

1
00:00:00,000 --> 00:00:09,109
[Music]

2
00:00:05,950 --> 00:00:11,839
welcome to the skeptic zone the podcast

3
00:00:09,109 --> 00:00:13,919
from Australia for science and reason

4
00:00:11,839 --> 00:00:16,850
[Music]

5
00:00:13,919 --> 00:00:22,210
[Applause]

6
00:00:16,850 --> 00:00:25,130
[Music]

7
00:00:22,210 --> 00:00:29,390
hello and welcome to the skeptics own

8
00:00:25,129 --> 00:00:32,960
podcast episode number 441 for the

9
00:00:29,390 --> 00:00:36,399
second of april 2017 Richard Saunders

10
00:00:32,960 --> 00:00:40,730
here with you from Sydney Australia gray

11
00:00:36,399 --> 00:00:42,619
overcast not so hot today mr. sort of

12
00:00:40,729 --> 00:00:46,609
the weather I like really a bit of rain

13
00:00:42,619 --> 00:00:49,729
lately bit of rain I think we're in for

14
00:00:46,609 --> 00:00:53,750
some more we had a bit of rain a couple

15
00:00:49,729 --> 00:00:56,750
of nights ago when men are Lara benim

16
00:00:53,750 --> 00:00:59,509
and I have ventured out to see Brian

17
00:00:56,750 --> 00:01:02,179
Greene the physicist talk here in Sydney

18
00:00:59,509 --> 00:01:03,890
it was they think ink event was downtown

19
00:01:02,179 --> 00:01:06,319
Sydney and there was a howling gale

20
00:01:03,890 --> 00:01:09,109
you'll hear some of that coming up as we

21
00:01:06,319 --> 00:01:13,728
visit me think ink event in here Brian

22
00:01:09,109 --> 00:01:18,079
Greene talk about Wow stars the fate of

23
00:01:13,728 --> 00:01:21,289
the universe time travel are we all

24
00:01:18,079 --> 00:01:24,049
Holograms went on and on it was an

25
00:01:21,290 --> 00:01:26,868
incredible talk what an interesting talk

26
00:01:24,049 --> 00:01:29,478
Maynard was there with his microphone to

27
00:01:26,868 --> 00:01:31,939
cover the flavor of the night you'll get

28
00:01:29,478 --> 00:01:33,890
a little bit of a sample what it was

29

00:01:31,939 --> 00:01:35,539
like but more importantly you'll hear

30
00:01:33,890 --> 00:01:39,349
from the people who were there what they

31
00:01:35,539 --> 00:01:41,539
thought of this fascinating scientist

32
00:01:39,349 --> 00:01:43,879
and thank you to the good people at

33
00:01:41,539 --> 00:01:45,618
think inc are we in in fact i think may

34
00:01:43,879 --> 00:01:48,469
not we'll be interviewing desh from

35
00:01:45,618 --> 00:01:51,409
think inc during his report all that is

36
00:01:48,469 --> 00:01:53,359
coming up a bit later on in the show but

37
00:01:51,409 --> 00:01:55,939
before we get to Brian Greene we've got

38
00:01:53,359 --> 00:01:58,609
Shelley stop and take stock thanks doc

39
00:01:55,939 --> 00:02:01,099
with Shelley stockin she's going to be

40
00:01:58,609 --> 00:02:04,700
reviewing a report on the skeptics

41
00:02:01,099 --> 00:02:07,990
website about paleo Pete Pete Evans now

42
00:02:04,700 --> 00:02:11,930
he has been criticized for his a

43
00:02:07,989 --> 00:02:14,240

somewhat irresponsible shall we say

44

00:02:11,930 --> 00:02:19,580
comments about health and medicine he's

45

00:02:14,240 --> 00:02:21,290
a celebrity TV chef pete evans and we're

46

00:02:19,580 --> 00:02:24,530
going to be reviewing what he said he

47

00:02:21,289 --> 00:02:28,068
went on TV to try and justify his more

48

00:02:24,530 --> 00:02:30,469
contentious opinions shelley stockin

49

00:02:28,068 --> 00:02:33,139
will give us her opinion on Pete Evans

50

00:02:30,469 --> 00:02:34,169
that's at the top of the show also

51

00:02:33,139 --> 00:02:36,419
coming up

52

00:02:34,169 --> 00:02:39,030
ever we have brouhaha from Australia

53

00:02:36,419 --> 00:02:40,949
science TV this week we're looking at

54

00:02:39,030 --> 00:02:43,860
natural disasters and cyclones and

55

00:02:40,949 --> 00:02:46,079
things with Ben Lewis then to round off

56

00:02:43,860 --> 00:02:47,580
the show more about a story we brought

57

00:02:46,080 --> 00:02:50,280
you last week I think it was about

58
00:02:47,580 --> 00:02:54,750
orgone energy in there are all going to

59
00:02:50,280 --> 00:02:58,229
fix Jiro cleanse this is the block of

60
00:02:54,750 --> 00:03:02,189
resin you plug into the wall and it does

61
00:02:58,229 --> 00:03:04,469
nothing more background and a report

62
00:03:02,189 --> 00:03:06,870
from the skeptics about that particular

63
00:03:04,469 --> 00:03:09,539
device coming up to round off the

64
00:03:06,870 --> 00:03:12,390
skeptic zone but before we get stuck

65
00:03:09,539 --> 00:03:15,959
into any of that a big congratulations

66
00:03:12,389 --> 00:03:18,659
to me now to our reporter who last night

67
00:03:15,959 --> 00:03:22,080
at the Castaway podcast Awards here in

68
00:03:18,659 --> 00:03:24,530
Sydney won his category for the planet

69
00:03:22,080 --> 00:03:27,480
Maynard podcasts at manor calm today you

70
00:03:24,530 --> 00:03:29,568
yes planet may not podcasts a number one

71
00:03:27,479 --> 00:03:31,500
in comedy and entertainment

72
00:03:29,568 --> 00:03:34,318
congratulations may not I was there on

73
00:03:31,500 --> 00:03:37,379
the night to um actually I was there as

74
00:03:34,318 --> 00:03:39,358
Maynard sidekick last night doing a lot

75
00:03:37,379 --> 00:03:41,969
of video work for me now and I was such

76
00:03:39,359 --> 00:03:44,040
a rush such a pleasure to be there and

77
00:03:41,969 --> 00:03:47,069
to hear maynards name being called out

78
00:03:44,039 --> 00:03:51,090
in fact why don't we hear that right now

79
00:03:47,069 --> 00:03:55,259
so I'm with the awards the finalists in

80
00:03:51,090 --> 00:03:59,489
this category we fact up planet Maynard

81
00:03:55,259 --> 00:04:03,599
and the genie show and now hopefully

82
00:03:59,489 --> 00:04:05,310
assistant and Oscar's the winner of the

83
00:04:03,599 --> 00:04:06,810
comedy and entertainment category is

84
00:04:05,310 --> 00:04:13,699
planet Manor

85
00:04:06,810 --> 00:04:16,740
[Applause]

86

00:04:13,699 --> 00:04:16,740
[Music]

87
00:04:17,269 --> 00:04:20,418
[Applause]

88
00:04:23,839 --> 00:04:30,719
it's so exciting been giving this plan

89
00:04:26,370 --> 00:04:33,209
ABC employee was the duty disbelievers

90
00:04:30,720 --> 00:04:35,280
podcast they described as overproduced

91
00:04:33,209 --> 00:04:39,539
and self-indulgence I said have you

92
00:04:35,279 --> 00:04:42,109
heard that 7 o's your drive show and the

93
00:04:39,540 --> 00:04:45,390
produced and self-indulgent but anyway

94
00:04:42,110 --> 00:04:48,270
I'd like to thank not so much god but

95
00:04:45,389 --> 00:04:50,879
the trilogy the Holy Trinity are adam

96
00:04:48,269 --> 00:04:54,240
curry from the no agenda show i Richard

97
00:04:50,879 --> 00:04:57,689
Saunders from the skeptics are John Cena

98
00:04:54,240 --> 00:05:00,930
boric also from the no agenda show and

99
00:04:57,689 --> 00:05:02,850
also basically the gini show and all

100
00:05:00,930 --> 00:05:04,350

fact up the other people in the category

101

00:05:02,850 --> 00:05:08,280

they were fantastic they should have won

102

00:05:04,350 --> 00:05:11,939

this is a mistake and people say well

103

00:05:08,279 --> 00:05:17,369

how did you win that basically get in

104

00:05:11,939 --> 00:05:21,639

the first year any awards going after

105

00:05:17,370 --> 00:05:23,350

that they tend to go of it thank you

106

00:05:21,639 --> 00:05:27,668

[Applause]

107

00:05:23,350 --> 00:05:27,669

[Music]

108

00:05:31,019 --> 00:05:34,959

political reasons

109

00:05:32,779 --> 00:05:38,049

[Laughter]

110

00:05:34,959 --> 00:05:38,049

[Music]

