165

00:07:55,668 --> 00:07:59,418

another thing to then say that what

166

00:07:57,110 --> 00:08:01,520

you've produced subsequently effects

167

00:07:59,418 --> 00:08:04,519

that and then that positively affects

168

00:08:01,519 --> 00:08:08,000

the person so it's a big leap very big

169

00:08:04,519 --> 00:08:11,240

leap and and ultimately sifting through

170

00:08:08,000 --> 00:08:12,649

that we we saw that the claims and the

171

00:08:11,240 --> 00:08:15,530

mechanisms that they were claiming

172
00:08:12,649 --> 00:08:17,779
behind it but we sort of set out to sort

173
00:08:15,529 --> 00:08:19,728
of have a look at the if you've work

174
00:08:17,779 --> 00:08:21,918
rather than the house and we're going to

175
00:08:19,728 --> 00:08:23,598
be fined as an if then potentially later

176
00:08:21,918 --> 00:08:25,279
we'll concentrate on how but at the

177
00:08:23,598 --> 00:08:27,379
moment let's just find out if

178
00:08:25,279 --> 00:08:28,879
anything you know and not get too bogged

179
00:08:27,379 --> 00:08:31,850
down in the in the potential theory

180
00:08:28,879 --> 00:08:35,149
which may be may be spot-on and maybe

181
00:08:31,850 --> 00:08:36,950
absolute rubbish you know well let's

182
00:08:35,149 --> 00:08:39,889
talk about the trial then you did a

183
00:08:36,950 --> 00:08:43,039
randomized placebo-controlled trial with

184
00:08:39,889 --> 00:08:45,379
42 subjects now can you tell us a little

185
00:08:43,038 --> 00:08:48,860
bit about how you set up the trial

186
00:08:45,379 --> 00:08:51,409
because you had a placebo and then you

187
00:08:48,860 --> 00:08:53,450
had the power balance band tell me what

188
00:08:51,409 --> 00:08:57,850
was your casino how did you develop that

189
00:08:53,450 --> 00:09:01,490
we actually took a real valence band and

190
00:08:57,850 --> 00:09:03,649
excised the hologram from it and then

191
00:09:01,490 --> 00:09:05,990
ran down and manufactured some stainless

192
00:09:03,649 --> 00:09:08,539
steel from a nurse stainless steel discs

193
00:09:05,990 --> 00:09:11,089
to the same size and light as the hollow

194
00:09:08,539 --> 00:09:13,279
bench and replace the Holograms with

195
00:09:11,089 --> 00:09:15,830
those for those disks and after that we

196
00:09:13,279 --> 00:09:18,049
to both the real device and a placebo

197
00:09:15,830 --> 00:09:20,450
device and we cover them with a few

198
00:09:18,049 --> 00:09:21,379
sticky dots and turn them inside out so

199
00:09:20,450 --> 00:09:24,200
that people didn't know which one was

200

00:09:21,379 --> 00:09:26,659
which but to hold visually they look the

201
00:09:24,200 --> 00:09:27,950
same to hold they felt the same but one

202
00:09:26,659 --> 00:09:29,269
of the Holograms of the place for the

203
00:09:27,950 --> 00:09:31,720
Holograms I'm one river place for the

204
00:09:29,269 --> 00:09:34,279
steel discs and so you actually

205
00:09:31,720 --> 00:09:36,009
concentrated on monitoring balance

206
00:09:34,279 --> 00:09:38,899
didn't assignment and you used

207
00:09:36,009 --> 00:09:40,370
computerized dynamic posture ography can

208
00:09:38,899 --> 00:09:43,220
you explain to our listeners how that

209
00:09:40,370 --> 00:09:46,039
works sure it's reasonably standardized

210
00:09:43,220 --> 00:09:48,980
way to measure balance in the body and a

211
00:09:46,039 --> 00:09:52,039
clinical setting as well what it is it's

212
00:09:48,980 --> 00:09:54,370
a fancy way of saying 90 set of scales

213
00:09:52,039 --> 00:09:57,439
effectively so people stand on a

214
00:09:54,370 --> 00:09:59,659

platform of balance plate and it

215

00:09:57,440 --> 00:10:01,550

measures sway so how far forward

216

00:09:59,659 --> 00:10:03,469

backwards left right people are leaning

217

00:10:01,549 --> 00:10:05,120

at any given point and of course in

218

00:10:03,470 --> 00:10:07,370

normal balance we're all moving

219

00:10:05,120 --> 00:10:09,679

backwards and forwards in any given

220

00:10:07,370 --> 00:10:11,240

direction a little bit all the time and

221

00:10:09,679 --> 00:10:13,129

what we can do with this plate is

222

00:10:11,240 --> 00:10:15,529

measured that quite accurately but also

223

00:10:13,129 --> 00:10:18,350

we measure people under different

224

00:10:15,529 --> 00:10:20,329

circumstances so standing on the pipe

225

00:10:18,350 --> 00:10:21,830

with their eyes open means that people

226

00:10:20,330 --> 00:10:24,920

are receiving information about where

227

00:10:21,830 --> 00:10:27,080

they are in space with all their inputs

228

00:10:24,919 --> 00:10:29,120

so feedback from muscles and joints like

229
00:10:27,080 --> 00:10:30,920
the ankles in particular feedback from

230
00:10:29,120 --> 00:10:33,049
their eyes and feedback from their inner

231
00:10:30,919 --> 00:10:36,229
ear damaged systems then we can

232
00:10:33,049 --> 00:10:37,609
eliminate one or another system by

233
00:10:36,230 --> 00:10:38,970
getting them to do simple things like

234
00:10:37,610 --> 00:10:41,519
clothe their eyes

235
00:10:38,970 --> 00:10:43,920
again or stand on a phone surface which

236
00:10:41,519 --> 00:10:45,810
will confuse the joint feedback measure

237
00:10:43,919 --> 00:10:48,328
them again or phone service with eyes

238
00:10:45,809 --> 00:10:49,409
closed and measure them again and from

239
00:10:48,328 --> 00:10:51,359
that we get a whole bunch of data about

240
00:10:49,409 --> 00:10:53,549
how different people handle those

241
00:10:51,360 --> 00:10:55,980
different circumstances and an analog of

242
00:10:53,549 --> 00:10:57,750
fudge and I think it's important to note

243
00:10:55,980 --> 00:10:59,909
also that the person operating that

244
00:10:57,750 --> 00:11:02,698
machine didn't know whether the

245
00:10:59,909 --> 00:11:04,350
participant had the placebo or the power

246
00:11:02,698 --> 00:11:05,849
balance is that correct yeah that's

247
00:11:04,350 --> 00:11:09,329
right we blinded the operator which

248
00:11:05,850 --> 00:11:10,860
happen to be me and and each group of

249
00:11:09,328 --> 00:11:14,008
participants which we randomized into

250
00:11:10,860 --> 00:11:15,750
two groups would go through testing one

251
00:11:14,009 --> 00:11:18,360
week where they were tested with the

252
00:11:15,750 --> 00:11:20,278
real device nothing and then at the 47

253
00:11:18,360 --> 00:11:21,839
of us then they'd have that auto-reverse

254
00:11:20,278 --> 00:11:23,818
the following week and then another

255
00:11:21,839 --> 00:11:25,829
group actually did but see though

256
00:11:23,818 --> 00:11:27,448
nothing real the Bison and have that

257

00:11:25,828 --> 00:11:30,120
over reversed the following week and

258
00:11:27,448 --> 00:11:32,849
they never knew which the x feller using

259
00:11:30,120 --> 00:11:34,889
when they had others available pasiba so

260
00:11:32,850 --> 00:11:38,250
we can hardly wait to hear Simon what

261
00:11:34,889 --> 00:11:40,769
happened what were the results well as

262
00:11:38,250 --> 00:11:42,419
you can probably imagine there was no

263
00:11:40,769 --> 00:11:44,399
statistically significant difference

264
00:11:42,419 --> 00:11:47,729
between any of the groups across any of

265
00:11:44,399 --> 00:11:51,350
the procedures and even across time

266
00:11:47,730 --> 00:11:54,389
there was a trend for people to improve

267
00:11:51,350 --> 00:11:56,550
using so he did their standing on a

268
00:11:54,389 --> 00:11:58,289
phone with their eyes closed but

269
00:11:56,549 --> 00:11:59,818
everybody improved over time which

270
00:11:58,289 --> 00:12:02,519
effectively means it wasn't learning

271
00:11:59,818 --> 00:12:04,110

effect but as far as using the bracelets

272

00:12:02,519 --> 00:12:07,860
was concerned there was no difference

273

00:12:04,110 --> 00:12:09,480
between baseline and placebo in fact it

274

00:12:07,860 --> 00:12:11,459
was a little bit of a trend towards

275

00:12:09,480 --> 00:12:13,620
