

**SKEPTIC
ZONE**



THINKING CAPS
MUST BE WORN
IN THIS AREA

The
Podcast
from
Australia
for
Science
and
Reason

www.skepticzone.tv

1
00:00:27,290 --> 00:00:23,300
hello and welcome to the skeptic zone

2
00:00:35,299 --> 00:00:27,300
episode number 56 for the 13th of

3
00:00:37,670 --> 00:00:35,309
November 2009 Friday Friday okay that's

4
00:00:39,799 --> 00:00:37,680
enough of that on this week's show we

5
00:00:43,040 --> 00:00:39,809
have a special interview conducted by

6
00:00:46,010 --> 00:00:43,050
Kylie Sturgis in Perth with Tom Perry

7
00:00:48,110 --> 00:00:46,020
and Ricky burns now Tom Perry and Ricky

8
00:00:50,330 --> 00:00:48,120
burns are the wonderful people who did

9
00:00:52,569 --> 00:00:50,340
the photographic session with dr. rachy

10
00:00:55,130 --> 00:00:52,579
and myself a couple of months ago

11
00:00:56,840 --> 00:00:55,140
fantastically good fun very generous of

12
00:00:59,930 --> 00:00:56,850
them but they have a very interesting

13
00:01:02,030 --> 00:00:59,940

insight into skepticism and their role

14

00:01:04,760 --> 00:01:02,040

in the media that's coming up in a

15

00:01:07,700 --> 00:01:04,770

moment after that we have a report from

16

00:01:10,999 --> 00:01:07,710

the mind-body-spirit festival that was

17

00:01:12,889 --> 00:01:11,009

here in Sydney where Joann been amoo and

18

00:01:14,900 --> 00:01:12,899

myself and some other skeptics go along

19

00:01:17,590 --> 00:01:14,910

so we have a little introduction then we

20

00:01:20,630 --> 00:01:17,600

get into Joe's a report about the

21

00:01:23,359 --> 00:01:20,640

mind-body Wallace as we call it followed

22

00:01:25,730 --> 00:01:23,369

by our wrap up and you'll hear me giving

23

00:01:28,419 --> 00:01:25,740

some straightforward advice to some of

24

00:01:30,889 --> 00:01:28,429

the people there after that we have dr.