111

00:05:40,550 --> 00:05:44,970

congratulations to all the finalists and

112

00:05:42,449 --> 00:05:47,219

especially the winner of the 2017 passed

113

00:05:44,970 --> 00:05:52,410

away comedy and entertainment award

114

00:05:47,220 --> 00:05:55,170

Maynard from Planet Manor well here we

115
00:05:52,410 --> 00:05:56,760
are at the after party here in Cleveland

116
00:05:55,170 --> 00:05:59,730
through it it's all a bit wild I'm

117
00:05:56,759 --> 00:06:02,129
hoping to go over to the victoria park

118
00:05:59,730 --> 00:06:04,110
pool and be naked there later fairly

119
00:06:02,129 --> 00:06:05,939
shortly swimming around because I bloody

120
00:06:04,110 --> 00:06:08,790
won something Richard I actually won

121
00:06:05,939 --> 00:06:11,759
something Maynard a planet may not the

122
00:06:08,790 --> 00:06:15,060
best podcast in the comedy section yes

123
00:06:11,759 --> 00:06:16,829
well we're a shock of course of course

124
00:06:15,060 --> 00:06:19,290
and people who listen to me now that may

125
00:06:16,829 --> 00:06:20,969
not come today you know that yeah look

126
00:06:19,290 --> 00:06:22,560
yeah it was kind of cool and to get up

127
00:06:20,970 --> 00:06:27,690
there and it was my speech okay wasn't

128
00:06:22,560 --> 00:06:29,280
too long I'm still laughing about it the

129
00:06:27,689 --> 00:06:31,319
crowd were roaring with laughter it was

130
00:06:29,279 --> 00:06:32,579
a great speech I I think we have some of

131
00:06:31,319 --> 00:06:34,199
the audio there we can have a listen to

132
00:06:32,579 --> 00:06:35,819
it there and look there's people on the

133
00:06:34,199 --> 00:06:37,979
red carpet so I can actually go on the

134
00:06:35,819 --> 00:06:40,439
red carpet legitimately because i'm

135
00:06:37,980 --> 00:06:43,020
actually a winner so here's the other

136
00:06:40,439 --> 00:06:44,550
thing if you go on the red carpet you'll

137
00:06:43,019 --> 00:06:46,379
have to talk to yourself because you're

138
00:06:44,550 --> 00:06:48,918
the guy interviewing people on the red

139
00:06:46,379 --> 00:06:51,300
carpet but you're a winner tonight too

140
00:06:48,918 --> 00:06:53,039
congratulations may not and that's folks

141
00:06:51,300 --> 00:06:54,810
is why my voice is sounding a little bit

142
00:06:53,040 --> 00:06:56,490
husky this morning because we were

143

00:06:54,810 --> 00:06:59,100
shouting and screaming and carrying on

144
00:06:56,490 --> 00:07:02,129
for many hours and having a really great

145
00:06:59,100 --> 00:07:04,140
time Maynard Comte you to listen to his

146
00:07:02,129 --> 00:07:08,279
award-winning podcast and people have

147
00:07:04,139 --> 00:07:11,129
asked me why the skeptic zone wasn't

148
00:07:08,279 --> 00:07:14,609
entered into these podcasts Awards it

149
00:07:11,129 --> 00:07:16,560
sort of snuck up on me and I think it

150
00:07:14,610 --> 00:07:18,569
came to my attention at some stage

151
00:07:16,560 --> 00:07:20,699
rather when I was very busy and I really

152
00:07:18,569 --> 00:07:22,589
just didn't get around to it I guess I

153
00:07:20,699 --> 00:07:26,639
really don't do the skeptic zone to win

154
00:07:22,589 --> 00:07:29,250
awards however I might take a careful

155
00:07:26,639 --> 00:07:32,219
look and possibly into the skeptic

156
00:07:29,250 --> 00:07:34,560
Sounion for for the next ones next year

157
00:07:32,220 --> 00:07:37,230

but that's that's quite a right last

158

00:07:34,560 --> 00:07:39,389

night was Maynard's night and finally

159

00:07:37,230 --> 00:07:41,669

before we hear the music that the starts

160

00:07:39,389 --> 00:07:44,250

the rest of the skeptic zone I want to

161

00:07:41,668 --> 00:07:46,799

say a heartfelt thank you to the

162

00:07:44,250 --> 00:07:48,879

wonderful work and fabulous reports and

163

00:07:46,800 --> 00:07:51,730

beautiful voice of Joe Allah

164

00:07:48,879 --> 00:07:53,949

our reporter who is stepping down from

165

00:07:51,730 --> 00:07:56,710

the skeptic zone after being with us for

166

00:07:53,949 --> 00:07:58,449

a number of years thank you Joe your

167

00:07:56,709 --> 00:08:01,329

reports were fantastic they're all

168

00:07:58,449 --> 00:08:03,069

online people can easily go back and

169

00:08:01,329 --> 00:08:05,069

listen to your wonderful reports that

170

00:08:03,069 --> 00:08:08,620

were not only well-written they were

171

00:08:05,069 --> 00:08:11,050

beautifully delivered Joe you've got one

172
00:08:08,620 --> 00:08:14,199
of the best radio voices I've ever heard

173
00:08:11,050 --> 00:08:17,759
that's not on radio and we were

174
00:08:14,199 --> 00:08:20,860
certainly very lucky to have use of your

175
00:08:17,759 --> 00:08:23,050
writing and broadcasting talents here on

176
00:08:20,860 --> 00:08:26,889
the skeptic zone thank you Joe alabaster

177
00:08:23,050 --> 00:08:29,439
I hope we all see more of you and hear

178
00:08:26,889 --> 00:08:32,288
more of you in the future bad as you

179
00:08:29,439 --> 00:08:34,929
know life can get in way for doing all

180
00:08:32,288 --> 00:08:37,120
sorts of things we will certainly miss

181
00:08:34,929 --> 00:08:38,949
evidence please but fear not you'll hear

182
00:08:37,120 --> 00:08:41,860
Joe's voice occasionally on the skeptic

183
00:08:38,950 --> 00:08:44,140
zone of those ads we run for the

184
00:08:41,860 --> 00:08:45,690
skeptics dictionary and of course

185
00:08:44,139 --> 00:08:47,519
Harriet halls range of videos on

186
00:08:45,690 --> 00:08:50,320
complementary and alternative medicine

187
00:08:47,519 --> 00:08:52,689
alright so now it's time for me to

188
00:08:50,320 --> 00:08:54,610
where's that button oh there it is i'll

189
00:08:52,690 --> 00:08:56,140
press that in a second before i press

190
00:08:54,610 --> 00:08:57,070
that now while i press that as i'm

191
00:08:56,139 --> 00:09:00,279
pressing that i'm going to run

192
00:08:57,070 --> 00:09:03,129
downstairs yeah run downstairs have the

193
00:09:00,279 --> 00:09:07,449
leftover turkey sausages i think a

194
00:09:03,129 --> 00:09:10,419
turkey with some sort of pine pine

195
00:09:07,450 --> 00:09:12,970
notice of something in garlic turkey

196
00:09:10,419 --> 00:09:14,379
garlic sort of sausages out of the

197
00:09:12,970 --> 00:09:17,560
fridge they're cold but they're good

198
00:09:14,379 --> 00:09:20,230
i'll give my voice a bit of a rest while

199
00:09:17,559 --> 00:09:22,789
i'm doing all of that i hope you enjoy

200

00:09:20,230 --> 00:09:24,850
the skeptic zone

201
00:09:22,789 --> 00:09:24,849
you

202
00:09:42,370 --> 00:09:57,950
interesting claims questioning take

203
00:09:46,970 --> 00:10:00,200
stock with Shelly stalkin hi I'm Shelly

204
00:09:57,950 --> 00:10:01,390
stockin and today I'm going to talk

205
00:10:00,200 --> 00:10:05,930
about the difference between

206
00:10:01,389 --> 00:10:07,639
qualifications and quackery Australian

207
00:10:05,929 --> 00:10:11,109
listeners will no doubt be familiar with

208
00:10:07,639 --> 00:10:13,939
chef pete evans also known as paleo Pete

209
00:10:11,110 --> 00:10:16,399
celebrity food taster and our most vocal

210
00:10:13,940 --> 00:10:20,390
advocate of the Paleo diet among other

211
00:10:16,399 --> 00:10:22,039
things Tim mendham from the Australian

212
00:10:20,389 --> 00:10:23,899
skeptics published an article on

213
00:10:22,039 --> 00:10:25,610
skeptics condotta you on the

214
00:10:23,899 --> 00:10:27,500

twenty-ninth of March this year about a

215

00:10:25,610 --> 00:10:30,519

recent television interview with Evans

216

00:10:27,500 --> 00:10:34,539

which I'll read for you now Pete Evans

217

00:10:30,519 --> 00:10:37,250

celebrity chef paleo diet promoter and

218

00:10:34,539 --> 00:10:40,129

2015 winner of the Australian skeptics

219

00:10:37,250 --> 00:10:41,889

bent spoon award can't understand why

220

00:10:40,129 --> 00:10:44,750

the Australian Medical Association

221

00:10:41,889 --> 00:10:46,850

thinks he's irresponsible and putting

222

00:10:44,750 --> 00:10:50,059

people's health at risk by exercising

223

00:10:46,850 --> 00:10:54,170

his willful arrogance in mischievously

224

00:10:50,059 --> 00:10:56,449

questioning medical advice well well

225

00:10:54,169 --> 00:10:59,629

well he said following a barrage of

226

00:10:56,450 --> 00:11:02,030

criticism from the AMA and others the

227

00:10:59,629 --> 00:11:07,070

AMA has once again tweeted that I am

228

00:11:02,029 --> 00:11:09,439

putting people's lives at risk why Evans

229
00:11:07,070 --> 00:11:12,160
appeared on Channel Seven's Sunday night

230
00:11:09,440 --> 00:11:14,959
program to set the record straight and

231
00:11:12,159 --> 00:11:17,659
was immediately blasted over Twitter by

232
00:11:14,958 --> 00:11:22,519
the AMA itself and by the organization's

233
00:11:17,659 --> 00:11:26,208
federal vice president Tony bitoni the

234
00:11:22,519 --> 00:11:28,250
AMA tweeted Pete Evans putting his fans

235
00:11:26,208 --> 00:11:31,639
health at risk with extreme advice on

236
00:11:28,250 --> 00:11:35,419
diet fluoride calcium celebrity chef

237
00:11:31,639 --> 00:11:38,088
shouldn't dabble in medicine bertonni

238
00:11:35,419 --> 00:11:40,659
chipped in with willful arrogance

239
00:11:38,089 --> 00:11:43,370
mischievously questioning medical advice