getting worse we divers up receiver with

276

00:12:11,458 --> 00:12:16,169
a real device but again not

277

00:12:13,620 --> 00:12:17,850
statistically significant what was

278

00:12:16,169 --> 00:12:20,250
interesting for us is that we didn't

279

00:12:17,850 --> 00:12:22,920
even see a placebo effect normally in

280

00:12:20,250 --> 00:12:24,389
this sort of a study if we were asking

281

00:12:22,919 --> 00:12:26,159
people how has helped about their

282

00:12:24,389 --> 00:12:28,289
balance we might assume that they would

283

00:12:26,159 --> 00:12:30,448
feel a bit better with the wheel or the

284

00:12:28,289 --> 00:12:32,578
placebo device but because we were

285

00:12:30,448 --> 00:12:34,889
measuring so objectively we didn't see

286

00:12:32,578 --> 00:12:36,419
anybody that effect at all and that's

287

00:12:34,889 --> 00:12:38,669
because you mentioned this in your paper

288

00:12:36,419 --> 00:12:41,219
that you weren't asking them to report

289

00:12:38,669 --> 00:12:42,750
how they thought they performed you were

290

00:12:41,220 --> 00:12:46,699
just measuring their performance right

291

00:12:42,750 --> 00:12:48,870
yep just doing it totally objective

292

00:12:46,698 --> 00:12:51,389
quantitative while using the measurement

293

00:12:48,870 --> 00:12:53,610
platform and the perfect software

294

00:12:51,389 --> 00:12:55,319
and you didn't really why I'm unless

295

00:12:53,610 --> 00:12:58,710
they told us I felt like I gotta puke

296

00:12:55,320 --> 00:12:59,790
and we get him a bucket we didn't care

297

00:12:58,710 --> 00:13:00,870
about how they felt about their balance

298

00:12:59,789 --> 00:13:02,459
we only measured about how we can

299

00:13:00,870 --> 00:13:05,129
measure it concern about how that

300
00:13:02,460 --> 00:13:07,170
measure it so you also mentioned that

301
00:13:05,129 --> 00:13:09,210
you didn't investigate some of the other

302
00:13:07,169 --> 00:13:11,579
claims that power balance particularly

303
00:13:09,210 --> 00:13:13,230
they make which is that their bracelet

304
00:13:11,580 --> 00:13:15,120
improves strength flexibility and

305
00:13:13,230 --> 00:13:16,740
endurance but you made a comment that

306
00:13:15,120 --> 00:13:19,259
because the hologram seemed to have no

307
00:13:16,740 --> 00:13:20,460
effect on balance you suggested that

308
00:13:19,259 --> 00:13:22,139
it's probably not going to have any

309
00:13:20,460 --> 00:13:25,879
other effects either what do you say

310
00:13:22,139 --> 00:13:30,330
about that oh look we think it's some

311
00:13:25,879 --> 00:13:31,830
well let me partly comes down to we're

312
00:13:30,330 --> 00:13:34,440
talking about earlier the potential

313
00:13:31,830 --> 00:13:36,060
mechanisms behind it you know we've sort

314

00:13:34,440 --> 00:13:38,220
of showing that well it doesn't include

315
00:13:36,059 --> 00:13:40,469
balance which is quite a dynamic process

316
00:13:38,220 --> 00:13:43,230
that involves several different

317
00:13:40,470 --> 00:13:46,019
neurological and muscular skeletal

318
00:13:43,230 --> 00:13:47,820
systems coordinated all at once then

319
00:13:46,019 --> 00:13:48,990
it's unlikely that other things such as

320
00:13:47,820 --> 00:13:52,050
strength and flexibility which

321
00:13:48,990 --> 00:13:54,480
ultimately can be even components of

322
00:13:52,049 --> 00:13:57,659
balance would move would be affected in

323
00:13:54,480 --> 00:13:58,860
any way we think it's it's highly

324
00:13:57,659 --> 00:14:01,110
unlikely again we better leave ourselves

325
00:13:58,860 --> 00:14:02,519
open and say look some of the head needs

326
00:14:01,110 --> 00:14:05,610
to come along and test this stuff as

327
00:14:02,519 --> 00:14:07,649
well and you know I've got a sneaking

328
00:14:05,610 --> 00:14:10,379

suspicion that some of the groups want

329

00:14:07,649 --> 00:14:12,809

to do that but at the moment we think

330

00:14:10,379 --> 00:14:15,539

it's pretty are marking well then based

331

00:14:12,809 --> 00:14:16,799

on your findings in your opinion Simon

332

00:14:15,539 --> 00:14:18,329

do you think that perhaps some of the

333

00:14:16,799 --> 00:14:20,009

things that power ballads claim about

334

00:14:18,330 --> 00:14:23,310

their product could be construed as may

335

00:14:20,009 --> 00:14:25,799

be false advertising in Australia I

336

00:14:23,309 --> 00:14:29,009

understand that what happened with the a

337

00:14:25,799 --> 00:14:31,069

Triple C and the city goods Association

338

00:14:29,009 --> 00:14:33,330

is that they were actually in breach of

339

00:14:31,070 --> 00:14:35,310

the Trade Practices Act because they

340

00:14:33,330 --> 00:14:36,930

were making see repeated claims and

341

00:14:35,309 --> 00:14:41,159

hadn't actually registered the device

342

00:14:36,929 --> 00:14:42,929

with as a therapeutic good so never god

343
00:14:41,159 --> 00:14:45,779
yes they're making claims that are

344
00:14:42,929 --> 00:14:47,609
unsubstantiated we've gone from a

345
00:14:45,779 --> 00:14:49,379
situation where we've had no evidence

346
00:14:47,610 --> 00:14:51,450
that it did work but also no evidence

347
00:14:49,379 --> 00:14:54,450
that it didn't now we've got evidence

348
00:14:51,450 --> 00:14:56,100
that it doesn't and so that some sir you

349
00:14:54,450 --> 00:14:58,379
guys change the place you have a little

350
00:14:56,100 --> 00:15:01,019
bit means that you know they certainly

351
00:14:58,379 --> 00:15:02,639
need to become a little California well

352
00:15:01,019 --> 00:15:05,528
it's very interesting because when all

353
00:15:02,639 --> 00:15:09,220
the news came out about the HR policy

354
00:15:05,528 --> 00:15:11,828
decision in December 2010 that also is

355
00:15:09,220 --> 00:15:15,550
now a class-action lawsuit being

356
00:15:11,828 --> 00:15:17,198
compiled in LA in the States but Power

357
00:15:15,549 --> 00:15:19,208
Balance continue to claim that their

358
00:15:17,198 --> 00:15:21,669
product works everywhere else except in

359
00:15:19,208 --> 00:15:24,969
Australia so do you think as a

360
00:15:21,669 --> 00:15:27,099
physiologist that perhaps the hologram

361
00:15:24,970 --> 00:15:29,709
might not work upside down in the

362
00:15:27,100 --> 00:15:31,360
southern hemisphere well you know again

363
00:15:29,708 --> 00:15:35,018
with if we're talking electromagnetic

364
00:15:31,360 --> 00:15:37,959
fields yeah who knows maybe you know in

365
00:15:35,019 --> 00:15:40,778
another 2,000 years we'll the polar to

366
00:15:37,958 --> 00:15:43,208
the polls will clip and everything will

367
00:15:40,778 --> 00:15:45,938
work down here and my work in the

368
00:15:43,208 --> 00:15:48,869
northern hemisphere is back again my

369
00:15:45,938 --> 00:15:51,308
knowledge of physics is think of a bit

370
00:15:48,870 --> 00:15:52,959
so you mentioned Simon that you work

371

00:15:51,308 --> 00:15:55,808
with sports people and obviously they're

372
00:15:52,958 --> 00:15:57,549
very superstitious so despite the fact

373
00:15:55,808 --> 00:15:59,828
that there's been a lot of evidence now

374
00:15:57,549 --> 00:16:01,838
to show that our power balance is

375
00:15:59,828 --> 00:16:03,698
really no more beneficial than a rubber

376
00:16:01,839 --> 00:16:08,800
band do you think they'll continue to

377
00:16:03,698 --> 00:16:11,769
wear them I had a patient last week come

378
00:16:08,799 --> 00:16:15,128
in who works at a chemist and was

379
00:16:11,769 --> 00:16:16,659
telling me that somebody came in after

380
00:16:15,129 --> 00:16:20,589
we'd actually been on the news reporting

381
00:16:16,659 --> 00:16:21,789
these results and said oh I don't care

382
00:16:20,589 --> 00:16:24,579
what they say I'm going to get one

383
00:16:21,789 --> 00:16:26,588
anyway and actually bought one and then

384
00:16:24,578 --> 00:16:28,448
it sort of struck me that people in the

385
00:16:26,589 --> 00:16:30,089

general population don't tend to worry