25

00:01:36,219 --> 00:01:30,899

Reggie reports and her interview with

26
00:01:38,960 --> 00:01:36,229
dr. Alex Lucas about hookworms oh yes

27
00:01:41,809 --> 00:01:38,970
hmm and then after that we have the

28
00:01:45,020 --> 00:01:41,819
think tank the good old think tank so

29
00:01:47,719 --> 00:01:45,030
sit back grab a nice glass of apple and

30
00:01:49,309 --> 00:01:47,729
raspberry cordial why not that's what

31
00:02:07,109 --> 00:01:49,319
I've got right here and enjoy this

32
00:02:13,030 --> 00:02:10,300
I'm Carly Sturgis and I'm talking to

33
00:02:15,040 --> 00:02:13,040
Ricky burns and Tom Perry when skeptic

34
00:02:17,229 --> 00:02:15,050
zones Richard and dr. H II came to first

35
00:02:18,820 --> 00:02:17,239
a special photo shoot was donated by

36
00:02:20,800 --> 00:02:18,830
both Ricky and Tom who work in

37
00:02:22,870 --> 00:02:20,810
advertising you can see the photos and

38
00:02:24,970 --> 00:02:22,880

the behind-the-scenes video on the

39

00:02:26,830 --> 00:02:24,980

skeptics own Facebook page their

40

00:02:28,479 --> 00:02:26,840

generosity and talents led us to keep in

41

00:02:30,850 --> 00:02:28,489

touch so I'm talking to them about

42

00:02:32,800 --> 00:02:30,860

creativity they've used on how skeptics

43

00:02:36,460 --> 00:02:32,810

can tap into mainstream media and the

44

00:02:38,289 --> 00:02:36,470

marketing of skepticism I'm

45

00:02:44,350 --> 00:02:38,299

photographers from Western Australia I

46

00:02:45,880 --> 00:02:44,360

work dominantly in advertising great and

47

00:02:48,130 --> 00:02:45,890

wearing a skeptic's guide to the

48

00:02:49,509 --> 00:02:48,140

universe t-shirt yes and the person

49

00:02:51,100 --> 00:02:49,519

who's responsible for the skeptics

50

00:02:54,240 --> 00:02:51,110

founder the university shirt is sitting

51
00:02:57,520 --> 00:02:54,250
next to me as well hello Ricky hi Kylie

52
00:02:59,080 --> 00:02:57,530
tell us about yourself um I'm an art

53
00:03:01,720 --> 00:02:59,090
director I work in an advertising agency

54
00:03:03,430 --> 00:03:01,730
now you say something about my hair you

55
00:03:05,710 --> 00:03:03,440
have a lovely bow in your hair thank you

56
00:03:07,660 --> 00:03:05,720
so I'm here with two people who are in

57
00:03:11,590 --> 00:03:07,670
an arts related field in one way or

58
00:03:12,879 --> 00:03:11,600
another why because you're both skeptics

59
00:03:19,000 --> 00:03:12,889
aren't you or consider yourself to be

60
00:03:20,770 --> 00:03:19,010
skeptics very much so yeah I think I'm a

61
00:03:22,930 --> 00:03:20,780
skeptic purely because I am naturally

62
00:03:26,590 --> 00:03:22,940
inclined that way I have a natural

63
00:03:28,870 --> 00:03:26,600

inclination to question what is put in

64

00:03:32,080 --> 00:03:28,880

front of me and not just blindly accept

65

00:03:35,500 --> 00:03:32,090

it and through being like that most my

66

00:03:37,330 --> 00:03:35,510

life I'd I found the movement mm-hmm and

67

00:03:39,490 --> 00:03:37,340

guess adopted the word although I never

68

00:03:41,080 --> 00:03:39,500

really used the word before and it's

69

00:03:43,870 --> 00:03:41,090

just become appropriate and I've got

70

00:03:46,629 --> 00:03:43,880

particularly excited and enthused and I

71

00:03:49,750 --> 00:03:46,639

enjoy being involved yeah what do you

72

00:03:51,490 --> 00:03:49,760

think about the name skeptic um I don't

73

00:03:54,009 --> 00:03:51,500

think there's a problem with the name I

74

00:03:55,120 --> 00:03:54,019

think there might be slight perception

75

00:03:57,309 --> 00:03:55,130

problem with people that don't

76

00:03:59,920 --> 00:03:57,319

understand what it is but I don't think

77

00:04:02,259 --> 00:03:59,930

we can just go and put some kind of fake

78

00:04:05,680 --> 00:04:02,269

name on it or try and create a brand

79

00:04:07,750 --> 00:04:05,690

around it which doesn't explain what it

80

00:04:10,059 --> 00:04:07,760