240
00:11:40,659 --> 00:11:45,610
decades of scientific research

241
00:11:43,370 --> 00:11:48,919
celebrities putting health at risk on

242
00:11:45,610 --> 00:11:51,560
the sunday night interview Evans asked

243
00:11:48,919 --> 00:11:54,049
what do you need a qualification for to

244
00:11:51,559 --> 00:11:56,449
talk common sense why do you have to

245
00:11:54,049 --> 00:11:59,120
study something that is outdated that is

246
00:11:56,450 --> 00:12:01,970
industry-backed that is biased that is

247
00:11:59,120 --> 00:12:03,919
not getting the results that would be

248
00:12:01,970 --> 00:12:05,690
insane to study something that you're

249
00:12:03,919 --> 00:12:09,110
going to waste your time with that's

250
00:12:05,690 --> 00:12:11,600
just crazy it's just crazy why are

251
00:12:09,110 --> 00:12:13,610
doctors experts in fluoride and what are

252
00:12:11,600 --> 00:12:16,240
their qualifications to be up to date

253
00:12:13,610 --> 00:12:18,769
with the neurotoxins that fluoride is I

254
00:12:16,240 --> 00:12:22,299
would send them the information if they

255
00:12:18,769 --> 00:12:24,710
ask there is a mountain of information

256
00:12:22,299 --> 00:12:26,509
when questioned by sunday night

257

00:12:24,710 --> 00:12:29,570
interviewer Alex Cullen about the

258
00:12:26,509 --> 00:12:32,120
sources of his claims Evans responded

259
00:12:29,570 --> 00:12:35,990
you're a journalist you should be doing

260
00:12:32,120 --> 00:12:40,190
the research yourself in response to the

261
00:12:35,990 --> 00:12:42,649
AMA tweets he asked via Facebook is the

262
00:12:40,190 --> 00:12:44,360
AMA in the pockets of the pharmaceutical

263
00:12:42,649 --> 00:12:47,389
industries and are they in the business

264
00:12:44,360 --> 00:12:49,430
of helping people get healthy the AMA

265
00:12:47,389 --> 00:12:52,159
wasn't the only one to criticize Evans

266
00:12:49,429 --> 00:12:54,769
the National Aboriginal community

267
00:12:52,159 --> 00:12:57,559
controlled Health Organization the peak

268
00:12:54,769 --> 00:13:02,539
body for indigenous health branded Evans

269
00:12:57,559 --> 00:13:04,669
the kitchen's Pauline Hanson Evans has

270
00:13:02,539 --> 00:13:07,149
been heavily criticized for a range of

271
00:13:04,669 --> 00:13:10,189

statements on medicine health and diet

272

00:13:07,149 --> 00:13:12,829

including his anti vax and anti fluoride

273

00:13:10,190 --> 00:13:16,040

stances his suggestions that dairy

274

00:13:12,830 --> 00:13:18,170

products draw calcium out of bones his

275

00:13:16,039 --> 00:13:20,899

comments claiming that most sunscreen

276

00:13:18,169 --> 00:13:23,419

lotions are toxic and his promotion of

277

00:13:20,899 --> 00:13:26,480

bone broth for babies which led to his

278

00:13:23,419 --> 00:13:28,849

latest diet book being pulped am a

279

00:13:26,480 --> 00:13:32,209

president Michael Gannon told Sky News

280

00:13:28,850 --> 00:13:33,920

that Evans is an opinion leader and when

281

00:13:32,208 --> 00:13:36,199

it comes to things like the importance

282

00:13:33,919 --> 00:13:37,879

of adding fluoride to the water in those

283

00:13:36,200 --> 00:13:39,740

parts of Australia where there's not the

284

00:13:37,879 --> 00:13:41,929

natural levels of fluoride to protect

285

00:13:39,740 --> 00:13:44,209

teeth when it comes to some of his

286
00:13:41,929 --> 00:13:46,429
comments about nutrition and about

287
00:13:44,208 --> 00:13:48,559
important dietary sources of calcium and

288
00:13:46,429 --> 00:13:50,838
now he's dipped a toe in the water when

289
00:13:48,559 --> 00:13:53,989
it comes to vaccinations he needs to be

290
00:13:50,839 --> 00:13:55,580
more responsible he's got some fairly

291
00:13:53,990 --> 00:13:57,110
flaky ideas

292
00:13:55,580 --> 00:13:58,910
we know some of the people he

293
00:13:57,110 --> 00:14:02,090
communicates with in terms of his

294
00:13:58,909 --> 00:14:04,279
so-called sources he should stick to the

295
00:14:02,090 --> 00:14:07,610
pearl couscous and the scientists can

296
00:14:04,279 --> 00:14:10,399
stick to pertussis on the same channel 7

297
00:14:07,610 --> 00:14:13,180
interview Evans wife Nicola Robinson

298
00:14:10,399 --> 00:14:15,740
insisted that he isn't a whack job and

299
00:14:13,179 --> 00:14:19,789
Evans himself admitted that he suffered

300
00:14:15,740 --> 00:14:22,519
from crippling shyness I was a really

301
00:14:19,789 --> 00:14:25,279
shy kid he says it's been something

302
00:14:22,519 --> 00:14:27,319
that's been with me all my life even now

303
00:14:25,279 --> 00:14:30,589
I like to keep a low profile believe it

304
00:14:27,320 --> 00:14:32,690
or not it might be hard to believe but

305
00:14:30,590 --> 00:14:35,290
it would definitely be better for

306
00:14:32,690 --> 00:14:39,430
everyone if you did keep a low profile

307
00:14:35,289 --> 00:14:41,990
that's where Tim's article ends my take

308
00:14:39,429 --> 00:14:43,879
Pete Evans isn't the first person to

309
00:14:41,990 --> 00:14:45,620
digest a plate full of half-baked

310
00:14:43,879 --> 00:14:47,539
reckons and use them to pull on the

311
00:14:45,620 --> 00:14:51,799
hard-earned qualifications of experts

312
00:14:47,539 --> 00:14:54,409
and he won't be the last valuing

313
00:14:51,799 --> 00:14:57,409
unqualified personal opinions / expert

314

00:14:54,409 --> 00:15:00,649
advice seems to be very much on trend in

315
00:14:57,409 --> 00:15:02,629
the natural health arena but when you

316
00:15:00,649 --> 00:15:05,179
apply this dismissive attitude to other

317
00:15:02,629 --> 00:15:08,450
areas of interest and Industry it starts

318
00:15:05,179 --> 00:15:11,439
to fall apart would you want a clown to

319
00:15:08,450 --> 00:15:13,790
check your teeth a vet to fix your car a

320
00:15:11,440 --> 00:15:16,160
taxidermist mixing cocktails at your

321
00:15:13,789 --> 00:15:18,649
favorite bar would you trust your local

322
00:15:16,159 --> 00:15:20,870
chippy to negotiate world peace or a

323
00:15:18,649 --> 00:15:24,199
self-employed ventriloquist commanding

324
00:15:20,870 --> 00:15:26,649
the police would you ask a mime to paint

325
00:15:24,200 --> 00:15:29,800
your house a judge to groom your pet a

326
00:15:26,649 --> 00:15:32,689
famous escapologists to fly a jumbo jet

327
00:15:29,799 --> 00:15:35,240
would you ask if I marana for directions

328
00:15:32,690 --> 00:15:38,480

to the station or a TV chef and co-host

329

00:15:35,240 --> 00:15:40,549

for advice on vaccinations when you

330

00:15:38,480 --> 00:15:42,680

break your lower tibia you don't consult

331

00:15:40,549 --> 00:15:45,709

a cook that's when orthopedic

332

00:15:42,679 --> 00:15:47,629

specialists and nurses get a look sure a

333

00:15:45,710 --> 00:15:50,240

chef can poach an egg or make a cheese

334

00:15:47,629 --> 00:15:54,360

sauce from a roux but for health advice

335

00:15:50,240 --> 00:15:57,399

choose somebody who's got a frickin clue

336

00:15:54,360 --> 00:16:10,029

I'm Shelley stockin thanks for having me

337

00:15:57,399 --> 00:16:11,709

in your earholes good crashbug a

338

00:16:10,029 --> 00:16:13,750

boardwalk a skeptic worcestershire

339

00:16:11,710 --> 00:16:16,420

joshula it's a skeptical service attack

340

00:16:13,750 --> 00:16:18,309

elbow by tana channel Annika meet the

341

00:16:16,419 --> 00:16:20,049

skeptics on podcast her go to her vision

342

00:16:18,309 --> 00:16:22,299

heritage from tasha hunter to decide to

343
00:16:20,049 --> 00:16:24,309
the manual Travie like oh she touched a

344
00:16:22,299 --> 00:16:27,159
critical gondola station eclipse

345
00:16:24,309 --> 00:16:28,929
elucidated asserted nearest when Leah

346
00:16:27,159 --> 00:16:30,819
Demi can shake member travelin coca-cola

347
00:16:28,929 --> 00:16:33,279
taught or dvd bond skeptic wish to

348
00:16:30,820 --> 00:16:35,680
sharpen tool which is info @ skeptic

349
00:16:33,279 --> 00:16:37,629
wish bone man tova by Allen film

350
00:16:35,679 --> 00:16:40,209
at the Facebook laudanum cottage amita

351
00:16:37,629 --> 00:16:42,309
facebook.com / skeptic ustasha shakti

352
00:16:40,210 --> 00:16:47,259
matalas volume into our user data

353
00:16:42,309 --> 00:16:49,000
dharamdas Vinayagam hi this is garba

354
00:16:47,259 --> 00:16:51,009
raas co-president of the Hungarian

355
00:16:49,000 --> 00:16:52,330
skeptics society and chairman of the

356
00:16:51,009 --> 00:16:55,240
European Council of skeptical

357
00:16:52,330 --> 00:16:57,580
organizations a solicitor of the skeptic

358
00:16:55,240 --> 00:16:59,529
zone you probably agree that educating

359
00:16:57,580 --> 00:17:02,590
others about to the science and critical

360
00:16:59,529 --> 00:17:04,180
thinking is an important task if you are

361
00:17:02,590 --> 00:17:05,980
eager to take part in either of these

362
00:17:04,180 --> 00:17:09,750
activities we would be happy to hear

363
00:17:05,980 --> 00:17:15,250
from you don't hesitate to contact us at

364
00:17:09,750 --> 00:17:17,140
www.adr.org info at skeptical hu they

365
00:17:15,250 --> 00:17:19,869
also recommend you visiting our Facebook

366
00:17:17,140 --> 00:17:23,490
page skeptic gustaria Shack or simply

367
00:17:19,869 --> 00:17:23,489
come and join us at one of our events

368
00:17:24,710 --> 00:17:30,068
[Music]