386

00:16:28,448 --> 00:16:32,258

too much about that sort of stuff

387

00:16:30,089 --> 00:16:33,309

whether it's proven or not there is

388

00:16:32,259 --> 00:16:34,389

something they're going to believe we're

389

00:16:33,308 --> 00:16:38,049

gardless there was something there going

390

00:16:34,389 --> 00:16:41,470

to be skeptical regardless having said

391

00:16:38,049 --> 00:16:43,990

that the athlete side of things we did

392

00:16:41,470 --> 00:16:46,480

actually have contact last year with a

393

00:16:43,990 --> 00:16:48,698

an agent for somebody for a few athletes

394

00:16:46,480 --> 00:16:50,289

wanting to know the results before hand

395

00:16:48,698 --> 00:16:52,419

so they could tell their athletes to

396

00:16:50,289 --> 00:16:54,219

stop using them if they didn't work so

397

00:16:52,419 --> 00:16:56,349

that they didn't look too foolish than

398

00:16:54,220 --> 00:16:57,730

the results were released means I I

399

00:16:56,350 --> 00:16:58,928

think that our minds will have that sort

400
00:16:57,730 --> 00:17:00,850
of stuff that I did give it probably

401
00:16:58,928 --> 00:17:03,100
depends on how high profile they are the

402
00:17:00,850 --> 00:17:05,709
average amateur football or a

403
00:17:03,100 --> 00:17:06,759
basketballer no probably couldn't care

404
00:17:05,709 --> 00:17:09,730
less and if they feel they're getting an

405
00:17:06,759 --> 00:17:10,959
advantage of and let them go we're we're

406
00:17:09,730 --> 00:17:13,240
more worried about our patients and

407
00:17:10,959 --> 00:17:16,240
having appropriate diagnosis to later

408
00:17:13,240 --> 00:17:18,849
etcetera well interestingly Djokovic was

409
00:17:16,240 --> 00:17:19,370
wearing one in the tennis a couple of

410
00:17:18,849 --> 00:17:21,889
nights ago

411
00:17:19,369 --> 00:17:24,318
and one so obviously that was because of

412
00:17:21,890 --> 00:17:25,730
the power balance band not because

413
00:17:24,318 --> 00:17:27,588
they're a very good tennis player or

414
00:17:25,730 --> 00:17:31,430
anything to do with their skills it was

415
00:17:27,588 --> 00:17:33,558
a bad so well the blogosphere guys in

416
00:17:31,430 --> 00:17:34,850
the file i suppose and you know going to

417
00:17:33,558 --> 00:17:38,058
be losers it may be because the damage

418
00:17:34,849 --> 00:17:41,389
on the wrong restore upside down again

419
00:17:38,058 --> 00:17:44,180
you know we have had one group contact

420
00:17:41,390 --> 00:17:46,370
us claiming that should be using it on

421
00:17:44,180 --> 00:17:48,170
the left side not the right because the

422
00:17:46,369 --> 00:17:52,279
that's apparently where energy enters

423
00:17:48,170 --> 00:17:54,980
the bike yeah it's a little bit but you

424
00:17:52,279 --> 00:17:56,119
know again you know so one of the really

425
00:17:54,980 --> 00:17:59,029
interesting things that you've just

426
00:17:56,119 --> 00:18:00,979
mentioned to me is that I'm a lot of

427
00:17:59,029 --> 00:18:03,049
people would say well if it's placebo

428

00:18:00,980 --> 00:18:04,549
the placebo effect is a real effect

429
00:18:03,049 --> 00:18:06,710
therefore it works but you're saying

430
00:18:04,549 --> 00:18:08,240
that you didn't even find a placebo

431
00:18:06,710 --> 00:18:10,789
effect with these bands that's something

432
00:18:08,240 --> 00:18:12,319
really interesting yeah definitely this

433
00:18:10,789 --> 00:18:14,690
from the quantitative measures that we

434
00:18:12,319 --> 00:18:18,439
did we didn't see any positive effect at

435
00:18:14,690 --> 00:18:22,370
all so I suppose it means if there's a

436
00:18:18,440 --> 00:18:24,350
real world effect then what we what we

437
00:18:22,369 --> 00:18:26,479
think is happening is that yes it's odd

438
00:18:24,349 --> 00:18:28,639
a semi effect so it's a perception of

439
00:18:26,480 --> 00:18:31,250
improvement not necessarily an actual

440
00:18:28,640 --> 00:18:33,050
improvement or like anything else people

441
00:18:31,250 --> 00:18:35,058
the more they do physical activity so

442
00:18:33,049 --> 00:18:36,139

for example that put one on and keep

443

00:18:35,058 --> 00:18:37,460
playing golf they're just practicing

444

00:18:36,140 --> 00:18:39,200
golf more so they're getting better

445

00:18:37,460 --> 00:18:41,829
because they're practicing and doing it

446

00:18:39,200 --> 00:18:44,990
more it's probably have to take a look

447

00:18:41,829 --> 00:18:46,428
so just a final final question Simon why

448

00:18:44,990 --> 00:18:49,910
do you think then this product has been

449

00:18:46,429 --> 00:18:51,950
so successful because since 2007 these

450

00:18:49,910 --> 00:18:54,230
two guys have sold more than three

451

00:18:51,950 --> 00:18:56,420
million units of these things and I've

452

00:18:54,230 --> 00:18:59,179
seen them myself we also have as you've

453

00:18:56,420 --> 00:19:01,250
just heard a placebo band which is made

454

00:18:59,179 --> 00:19:03,740
in the same company for about two

455

00:19:01,250 --> 00:19:05,779
dollars and the power balance bands sell

456

00:19:03,740 --> 00:19:08,630
for up to sixty dollars here why do you

457
00:19:05,779 --> 00:19:12,710
think it's so successful I think it's

458
00:19:08,630 --> 00:19:14,809
some great marketing terrific

459
00:19:12,710 --> 00:19:16,490
endorsements from well my athlete so

460
00:19:14,808 --> 00:19:17,720
they're nothing to be sneezed at when

461
00:19:16,490 --> 00:19:19,789
you're trying to market something to

462
00:19:17,720 --> 00:19:25,130
athletes both amateur and professional

463
00:19:19,789 --> 00:19:27,470
and it's pretty yeah it's kind of glue

464
00:19:25,130 --> 00:19:30,140
be looking and people like a trend ain't

465
00:19:27,470 --> 00:19:32,299
the best I can say yeah the other thing

466
00:19:30,140 --> 00:19:33,049
from clinical aspect is that what we're

467
00:19:32,299 --> 00:19:36,378
seeing

468
00:19:33,048 --> 00:19:38,739
is that people want a quick fix you know

469
00:19:36,378 --> 00:19:41,509
so rather than going through weeks of

470
00:19:38,739 --> 00:19:43,610
vestibular rehabilitative therapy they

471
00:19:41,509 --> 00:19:45,470
want to put a band on and get better

472
00:19:43,609 --> 00:19:47,959
balance you know just like people like

473
00:19:45,470 --> 00:19:51,048
to take a pill and feminazis go away or

474
00:19:47,960 --> 00:19:52,460
what have you so yeah people it's you

475
00:19:51,048 --> 00:19:54,950
know a little bit about people want that

476
00:19:52,460 --> 00:19:57,980
edge but there anything to get it and

477
00:19:54,950 --> 00:20:00,528
also there's a trend aspect and one for

478
00:19:57,980 --> 00:20:02,690
quick fix okay so Simon obviously your

479
00:20:00,528 --> 00:20:04,190
publication is currently impressed in

480
00:20:02,690 --> 00:20:05,808
the Journal of bodywork and movement

481
00:20:04,190 --> 00:20:08,090
therapies when do you expect it will be

482
00:20:05,808 --> 00:20:09,678
published we're hoping will be in the

483
00:20:08,089 --> 00:20:13,128
next issue which will be in a pool that

484
00:20:09,679 --> 00:20:16,009
we just we just finished reviewing the

485

00:20:13,128 --> 00:20:18,769
article of the moment so dr. them at the

486
00:20:16,009 --> 00:20:20,358
boat hopefully arikil okay so in the

487
00:20:18,769 --> 00:20:22,608
meantime how can a listers find out more

488
00:20:20,358 --> 00:20:24,038
about this particular study or more

489
00:20:22,608 --> 00:20:26,720
about the research that you're doing

490
00:20:24,038 --> 00:20:30,769
they can just get onto RMIT's website

491
00:20:26,720 --> 00:20:32,629
but mit.edu a you or contact our mighty

492
00:20:30,769 --> 00:20:34,308
media and they can issue press release

493
00:20:32,628 --> 00:20:35,719
or you can get in contact with me

494
00:20:34,308 --> 00:20:38,839
directly through our mighty medium as

495
00:20:35,720 --> 00:20:40,429
well alright well thanks very much dr.