really is I think there's a negative

81

00:04:13,180 --> 00:04:10,069

connotation to the word in the general

82

00:04:15,820 --> 00:04:13,190

public that when you explain what it is

83

00:04:18,190 --> 00:04:15,830

people is shared very very quickly I

84

00:04:20,039 --> 00:04:18,200

think with the moment getting bigger and

85

00:04:22,720 --> 00:04:20,049

bigger all the time and more people

86

00:04:26,050 --> 00:04:22,730

having their ears pricked up to it that

87

00:04:28,030 --> 00:04:26,060

will slowly become less and less and you

88

00:04:30,480 --> 00:04:28,040

know I really enjoy the word I think

89

00:04:32,710 --> 00:04:30,490

it's an appropriate word and over time I

90

00:04:35,230 --> 00:04:32,720

think it's a perfect piece of branding

91

00:04:37,840 --> 00:04:35,240

it's just all the other things that will

92

00:04:40,510 --> 00:04:37,850

slowly come along to be associated with

93

00:04:42,310 --> 00:04:40,520

that which is usually too damn media

94

00:04:44,680 --> 00:04:42,320

exposure what are some of the big

95

00:04:47,470 --> 00:04:44,690

influences on youtube in terms of

96

00:04:49,810 --> 00:04:47,480

embracing skepticism I guess my journey

97

00:04:52,330 --> 00:04:49,820

to I mean I'm an atheist very much an

98

00:04:54,790 --> 00:04:52,340

atheist in my a lot of people I find

99

00:04:56,740 --> 00:04:54,800

become skeptics and then become atheist

100

00:05:00,310 --> 00:04:56,750

side I did it the other way round my

101
00:05:02,290 --> 00:05:00,320
parents are both militant atheists Judah

102
00:05:04,330 --> 00:05:02,300
reasons of their upbringing in the East

103
00:05:08,040 --> 00:05:04,340
End of London and all sorts of reasons

104
00:05:10,690 --> 00:05:08,050
but I was always brought up to not only

105
00:05:14,590 --> 00:05:10,700
question but really quite aggressively

106
00:05:17,470 --> 00:05:14,600
question religious dogma and I guess

107
00:05:20,650 --> 00:05:17,480
when that really became a form of

108
00:05:23,020 --> 00:05:20,660
skepticism was I was living in a suburb

109
00:05:24,550 --> 00:05:23,030
of Perth with a friend and and the

110
00:05:26,050 --> 00:05:24,560
jehovah's witnesses came and knocked on

111
00:05:27,730 --> 00:05:26,060
the door and he threw a bunch of

112
00:05:29,020 --> 00:05:27,740
arguments at me trying to be persuasive

113
00:05:32,020 --> 00:05:29,030

in all nice and I'm standing there

114

00:05:34,270 --> 00:05:32,030

smiling and I systematically pulled

115

00:05:35,830 --> 00:05:34,280

apart very rationally very friendly

116

00:05:37,330 --> 00:05:35,840

pulled apart each of his arguments that

117

00:05:39,340 --> 00:05:37,340

you went okay I'll see you in two week

118

00:05:42,250 --> 00:05:39,350

two weeks he showed up again with

119

00:05:44,409 --> 00:05:42,260

another set of arguments fish eyes all

120

00:05:47,710 --> 00:05:44,419

the standard things you know arguing

121

00:05:50,350 --> 00:05:47,720

against evolution and intelligent design

122

00:05:53,320 --> 00:05:50,360

all sorts of things and I picked each

123

00:05:55,480 --> 00:05:53,330

one of those off based on the knowledge

124

00:05:57,310 --> 00:05:55,490

that I naturally acquire because I'm

125

00:06:00,220 --> 00:05:57,320

interested in science even though I am

126

00:06:01,659 --> 00:06:00,230

an artist I'd I I read a lot about

127

00:06:03,550 --> 00:06:01,669

science and I watch as many

128

00:06:07,659 --> 00:06:03,560

documentaries as I can squeeze into my

129

00:06:10,330 --> 00:06:07,669

vision and it got me to starting to

130

00:06:11,950 --> 00:06:10,340

research things so he would occasionally

131

00:06:13,750 --> 00:06:11,960

come with a question that I didn't have

132

00:06:16,000 --> 00:06:13,760

a satisfactory answer for so he'd go

133

00:06:18,490 --> 00:06:16,010

away to get more questions I'd go away

134

00:06:21,370 --> 00:06:18,500

and research the answer to his question

135

00:06:23,770 --> 00:06:21,380