369
00:17:30,769 --> 00:17:38,000
here's my not spooky action at a

370
00:17:35,400 --> 00:17:38,000
distance

371

00:17:39,190 --> 00:17:43,759
welcome to a truly horrible night as far

372
00:17:42,259 --> 00:17:45,319
as Sydney weather goes now I know

373
00:17:43,759 --> 00:17:46,609
Richard likes live run out in the

374
00:17:45,319 --> 00:17:48,288
international world know what the

375
00:17:46,609 --> 00:17:50,000
weather in Australia's like well it's

376
00:17:48,288 --> 00:17:51,619
raining tonight people are getting wet

377
00:17:50,000 --> 00:17:53,359
people are running around going oh my

378
00:17:51,619 --> 00:17:55,459
godness Bruce hold the umbrella all that

379
00:17:53,359 --> 00:17:57,048
stuff's going on here and we're seeing

380
00:17:55,460 --> 00:17:58,579
Brian Greene who course wrote the art of

381
00:17:57,048 --> 00:18:00,798
course acting and the year of living

382
00:17:58,579 --> 00:18:04,069
dangerously I think that's the bright I

383
00:18:00,798 --> 00:18:06,259
know that's another green well um he

384
00:18:04,069 --> 00:18:08,178
invented a color that is on the spectrum

385
00:18:06,259 --> 00:18:09,798

he did lots of stuff we'll look I'll be

386

00:18:08,179 --> 00:18:11,330

look look are we burning up on who Brian

387

00:18:09,798 --> 00:18:13,339

Green is in the next 10 min at Richard

388

00:18:11,329 --> 00:18:15,589

how are you I'm well I'm a bit soggy wet

389

00:18:13,339 --> 00:18:17,298

this is the we're getting the sort of

390

00:18:15,589 --> 00:18:19,699

the tail end or the front of cyclone

391

00:18:17,298 --> 00:18:21,918

Debbie in fact here in Sydney we're in

392

00:18:19,700 --> 00:18:23,840

the the international conference center

393

00:18:21,919 --> 00:18:26,419

or whatever it's called and just imagine

394

00:18:23,839 --> 00:18:27,829

if your parents made something and you

395

00:18:26,419 --> 00:18:29,299

weren't allowed to sit on it because

396

00:18:27,829 --> 00:18:30,980

plastic was on everything and then they

397

00:18:29,298 --> 00:18:32,509

took the plastic off that's exactly what

398

00:18:30,980 --> 00:18:34,909

this entire building looks like doesn't

399

00:18:32,509 --> 00:18:37,970

it Richard it's very new main item we're

400
00:18:34,909 --> 00:18:39,950
looking for a drink we are indeed and as

401
00:18:37,970 --> 00:18:42,048
you may know sydney's lockout laws are

402
00:18:39,950 --> 00:18:43,909
fairly extensive so if you actually want

403
00:18:42,048 --> 00:18:45,740
to have a drink at any time particularly

404
00:18:43,909 --> 00:18:47,510
once the Sun Goes Down forget

405
00:18:45,740 --> 00:18:49,038
international visitors but I'll hang on

406
00:18:47,509 --> 00:18:50,990
they've found a bar well we found

407
00:18:49,038 --> 00:18:52,940
somewhere just across into the shopping

408
00:18:50,990 --> 00:18:54,649
center that's where we can get this is

409
00:18:52,940 --> 00:18:56,690
good because this is one of the new bars

410
00:18:54,648 --> 00:18:58,548
which is a good chance because it's a

411
00:18:56,690 --> 00:19:00,288
new bar that none of us have actually

412
00:18:58,548 --> 00:19:02,148
been banned from it yet that's good and

413
00:19:00,288 --> 00:19:04,970
and how are you tonight who we got here

414
00:19:02,148 --> 00:19:06,589
I solara I'm good how are you sounds

415
00:19:04,970 --> 00:19:08,179
pretty good then it's raining out so I

416
00:19:06,589 --> 00:19:10,730
do think this will affect the science

417
00:19:08,179 --> 00:19:13,100
orientated crowd coming this evening I'm

418
00:19:10,730 --> 00:19:14,210
I hope not I don't think so it certainly

419
00:19:13,099 --> 00:19:15,678
wouldn't in England otherwise we'd

420
00:19:14,210 --> 00:19:17,090
literally never go out that's true

421
00:19:15,679 --> 00:19:18,620
you're right i guess i'm talking to

422
00:19:17,089 --> 00:19:20,538
someone who's used to rain and when i

423
00:19:18,619 --> 00:19:23,069
say the name brian greene to you what

424
00:19:20,538 --> 00:19:25,859
thoughts come to mind physics

425
00:19:23,069 --> 00:19:28,470
is he a theoretical one I think he is

426
00:19:25,859 --> 00:19:30,329
yeah okay I guess oh we're in the

427
00:19:28,470 --> 00:19:32,519
howling gale okay riding outside there

428

00:19:30,329 --> 00:19:34,230
we go should we go our names you've

429
00:19:32,519 --> 00:19:36,028
probably heard about tropical cyclone

430
00:19:34,230 --> 00:19:38,069
Debbie which hit Queensland in the north

431
00:19:36,028 --> 00:19:39,329
of Australia so this is hard now of

432
00:19:38,069 --> 00:19:41,189
course this mainly damaged the

433
00:19:39,329 --> 00:19:43,528
whitsundays in the Makai area and did

434
00:19:41,190 --> 00:19:45,778
affect a wide area but did not did not

435
00:19:43,528 --> 00:19:47,490
in fact destroy Queensland as the media

436
00:19:45,778 --> 00:19:49,679
would have you believe and as the

437
00:19:47,490 --> 00:19:51,210
Queensland elizab tell you they're tough

438
00:19:49,679 --> 00:19:53,220
and they say bring it on every time a

439
00:19:51,210 --> 00:19:54,929
cyclone comes and they they spray

440
00:19:53,220 --> 00:19:56,490
graffiti about the cyclone and

441
00:19:54,929 --> 00:20:00,360
everything they don't scared about it

442
00:19:56,490 --> 00:20:03,450

can't scare queenslanders now of course

443

00:20:00,359 --> 00:20:05,758

we we play the main ad-skipping zone

444

00:20:03,450 --> 00:20:07,440

bingo when we go to any thinking

445

00:20:05,759 --> 00:20:09,899

particular if it's a physicist the terms

446

00:20:07,440 --> 00:20:14,370

we are looking for the terms we are

447

00:20:09,898 --> 00:20:19,138

looking for ah Planck time hologram

448

00:20:14,369 --> 00:20:20,908

theory and multiverse bit too easy but

449

00:20:19,138 --> 00:20:22,798

the good one on the list but Planck time

450

00:20:20,909 --> 00:20:24,419

is the one because no time no one's been

451

00:20:22,798 --> 00:20:25,619

able to explain Planck time to me

452

00:20:24,419 --> 00:20:27,840

correctly for all the years I've been

453

00:20:25,619 --> 00:20:29,308

asking about it probably me rather than

454

00:20:27,839 --> 00:20:32,158

people explain it that's a problem I

455

00:20:29,308 --> 00:20:34,079

think and also we we do we do love

456

00:20:32,159 --> 00:20:36,059

hologram theory which gets a laugh and

457
00:20:34,079 --> 00:20:38,278
probably from a physicist gets a grimace

458
00:20:36,058 --> 00:20:39,898
but we'll see what happens because

459
00:20:38,278 --> 00:20:41,190
Richard for Brian Greene what will you

460
00:20:39,898 --> 00:20:42,178
be trusted in the world and physics what

461
00:20:41,190 --> 00:20:44,009
are you hoping he's talked about it

462
00:20:42,179 --> 00:20:47,399
because we know my ones Planck time and

463
00:20:44,009 --> 00:20:50,610
I do like a bit of hologram theory time

464
00:20:47,398 --> 00:20:52,469
travel mmm always the favorite of mine

465
00:20:50,609 --> 00:20:54,298
ever since I was a kid ever since I was

466
00:20:52,470 --> 00:20:56,750
a little kid watching Doctor Who so

467
00:20:54,298 --> 00:20:56,750
where would you go

468
00:20:58,308 --> 00:21:03,210
this silence folks is because I don't

469
00:21:00,929 --> 00:21:04,230
know the future I think well the future

470
00:21:03,210 --> 00:21:05,850
would be interesting but now I'm think

471
00:21:04,230 --> 00:21:07,558
he's gonna say something about you might

472
00:21:05,849 --> 00:21:08,879
not be able to go one way like you might

473
00:21:07,558 --> 00:21:10,440
only be able to go back you might not be

474
00:21:08,880 --> 00:21:15,149
able to go forward you can only go

475
00:21:10,440 --> 00:21:16,769
forward okay you can't go back look Bob

476
00:21:15,148 --> 00:21:20,158
why my brother gonna see Brian really

477
00:21:16,769 --> 00:21:22,140
you spoilers spoil our car Richard

478
00:21:20,159 --> 00:21:23,610
Saunders answers physics questions for

479
00:21:22,140 --> 00:21:25,890
you so you don't have to go see some

480
00:21:23,609 --> 00:21:27,629
guys spent time at uni yeah well think

481
00:21:25,890 --> 00:21:29,309
of all the times that you think I wish I

482
00:21:27,630 --> 00:21:31,230
could go back and turn you know do

483
00:21:29,308 --> 00:21:32,548
something differently in my life it

484
00:21:31,230 --> 00:21:35,639
doesn't work like that never has never

485

00:21:32,548 --> 00:21:37,500
will and we're not flooded by tourists

486
00:21:35,638 --> 00:21:39,449
from the future are we unless you're

487
00:21:37,500 --> 00:21:41,490
from if you try up and wondered I do

488
00:21:39,450 --> 00:21:43,259
live in the future but I'm not from

489
00:21:41,490 --> 00:21:46,200
there because even they won't have me

490
00:21:43,259 --> 00:21:49,019
and then of course it was time to go in

491
00:21:46,200 --> 00:21:51,929
and see dr. Brian Greene blow our minds

492
00:21:49,019 --> 00:21:55,259
with his theoretical and sometimes not

493
00:21:51,929 --> 00:21:57,929
so theoretical physics perhaps we'd like

494
00:21:55,259 --> 00:21:59,940
to test the the applause sound again but

495
00:21:57,929 --> 00:22:02,870
we get a cheer for Brian Greene and

496
00:21:59,940 --> 00:22:05,980
science in general and all

497
00:22:02,869 --> 00:22:05,979
[Applause]

498
00:22:11,659 --> 00:22:20,549
time travel is absolutely possible if

499
00:22:17,429 --> 00:22:25,798

you for instance going here the edge of

500

00:22:20,548 --> 00:22:28,469

a black hole I suppose go spend a few

501

00:22:25,798 --> 00:22:30,838

weeks there good greatly time elapses

502

00:22:28,469 --> 00:22:33,209

for you is very very slow and you come

503

00:22:30,838 --> 00:22:34,009

back to earth entity the future it may

504

00:22:33,209 --> 00:22:40,600

be

505

00:22:34,009 --> 00:22:40,599

huge John travel is absolutely possible

506

00:22:48,200 --> 00:22:53,400

[Applause]

507

00:22:50,230 --> 00:22:56,548

[Music]

508

00:22:53,400 --> 00:22:56,548

[Applause]

509

00:23:00,180 --> 00:23:08,769

great pleasure to be here and you know

510

00:23:03,670 --> 00:23:11,080

we we are a species that asks questions

511

00:23:08,769 --> 00:23:14,549

right that's with you who we are one of

512

00:23:11,079 --> 00:23:20,529

the biggest questions of all is why are

513

00:23:14,549 --> 00:23:22,089

we here not here the icc sit down know

514
00:23:20,529 --> 00:23:25,259
why we're here to have the conversation

515
00:23:22,089 --> 00:23:28,750
about time and reality but why are we

516
00:23:25,259 --> 00:23:32,140
alive right what is life what is

517
00:23:28,750 --> 00:23:34,509
consciousness mean what do you or I this

518
00:23:32,140 --> 00:23:40,690
planet is gallon to this universe what

519
00:23:34,509 --> 00:23:41,980
does it all mean well I don't come to

520
00:23:40,690 --> 00:23:47,850
make very much for coming goodnight

521
00:23:41,980 --> 00:23:50,019
everybody so it falls to me just to say

522
00:23:47,849 --> 00:23:52,449
what an honor has been to share the

523
00:23:50,019 --> 00:23:54,190
stage with dr. Brian brief and share

524
00:23:52,450 --> 00:23:57,160
this auditorium with you as we discuss

525
00:23:54,190 --> 00:23:59,380
these big wondrous ideas and I hope that

526
00:23:57,160 --> 00:24:01,570
will round out the evening we've SAT

527
00:23:59,380 --> 00:24:04,270
very patiently you're probably numb in

528
00:24:01,569 --> 00:24:09,329
the face but I'm hoping we can end with

529
00:24:04,269 --> 00:24:09,329
it with an applause worthy of paper

530
00:24:18,839 --> 00:24:24,209
I mean dr. Brian Greene really blew my

531
00:24:22,410 --> 00:24:26,250
tiny eight brain and my brain was a bit

532
00:24:24,210 --> 00:24:27,840
scrambled but after the event my brain

533
00:24:26,250 --> 00:24:31,920
was not the only one that had been

534
00:24:27,839 --> 00:24:34,409
scrambled as you'll hear now how are you

535
00:24:31,920 --> 00:24:36,360
inspired Andrew by brian greene if at

536
00:24:34,410 --> 00:24:37,860
all or maybe you were bit mom nonplussed

537
00:24:36,359 --> 00:24:39,990
by the whole physics experiment here

538
00:24:37,859 --> 00:24:43,679
tonight blown away yeah holy blonde

539
00:24:39,990 --> 00:24:46,200
alone said here and just let it all flow

540
00:24:43,680 --> 00:24:49,470
and flow over flow through meeses

541
00:24:46,200 --> 00:24:52,110
fascinating great communicator what was

542

00:24:49,470 --> 00:24:55,710
your most interesting bit that made made

543
00:24:52,109 --> 00:24:57,719
you go I hear hear imagine that all we

544
00:24:55,710 --> 00:25:01,230
was talking about string theory I was

545
00:24:57,720 --> 00:25:03,930
wondering whether they'll be listening

546
00:25:01,230 --> 00:25:07,620
as much as they're looking for evidence

547
00:25:03,930 --> 00:25:09,810
on in a collision now they also

548
00:25:07,619 --> 00:25:12,809
listening at that time and what would

549
00:25:09,809 --> 00:25:13,950
those sound like okay well by the by

550
00:25:12,809 --> 00:25:16,169
what he was saying they're about halfway

551
00:25:13,950 --> 00:25:17,789
to be able to sing it 18 to the 0 or

552
00:25:16,170 --> 00:25:18,660
something they got to get to 38 or

553
00:25:17,789 --> 00:25:21,450
something like that so they're halfway

554
00:25:18,660 --> 00:25:23,250
there that's easy for us to say sitting

555
00:25:21,450 --> 00:25:24,600
here you know having a few drinks well

556
00:25:23,250 --> 00:25:26,940

that's the other thing is you know this

557

00:25:24,599 --> 00:25:31,980

sort of simple you gave some great

558

00:25:26,940 --> 00:25:34,950

graphic analogies showing time scales

559

00:25:31,980 --> 00:25:37,620

and they use the Empire State Building

560

00:25:34,950 --> 00:25:39,210

as a way of saying this is where the Big

561

00:25:37,619 --> 00:25:41,569

Bang was and this is where the

562

00:25:39,210 --> 00:25:43,259

ultimately it'll Peters out and that was

563

00:25:41,569 --> 00:25:47,200

[Music]