496
00:20:38,839 --> 00:20:44,259
Simon Bryce for joining us today on the

497
00:20:40,429 --> 00:20:44,259
skeptic zone thank you

498
00:20:55,440 --> 00:21:02,200
and now I have a few more snippets just

499
00:20:59,680 --> 00:21:04,810

in case you haven't had enough of Power

500

00:21:02,200 --> 00:21:07,180

Balance just yet and I think we've all

501

00:21:04,809 --> 00:21:09,819

had enough but anyway if you're

502

00:21:07,180 --> 00:21:12,430

interested in following the lawsuit

503

00:21:09,819 --> 00:21:18,359

against Power Balance you can go to HTTP

504

00:21:12,430 --> 00:21:23,920

colon slash slash ww Power Balance class

505

00:21:18,359 --> 00:21:28,509

action com oh what a sweet URL that is

506

00:21:23,920 --> 00:21:30,279

power balance class action calm also we

507

00:21:28,509 --> 00:21:33,069

notice that the New Zealand Prime

508

00:21:30,279 --> 00:21:35,619

Minister John Key hello everybody

509

00:21:33,069 --> 00:21:38,500

listening in New Zealand am sorry your

510

00:21:35,619 --> 00:21:40,359

Prime Minister's doing this was

511

00:21:38,500 --> 00:21:43,930

photographed wearing a power balance

512

00:21:40,359 --> 00:21:46,269

wristband what he's been taken to task

513

00:21:43,930 --> 00:21:48,820

by the New Zealand media at the moment

514
00:21:46,269 --> 00:21:50,109
and so he should goodness me I've come

515
00:21:48,819 --> 00:21:52,869
across the web site of another

516
00:21:50,109 --> 00:21:56,139
interesting product which looks very

517
00:21:52,869 --> 00:22:01,539
much like Power Balance called improve

518
00:21:56,140 --> 00:22:05,580
balance bands calm yes or at improved

519
00:22:01,539 --> 00:22:08,409
balance on Twitter and they are very

520
00:22:05,579 --> 00:22:10,240
closely following what power balance

521
00:22:08,410 --> 00:22:12,070
doers in their advertising in their

522
00:22:10,240 --> 00:22:14,950
promotional blurbs in fact the

523
00:22:12,069 --> 00:22:18,669
promotional blurbs on improved balance

524
00:22:14,950 --> 00:22:22,090
parents calm is verbatim from power

525
00:22:18,670 --> 00:22:24,519
balance who is copping whom I wonder and

526
00:22:22,089 --> 00:22:28,089
finally I will leave you with the words

527
00:22:24,519 --> 00:22:31,450
of Melbourne chiropractor dr. Matt

528
00:22:28,089 --> 00:22:35,470
Bateman who last year at any rate was a

529
00:22:31,450 --> 00:22:38,539
fan of power balance wristbands

530
00:22:35,470 --> 00:22:40,549
Melbourne chiropractor dr. Matt Bateman

531
00:22:38,539 --> 00:22:43,789
has tried it on hundreds of his patients

532
00:22:40,549 --> 00:22:47,000
even staking his reputation on it can

533
00:22:43,789 --> 00:22:49,940
increase strength balance stability and

534
00:22:47,000 --> 00:22:50,869
core power so and flexibility as well so

535
00:22:49,940 --> 00:22:53,420
there's a lot of things that can

536
00:22:50,869 --> 00:22:55,819
actually do hold now do you feel

537
00:22:53,420 --> 00:22:57,200
stronger ok it's I'm putting a lot more

538
00:22:55,819 --> 00:22:59,929
pressure there's only so much you can

539
00:22:57,200 --> 00:23:01,819
fake I'm not faking five hundred percent

540
00:22:59,930 --> 00:23:03,410
increase strength and stability is which

541
00:23:01,819 --> 00:23:10,250
is what I felt when I first did the test

542

00:23:03,410 --> 00:23:12,710
I can't fake that hey boo oh hey bro

543
00:23:10,250 --> 00:23:15,619
what on your wrist is that a balance

544
00:23:12,710 --> 00:23:18,230
pavan what the no no this is a placebo

545
00:23:15,619 --> 00:23:21,019
man a what that's right new from skeptic

546
00:23:18,230 --> 00:23:22,640
Bruce com+ superb and no more popping

547
00:23:21,019 --> 00:23:25,190
pills painful needles or smelly

548
00:23:22,640 --> 00:23:26,960
ointments huh the suburban uses two

549
00:23:25,190 --> 00:23:29,059
powerful scientifically proven affects

550
00:23:26,960 --> 00:23:30,980
the placebo effect and confirmation bias

551
00:23:29,059 --> 00:23:32,839
seriously there's no one else here who

552
00:23:30,980 --> 00:23:34,309
are you yelling at the super bands in

553
00:23:32,839 --> 00:23:35,990
five fashionable colors are available

554
00:23:34,309 --> 00:23:38,960
for only two dollars each plus postage

555
00:23:35,990 --> 00:23:41,420
and handling from skeptic bros com get

556
00:23:38,960 --> 00:23:43,490

yours today why do I even talk to you

557

00:23:41,420 --> 00:23:45,640

I'm your brother and mum says you have

558

00:23:43,490 --> 00:23:45,640

to

559

00:23:48,009 --> 00:23:55,349

here's may not spooky action at the

560

00:23:53,210 --> 00:23:56,940

distance

561

00:23:55,349 --> 00:23:58,379

I've investigated some pretty stupid

562

00:23:56,940 --> 00:23:59,970

things in my time but one of the most

563

00:23:58,380 --> 00:24:03,630

stupid things that's come to my notice

564

00:23:59,970 --> 00:24:06,058

recently from overseas podcasts adam

565

00:24:03,630 --> 00:24:10,140

curry has covered it extensively is some

566

00:24:06,058 --> 00:24:13,129

the big vodka eyeball shot fiasco this

567

00:24:10,140 --> 00:24:16,669

is where people usually young people

568

00:24:13,130 --> 00:24:19,350

doing vodka shots into their eye who

569

00:24:16,669 --> 00:24:20,759

would do that I don't know I've seen

570

00:24:19,349 --> 00:24:23,250

pretty stupid people doing it laptop

571
00:24:20,759 --> 00:24:24,900
come to an I'm tamo trust here in MZ hi

572
00:24:23,250 --> 00:24:27,179
na IM good thanks very much how are you

573
00:24:24,900 --> 00:24:29,640
drinking vodka can be dangerous enough

574
00:24:27,179 --> 00:24:32,309
without pouring into your eye Oh exactly

575
00:24:29,640 --> 00:24:34,710
yeah and forty percent alcohol as you

576
00:24:32,308 --> 00:24:36,538
know vodkas been used as disinfectant

577
00:24:34,710 --> 00:24:38,279
yeah what do you do poor disinfectant in

578
00:24:36,538 --> 00:24:40,288
your eye I mean it's a very very stupid

579
00:24:38,279 --> 00:24:42,210
thing to do now the idea is that it

580
00:24:40,288 --> 00:24:43,890
actually gets you drunk faster because

581
00:24:42,210 --> 00:24:46,259
there's blood vessels in your eyes that

582
00:24:43,890 --> 00:24:48,809
comes orb the vodka faster than it can

583
00:24:46,259 --> 00:24:51,329
through your stomach from a man who is a

584
00:24:48,808 --> 00:24:53,009
drinker be an optometrist what's your

585
00:24:51,329 --> 00:24:54,990
professional opinion on this idea ah

586
00:24:53,009 --> 00:24:56,849
totally false I mean there might be some

587
00:24:54,990 --> 00:24:58,890
very very minimal absorption but it'd be

588
00:24:56,849 --> 00:25:00,418
incredibly tiny compared to what the

589
00:24:58,890 --> 00:25:02,400
stomach and especially is small

590
00:25:00,419 --> 00:25:04,169
intestine can do so go through what

591
00:25:02,400 --> 00:25:06,600
would happen if you poured something

592
00:25:04,169 --> 00:25:09,000
like vodka or any alcohol directly into

593
00:25:06,599 --> 00:25:11,129
your eye most of it would spill out for

594
00:25:09,000 --> 00:25:13,710
start because the I can really only hold

595
00:25:11,130 --> 00:25:15,630
one drop maybe even two but maybe a one

596
00:25:13,710 --> 00:25:17,009
drop but most of it would just pull

597
00:25:15,630 --> 00:25:18,809
straight out all you're going to really

598
00:25:17,009 --> 00:25:20,879
get in there is one drop for a little

599

00:25:18,808 --> 00:25:23,308
while and it's just going to be very

600
00:25:20,880 --> 00:25:24,990
irritating to the to the conjunctiva the

601
00:25:23,308 --> 00:25:26,339
membranes the delicate membranes around

602
00:25:24,990 --> 00:25:28,319
over the white part of the eye on the

603
00:25:26,339 --> 00:25:30,750
inside of the lid what damage to the

604
00:25:28,319 --> 00:25:32,308
vision can you expect probably it'll be

605
00:25:30,750 --> 00:25:33,839
a little bit of swelling maybe the next

606
00:25:32,308 --> 00:25:35,668
day so it could be a little bit blurry

607
00:25:33,839 --> 00:25:37,678
for with swelling of the cornea which is

608
00:25:35,669 --> 00:25:39,000
the clear membrane over the front of the

609
00:25:37,679 --> 00:25:41,460
eye and so there could be a little bit

610
00:25:39,000 --> 00:25:43,349
blur in the next day but it repeated

611
00:25:41,460 --> 00:25:45,840
exposures Yearwood with certainly course

612
00:25:43,349 --> 00:25:47,490
some big problems and in these videos we

613
00:25:45,839 --> 00:25:50,099

see the people doing it and the idea is

614

00:25:47,490 --> 00:25:52,288

that they get more drunk but we've never

615

00:25:50,099 --> 00:25:54,808

seen someone go from a sober state doing

616

00:25:52,288 --> 00:25:56,099

it so your theory that you mentioned to

617

00:25:54,808 --> 00:25:57,509

me when I rang you about this was in

618

00:25:56,099 --> 00:25:58,918

fact they're just drunk in the first

619

00:25:57,509 --> 00:26:00,629

place and this really isn't adding

620

00:25:58,919 --> 00:26:01,919

anything to it and also there's an

621

00:26:00,630 --> 00:26:03,659

inflammatory effect you are mentioning

622

00:26:01,919 --> 00:26:06,210

that happens that might block the whole

623

00:26:03,659 --> 00:26:08,190

alcohol absorption anyway it's totally

624

00:26:06,210 --> 00:26:08,460

impossible you can't go from sober to

625

00:26:08,190 --> 00:26:10,259

being

626

00:26:08,460 --> 00:26:11,730

very quickly drunk by pouring vodka in

627

00:26:10,259 --> 00:26:14,250

your eye it just is not going to happen

628
00:26:11,730 --> 00:26:17,130