and this probably happened eight or nine

136

00:06:25,240 --> 00:06:23,780

times over the space of about six months

137

00:06:26,490 --> 00:06:25,250

a time you would have become quite good

138

00:06:29,280 --> 00:06:26,500

friends five universities need

139

00:06:32,640 --> 00:06:29,290

well I guess it was a begrudging respect

140

00:06:36,060 --> 00:06:32,650

between the two of us and eventually one

141

00:06:38,250 --> 00:06:36,070

day he showed up with a woman who must

142

00:06:40,590 --> 00:06:38,260

have been in her mid 90s and she was

143

00:06:42,600 --> 00:06:40,600

they bring these people around I assumed

144

00:06:44,730 --> 00:06:42,610

to gain sympathy from the people whose

145

00:06:47,490 --> 00:06:44,740

doors they're knocking on and she was

146

00:06:50,070 --> 00:06:47,500

blind and she was shaking and she was in

147

00:06:52,640 --> 00:06:50,080

bad shape and I just thought for men

148

00:06:56,250 --> 00:06:52,650

trying to sell religion it was the most

149

00:06:58,980 --> 00:06:56,260

immoral horrific thing to do and I just

150

00:07:00,570 --> 00:06:58,990

lost my rag at him and I told him at

151
00:07:02,520 --> 00:07:00,580
that point when I thought of him and he

152
00:07:05,100 --> 00:07:02,530
never came back again but I mean by that

153
00:07:07,710 --> 00:07:05,110
point I was already really into it so I

154
00:07:09,690 --> 00:07:07,720
died I sit and I wait for people to

155
00:07:11,940 --> 00:07:09,700
knock on my door I mean thankfully I I

156
00:07:13,620 --> 00:07:11,950
through my work for myself so I work

157
00:07:16,320 --> 00:07:13,630
from home so I'm there when they knocked

158
00:07:18,890 --> 00:07:16,330
on my door god I enjoy it I think he's

159
00:07:22,380 --> 00:07:18,900
not home I run and hide under the bed

160
00:07:23,880 --> 00:07:22,390
you're not one for confrontation so what

161
00:07:25,470 --> 00:07:23,890
is your approach what what led you to

162
00:07:29,460 --> 00:07:25,480
the woods his pal did you have a similar

163
00:07:32,670 --> 00:07:29,470

sort of up um no definitely not my dad

164

00:07:34,920 --> 00:07:32,680

has always been really into science my

165

00:07:37,200 --> 00:07:34,930

mom not so much she works at a stoner

166

00:07:40,890 --> 00:07:37,210

school and she's into a lot of hippie

167

00:07:42,900 --> 00:07:40,900

kind of things and new age exactly so

168

00:07:44,550 --> 00:07:42,910

every time my three brothers and I go

169

00:07:46,469 --> 00:07:44,560

home and have dinner we all start

170

00:07:50,850 --> 00:07:46,479

pulling apart the things that she says

171

00:07:52,290 --> 00:07:50,860

which is awful did you go to the Steiner

172

00:07:54,930 --> 00:07:52,300

school yourself I'm a little familiar

173

00:07:56,790 --> 00:07:54,940

with world off Stan as some methodology

174

00:08:01,890 --> 00:07:56,800

yeah it definitely does and I think that

175

00:08:03,630 --> 00:08:01,900

her school is not too insane now I went

176

00:08:06,150 --> 00:08:03,640

to a normal school my parents were

177

00:08:08,040 --> 00:08:06,160

always pseudo-religious kind of wanted

178

00:08:10,469 --> 00:08:08,050

me to go to Sunday school but I wouldn't

179

00:08:12,630 --> 00:08:10,479

leave the house without mom so I didn't

180

00:08:14,670 --> 00:08:12,640

yeah so I was just kind of brought up

181

00:08:17,190 --> 00:08:14,680

with you know his religion you can take

182

00:08:19,710 --> 00:08:17,200

it or leave it and three of my brothers

183

00:08:24,450 --> 00:08:19,720

and I all turned out quite skeptical and

184

00:08:27,210 --> 00:08:24,460

atheist so why choose the art direction

185

00:08:29,250 --> 00:08:27,220

rather than science since obviously had

186

00:08:31,650 --> 00:08:29,260

a bit of an impact upon your lives you

187

00:08:34,520 --> 00:08:31,660

mentioned you yourself had a career in

188

00:08:38,089 --> 00:08:34,530

architecture for a while yeah i think

189