564

00:25:43,259 --> 00:25:49,058

sort of gave you a sense of one thing

565

00:25:47,200 --> 00:25:50,740

look I think you're hearing the sound of

566

00:25:49,058 --> 00:25:55,269

a man's mind has been a bit blown i

567

00:25:50,740 --> 00:26:00,548

think wonderful absolutely this best

568

00:25:55,269 --> 00:26:01,870

night i've spent wandering through the

569

00:26:00,548 --> 00:26:04,148

crowd in the floor afterwards he

570

00:26:01,869 --> 00:26:09,459

everyone's fairly inspired by the whole

571
00:26:04,148 --> 00:26:12,099
thing what did you find most inspiring

572
00:26:09,460 --> 00:26:13,480
about dr. Greene this evening oh good

573
00:26:12,099 --> 00:26:16,959
lord everything I know nothing about

574
00:26:13,480 --> 00:26:20,528
science was there one fact that blew

575
00:26:16,960 --> 00:26:24,069
your mind more than anything else how

576
00:26:20,528 --> 00:26:27,730
little I knew what so you walked in

577
00:26:24,069 --> 00:26:29,470
there going I know all this I know

578
00:26:27,730 --> 00:26:31,298
nothing i'm interested in also i just

579
00:26:29,470 --> 00:26:33,460
kind of feel like I'm my brain has

580
00:26:31,298 --> 00:26:34,778
exploded at my I'm Suffolk spoken to a

581
00:26:33,460 --> 00:26:37,119
few people that feel a bit like that I

582
00:26:34,778 --> 00:26:38,740
hope it gets better yeah yeah I know

583
00:26:37,118 --> 00:26:40,089
everyone's got that wow that really blew

584
00:26:38,740 --> 00:26:41,829
me out there well how do you feel that

585
00:26:40,089 --> 00:26:43,148
the whole thing that was great I know

586
00:26:41,829 --> 00:26:45,278
the code because I was sitting there and

587
00:26:43,148 --> 00:26:47,138
look it took a lot he did mention a

588
00:26:45,278 --> 00:26:49,269
hologram theory in a way that we could

589
00:26:47,138 --> 00:26:51,969
be a simulation you did mention that he

590
00:26:49,269 --> 00:26:54,788
did mention Max Planck so Planck time

591
00:26:51,970 --> 00:26:57,730
got it yeah he needs to get around more

592
00:26:54,788 --> 00:27:00,878
absolutely yes cool like a look and look

593
00:26:57,730 --> 00:27:03,669
up good Iran is here from the skeptics

594
00:27:00,878 --> 00:27:05,138
of course and Iran what blew your mind

595
00:27:03,669 --> 00:27:07,960
about what's going on onstage tonight

596
00:27:05,138 --> 00:27:10,118
with dr. Greene the excitement yeah I

597
00:27:07,960 --> 00:27:11,769
think a scientist who's really excited

598
00:27:10,118 --> 00:27:14,079
about the message that delivering that

599

00:27:11,769 --> 00:27:15,970
they talk when somebody like that is on

600
00:27:14,079 --> 00:27:18,368
stage and they speak they talk about the

601
00:27:15,970 --> 00:27:20,889
signs and they make it accessible in

602
00:27:18,368 --> 00:27:23,378
some sense but mostly they're makes it

603
00:27:20,888 --> 00:27:25,868
really exciting for people who are not

604
00:27:23,378 --> 00:27:28,388
involved in this in hit in this specific

605
00:27:25,868 --> 00:27:29,918
scientific area on a day-to-day basis I

606
00:27:28,388 --> 00:27:31,209
think that's what that's the only thing

607
00:27:29,919 --> 00:27:32,980
that's important I I know quite a bit

608
00:27:31,210 --> 00:27:35,440
about physics obviously i'm not you know

609
00:27:32,980 --> 00:27:37,329
professionally in this area but again

610
00:27:35,440 --> 00:27:39,460
time and again you know i watch Neil

611
00:27:37,329 --> 00:27:42,428
deGrasse Tyson says things that I know

612
00:27:39,460 --> 00:27:44,350
already or Brian Green says the things

613
00:27:42,429 --> 00:27:45,669

that I know already but I still find it

614

00:27:44,349 --> 00:27:47,259
fascinating because the way the

615

00:27:45,669 --> 00:27:49,170
communicated the excitement that they

616

00:27:47,259 --> 00:27:51,730
cause in the audience that is to me

617

00:27:49,170 --> 00:27:55,058
so you're someone who's physics curious

618

00:27:51,730 --> 00:27:56,710
uh yeah a little bit more than that but

619

00:27:55,058 --> 00:27:58,269
yeah yeah you can see everyone getting

620

00:27:56,710 --> 00:28:00,069
really excited about the whole thing yes

621

00:27:58,269 --> 00:28:01,599
absolutely but he also said that every

622

00:28:00,069 --> 00:28:02,950
scientist shouldn't really have to be a

623

00:28:01,599 --> 00:28:04,689
science communicator as well some of

624

00:28:02,950 --> 00:28:07,350
them can just get on with it absolutely

625

00:28:04,690 --> 00:28:10,210
true I mean I think in every area like

626

00:28:07,349 --> 00:28:12,519
we have a similar kind of debate you

627

00:28:10,210 --> 00:28:14,650
know within the skeptical / atheist

628
00:28:12,519 --> 00:28:16,599
community for example about the Richard

629
00:28:14,650 --> 00:28:18,009
Dawkins approach for over as opposed to

630
00:28:16,599 --> 00:28:19,689
you not like maybe we should go softly

631
00:28:18,009 --> 00:28:21,279
softly I got really sure to go all

632
00:28:19,690 --> 00:28:22,960
shouting i love the dork in his approach

633
00:28:21,279 --> 00:28:24,250
just cuz the way he winds everybody up

634
00:28:22,960 --> 00:28:25,690
yeah the problem is that there's a lot

635
00:28:24,250 --> 00:28:27,460
of blowback from that no but the thing

636
00:28:25,690 --> 00:28:29,259
is the reason Richard Dawkins

637
00:28:27,460 --> 00:28:31,420
communicates the way he does is because

638
00:28:29,259 --> 00:28:32,710
he's Richard Dawkins and the way and you

639
00:28:31,420 --> 00:28:34,690
know and you have other people who

640
00:28:32,710 --> 00:28:36,160
communicate differently and that's fine

641
00:28:34,690 --> 00:28:37,539
you know different people beep people

642
00:28:36,160 --> 00:28:39,910
bring their perspective and their

643
00:28:37,539 --> 00:28:41,440
attitude and their personality to the

644
00:28:39,910 --> 00:28:43,720
way they communicate and some people

645
00:28:41,440 --> 00:28:45,730
just don't communicate and the reality

646
00:28:43,720 --> 00:28:48,610
is that you don't need every scientist

647
00:28:45,730 --> 00:28:50,920
to communicate to the general public of

648
00:28:48,609 --> 00:28:53,678
course they all communicate within this

649
00:28:50,920 --> 00:28:55,779
within the scientific establishment and

650
00:28:53,679 --> 00:28:57,640
within you know with their conferences

651
00:28:55,779 --> 00:28:59,609
and magazines and all of that but you

652
00:28:57,640 --> 00:29:01,600
know it's it's enough that we have some

653
00:28:59,609 --> 00:29:03,250
scientists who are capable of speaking

654
00:29:01,599 --> 00:29:06,009
about these these things to the public

655
00:29:03,250 --> 00:29:09,400
in a way that Brian Greene does very

656

00:29:06,009 --> 00:29:10,929
well let's go thank you right we gonna

657
00:29:09,400 --> 00:29:11,890
talk to you about look look I was a

658
00:29:10,929 --> 00:29:13,900
whole bunch of people with their mind

659
00:29:11,890 --> 00:29:15,220
blown here Alethea what was them what

660
00:29:13,900 --> 00:29:19,300
was the thing he said that blew your

661
00:29:15,220 --> 00:29:21,069
mind the most too much can i pick okay I

662
00:29:19,299 --> 00:29:24,490
don't yeah everyone's a bit like that

663
00:29:21,069 --> 00:29:26,919
yeah the Q&A session so many interesting

664
00:29:24,490 --> 00:29:29,799
questions but talking about how they go

665
00:29:26,920 --> 00:29:31,870
about proving string theory mmm the

666
00:29:29,799 --> 00:29:33,879
different experiments that will probably

667
00:29:31,869 --> 00:29:37,509
be inconclusive or not show us anything

668
00:29:33,880 --> 00:29:41,290
but also the very basic question of how

669
00:29:37,509 --> 00:29:41,950
does string theory unite general

670
00:29:41,289 --> 00:29:45,069

relativity

671

00:29:41,950 --> 00:29:46,659
and quantum theory and he gave what was

672

00:29:45,069 --> 00:29:48,759
up to a point a really clear explanation

673

00:29:46,659 --> 00:29:50,740
and then it all fell apart from my

674

00:29:48,759 --> 00:29:52,990
little brain and I really wish that we

675

00:29:50,740 --> 00:29:54,669
had some visual aids yes because we had

676

00:29:52,990 --> 00:29:56,980
the Venn diagrams of the different

677

00:29:54,669 --> 00:29:58,570
theories and we and I think it's not

678

00:29:56,980 --> 00:30:01,000
clear how they do mesh maybe that's why

679

00:29:58,569 --> 00:30:03,638
we didn't understand it and earlier on

680

00:30:01,000 --> 00:30:05,528
he had such amazing visual to show us

681

00:30:03,638 --> 00:30:08,638
step out you know the heat death of the

682

00:30:05,528 --> 00:30:11,528
universe which helped my uneducated

683

00:30:08,638 --> 00:30:13,418
liberal arts brain and the concept of

684

00:30:11,528 --> 00:30:15,519
time taking so long that even black

685
00:30:13,419 --> 00:30:17,259
holes evaporate that get your head

686
00:30:15,519 --> 00:30:19,480
around that one people yeah oh and we

687
00:30:17,259 --> 00:30:21,429
all might be a brain in the future

688
00:30:19,480 --> 00:30:23,490
that's we all might be the creation of

689
00:30:21,429 --> 00:30:25,750
brain in the future or a simulation yes

690
00:30:23,490 --> 00:30:27,759
I've often thought that mean out as a

691
00:30:25,750 --> 00:30:29,349
simulation yeah so I think we all got a

692
00:30:27,759 --> 00:30:31,839
lot to ponder upon so good luck with it

693
00:30:29,349 --> 00:30:34,298
I know I can't understand it I can't

694
00:30:31,839 --> 00:30:36,038
either but that was an awesome event and

695
00:30:34,298 --> 00:30:37,808
Richard of course what did you find that

696
00:30:36,038 --> 00:30:40,960
was going on there what was blowing your

697
00:30:37,808 --> 00:30:42,730
little tiny eight brain ah my tiny eight

698
00:30:40,960 --> 00:30:44,019
brain oh well that's why I referred of

699
00:30:42,730 --> 00:30:47,200
mine I thought since I know you I could

700
00:30:44,019 --> 00:30:49,210
say the same thing yes I I like the when

701
00:30:47,200 --> 00:30:51,730
he was talking about people in the far

702
00:30:49,210 --> 00:30:54,429
far far future would look out and just

703
00:30:51,730 --> 00:30:56,409
see a tiny clusters of galaxies and

704
00:30:54,429 --> 00:30:57,909
think there's nothing beyond it because

705
00:30:56,409 --> 00:30:59,710
their instruments is saying there's

706
00:30:57,909 --> 00:31:01,450
nothing beyond it because the light from

707
00:30:59,710 --> 00:31:03,639
the galaxies are so far away and they're

708
00:31:01,450 --> 00:31:04,720
moving so fast that it there faster than

709
00:31:03,638 --> 00:31:06,759
the speed of light so the light can't

710
00:31:04,720 --> 00:31:08,470
get back to this galaxy and that was

711
00:31:06,759 --> 00:31:10,388
interesting would I get me started on

712
00:31:08,470 --> 00:31:11,829
actual alien theory because Noah no one

713

00:31:10,388 --> 00:31:13,449
listens to what the Egyptians were

714
00:31:11,829 --> 00:31:15,189
saying now and we would be worse than

715
00:31:13,450 --> 00:31:16,990
the Egyptians to those people then what

716
00:31:15,190 --> 00:31:19,058
do whether what were they saying oh well

717
00:31:16,990 --> 00:31:20,409
there's gods and stuff ha ha ha yeah

718
00:31:19,058 --> 00:31:25,960
there you go and they were controlled by

719
00:31:20,409 --> 00:31:27,429
cats i believe that i'm here with dish

720
00:31:25,960 --> 00:31:30,669
and what's your role with thinking dish

721
00:31:27,429 --> 00:31:32,679
i'm the founder of thinking wow okay so

722
00:31:30,669 --> 00:31:34,269
Brian Green is like a rock star within

723
00:31:32,679 --> 00:31:36,070
the world of thinking so tell me what

724
00:31:34,269 --> 00:31:38,138
does he own heaven his rider what kind

725
00:31:36,069 --> 00:31:41,829
of things does a physicist asked for

726
00:31:38,138 --> 00:31:44,859
backstage well and the only requirement

727
00:31:41,829 --> 00:31:47,109

he's a strict vegan okay and so that is

728

00:31:44,859 --> 00:31:48,849

not to say he asked for I want this and

729

00:31:47,109 --> 00:31:51,459

that he just says I'll have anything

730

00:31:48,849 --> 00:31:53,769

vegan okay so apart from that nothing

731

00:31:51,460 --> 00:31:54,789

else is very you know he likes water and

732

00:31:53,769 --> 00:31:56,230

soy milk

733

00:31:54,789 --> 00:31:57,609

now of course you've seen a lot of

734

00:31:56,230 --> 00:31:58,990

people here walking out with their head

735

00:31:57,609 --> 00:32:00,639

spinning because of all the concepts

736

00:31:58,990 --> 00:32:02,410

that have been introduced how do you go

737

00:32:00,640 --> 00:32:05,170

as someone that's been to every thinking

738

00:32:02,410 --> 00:32:06,430

thing and the got it going how did your

739

00:32:05,170 --> 00:32:08,620

brain go tonight with some of the

740

00:32:06,430 --> 00:32:10,450

concepts we got introduced to somebody

741

00:32:08,619 --> 00:32:12,009

tweeted today is saying I've been to so

742
00:32:10,450 --> 00:32:14,590
many thinking convince and it surprised

743
00:32:12,009 --> 00:32:15,700
me at every event you know there are so

744
00:32:14,589 --> 00:32:18,549
many people and I learned something

745
00:32:15,700 --> 00:32:19,809
that's that's the reality every event I

746
00:32:18,549 --> 00:32:22,450
mean this is the second show of the tour

747
00:32:19,809 --> 00:32:25,509
and I still learn things going oh wow I

748
00:32:22,450 --> 00:32:27,220
never thought of it like that and it's

749
00:32:25,509 --> 00:32:29,170
like that it's a pleasure it's an

750
00:32:27,220 --> 00:32:30,759
absolute pleasure it is still an unusual

751
00:32:29,170 --> 00:32:32,560
thing in culture to see a whole bunch of

752
00:32:30,759 --> 00:32:34,480
people give a standing ovation to

753
00:32:32,559 --> 00:32:36,849
someone's intelligence you don't get

754
00:32:34,480 --> 00:32:39,370
that every day so the whole idea behind

755
00:32:36,849 --> 00:32:41,980
thinking is just that we want to make

756
00:32:39,369 --> 00:32:44,619
intelligent thinkers people with ideas

757
00:32:41,980 --> 00:32:46,870
the pop culture icons of our society

758
00:32:44,619 --> 00:32:50,169
maybe an idealistic way or we both the

759
00:32:46,869 --> 00:32:53,289
world but you know Cardassians have a

760
00:32:50,170 --> 00:32:55,269
place but Brian greens and neil degrasse

761
00:32:53,289 --> 00:32:57,609
tyson should have a place in society in

762
00:32:55,269 --> 00:32:59,170
a similar level that is a grand idea of

763
00:32:57,609 --> 00:33:00,279
thinking look I know you got a lot of

764
00:32:59,170 --> 00:33:01,690
people coming who's the one you're

765
00:33:00,279 --> 00:33:04,599
looking forward to the most just pick

766
00:33:01,690 --> 00:33:07,809
one I know a lot of people coming that's

767
00:33:04,599 --> 00:33:09,969
a tough question just what someone's

768
00:33:07,809 --> 00:33:12,879
pulling my leg so I have to say skeptic

769
00:33:09,970 --> 00:33:14,740
on which is a actually I'll be I'll be

770

00:33:12,880 --> 00:33:18,490
quite honest the original thinking

771
00:33:14,740 --> 00:33:21,220
concept was a and one day ideas festival

772
00:33:18,490 --> 00:33:23,890
that didn't necessarily go to plan so

773
00:33:21,220 --> 00:33:26,289
skepticism is kind of like the one that's

774
00:33:23,890 --> 00:33:27,850
going to go right now you got a lot to

775
00:33:26,289 --> 00:33:30,399
do they you got more riders to figure

776
00:33:27,849 --> 00:33:33,750
gotta chase up some vegan wine so you do

777
00:33:30,400 --> 00:33:33,750
that man oh thank you

778
00:33:37,250 --> 00:33:40,318
[Music]