it will not happen you're far better to

629
00:26:14,250 --> 00:26:18,930
have a lot of them vodka alcohol on an

630
00:26:17,130 --> 00:26:20,760
empty stomach that's the quick way to do

631
00:26:18,930 --> 00:26:22,590
it and that's why people to be doing a

632
00:26:20,759 --> 00:26:24,359
few years actually tried and true method

633
00:26:22,589 --> 00:26:26,490
for sure you mentioned an inflammatory

634
00:26:24,359 --> 00:26:28,859
response so when the alcohol hit CI what

635
00:26:26,490 --> 00:26:31,650
does the I do but movie sets up a

636
00:26:28,859 --> 00:26:33,629
reaction against the toxicity the

637
00:26:31,650 --> 00:26:36,060
chemical reaction that goes against the

638
00:26:33,630 --> 00:26:37,890
tissue and so you get a lot of blood

639
00:26:36,059 --> 00:26:39,869
vessel response to try and clear up

640
00:26:37,890 --> 00:26:41,610
whatever's causing the irritation so you

641
00:26:39,869 --> 00:26:43,349
get a lot of swelling fluid swelling to

642
00:26:41,609 --> 00:26:44,819
protect itself and a lot of blood vessel

643
00:26:43,349 --> 00:26:46,799
activity going on and there's also

644
00:26:44,819 --> 00:26:48,480
possible burning of the cornea or the

645
00:26:46,799 --> 00:26:50,279
clear part which incredibly painful

646
00:26:48,480 --> 00:26:51,930
because it's the most sensitive part of

647
00:26:50,279 --> 00:26:53,339
the body has got the most pain nerve

648
00:26:51,930 --> 00:26:54,810
endings that anywhere in the body so

649
00:26:53,339 --> 00:26:56,369
there'll be a lot of reactions going on

650
00:26:54,809 --> 00:26:58,319
with that stuff so as an eye care

651
00:26:56,369 --> 00:27:00,089
professional why do you think people are

652
00:26:58,319 --> 00:27:02,730
pouring something as stupid as that in

653
00:27:00,089 --> 00:27:05,039
their eye when my theory is purely

654
00:27:02,730 --> 00:27:06,509
risk-taking it's you know it's a way of

655
00:27:05,039 --> 00:27:08,639
saying look at me look at our you know

656

00:27:06,509 --> 00:27:10,769
how brave I am I'm pouring vodka

657
00:27:08,640 --> 00:27:12,810
directly into my eye you know it's

658
00:27:10,769 --> 00:27:14,250
young men maybe some women do it but

659
00:27:12,809 --> 00:27:16,409
judge me on my wrist take a look at me

660
00:27:14,250 --> 00:27:17,579
how sexy I am and what would your

661
00:27:16,410 --> 00:27:19,040
message me or anyone who's even thinking

662
00:27:17,579 --> 00:27:21,809
that although it should be obvious

663
00:27:19,039 --> 00:27:23,159
definitely don't do it obviously but you

664
00:27:21,809 --> 00:27:24,569
could I mean why haven't they poured it

665
00:27:23,160 --> 00:27:26,040
into their ear I mean would you pour

666
00:27:24,569 --> 00:27:28,109
vodka into your ear I mean that's that's

667
00:27:26,039 --> 00:27:30,690
pretty close to the brain so give that a

668
00:27:28,109 --> 00:27:32,849
go I don't think so okay well it's a bit

669
00:27:30,690 --> 00:27:34,380
like saying look I want a sugar head you

670
00:27:32,849 --> 00:27:36,629

know I'm feeling a little bit rundown i

671

00:27:34,380 --> 00:27:38,790

know what i'll do i'll put a mars bar in

672

00:27:36,630 --> 00:27:40,050

my eye now would you put a mars bar in

673

00:27:38,789 --> 00:27:43,849

your life you wanted a sugar here of

674

00:27:40,049 --> 00:27:43,849

course you wouldn't pretty stupid

675

00:27:52,980 --> 00:27:56,650

hi this is michael cruz from the

676

00:27:55,630 --> 00:27:58,600

committee for the advancement of

677

00:27:56,650 --> 00:28:00,970

scientific skepticism at the center for

678

00:27:58,599 --> 00:28:02,439

inquiry canada Cass is committed to

679

00:28:00,970 --> 00:28:04,390

critically examining scientific

680

00:28:02,440 --> 00:28:06,850

technological and medical claims in the

681

00:28:04,390 --> 00:28:09,220

public forum across Canada working with

682

00:28:06,849 --> 00:28:11,019

our expert advisors local cfi branches

683

00:28:09,220 --> 00:28:12,370

and other skeptical groups Cass

684

00:28:11,019 --> 00:28:15,150

confronts the peddlers of pseudoscience

685
00:28:12,369 --> 00:28:17,409
with evidence-based scientific inquiry

686
00:28:15,150 --> 00:28:19,720
2010 has been a watershed here for the

687
00:28:17,410 --> 00:28:21,610
sceptical movement in Canada and in 2011

688
00:28:19,720 --> 00:28:23,950
cast will continue fighting bad science

689
00:28:21,609 --> 00:28:25,209
in the media and the government if you

690
00:28:23,950 --> 00:28:26,500
would like to become involved in the

691
00:28:25,210 --> 00:28:28,059
fight to promote critical thinking in

692
00:28:26,500 --> 00:28:29,559
Canada or if you have a concern about

693
00:28:28,059 --> 00:28:31,779
the spread of pseudoscience in the

694
00:28:29,559 --> 00:28:34,690
Canadian media please contact us at

695
00:28:31,779 --> 00:28:37,420
casts at cfi canada CA you can also

696
00:28:34,690 --> 00:28:39,460
follow us on twitter at cfi casts and on

697
00:28:37,420 --> 00:28:42,340
facebook at cass at center for inquiry

698
00:28:39,460 --> 00:28:45,390
canada casts fighting pseudoscience

699
00:28:42,339 --> 00:28:45,389
without apology

700
00:28:55,490 --> 00:29:00,809
and joining me on skype now I think I've

701
00:28:58,470 --> 00:29:02,730
got practically half of Melbourne in

702
00:29:00,809 --> 00:29:06,839
fact it's the Melbourne skeptics hello

703
00:29:02,730 --> 00:29:09,210
everyone hello you see I've got half of

704
00:29:06,839 --> 00:29:11,459
melbourne on line right now let's kick

705
00:29:09,210 --> 00:29:13,319
off with a chris higgins hi Chris hey

706
00:29:11,460 --> 00:29:14,970
Richard how you doing I'm doing well

707
00:29:13,319 --> 00:29:16,529
it's a bit hot in Sydney and so hot down

708
00:29:14,970 --> 00:29:19,019
in Melbourne as I understand at the

709
00:29:16,529 --> 00:29:21,329
moment it's very very warm it's very

710
00:29:19,019 --> 00:29:23,670
warm all over the place we have ed hello

711
00:29:21,329 --> 00:29:27,119
ed hello how're we going we're going

712
00:29:23,670 --> 00:29:29,310
well and aleeah's hi Ella Oh as you go

713

00:29:27,119 --> 00:29:32,339
on good apart from roasting and roasting

714
00:29:29,309 --> 00:29:34,200
of course I'm fine Karen breaking

715
00:29:32,339 --> 00:29:36,179
greetings now you're speaking to us from

716
00:29:34,200 --> 00:29:39,120
your headphones aren't you I am indeed

717
00:29:36,180 --> 00:29:42,029
yes creative lot these Melbourne people

718
00:29:39,119 --> 00:29:44,519
we've got that we've got Lucas Randall

719
00:29:42,029 --> 00:29:48,029
hi Lucas hello Richard how are you oh

720
00:29:44,519 --> 00:29:50,940
I'm fine and Matthew I Richard yep

721
00:29:48,029 --> 00:29:52,769
everyone's here including our favorite

722
00:29:50,940 --> 00:29:58,500
from the Melbourne think tank a couple

723
00:29:52,769 --> 00:30:00,960
of weeks ago it's postie Lindley good

724
00:29:58,500 --> 00:30:03,329
lately I've got another vodka drink to

725
00:30:00,960 --> 00:30:06,450
it seems they have lots of voices that's

726
00:30:03,329 --> 00:30:07,919
quite women okay let's kick off with you

727
00:30:06,450 --> 00:30:10,860

Chris can you fill us in a little bit

728

00:30:07,920 --> 00:30:14,370
about what this Melbourne skeptics is

729

00:30:10,859 --> 00:30:16,619
all about and your first big night yes

730

00:30:14,369 --> 00:30:18,269
certainly the the idea i had the idea i

731

00:30:16,619 --> 00:30:20,099
mean obviously it's not it's not my idea

732

00:30:18,269 --> 00:30:22,410
but i thought before tam it'd be really

733

00:30:20,099 --> 00:30:24,750
cool to to get a melbourne skeptics in

734

00:30:22,410 --> 00:30:27,630
the pub happening because we haven't had

735

00:30:24,750 --> 00:30:31,079
one in melbourne for since before I was

736

00:30:27,630 --> 00:30:33,300
born that's not true and I spoke to our

737

00:30:31,079 --> 00:30:36,869
good friend travis roy from the Granite

738

00:30:33,299 --> 00:30:38,279
State skeptics who I met in vegas and he

739

00:30:36,869 --> 00:30:40,529
gave me some really good advice on sort

740

00:30:38,279 --> 00:30:42,359
of firing stuff up and and that was

741

00:30:40,529 --> 00:30:44,430
pretty much it i picked a venue put it

742
00:30:42,359 --> 00:30:46,019
on facebook and said if you want to come

743
00:30:44,430 --> 00:30:49,769
along this is when we're doing it and

744
00:30:46,019 --> 00:30:52,200
and it was a massive success so which is

745
00:30:49,769 --> 00:30:54,389
really cool so all the other people

746
00:30:52,200 --> 00:30:56,759
there are Eddie for example you came

747
00:30:54,390 --> 00:30:58,240
along just to check it out yeah

748
00:30:56,759 --> 00:31:02,470
basically I had a great time

749
00:30:58,240 --> 00:31:04,179
at at time and really thought that this

750
00:31:02,470 --> 00:31:06,009
was the best thing to do because there's

751
00:31:04,179 --> 00:31:08,470
so many like-minded people and a great

752
00:31:06,009 --> 00:31:09,819
chance to talk about things that maybe

753
00:31:08,470 --> 00:31:11,589
with some of my other friends I can't

754
00:31:09,819 --> 00:31:13,659
really talk about your astrology and

755
00:31:11,589 --> 00:31:15,819
that where people are all a little bit

756
00:31:13,660 --> 00:31:17,440
you know touchy about here i can

757
00:31:15,819 --> 00:31:19,659
actually let loose and you had a great

758
00:31:17,440 --> 00:31:22,210
time lots of good food good drinks

759
00:31:19,660 --> 00:31:23,920
awesome people that sounds too good to

760
00:31:22,210 --> 00:31:26,679