00:08:39,829 --> 00:08:38,099

the way my brain is wired

190

00:08:42,230 --> 00:08:39,839

I have a natural inclination to do

191

00:08:44,780 --> 00:08:42,240

things that are 5050 technical and

192

00:08:47,090 --> 00:08:44,790

artistic and I think both Ricky and I

193

00:08:49,639 --> 00:08:47,100

having a technical inclination and a

194

00:08:53,780 --> 00:08:49,649

scientific inclination both of our jobs

195

00:08:55,809 --> 00:08:53,790

are artistic but at the same time it's

196

00:09:00,499 --> 00:08:55,819

not it's not fine art but our days are

197

00:09:01,550 --> 00:09:00,509

filled with here is a problem here's you

198

00:09:03,110 --> 00:09:01,560

know and then you need to come up with a

199

00:09:05,120 --> 00:09:03,120

bunch of technical solutions to it and

200

00:09:07,400 --> 00:09:05,130

then those solutions then need to be

201
00:09:11,629 --> 00:09:07,410
artistic solutions as well so it's a

202
00:09:14,210 --> 00:09:11,639
very 5050 field we have an arts

203
00:09:15,920 --> 00:09:14,220
application but we have a sort of you

204
00:09:18,350 --> 00:09:15,930
know problem-solving approach and I

205
00:09:21,199 --> 00:09:18,360
think that's it's something that fits

206
00:09:25,879 --> 00:09:21,209
very well with the skeptical thing in

207
00:09:27,439 --> 00:09:25,889
excellent answer Thank You Ricky there's

208
00:09:28,850 --> 00:09:27,449
quite a bit of psychology involved as

209
00:09:32,059 --> 00:09:28,860
well and that was one of the things that

210
00:09:34,249 --> 00:09:32,069
came to mind when I was watching the two

211
00:09:35,720 --> 00:09:34,259
of you talking about your work when we

212
00:09:38,120 --> 00:09:35,730
were doing the skeptics own photo shoot

213
00:09:39,379 --> 00:09:38,130

which is where in fact we met how about

214

00:09:40,850 --> 00:09:39,389

we talk about the skeptics own photo

215

00:09:41,840 --> 00:09:40,860

shoot first and then I'll start asking

216

00:09:46,460 --> 00:09:41,850

you about the psychology behind

217

00:09:48,319 --> 00:09:46,470

marketing how did all of us meet I can

218

00:09:51,889 --> 00:09:48,329

answer that in one very dorky phrase

219

00:09:54,319 --> 00:09:51,899

weird kind of fan kids really Richard we

220

00:09:55,910 --> 00:09:54,329

have fans it finally worked it's not

221

00:09:58,009 --> 00:09:55,920

just me downloading the podcast half a

222

00:09:59,720 --> 00:09:58,019

dozen times in pumping up my school on

223

00:10:04,309 --> 00:09:59,730

iTunes there you go I've got evidence

224

00:10:06,050 --> 00:10:04,319

finally at some point we discovered that

225

00:10:08,030 --> 00:10:06,060

we can use the skills that we've got to

226

00:10:09,230 --> 00:10:08,040

meet people that we want to meet and so

227

00:10:11,480 --> 00:10:09,240

we've been doing it ever since hey

228

00:10:12,829 --> 00:10:11,490

that's been my goal ever since the

229

00:10:15,559 --> 00:10:12,839

beginning i'm going to tell you yeah

230

00:10:17,929 --> 00:10:15,569

yeah I think I think we're wife and kids

231

00:10:20,240 --> 00:10:17,939

we really desperately we're very

232

00:10:22,610 --> 00:10:20,250

passionate about skepticism where I

233

00:10:25,040 --> 00:10:22,620

guess that's inspired by how

234

00:10:27,259 --> 00:10:25,050

passionately angry we get when the

235

00:10:29,749 --> 00:10:27,269

pseudoscience takes over and people go

236

00:10:32,749 --> 00:10:29,759

down that path and but we just really

237

00:10:35,420 --> 00:10:32,759

wanted to be involved and we heard about

238

00:10:37,610 --> 00:10:35,430

you know skeptics on guys coming over

239

00:10:40,519 --> 00:10:37,620

and we just thought that we've got to do

240

00:10:42,769 --> 00:10:40,529

this and I mean I'm always a sucker for

241

00:10:46,160 --> 00:10:42,779

doing a hilarious theme to shoot you

242

00:10:48,440 --> 00:10:46,170

know thankfully my work I get paid for

243

00:10:50,210 --> 00:10:48,450

one thing enough to go in

244