779
00:33:44,930 --> 00:33:51,400
[Music]

780
00:33:47,460 --> 00:33:54,730
and now direct from the cafe at

781
00:33:51,400 --> 00:34:02,230
Australia's science channel its brouhaha

782
00:33:54,730 --> 00:34:04,210
with ben lewis as cycling debbie basses

783
00:34:02,230 --> 00:34:06,670
queensland it's time to remember how

784
00:34:04,210 --> 00:34:08,829

important it is to stay informed during

785

00:34:06,670 --> 00:34:11,110

natural disasters the internet is great

786

00:34:08,829 --> 00:34:13,389

but let's face it it's easy to come

787

00:34:11,110 --> 00:34:15,400

across some pretty dodgy it fate now

788

00:34:13,389 --> 00:34:17,500

it's not just the Cyclones but bush

789

00:34:15,400 --> 00:34:20,289

fires floods and all the things

790

00:34:17,500 --> 00:34:21,969

Australia throws at us there's no time

791

00:34:20,289 --> 00:34:24,400

to waste trying to work out what's

792

00:34:21,969 --> 00:34:27,309

credible and what's not and it's all too

793

00:34:24,400 --> 00:34:29,170

tempting to just read everything so to

794

00:34:27,309 --> 00:34:31,449

make good decisions without getting

795

00:34:29,170 --> 00:34:33,970

wrapped up in information overload limit

796

00:34:31,449 --> 00:34:36,309

yourself to a few credible science back

797

00:34:33,969 --> 00:34:38,739

sources if you want to know about the

798

00:34:36,309 --> 00:34:40,179

storm itself the best place to head for

799

00:34:38,739 --> 00:34:42,159
info is the bureau of meteorology

800

00:34:40,179 --> 00:34:44,679
they're the folks who are collecting

801

00:34:42,159 --> 00:34:46,750
data in real time they are always

802

00:34:44,679 --> 00:34:49,510
improving their own ability to forecast

803

00:34:46,750 --> 00:34:52,059
cyclones by using a mixture of satellite

804

00:34:49,510 --> 00:34:53,260
imagery and computer modeling however

805

00:34:52,059 --> 00:34:55,000
cyclones are generally pretty

806

00:34:53,260 --> 00:34:57,280
unpredictable in their movement and

807

00:34:55,000 --> 00:34:59,429
intensity so you can't expect perfection

808

00:34:57,280 --> 00:35:02,560
but they're pretty damn good at it and

809

00:34:59,429 --> 00:35:05,409
if you hunker down at home keep an eye

810

00:35:02,559 --> 00:35:08,500
or even better an ear on the local ABC

811

00:35:05,409 --> 00:35:10,389
as the official emergency broadcaster

812

00:35:08,500 --> 00:35:13,360
their equipment is built to withstand

813
00:35:10,389 --> 00:35:15,549
disasters they will constantly broadcast

814
00:35:13,360 --> 00:35:17,590
emergency information from the state

815
00:35:15,550 --> 00:35:20,260
emergency services and other credible

816
00:35:17,590 --> 00:35:22,180
sources if you are in northern

817
00:35:20,260 --> 00:35:24,670
Queensland at the moment stay informed

818
00:35:22,179 --> 00:35:26,849
and stay safe we'll see you on the other

819
00:35:24,670 --> 00:35:26,849
side

820
00:35:26,909 --> 00:35:36,710
for more brouhaha and Australian science

821
00:35:29,940 --> 00:35:36,710
head for ww Australia science not TV

822
00:35:37,880 --> 00:35:43,410
greetings listeners it's me captain

823
00:35:41,039 --> 00:35:45,900
disillusion on my youtube channel called

824
00:35:43,409 --> 00:35:48,269
captain disillusion aye captain

825
00:35:45,900 --> 00:35:50,519
disillusion analyzed viral videos of the

826
00:35:48,269 --> 00:35:52,829
strange and unbelievable I explain how

827

00:35:50,519 --> 00:35:54,838
interframe video compression 3d motion

828
00:35:52,829 --> 00:35:57,298
tracking and stock the effects elements

829
00:35:54,838 --> 00:35:59,608
prove that Justin Bieber is not a secret

830
00:35:57,298 --> 00:36:01,440
reptilian alien but those videos of

831
00:35:59,608 --> 00:36:03,449
ghost cars are just unintentional

832
00:36:01,440 --> 00:36:05,159
optical illusions and that lightning did

833
00:36:03,449 --> 00:36:06,960
not strike a few feet away from a girl

834
00:36:05,159 --> 00:36:09,719
on a beach as we saw on the news I'm

835
00:36:06,960 --> 00:36:13,019
real fun at parties my best friend is a

836
00:36:09,719 --> 00:36:14,818
lens flare dimmer switch disillusion I

837
00:36:13,019 --> 00:36:16,679
do know other people sometimes they even

838
00:36:14,818 --> 00:36:19,409
show up in my videos people like

839
00:36:16,679 --> 00:36:21,719
skepticism is grandpa james randi sirve

840
00:36:19,409 --> 00:36:23,879
de Soleil Acrobat Erica Lynn's weight

841
00:36:21,719 --> 00:36:26,219

loss enthusiast Penn Jillette and the

842

00:36:23,880 --> 00:36:27,930

actual Beekman from Beakman's world I

843

00:36:26,219 --> 00:36:30,239

hope you'll check out my adventures

844

00:36:27,929 --> 00:36:32,578

interact with me in a platonic way and

845

00:36:30,239 --> 00:36:35,068

even consider becoming a patron of my

846

00:36:32,579 --> 00:36:38,330

work you can do all that and more on

847

00:36:35,068 --> 00:36:44,789

youtube or at captain disillusion calm

848

00:36:38,329 --> 00:36:44,789

[Music]