be true i'm sorry i missed it now I

761
00:31:23,920 --> 00:31:29,740
really should i love i love going to the

762
00:31:26,679 --> 00:31:31,660
these events now let's move on and we'll

763
00:31:29,740 --> 00:31:34,480
chat with ilyas what's your connection

764
00:31:31,660 --> 00:31:36,400
ilyas we'll all of this well not

765
00:31:34,480 --> 00:31:37,660
basically being following this skeptics

766
00:31:36,400 --> 00:31:40,059
movement for a couple of years now

767
00:31:37,660 --> 00:31:43,420
instead of gotten involved on the

768
00:31:40,058 --> 00:31:45,759
internet mainly with the lobby against

769
00:31:43,420 --> 00:31:48,370
the australian anti-vaccination group

770

00:31:45,759 --> 00:31:50,500
yeah so you know I've been pretty very

771
00:31:48,369 --> 00:31:52,808
softly involved to the stop the avian

772
00:31:50,500 --> 00:31:54,549
Facebook webpage apart from you know

773
00:31:52,808 --> 00:31:57,039
doing a little bit of a panic on Twitter

774
00:31:54,549 --> 00:31:58,389
so for me I've always been into what

775
00:31:57,039 --> 00:32:01,480
always wanted to have something it was

776
00:31:58,390 --> 00:32:03,250
more local with no burn but it's nice to

777
00:32:01,480 --> 00:32:05,289
having a struggling skeptics in a big

778
00:32:03,250 --> 00:32:07,750
story Victoria's skeptics just the arm

779
00:32:05,289 --> 00:32:09,428
of that but then this was just for us

780
00:32:07,750 --> 00:32:12,700
and a better feel more accessible when

781
00:32:09,429 --> 00:32:15,160
its local so that I of what else is all

782
00:32:12,700 --> 00:32:16,960
about ah great look this is just our

783
00:32:15,160 --> 00:32:19,870
little sort of cup of tea and I just

784
00:32:16,960 --> 00:32:22,179

wanted to get into it straight away it

785

00:32:19,869 --> 00:32:24,009

does that answer your question it does

786

00:32:22,179 --> 00:32:26,320

it absolutely because this something we

787

00:32:24,009 --> 00:32:29,109

we really encourage we are we're

788

00:32:26,319 --> 00:32:30,970

delighted when people sort of well more

789

00:32:29,109 --> 00:32:32,740

or less spontaneously decide to get

790

00:32:30,970 --> 00:32:35,289

together and call themselves the local

791

00:32:32,740 --> 00:32:38,799

skeptic a group because you can always

792

00:32:35,289 --> 00:32:41,109

tap into the greater what shall we say

793

00:32:38,799 --> 00:32:44,319

the greater Oort cloud of skepticism out

794

00:32:41,109 --> 00:32:46,269

there with with the contacts especially

795

00:32:44,319 --> 00:32:50,109

a one Chris Higgins who has a very

796

00:32:46,269 --> 00:32:52,119

special contact of course a good contact

797

00:32:50,109 --> 00:32:53,859

with james randi as our listeners would

798

00:32:52,119 --> 00:32:57,159

have known from a few weeks ago is so

799

00:32:53,859 --> 00:32:59,979

Chris was James Randy's assistant that

800

00:32:57,160 --> 00:33:02,019

in Austria true very very true and I've

801

00:32:59,980 --> 00:33:04,720

been it's given me enormous bragging

802

00:33:02,019 --> 00:33:07,240

rights ever since Tam ya don't know it

803

00:33:04,720 --> 00:33:09,400

so tell us

804

00:33:07,240 --> 00:33:13,029

and for the rest of your life no doubt

805

00:33:09,400 --> 00:33:16,330

indeed no Karen on speaking through a

806

00:33:13,029 --> 00:33:19,928

headphone ello tam Karen yes I certainly

807

00:33:16,329 --> 00:33:21,519

was um and were you involved in the

808

00:33:19,929 --> 00:33:25,110

skeptics before then forgive me if I

809

00:33:21,519 --> 00:33:27,429

don't know not really I've been a

810

00:33:25,109 --> 00:33:30,699

spectator in the skeptical movement for

811

00:33:27,429 --> 00:33:35,860

for a while but before time I was quite

812

00:33:30,700 --> 00:33:39,069

inactive and it showed me what's around

813
00:33:35,859 --> 00:33:42,069
what I can actually do and yeah that was

814
00:33:39,069 --> 00:33:44,349
a good good to expand my horizons and

815
00:33:42,069 --> 00:33:46,450
that respect well we're delighted that

816
00:33:44,349 --> 00:33:49,000
someone like you who has had an interest

817
00:33:46,450 --> 00:33:50,590
and then bothered or made the big effort

818
00:33:49,000 --> 00:33:53,289
i should say to come to town australia

819
00:33:50,589 --> 00:33:54,759
is now hooking up locally which is

820
00:33:53,289 --> 00:33:56,740
exactly the sort of thing we'd love to

821
00:33:54,759 --> 00:34:00,369
see and love to encourage now i don't

822
00:33:56,740 --> 00:34:02,440
need to tell our listeners to Lucas

823
00:34:00,369 --> 00:34:04,239
Randall is Lucas why will that Luke's is

824
00:34:02,440 --> 00:34:06,490
the man who gave the skeptic zone

825
00:34:04,240 --> 00:34:09,489
donated to the skeptics and a wonderful

826
00:34:06,490 --> 00:34:11,858
like canon video camera which is being

827

00:34:09,489 --> 00:34:13,809
put to very good use busting people all

828
00:34:11,858 --> 00:34:15,849
around the world Lucas I know you have a

829
00:34:13,809 --> 00:34:18,009
very great interest in skepticism so it

830
00:34:15,849 --> 00:34:19,690
must be good for you to hook up with a

831
00:34:18,010 --> 00:34:22,570
local group like this yes definitely

832
00:34:19,690 --> 00:34:24,099
Richard as you know I am also starting

833
00:34:22,570 --> 00:34:25,780
and other skeptics in the pub group and

834
00:34:24,099 --> 00:34:28,179
is there's actually three new ones

835
00:34:25,780 --> 00:34:30,100
including the Melbourne skeptics the

836
00:34:28,179 --> 00:34:31,990
Alma skeptics in the pod the eastern

837
00:34:30,099 --> 00:34:33,489
hill skeptics in the pub ends the Great

838
00:34:31,989 --> 00:34:35,259
Ocean Road skeptics in the pub that it's

839
00:34:33,489 --> 00:34:38,049
just starting off next next month as

840
00:34:35,260 --> 00:34:40,480
well it reminds me the old Australian

841
00:34:38,050 --> 00:34:42,010

joke is the country town there's a pub

842

00:34:40,480 --> 00:34:43,750

on every corner and one in the middle in

843

00:34:42,010 --> 00:34:50,560

case you get thirsty going from one pub

844

00:34:43,750 --> 00:34:52,179

to the other what a great idea no

845

00:34:50,559 --> 00:34:54,309

Matthew what's your connection to all

846

00:34:52,179 --> 00:34:56,590

this um well I've been involved in this

847

00:34:54,309 --> 00:34:58,299

kept t'kul movement for a couple of

848

00:34:56,590 --> 00:35:00,130

years I guess it started out like a lot

849

00:34:58,300 --> 00:35:02,289

of people listening to podcasts such as

850

00:35:00,130 --> 00:35:03,760

the skeptic zone and a lot of the

851

00:35:02,289 --> 00:35:06,039

American ones skeptics guide to the

852

00:35:03,760 --> 00:35:07,840

universe and I started going along to

853

00:35:06,039 --> 00:35:11,409

the Victorian skeptics who have a

854

00:35:07,840 --> 00:35:13,030

monthly sort of skeptics cafe which is a

855

00:35:11,409 --> 00:35:16,690

little more formal with a dinner and a

856
00:35:13,030 --> 00:35:18,220
talk usually each month and so this this

857
00:35:16,690 --> 00:35:20,200
Melbourne skeptics made up has just been

858
00:35:18,219 --> 00:35:21,109
fantastic it's a bit more informal and

859
00:35:20,199 --> 00:35:22,849
it's just a sort

860
00:35:21,110 --> 00:35:24,829
the traditional skeptics in the pub kind

861
00:35:22,849 --> 00:35:27,849
of thing which is great which has been

862
00:35:24,829 --> 00:35:30,769
very successful here in Sydney for I

863
00:35:27,849 --> 00:35:33,199
seem to remember six or seven years now

864
00:35:30,769 --> 00:35:35,630
probably about six years really

865
00:35:33,199 --> 00:35:37,699
successful for getting people together

866
00:35:35,630 --> 00:35:39,980
in Sydney and we've made some great new

867
00:35:37,699 --> 00:35:41,689
friends let me tell you sir great new

868
00:35:39,980 --> 00:35:43,510
skeptics sorry richard has it really

869
00:35:41,690 --> 00:35:47,320
been gone the going all for that long

870
00:35:43,510 --> 00:35:50,510
yeah well yeah the funny thing is that

871
00:35:47,320 --> 00:35:52,070
well I was the founder of skeptics in

872
00:35:50,510 --> 00:35:54,050
the pub in Sydney and I'm trying to

873
00:35:52,070 --> 00:35:55,730
scratch through records and think to

874
00:35:54,050 --> 00:35:59,710
find out when I actually started it but

875
00:35:55,730 --> 00:36:02,000
I'm Bobby whiskey attempted but I'm

876
00:35:59,710 --> 00:36:04,929
guessing it's about six years ago

877
00:36:02,000 --> 00:36:08,000
something like that time really flies

878
00:36:04,929 --> 00:36:09,710
but another person of course known to

879
00:36:08,000 --> 00:36:12,440
our audience from a few weeks ago postie

880
00:36:09,710 --> 00:36:14,360
Lindley postie Lindley was that Tam of

881
00:36:12,440 --> 00:36:16,639
course yeah and she joined us for the

882
00:36:14,360 --> 00:36:18,230
Melbourne think tank a few weeks ago it

883
00:36:16,639 --> 00:36:21,319
must have been really fun for you to go

884

00:36:18,230 --> 00:36:23,210
along to the to the first skeptics in

885
00:36:21,320 --> 00:36:24,800
the pub yeah I got to get out of the

886
00:36:23,210 --> 00:36:29,030
house and not have to go to work for

887
00:36:24,800 --> 00:36:31,280
once but I'm going to go out and

888
00:36:29,030 --> 00:36:33,620
actually meet people and finally have a

889
00:36:31,280 --> 00:36:35,840
meet up at a pub the other ones usually

890
00:36:33,619 --> 00:36:37,940
at a cafe and that's quite good I agree

891
00:36:35,840 --> 00:36:40,220
i think it pubs better than a cafe are

892
00:36:37,940 --> 00:36:41,960
not because you can drink the alcohol

893
00:36:40,219 --> 00:36:43,369
but it's a different atmosphere I think

894
00:36:41,960 --> 00:36:45,440
you'd have to say the alcohol helps

895
00:36:43,369 --> 00:36:47,329
that's that's great me and you are a

896
00:36:45,440 --> 00:36:49,070
real post eng you really deliver letters

897
00:36:47,329 --> 00:36:53,090
and parcels to be yeah and then they

898
00:36:49,070 --> 00:36:54,920

said I've already passed out one sir I

899

00:36:53,090 --> 00:36:56,990

was rushing to work to get a Slurpee

900

00:36:54,920 --> 00:37:00,289

yesterday and they've got a while Barry

901

00:36:56,989 --> 00:37:05,719

slurpee so I was excited is so good if

902

00:37:00,289 --> 00:37:09,019

that is it's mine that need you pass out

903

00:37:05,719 --> 00:37:11,119

on the postie bike yeah pretty much I

904

00:37:09,019 --> 00:37:13,309

was delivering and it was just too too

905

00:37:11,119 --> 00:37:20,599

much heat to heat exhaustion that was

906

00:37:13,309 --> 00:37:24,079

just when you're delivering slurpees all

907

00:37:20,599 --> 00:37:29,569

sense can you deliver a slurpee to me I

908

00:37:24,079 --> 00:37:32,119

would yeah all snippy's all r and thank

909

00:37:29,570 --> 00:37:33,559

you now what what's so what was the

910

00:37:32,119 --> 00:37:34,699

order of events of this very first

911

00:37:33,559 --> 00:37:36,739

meeting of the pub and we

912

00:37:34,699 --> 00:37:39,348

pub was it by the way for our listeners

913
00:37:36,739 --> 00:37:41,989
it was at the james squire brew house

914
00:37:39,349 --> 00:37:43,789
which is in Docklands if you don't know

915
00:37:41,989 --> 00:37:45,469
Melbourne there's kind of a waterfront

916
00:37:43,789 --> 00:37:47,050
area that was built you know sort of a

917
00:37:45,469 --> 00:37:48,980
few years ago and it's this massive

918
00:37:47,050 --> 00:37:51,589
multi-million dollar facility and it

919
00:37:48,980 --> 00:37:53,420
turns out that no one goes there I was

920
00:37:51,588 --> 00:37:55,880
there last Friday afternoon and there's

921
00:37:53,420 --> 00:37:58,159
just no one around but there's this

922
00:37:55,880 --> 00:37:59,660
great pub which is a couple is one and I

923
00:37:58,159 --> 00:38:02,239
believe this one in Sydney as well the

924
00:37:59,659 --> 00:38:04,338
james squire brewhouse everyone's James

925
00:38:02,239 --> 00:38:05,929
climb a call there be that is sold

926
00:38:04,338 --> 00:38:08,539
around Australia but they have a sort of

927
00:38:05,929 --> 00:38:10,519
a few venues as well with and um there's

928
00:38:08,539 --> 00:38:12,409
two specific ones in Melbourne and this

929
00:38:10,519 --> 00:38:13,730
is the the newer of the two so it's just

930
00:38:12,409 --> 00:38:16,460
been renovated just been decked out

931
00:38:13,730 --> 00:38:19,789
fantastic view of the water and the sort

932
00:38:16,460 --> 00:38:21,500
of waterfront city area really really

933
00:38:19,789 --> 00:38:22,989
fantastic and it was it was practically

934
00:38:21,500 --> 00:38:24,949
empty when we were there so I think the

935
00:38:22,989 --> 00:38:26,569
manager was impressed that we managed to

936
00:38:24,949 --> 00:38:28,759
drag 40 people in there who all had a

937
00:38:26,570 --> 00:38:30,890
feed and half a dozen drinks each I

938
00:38:28,760 --> 00:38:32,930
think he was pretty stoked other fish so

939
00:38:30,889 --> 00:38:35,210
crazy hopefully that means we can use

940
00:38:32,929 --> 00:38:39,440
the venue again exactly it's a great

941

00:38:35,210 --> 00:38:41,210
venue for it so what's the idea with the

942
00:38:39,440 --> 00:38:43,068
the skeptics in the pub down there

943
00:38:41,210 --> 00:38:45,108
really is it just a chance for people to

944
00:38:43,068 --> 00:38:46,699
get together and socialize or do you

945
00:38:45,108 --> 00:38:50,210
think you might as we do in sydney now

946
00:38:46,699 --> 00:38:51,769
have a speaker every month look it's

947
00:38:50,210 --> 00:38:53,358
definitely a possibility I mean I'm

948
00:38:51,769 --> 00:38:55,130
quite keen to leave it really really

949
00:38:53,358 --> 00:38:56,269
open to just sort of people can have

950
00:38:55,130 --> 00:38:58,329
whatever they want and I said that to

951
00:38:56,269 --> 00:39:01,639
everyone last night so if not before

952
00:38:58,329 --> 00:39:03,318
that that you know you you've got to

953
00:39:01,639 --> 00:39:04,848
tell me what you want and I'll sort of

954
00:39:03,318 --> 00:39:06,559
put it together if you wanna have a

955
00:39:04,849 --> 00:39:07,670

speaker every month we can do that you

956

00:39:06,559 --> 00:39:10,549

know if there's someone famous in town

957

00:39:07,670 --> 00:39:12,829

like I don't know dr. rachey maybe hint

958

00:39:10,550 --> 00:39:15,530

hint we can do that but otherwise it'll

959

00:39:12,829 --> 00:39:17,329

just be a social occasion oh now that's

960

00:39:15,530 --> 00:39:20,839

a good idea I think we should organize

961

00:39:17,329 --> 00:39:22,490

for dr. rates you to fly down and do a

962

00:39:20,838 --> 00:39:26,719

talk at one of your skeptics in the pub

963

00:39:22,489 --> 00:39:31,818

I think should be a big hit the like

964

00:39:26,719 --> 00:39:34,459

boys he ought to shut up there well I

965

00:39:31,818 --> 00:39:35,989

think that our God rizal was there is

966

00:39:34,460 --> 00:39:38,030

already the sort of the formal thing

967

00:39:35,989 --> 00:39:40,368

with the Victorian skeptics I think do

968

00:39:38,030 --> 00:39:42,680

that they have a speaker each month or

969

00:39:40,369 --> 00:39:44,750

whatever um which is also very good I

970
00:39:42,679 --> 00:39:46,759
think I like the idea of having the

971
00:39:44,750 --> 00:39:48,590
informal thing which is like I tweeted

972
00:39:46,760 --> 00:39:50,810
beforehand it was like Tam

973
00:39:48,590 --> 00:39:52,690
but without the lectures and the

974
00:39:50,809 --> 00:39:55,519
speakers and workshops in there right

975
00:39:52,690 --> 00:39:58,639
right now I think what you people are

976
00:39:55,519 --> 00:40:00,230
doing is is really inspiring people all

977
00:39:58,639 --> 00:40:01,789
around the world who are hearing this to

978
00:40:00,230 --> 00:40:04,130
think to themselves well why don't we

979
00:40:01,789 --> 00:40:05,690
have a skeptics in the pub how hard was

980
00:40:04,130 --> 00:40:08,599
it Chris to pull all this together it

981
00:40:05,690 --> 00:40:10,309
was not hard at all it was literally

982
00:40:08,599 --> 00:40:12,409
just a case of putting up a facebook

983
00:40:10,309 --> 00:40:14,960
event putting up a website i'm at my web

984

00:40:12,409 --> 00:40:16,969

designer anyway so that was easy and

985

00:40:14,960 --> 00:40:17,960

yeah 40 people turned up you know the

986

00:40:16,969 --> 00:40:19,909

only people that I really knew

987

00:40:17,960 --> 00:40:22,670

beforehand were where Matt Lindley and

988

00:40:19,909 --> 00:40:24,049

Lucas was a few other places I

989

00:40:22,670 --> 00:40:25,550

recognized but apart from that everyone

990

00:40:24,050 --> 00:40:29,330

just turned up from word of mouth which

991

00:40:25,550 --> 00:40:32,510

was great and and a matchup in Edward of

992

00:40:29,329 --> 00:40:35,029

Twitter of course of course yeah twitter

993

00:40:32,510 --> 00:40:38,630

as well yay for Twitter healthy you know

994

00:40:35,030 --> 00:40:39,980

the amazing thing was on the night there

995

00:40:38,630 --> 00:40:42,250

was anything about 24 people who

996

00:40:39,980 --> 00:40:44,630

actually responded to the facebook event

997

00:40:42,250 --> 00:40:46,579

but on the night quite a few people's

998

00:40:44,630 --> 00:40:48,710
aren't spoken to said oh you know i'm on

999
00:40:46,579 --> 00:40:50,539
twitter and also and so was going to

1000
00:40:48,710 --> 00:40:52,250
this enough at all you know might be

1001
00:40:50,539 --> 00:40:55,880
worth chicken and i'm having a great

1002
00:40:52,250 --> 00:40:57,590
time dada sir also necessarily people

1003
00:40:55,880 --> 00:41:01,010
who saw her facebook and it's just tied

1004
00:40:57,590 --> 00:41:04,070
back into what Kieran was a cure and who

1005
00:41:01,010 --> 00:41:07,340
said about Twitter yes it was ah I've

1006
00:41:04,070 --> 00:41:10,280
got a right just tie back in with how

1007
00:41:07,340 --> 00:41:12,470
powerful twitter is as as a medium for

1008
00:41:10,280 --> 00:41:14,330
disseminating all that information EG

1009
00:41:12,469 --> 00:41:16,639
put it on twitter everyone will see it

1010
00:41:14,329 --> 00:41:18,619
i'll get passed on so i reckon that

1011
00:41:16,639 --> 00:41:21,219
really works i reckon that almost

1012
00:41:18,619 --> 00:41:23,239

doubled the number i agree yeah

1013

00:41:21,219 --> 00:41:25,639

absolutely i think you're absolutely

1014

00:41:23,239 --> 00:41:28,759

right yes I can't help to agree with you

1015

00:41:25,639 --> 00:41:30,409

and of course the Twitter that everybody

1016

00:41:28,760 --> 00:41:32,390

listening to the skeptic zone especially

1017

00:41:30,409 --> 00:41:36,739

those in Melbourne Victoria should add

1018

00:41:32,389 --> 00:41:39,049

to their list is at Mel Burke's and of

1019

00:41:36,739 --> 00:41:40,699

the website that everybody in Victoria

1020

00:41:39,050 --> 00:41:44,090

and Melbourne should run and bookmark

1021

00:41:40,699 --> 00:41:47,029

straightaway is Melbourne skeptics calm

1022

00:41:44,090 --> 00:41:50,360

I you spelt the the skeptical way with a