849

00:36:47,480 --> 00:36:53,789

on last week's episode of the skeptic

850

00:36:50,250 --> 00:36:57,510

zone I mentioned the report by choice

851

00:36:53,789 --> 00:36:59,550

magazine into the Geo cleanse home

852

00:36:57,510 --> 00:37:04,079

harmonizer from all gone effects

853

00:36:59,550 --> 00:37:08,460

Australia now this is a small lump of

854

00:37:04,079 --> 00:37:11,880

resin with a power plug sort of glued on

855

00:37:08,460 --> 00:37:14,130

or implanted into it so you can plug it

856
00:37:11,880 --> 00:37:16,559
into a power outlet why I don't know it

857
00:37:14,130 --> 00:37:18,660
doesn't do anything now this block is

858
00:37:16,559 --> 00:37:20,219
about an inch by two inches or something

859
00:37:18,659 --> 00:37:23,639
like that it's not very big and it's

860
00:37:20,219 --> 00:37:26,039
green it looks like the sort of green

861
00:37:23,639 --> 00:37:30,299
you would get if you bought something

862
00:37:26,039 --> 00:37:35,838
that their glowed in the dark I don't

863
00:37:30,300 --> 00:37:41,160
know the claims for this block of resin

864
00:37:35,838 --> 00:37:44,789
extravagant and vague and precise all at

865
00:37:41,159 --> 00:37:48,000
the same time it it's like a good luck

866
00:37:44,789 --> 00:37:50,159
charm but after the report from choice

867
00:37:48,000 --> 00:37:51,980
magazine to mendham from Australian

868
00:37:50,159 --> 00:37:55,440
skeptics and I put together this little

869
00:37:51,980 --> 00:38:00,599
item which you can find at skeptics com

870
00:37:55,440 --> 00:38:03,510
au choice rubbishes home harmonizer no

871
00:38:00,599 --> 00:38:07,200
effect and a waste of money published on

872
00:38:03,510 --> 00:38:09,359
the twenty-seventh of May 2017 choices

873
00:38:07,199 --> 00:38:12,509
put the so-called geo cleanse home

874
00:38:09,358 --> 00:38:15,150
harmonizer through a test and found it

875
00:38:12,510 --> 00:38:18,000
to be a waste of money and sure to turn

876
00:38:15,150 --> 00:38:20,720
off your friends geo cleanse is sold as

877
00:38:18,000 --> 00:38:23,699
a quote geo pathak stress and

878
00:38:20,719 --> 00:38:27,000
electromagnetic radiation harmonizer end

879
00:38:23,699 --> 00:38:30,989
quote that does sound extravagant I love

880
00:38:27,000 --> 00:38:34,199
this geo pathak stress I think that's to

881
00:38:30,989 --> 00:38:37,049
do with the mythical ley lines or earth

882
00:38:34,199 --> 00:38:39,358
energy or arrays or things like that the

883
00:38:37,050 --> 00:38:41,550
products supplied by a Victorian company

884

00:38:39,358 --> 00:38:43,828
all gone effects Australia is a solid

885
00:38:41,550 --> 00:38:46,619
block of green plastic resin with a plug

886
00:38:43,829 --> 00:38:49,680
a molded into the back it has no

887
00:38:46,619 --> 00:38:51,838
components or circuitry it is simply a

888
00:38:49,679 --> 00:38:53,969
block and a plug when plugged into a

889
00:38:51,838 --> 00:38:55,799
power point its claim to neutralize the

890
00:38:53,969 --> 00:38:59,730
effect of what choice describes as quote

891
00:38:55,800 --> 00:39:01,350
a startlingly long list of supposed

892
00:38:59,730 --> 00:39:04,230
for radiation and radio and

893
00:39:01,349 --> 00:39:06,779
electromagnetic fields from sources such

894
00:39:04,230 --> 00:39:08,849
as Wi-Fi mobile phone towers death

895
00:39:06,780 --> 00:39:11,040
in prints and negative psychic

896
00:39:08,849 --> 00:39:13,139
impressions solar flares your home smart

897
00:39:11,039 --> 00:39:15,480
meter and even your neighbors television

898
00:39:13,139 --> 00:39:18,230

a single geo cleanse home harmonizer is

899

00:39:15,480 --> 00:39:22,130

even powerful enough to harmonize

900

00:39:18,230 --> 00:39:24,900

interdimensional imprinting radiation

901

00:39:22,130 --> 00:39:26,970

sounds like some new-age rock group

902

00:39:24,900 --> 00:39:28,829

doesn't it and now with our latest hit

903

00:39:26,969 --> 00:39:32,489

it's interdimensional imprinting

904

00:39:28,829 --> 00:39:35,519

radiation go hmm personal beams and a

905

00:39:32,489 --> 00:39:39,389

variety of other made up stuff for up to

906

00:39:35,519 --> 00:39:41,099

12 acres or an entire 59 storey building

907

00:39:39,389 --> 00:39:42,829

in quote what if you live on the 60th

908

00:39:41,099 --> 00:39:44,819

floor you sort of out of luck aren't you

909

00:39:42,829 --> 00:39:47,119

what if you live on the second floor

910

00:39:44,820 --> 00:39:49,470

does it right really give you a lot of

911

00:39:47,119 --> 00:39:53,850

protection and the further you go up the

912

00:39:49,469 --> 00:39:56,269

less or from a little bit of resin the

913

00:39:53,849 --> 00:39:58,230
product promises to neutralize

914

00:39:56,269 --> 00:40:01,590
electromagnetic radiation radio

915

00:39:58,230 --> 00:40:06,329
frequencies and cosmic energy cosmic

916

00:40:01,590 --> 00:40:09,240
energy cosmic energy quote in our modern

917

00:40:06,329 --> 00:40:11,699
world things like this are impossible to

918

00:40:09,239 --> 00:40:14,159
avoid well I would have thought that

919

00:40:11,699 --> 00:40:17,519
cosmic energy was impossible to avoid if

920

00:40:14,159 --> 00:40:19,500
it exists from day one but this solid

921

00:40:17,519 --> 00:40:22,489
block of plastic promises to bring it in

922

00:40:19,500 --> 00:40:26,119
to your suffering in quote choice says

923

00:40:22,489 --> 00:40:30,389
now here's here's one of the the amorim

924

00:40:26,119 --> 00:40:33,720
ironically funny bits of the whole

925

00:40:30,389 --> 00:40:36,690
report and this is what organ effects is

926

00:40:33,719 --> 00:40:38,819
saying unlike other fake energy

927
00:40:36,690 --> 00:40:40,619
Harmonizers which all gone effects

928
00:40:38,820 --> 00:40:43,440
Australia claim can only create

929
00:40:40,619 --> 00:40:46,829
imaginary energy balancing fields of up

930
00:40:43,440 --> 00:40:49,200
to six meters or less geo cleanse claims

931
00:40:46,829 --> 00:40:51,509
to harmonize electromagnetic radiation

932
00:40:49,199 --> 00:40:54,439
and energy imprinting from electrical

933
00:40:51,510 --> 00:40:57,780
appliances wiring and power lines up to

934
00:40:54,440 --> 00:41:01,170
200 meters from your property and earth

935
00:40:57,780 --> 00:41:04,350
and magnetic grid lines up to 400 meters

936
00:41:01,170 --> 00:41:05,760
away now I think these gridlines I think

937
00:41:04,349 --> 00:41:07,469
these must be the ley lines that you

938
00:41:05,760 --> 00:41:10,710
were you may have heard about these

939
00:41:07,469 --> 00:41:11,209
mythical lines of energy that run around

940
00:41:10,710 --> 00:41:14,690
the plan

941

00:41:11,210 --> 00:41:17,179
but I love this line unlike other fake

942
00:41:14,690 --> 00:41:20,030
energy Harmonizers I wonder which ones

943
00:41:17,179 --> 00:41:21,559
they mean and I wonder how they tested

944
00:41:20,030 --> 00:41:23,300
them that all gone effects Australia I

945
00:41:21,559 --> 00:41:25,070
wonder what sort of I know what sort of

946
00:41:23,300 --> 00:41:27,230
test they would have done actually if

947
00:41:25,070 --> 00:41:30,740
they did any test law they would have

948
00:41:27,230 --> 00:41:32,659
used here it comes dowsing rods or

949
00:41:30,739 --> 00:41:34,309
divining rods in fact when I was

950
00:41:32,659 --> 00:41:37,429
speaking to one of their representatives

951
00:41:34,309 --> 00:41:39,679
own over a year ago I think it's hard to

952
00:41:37,429 --> 00:41:42,618
remember mind body wallet comes up every

953
00:41:39,679 --> 00:41:45,069
six months so after all these years they

954
00:41:42,619 --> 00:41:48,349
sort of get lost in a bit of a blur but

955
00:41:45,070 --> 00:41:51,349

at one occasion I was actually having a

956

00:41:48,349 --> 00:41:54,380

very nice and polite chat to one of the

957

00:41:51,349 --> 00:41:56,539

representatives expressing my doubts of

958

00:41:54,380 --> 00:41:59,780

course and at the end of the chat I

959

00:41:56,539 --> 00:42:02,059

offered them details Lee at the

960

00:41:59,780 --> 00:42:04,790

Australian skeptics \$100,000 challenge

961

00:42:02,059 --> 00:42:06,170

but during the course of my chat with

962

00:42:04,789 --> 00:42:08,059

one of the representatives about this

963

00:42:06,170 --> 00:42:10,639

orgone energy in the products I was

964

00:42:08,059 --> 00:42:13,639

selling he said that they would test

965

00:42:10,639 --> 00:42:15,559

things using dowsing rods to see if

966

00:42:13,639 --> 00:42:18,289

there was working like a lump of resin

967

00:42:15,559 --> 00:42:21,679

on the table or a harmonizer or what

968

00:42:18,289 --> 00:42:24,259

have you and indeed the phone patches

969

00:42:21,679 --> 00:42:25,969

they sell when I asked him what was one

970
00:42:24,260 --> 00:42:29,359
of the ways you knew it was working well

971
00:42:25,969 --> 00:42:32,989
dowsing rods and in fact on the table at

972
00:42:29,358 --> 00:42:35,539
their exhibition stand they had dowsing

973
00:42:32,989 --> 00:42:37,848
rods they're ready to go or the other

974
00:42:35,539 --> 00:42:40,789
way you can test it is by doing Kirlian

975
00:42:37,849 --> 00:42:43,550
photography or aura photography and it

976
00:42:40,789 --> 00:42:45,949
says a lot choice magazine put the

977
00:42:43,550 --> 00:42:47,930
product which retails for 150 dollars

978
00:42:45,949 --> 00:42:51,739
through a series of laboratory tests of

979
00:42:47,929 --> 00:42:55,269
the supplies claims including impact on

980
00:42:51,739 --> 00:42:59,439
magnets and electromagnetic fields none

981
00:42:55,269 --> 00:43:03,550
increase in the number of photons none

982
00:42:59,440 --> 00:43:08,838
increase in oxygen levels none and

983
00:43:03,550 --> 00:43:10,670
generating negative ions none and you'll

984
00:43:08,838 --> 00:43:12,679
remember from last week they rounded off

985
00:43:10,670 --> 00:43:15,680
their report by saying geo cleanse has

986
00:43:12,679 --> 00:43:17,929
quote the effectiveness of a tin foil

987
00:43:15,679 --> 00:43:21,108
hat but lacks the hats potential for use

988
00:43:17,929 --> 00:43:24,739
in food preparation in quote one

989
00:43:21,108 --> 00:43:27,889
purchaser on a review site did vouch for

990
00:43:24,739 --> 00:43:30,289
geo cleansers effectiveness quote the

991
00:43:27,889 --> 00:43:32,420
day after plugging it in I noticed the

992
00:43:30,289 --> 00:43:35,210
postman delivered our mail 10 minutes

993
00:43:32,420 --> 00:43:37,010
earlier which is one of the few claims

994
00:43:35,210 --> 00:43:39,619
not listed by the manufacturer and

995
00:43:37,010 --> 00:43:42,020
should definitely be added it also

996
00:43:39,619 --> 00:43:44,088
manages to make money disappear but then

997
00:43:42,019 --> 00:43:46,369
if you bought one you'd already know

998

00:43:44,088 --> 00:43:49,309
that meant quote all going to fix

999
00:43:46,369 --> 00:43:52,160
customer relations Australian skeptics

1000
00:43:49,309 --> 00:43:54,079
has had a number of run-ins with the Geo

1001
00:43:52,159 --> 00:43:57,319
cleanse supplier or grin effects

1002
00:43:54,079 --> 00:43:59,358
Australia in 2016 skeptics investigator

1003
00:43:57,320 --> 00:44:01,430
Richard Saunders had an interesting

1004
00:43:59,358 --> 00:44:04,460
discussion with one of the company reps

1005
00:44:01,429 --> 00:44:06,409
as I was just telling you about at the

1006
00:44:04,460 --> 00:44:08,389
mind-body-spirit exhibition in Sydney

1007
00:44:06,409 --> 00:44:10,219
even though Saunders was upfront about

1008
00:44:08,389 --> 00:44:12,230
his role in the skeptics they talked

1009
00:44:10,219 --> 00:44:14,719
openly about their range of products

1010
00:44:12,230 --> 00:44:17,539
which include harmonizers for mobile

1011
00:44:14,719 --> 00:44:20,480
phones and Wi-Fi radiation wristwatches

1012
00:44:17,539 --> 00:44:24,349

the ionic personal protection pendant

1013

00:44:20,480 --> 00:44:29,170

how many wear jewelry ionic shoe insoles

1014

00:44:24,349 --> 00:44:32,059

and anionic toothbrush that'll really um

1015

00:44:29,170 --> 00:44:33,500

that'll what you get a zap when you do

1016

00:44:32,059 --> 00:44:35,750

that would you put it under running

1017

00:44:33,500 --> 00:44:38,150

water an offer to apply for the

1018

00:44:35,750 --> 00:44:40,849

Australian skeptics \$100,000 prize was

1019

00:44:38,150 --> 00:44:43,490

also made at this encounter in August

1020

00:44:40,849 --> 00:44:46,130

2016 Saunders ordered one of the organ

1021

00:44:43,489 --> 00:44:48,348

effects phone harmonizers as part of an

1022

00:44:46,130 --> 00:44:50,690

ongoing investigation into such devices

1023

00:44:48,349 --> 00:44:52,910

but when the company management realized

1024

00:44:50,690 --> 00:44:55,240

who he was they refunded his money now

1025

00:44:52,909 --> 00:44:58,719

that was interesting that was on the

1026

00:44:55,239 --> 00:45:01,159

11th of August 2016 and in the morning

1027
00:44:58,719 --> 00:45:04,189
we were the strange skeptics looking at

1028
00:45:01,159 --> 00:45:07,039
all a range of these fun radiation

1029
00:45:04,190 --> 00:45:09,320
shields and as a process as part of the

1030
00:45:07,039 --> 00:45:11,869
process I bought one from this company

1031
00:45:09,320 --> 00:45:13,400
one from this company and so on and then

1032
00:45:11,869 --> 00:45:16,220
I bought one online from all gone

1033
00:45:13,400 --> 00:45:21,789
effects Australia within an hour or just

1034
00:45:16,219 --> 00:45:24,829
over an hour I noticed in my paypal my

1035
00:45:21,789 --> 00:45:26,989
purchase has been refunded very quickly

1036
00:45:24,829 --> 00:45:29,029
and I was a bit confused and then very

1037
00:45:26,989 --> 00:45:33,979
shortly after I had text message on my

1038
00:45:29,030 --> 00:45:37,599
phone and it said quote are you from

1039
00:45:33,980 --> 00:45:37,599
Australian skeptics end quote