1023

00:41:47,030 --> 00:41:52,940

que oh you may be sol acclaim yeah

1024

00:41:50,360 --> 00:41:54,740

shameless cross-promotion there there's

1025

00:41:52,940 --> 00:41:56,539

a Facebook page as well which is just

1026

00:41:54,739 --> 00:41:58,459

facebook.com slash Melbourne skeptics

1027
00:41:56,539 --> 00:42:00,380
that's great now when's the next time

1028
00:41:58,460 --> 00:42:02,099
when's the next time we can rush down to

1029
00:42:00,380 --> 00:42:04,528
Melbourne rush to the pub

1030
00:42:02,099 --> 00:42:06,180
and have a few cold ones with you yeah

1031
00:42:04,528 --> 00:42:09,778
Chris when's the next one on the prisons

1032
00:42:06,179 --> 00:42:12,268
where the next one yes every 28 the next

1033
00:42:09,778 --> 00:42:13,619
yeah okay I'm on but so they're 28 the

1034
00:42:12,268 --> 00:42:18,238
februari the events going to happen on

1035
00:42:13,619 --> 00:42:19,979
the fourth monday of every month so yeah

1036
00:42:18,239 --> 00:42:21,358
28 next month then all the dates are up

1037
00:42:19,978 --> 00:42:22,978
on the website if you go to the skeptics

1038
00:42:21,358 --> 00:42:24,268
in the pub page on the Melbourne

1039
00:42:22,978 --> 00:42:27,748
skeptics website you can see all the

1040
00:42:24,268 --> 00:42:29,008
dates for 2011 see and if you're too if

1041
00:42:27,748 --> 00:42:30,659
you're too keen to wait for that of

1042
00:42:29,009 --> 00:42:32,009
course the Melbourne ease and he'll

1043
00:42:30,659 --> 00:42:33,989
skeptics in the pub begins on the

1044
00:42:32,009 --> 00:42:35,548
fifteenth of every and then we'll be

1045
00:42:33,989 --> 00:42:39,179
meeting on the second monday of every

1046
00:42:35,548 --> 00:42:40,949
month out sat at knox field i think our

1047
00:42:39,179 --> 00:42:43,288
goal is to have a skeptics in the pub

1048
00:42:40,949 --> 00:42:44,669
every night of the week somewhere but

1049
00:42:43,289 --> 00:42:48,079
you must come to this one because they

1050
00:42:44,670 --> 00:42:50,670
serve a big pharma Palmer oh yeah in the

1051
00:42:48,079 --> 00:42:53,869
Bandidos a picture of me eating my big

1052
00:42:50,670 --> 00:42:57,119
pharma Palmer I'm a big timer shell yep

1053
00:42:53,869 --> 00:42:59,729
polisher even steve roberts had a nice

1054
00:42:57,119 --> 00:43:01,739
big charmer Palmer too he did yes no

1055

00:42:59,728 --> 00:43:04,379
lynly for those people listening overs

1056
00:43:01,739 --> 00:43:07,409
overseas can you explain a big pharma

1057
00:43:04,380 --> 00:43:09,440
Palmer oh it had um Pam it was a chicken

1058
00:43:07,409 --> 00:43:13,170
chicken big chicken with cheese and

1059
00:43:09,440 --> 00:43:16,380
sauce with a bacon and eggs on top i

1060
00:43:13,170 --> 00:43:18,778
think it was absolutely enormous it was

1061
00:43:16,380 --> 00:43:21,239
huge it was like a there's the full

1062
00:43:18,778 --> 00:43:25,018
foghorn leghorn chicken here look like

1063
00:43:21,239 --> 00:43:26,818
tasty too faster well look don't be

1064
00:43:25,018 --> 00:43:29,129
surprised if half the skipping zone now

1065
00:43:26,818 --> 00:43:33,389
come down to the next ccd that's all you

1066
00:43:29,130 --> 00:43:35,309
want comes it a bigger pub we got a new

1067
00:43:33,389 --> 00:43:38,159
years that's right I'm sure dr. a cheese

1068
00:43:35,309 --> 00:43:40,950
is is the most interested to visit your

1069
00:43:38,159 --> 00:43:43,259

pub now to give a talk and maybe you

1070

00:43:40,949 --> 00:43:46,288

haven't tried the big Palmer the Big

1071

00:43:43,259 --> 00:43:49,190

Pharma lovely but listen thank you all

1072

00:43:46,289 --> 00:43:51,509

very much for jumping on skype with me

1073

00:43:49,190 --> 00:43:53,759

everybody in Melbourne if you're of a

1074

00:43:51,509 --> 00:43:56,190

skeptical mind this is the place for you

1075

00:43:53,759 --> 00:43:58,619

to be a great opportunity to meet

1076

00:43:56,190 --> 00:44:00,659

like-minded people have a big pharma

1077

00:43:58,619 --> 00:44:03,809

Palmer a couple of beers and a really

1078

00:44:00,659 --> 00:44:06,179

good time so MiLB skeptics thank you

1079

00:44:03,809 --> 00:44:10,309

very much thank you thank you thank you

1080

00:44:06,179 --> 00:44:10,308

very much Richard oho

1081

00:44:13,179 --> 00:44:17,268

hey you skeptics I have some to share

1082

00:44:15,858 --> 00:44:19,338

with you I've got something that's going

1083

00:44:17,268 --> 00:44:20,538

to get all you soft dicks to stop

1084
00:44:19,338 --> 00:44:23,449
ignoring the truth that's right in front

1085
00:44:20,539 --> 00:44:25,039
of your faces this is an EVP I recorded

1086
00:44:23,449 --> 00:44:27,588
last night there was no one else around

1087
00:44:25,039 --> 00:44:29,930
no other electronic equipment no other

1088
00:44:27,588 --> 00:44:39,639
explanation this was a voice from beyond

1089
00:44:29,929 --> 00:44:39,639
the grave listen up did you hear it here

1090
00:44:40,750 --> 00:44:56,619
let me slow it down even slower slower

1091
00:44:57,400 --> 00:45:03,650
how you doing I'm a ghost I've

1092
00:45:00,650 --> 00:45:05,509
unfinished business what's up you guys

1093
00:45:03,650 --> 00:45:08,990
can't possibly ignore that type of it

1094
00:45:05,509 --> 00:45:11,210
you who are you are you doing my egg

1095
00:45:08,989 --> 00:45:13,818
hang I'm sorry but there are no spirits

1096
00:45:11,210 --> 00:45:15,289
trying to contact you EVPs are the

1097
00:45:13,818 --> 00:45:17,298
result of pareidolia I'm cross

1098
00:45:15,289 --> 00:45:20,778
modulation combined with the listeners

1099
00:45:17,298 --> 00:45:22,849
hopes and expectations and since when

1100
00:45:20,778 --> 00:45:27,619
the hell can you use the unknown to the

1101
00:45:22,849 --> 00:45:32,690
unknown this have to do with science you

1102
00:45:27,619 --> 00:45:34,838
just got skeptically food well go see

1103
00:45:32,690 --> 00:45:34,838
you

1104
00:45:38,039 --> 00:45:44,909
skeptically pawn shop we're all playing

1105
00:45:41,769 --> 00:45:44,909
get kicked in the neck

1106
00:45:55,260 --> 00:46:00,990
thank you for listening to the skeptic

1107
00:45:58,059 --> 00:46:03,460
zone I found Maenads interview this week

1108
00:46:00,989 --> 00:46:05,589
very disturbing I must say and

1109
00:46:03,460 --> 00:46:08,559
congratulations to those Melbourne

1110
00:46:05,590 --> 00:46:10,900
skeptics for a such a great initiative

1111
00:46:08,559 --> 00:46:12,579
and I hope to visit in fact I think the

1112

00:46:10,900 --> 00:46:14,619
whole skeptic zone team will have to

1113
00:46:12,579 --> 00:46:16,809
make sure we go down and visit you guys

1114
00:46:14,619 --> 00:46:19,659
in Melbourne at your Melbourne skeptics

1115
00:46:16,809 --> 00:46:21,610
in the pub if there's a pretty cheap

1116
00:46:19,659 --> 00:46:24,730
these days I think yeah sounds good to

1117
00:46:21,610 --> 00:46:26,860
me now in the past week past couple of

1118
00:46:24,730 --> 00:46:30,519
weeks I've really seen how skeptic zone

1119
00:46:26,860 --> 00:46:32,800
fans can leap into action first of all I

1120
00:46:30,519 --> 00:46:36,210
want to thank everybody who contributed

1121
00:46:32,800 --> 00:46:39,610
to the new microphone for dr. Reggie a

1122
00:46:36,210 --> 00:46:43,630
big thank you to listen at ruvolo who

1123
00:46:39,610 --> 00:46:45,820
contributed quite a decent amount all of

1124
00:46:43,630 --> 00:46:48,430
your efforts combined mean that the new

1125
00:46:45,820 --> 00:46:51,580
microphone for dr. Richie is on the way

1126
00:46:48,429 --> 00:46:53,859

as I speak fantastic she can't wait to

1127

00:46:51,579 --> 00:46:56,500
get it and I'm sure her dr. Reggie

1128

00:46:53,860 --> 00:46:58,829
reports segments will sound even better

1129

00:46:56,500 --> 00:47:01,360
than they did before if that's possible

1130

00:46:58,829 --> 00:47:04,079
also thank you to all the listeners who

1131

00:47:01,360 --> 00:47:06,820
wrote in with your comments about our

1132

00:47:04,079 --> 00:47:10,529
interview last week maynards interview

1133

00:47:06,820 --> 00:47:12,820
with Jessica Adams the astrologer I

1134

00:47:10,530 --> 00:47:15,400
really didn't need to say anything at

1135

00:47:12,820 --> 00:47:17,200
all you people you know your arguments

1136

00:47:15,400 --> 00:47:18,789
you know your logical fallacies your

1137

00:47:17,199 --> 00:47:20,889
contradictions you're pleased to

1138

00:47:18,789 --> 00:47:23,139
Authority and all the rest of it if you

1139

00:47:20,889 --> 00:47:25,569
want to see what other people said or

1140

00:47:23,139 --> 00:47:27,099
thought about the interview with Jessica

1141
00:47:25,570 --> 00:47:30,660
Adams and her points of view about

1142
00:47:27,099 --> 00:47:34,659
astrology defending astrology head to ww

1143
00:47:30,659 --> 00:47:38,799
skeptics on TV and click the comments

1144
00:47:34,659 --> 00:47:43,269
link for episode 119 it makes for

1145
00:47:38,800 --> 00:47:48,519
fascinating reading oh yes I almost

1146
00:47:43,269 --> 00:47:51,009
forgot happy birthday Stefan Soyka so

1147
00:47:48,519 --> 00:47:53,170
until next week this is Richard Saunders

1148
00:47:51,010 --> 00:47:56,760
signing off from the middle of a heat

1149
00:47:53,170 --> 00:47:56,760
wave here in Sydney Australia

1150
00:47:58,949 --> 00:48:06,309
you've been listening to the skeptic

1151
00:48:01,358 --> 00:48:10,119
zone visit our website at www.skeptic

1152
00:48:06,309 --> 00:48:13,049
zone TV the comments contacts and extra

1153
00:48:10,119 --> 00:48:13,050
video reports