1040
00:45:38,059 --> 00:45:45,690
my reply quote yes I noticed the refund

1041
00:45:42,778 --> 00:45:50,099
are you out of stock and quote I heard

1042
00:45:45,690 --> 00:45:53,460
nothing more so I can I can imagine my

1043
00:45:50,099 --> 00:45:55,400
can surmise I can speculate that after

1044
00:45:53,460 --> 00:45:59,009
my conversation with one of the reps and

1045
00:45:55,400 --> 00:46:01,470
the passing of over of our challenge

1046
00:45:59,009 --> 00:46:03,829
which is a little lamb little little

1047
00:46:01,469 --> 00:46:07,439
flyer novelty check flyer much like the

1048
00:46:03,829 --> 00:46:10,349
James Randi Educational Foundation used

1049
00:46:07,440 --> 00:46:14,700
to give up with that discussions ensued

1050
00:46:10,349 --> 00:46:18,170
at all gone effects Australia and the

1051
00:46:14,699 --> 00:46:21,419
next time I showed up at the

1052
00:46:18,170 --> 00:46:24,420
mind-body-spirit after this so that

1053
00:46:21,420 --> 00:46:27,329
would have been late in 2016 in november

1054
00:46:24,420 --> 00:46:31,940
i think it was before i even got to the

1055

00:46:27,329 --> 00:46:36,028
the stand of the organ effects australia

1056
00:46:31,940 --> 00:46:38,338
they called security and by the time in

1057
00:46:36,028 --> 00:46:41,219
bryce my friend and investigator turned

1058
00:46:38,338 --> 00:46:44,369
up as we walk down the corridor our

1059
00:46:41,219 --> 00:46:45,959
security that were there both the reps

1060
00:46:44,369 --> 00:46:49,528
from all gone effects Australia were

1061
00:46:45,960 --> 00:46:51,630
very nervous and hyper and and and they

1062
00:46:49,528 --> 00:46:53,728
looked like rabbits in the headlight one

1063
00:46:51,630 --> 00:46:56,640
of them took out his camera and took a

1064
00:46:53,728 --> 00:46:58,228
picture of me for some reason we're not

1065
00:46:56,639 --> 00:46:59,568
talking to you you're from Australian

1066
00:46:58,228 --> 00:47:02,218
skeptics you're here to cause trouble

1067
00:46:59,568 --> 00:47:03,748
they said it's a pity they took this

1068
00:47:02,219 --> 00:47:06,119
attitude because my last encounter with

1069
00:47:03,748 --> 00:47:07,588

them was very friendly but I imagine if

1070

00:47:06,119 --> 00:47:10,920

you're selling products like this you

1071

00:47:07,588 --> 00:47:13,889

might be worried about investigations we

1072

00:47:10,920 --> 00:47:16,229

read on however this sensitivity to

1073

00:47:13,889 --> 00:47:18,028

negative skeptical vibes didn't stop

1074

00:47:16,228 --> 00:47:20,608

them selling a phone harmonizer to

1075

00:47:18,028 --> 00:47:22,978

skeptics executive officer tim mendham

1076

00:47:20,608 --> 00:47:25,380

at the next mind-body-spirit fair in

1077

00:47:22,978 --> 00:47:28,548

2017 this is the same one where they

1078

00:47:25,380 --> 00:47:31,170

called security on me but Tim mendham

1079

00:47:28,548 --> 00:47:33,690

went down to their store sometime

1080

00:47:31,170 --> 00:47:35,880

earlier and simply bought one of their

1081

00:47:33,690 --> 00:47:37,588

products the seller told mendham that

1082

00:47:35,880 --> 00:47:40,528

while the harmonizer was supposed to be

1083

00:47:37,588 --> 00:47:42,599

stuck to the back of the phone and this

1084
00:47:40,528 --> 00:47:45,748
is this is a little sticker mrs. Abbott

1085
00:47:42,599 --> 00:47:48,719
just a sticker you put on it could also

1086
00:47:45,748 --> 00:47:51,088
be stuck onto the phone cover or in fact

1087
00:47:48,719 --> 00:47:53,969
just allowed to slide

1088
00:47:51,088 --> 00:47:56,358
the cover without being fixed the effect

1089
00:47:53,969 --> 00:47:59,309
would be the same he said without any

1090
00:47:56,358 --> 00:48:00,690
irony this is not the first time the

1091
00:47:59,309 --> 00:48:03,769
subject of orgone energy has been

1092
00:48:00,690 --> 00:48:06,749
investigated by Australian skeptics in

1093
00:48:03,768 --> 00:48:08,968
1986 the late racing car driver peter

1094
00:48:06,748 --> 00:48:13,139
brock was awarded the bent spoon for his

1095
00:48:08,969 --> 00:48:16,108
ill-fated energy polarizer box which was

1096
00:48:13,139 --> 00:48:19,558
also based on orgone energy now this was

1097
00:48:16,108 --> 00:48:22,288
a little box you put under the bonnet or

1098
00:48:19,559 --> 00:48:25,289
the hood of the car and it claimed to

1099
00:48:22,289 --> 00:48:28,650
make the car run smoother better give

1100
00:48:25,289 --> 00:48:30,239
you more economy everything everything

1101
00:48:28,650 --> 00:48:32,190
like that and this was based on this

1102
00:48:30,239 --> 00:48:33,568
mythical orgone energy it looks like

1103
00:48:32,190 --> 00:48:35,460
there will be another bench spoon

1104
00:48:33,568 --> 00:48:38,278
nomination for this mythical energy in

1105
00:48:35,460 --> 00:48:40,429
2017 yes that should come soon on these

1106
00:48:38,278 --> 00:48:43,739
Australian skeptics website and

1107
00:48:40,429 --> 00:48:45,419
nominations are open for the 2017 bent

1108
00:48:43,739 --> 00:48:48,650
spoon award if you live in Australia and

1109
00:48:45,420 --> 00:48:51,329
you'd like to nominate an Australian

1110
00:48:48,650 --> 00:48:56,219
outfit company product psychic

1111
00:48:51,329 --> 00:48:58,109
clairvoyant government department you

1112

00:48:56,219 --> 00:49:01,559
can do that at skeptics come you

1113
00:48:58,108 --> 00:49:04,139
shortly I think with this history and

1114
00:49:01,559 --> 00:49:06,690
such a damning report from the respected

1115
00:49:04,139 --> 00:49:10,098
organization choice we cannot help but

1116
00:49:06,690 --> 00:49:13,139
wonder if at long last the a Triple C

1117
00:49:10,099 --> 00:49:15,690
Consumer Affairs Victoria where the

1118
00:49:13,139 --> 00:49:18,058
company is located or other state-based

1119
00:49:15,690 --> 00:49:20,729
Consumer Affairs departments might also

1120
00:49:18,059 --> 00:49:22,319
like to take a keen interest in the

1121
00:49:20,728 --> 00:49:24,858
products and claims of all gone effects

1122
00:49:22,318 --> 00:49:24,858
Australia

1123
00:49:25,150 --> 00:49:30,950
and of course they are the right people

1124
00:49:27,889 --> 00:49:32,569
to do it choice magazine have done a

1125
00:49:30,949 --> 00:49:33,980
great job in investigating this the

1126
00:49:32,570 --> 00:49:36,410

Australian skeptics investigate things

1127

00:49:33,980 --> 00:49:40,460

like this all the time but ultimately we

1128

00:49:36,409 --> 00:49:43,789

can't change the law or have the same

1129

00:49:40,460 --> 00:49:46,849

effect as a government department who

1130

00:49:43,789 --> 00:49:48,769

regulates such things this is basic

1131

00:49:46,849 --> 00:49:50,690

consumer affairs if you sell a lump

1132

00:49:48,769 --> 00:49:52,380

plastic and make all these claims about

1133

00:49:50,690 --> 00:49:54,150

it

1134

00:49:52,380 --> 00:49:56,910

you have to back up those claims they

1135

00:49:54,150 --> 00:50:00,480

have to be real like any product sold by

1136

00:49:56,909 --> 00:50:03,538

anybody ranging from mobile phones two

1137

00:50:00,480 --> 00:50:06,269

microphones I'm using now computers

1138

00:50:03,539 --> 00:50:09,778

fridges it doesn't matter we have

1139

00:50:06,268 --> 00:50:12,229

consumer laws in Australia we have laws

1140

00:50:09,778 --> 00:50:15,440

that protect you when you buy something

1141
00:50:12,230 --> 00:50:20,190
we have laws about making claims

1142
00:50:15,440 --> 00:50:22,798
advertising and whatever the people are

1143
00:50:20,190 --> 00:50:28,139
all gone effects Australia believe they

1144
00:50:22,798 --> 00:50:31,768
have to abide by these laws for a good

1145
00:50:28,139 --> 00:50:35,400
laugh google or go on energy who r g 0

1146
00:50:31,768 --> 00:50:37,558
and e orgone energy and find out about

1147
00:50:35,400 --> 00:50:41,349
the history of this wacky crazy zany

1148
00:50:37,559 --> 00:50:50,679
off-the-wall madcap theory

1149
00:50:41,349 --> 00:50:50,679
[Music]

1150
00:50:55,619 --> 00:51:01,809
I'm courses hello an alley door to her

1151
00:50:58,989 --> 00:51:03,368
that the skeptics on podcasts boasted

1152
00:51:01,809 --> 00:51:05,470
year this is alvin Dutch Manannan

1153
00:51:03,369 --> 00:51:07,990
skeptic of a band gift / vital

1154
00:51:05,469 --> 00:51:12,548
information Oberon's on the skeptic a

1155
00:51:07,989 --> 00:51:17,828
magazine reserved v.v.v point gavey oop

1156
00:51:12,548 --> 00:51:20,650
a punk talk hv dejala vvv font TV rupee

1157
00:51:17,829 --> 00:51:24,509
Potok on tons of it say on facebook

1158
00:51:20,650 --> 00:51:24,509
twitter and google+ side

1159
00:51:26,429 --> 00:51:34,138
[Music]

1160
00:51:40,630 --> 00:51:44,530
thank you for listening to the skeptic

1161
00:51:43,070 --> 00:51:48,380
zone and another and another

1162
00:51:44,530 --> 00:51:50,150
congratulations to Maynard it's it's

1163
00:51:48,380 --> 00:51:52,730
quite an interesting thing when

1164
00:51:50,150 --> 00:51:54,320
Maynard's doing something for the

1165
00:51:52,730 --> 00:51:56,389
skeptic zone as you heard with these

1166
00:51:54,320 --> 00:51:59,119
wonderful interviews at the brine green

1167
00:51:56,389 --> 00:52:01,879
talk how he is running around like a

1168
00:51:59,119 --> 00:52:04,900
lunatic getting lots of content but I

1169

00:52:01,880 --> 00:52:07,039
promise you the situation is reversed as

1170
00:52:04,900 --> 00:52:08,869
just the other night at the podcasting

1171
00:52:07,039 --> 00:52:11,389
Awards when I was running around like a

1172
00:52:08,869 --> 00:52:15,380
lunatic with my video camera and light

1173
00:52:11,389 --> 00:52:17,629
so mean I could do the red carpet the

1174
00:52:15,380 --> 00:52:21,309
Vox pops on the red carpet and look I'll

1175
00:52:17,630 --> 00:52:23,720
link to the video of the podcast awards

1176
00:52:21,309 --> 00:52:26,239
in the show notes so you can see all the

1177
00:52:23,719 --> 00:52:28,009
awards and of course May nada running up

1178
00:52:26,239 --> 00:52:30,349
to the stage and being a bit of a goose

1179
00:52:28,010 --> 00:52:32,690
what you heard in the earlier in the

1180
00:52:30,349 --> 00:52:34,279
introduction was a edited version of his

1181
00:52:32,690 --> 00:52:37,429
acceptance speech so if you want to hear

1182
00:52:34,280 --> 00:52:40,070
the whole thing head for the link i'll

1183
00:52:37,429 --> 00:52:41,809

post in the show notes i'm looking

1184

00:52:40,070 --> 00:52:43,100

forward to next weekend everybody i'm

1185

00:52:41,809 --> 00:52:44,269

looking forward to next weekend i'm

1186

00:52:43,099 --> 00:52:46,940

going to catching up with some friends

1187

00:52:44,269 --> 00:52:49,369

from the stranger things group here in

1188

00:52:46,940 --> 00:52:51,289

sydney we're having a working be

1189

00:52:49,369 --> 00:52:53,329

afternoon working bee and meeting a

1190

00:52:51,289 --> 00:52:56,889

think tank I don't know what you'd call

1191

00:52:53,329 --> 00:52:59,989

it we're going to be spending hours on

1192

00:52:56,889 --> 00:53:02,509

laptops researching predictions as part

1193

00:52:59,989 --> 00:53:05,239

of the prediction the great prediction

1194

00:53:02,510 --> 00:53:07,760

project I'm working on looking forward

1195

00:53:05,239 --> 00:53:09,409

to that it should be a lot of fun thank

1196

00:53:07,760 --> 00:53:11,540

you to those people who continue to

1197

00:53:09,409 --> 00:53:14,118

support the skeptic zone financially you

1198
00:53:11,539 --> 00:53:15,829
can do that at skeptic zone TV some

1199
00:53:14,119 --> 00:53:18,140
people chip in a dollar a week some

1200
00:53:15,829 --> 00:53:20,989
people chip in five some very generous

1201
00:53:18,139 --> 00:53:22,839
people chip in a bit more and it all

1202
00:53:20,989 --> 00:53:25,159
adds up and means that i can keep

1203
00:53:22,840 --> 00:53:26,720
bringing you the show and the reporters

1204
00:53:25,159 --> 00:53:29,719
can keep bringing you the show too so

1205
00:53:26,719 --> 00:53:33,079
thank you thank you once again but for

1206
00:53:29,719 --> 00:53:36,559
this week as I am as i go and gargle

1207
00:53:33,079 --> 00:53:38,750
some something or other two to help my

1208
00:53:36,559 --> 00:53:40,699
poor old croaky voice from last night I

1209
00:53:38,750 --> 00:53:43,460
think I got a bit carried away that was

1210
00:53:40,699 --> 00:53:46,789
me yelling hooray one minute laughs one

1211
00:53:43,460 --> 00:53:49,400
Hill port for this week this is Richard

1212
00:53:46,789 --> 00:53:51,529
Saunders moored who's sleeping yes

1213
00:53:49,400 --> 00:53:52,730
mortgage sleeping next to me I don't know

1214
00:53:51,530 --> 00:53:54,980
where Henrietta is I think

1215
00:53:52,730 --> 00:54:01,369
under the bed somewhere signing off from

1216
00:53:54,980 --> 00:54:03,889
Sydney Australia you've been listening

1217
00:54:01,369 --> 00:54:07,429
to the skeptics own podcast visit our

1218
00:54:03,889 --> 00:54:09,679
website at wwc aiptek zoomtv for

1219
00:54:07,429 --> 00:54:14,089
contacts and archive of all episodes

1220
00:54:09,679 --> 00:54:16,219
since 2008 and our online store please

1221
00:54:14,090 --> 00:54:19,550
support the skeptic zone by following us

1222
00:54:16,219 --> 00:54:22,539
on twitter at skeptic zone liking us on

1223
00:54:19,550 --> 00:54:24,890
facebook and leaving a review on iTunes

1224
00:54:22,539 --> 00:54:27,559
you can also show your support by

1225
00:54:24,889 --> 00:54:31,309
subscribing via paypal for as little as

1226

00:54:27,559 --> 00:54:33,380
99 cents a week the skeptic zone is an

1227
00:54:31,309 --> 00:54:35,449
independent production the views and

1228
00:54:33,380 --> 00:54:37,640
opinions expressed on the skeptic zone

1229
00:54:35,449 --> 00:54:40,519
and not necessarily those of Australian

1230
00:54:37,639 --> 00:54:43,329
skeptic Z or any other skeptical

1231
00:54:40,519 --> 00:54:43,329
organization