00:10:51,830 --> 00:10:50,220

to work at the same time where I'm not

245

00:10:54,350 --> 00:10:51,840

getting paid as long as I'm producing

246

00:10:56,870 --> 00:10:54,360

photos I don't really care and we just

247

00:10:59,450 --> 00:10:56,880

thought we could have a bit of fun not

248

00:11:02,180 --> 00:10:59,460

take it all too seriously come up with

249

00:11:03,350 --> 00:11:02,190

some ideas and it was a really great day

250

00:11:04,760 --> 00:11:03,360

and I think the photos turned out pretty

251

00:11:06,980 --> 00:11:04,770

good there are still a few that I

252

00:11:09,650 --> 00:11:06,990

haven't done the post-production on so I

253

00:11:11,930 --> 00:11:09,660

think he'll knock them out in the

254

00:11:13,370 --> 00:11:11,940

not-too-distant future really I'm ready

255

00:11:16,100 --> 00:11:13,380

for the next convention happy I'd

256

00:11:18,950 --> 00:11:16,110

absolutely i can't wait we're busting to

257

00:11:21,590 --> 00:11:18,960

go so just for those people who might

258

00:11:23,600 --> 00:11:21,600

not have seen these photos they are on

259

00:11:25,100 --> 00:11:23,610

facebook we did have links to them on

260

00:11:26,930 --> 00:11:25,110

the skeptics own website and there's

261

00:11:28,280 --> 00:11:26,940

even a behind-the-scenes video with me

262

00:11:30,140 --> 00:11:28,290

running around like a nutter with my

263

00:11:32,030 --> 00:11:30,150

camera getting Richard playing George

264

00:11:35,090 --> 00:11:32,040

rub songs all the way through the photo

265

00:11:36,710 --> 00:11:35,100

shoot what was involved um well the

266

00:11:38,540 --> 00:11:36,720

ideas that we settled on we had quite a

267

00:11:41,600 --> 00:11:38,550

lot of ideas but i think it was really

268

00:11:42,710 --> 00:11:41,610

constrained by the time we had with them

269

00:11:46,340 --> 00:11:42,720

because they were you know flying over

270

00:11:48,770 --> 00:11:46,350

from sydney and stuff so ill as well

271

00:11:51,290 --> 00:11:48,780

which terrible make him do all kinds of

272

00:11:53,720 --> 00:11:51,300

things yeah we make me to do all kinds

273

00:11:56,360 --> 00:11:53,730

don't feel guilty he does even sick

274

00:11:58,730 --> 00:11:56,370

don't you he was a trooper so I mean

275

00:12:03,350 --> 00:11:58,740

Richard's thing he loves bending his

276

00:12:07,190 --> 00:12:03,360

spoons and I enjoy the uri geller saga

277

00:12:09,230 --> 00:12:07,200

the legacy let's call it so we got a

278

00:12:12,140 --> 00:12:09,240

picture of I guess Richard being

279

00:12:14,150 --> 00:12:12,150

frustrated trying to eat soap and every

280

00:12:16,310 --> 00:12:14,160

time he picks up a spoon and takes a

281

00:12:18,530 --> 00:12:16,320

scoop of soup he spills it down his

282

00:12:22,220 --> 00:12:18,540

front because it magically bends in his

283

00:12:25,870 --> 00:12:22,230

are in his magical magical hands and uh

284

00:12:28,850 --> 00:12:25,880

we got dr. Richie in a tarot reading

285

00:12:31,190 --> 00:12:28,860

situation holding up a dollar sign card

286

00:12:34,010 --> 00:12:31,200

which i thought was looking into a

287

00:12:36,050 --> 00:12:34,020

crystal ball and staring deep into your

288

00:12:38,950 --> 00:12:36,060

soul and do you remember the name that

289

00:12:42,590 --> 00:12:38,960

we ended up giving her madam nom nom yes

290

00:12:44,600 --> 00:12:42,600

absolutely inspired I thought we've got

291

00:12:46,760 --> 00:12:44,610

some great ear candle ones which will

292

00:12:50,450 --> 00:12:46,770

come up soon and we've also got a

293

00:12:53,390 --> 00:12:50,460

levitation one with a cactus featuring

294

00:12:54,950 --> 00:12:53,400

prominently so yeah we're you know

295

00:12:58,130 --> 00:12:54,960

taking on the basic sort of

296

00:12:59,990 --> 00:12:58,140

stereotypical you know pseudo-sciences

297

00:13:01,250 --> 00:13:00,000

ear candles is always you know a

298

00:13:03,410 --> 00:13:01,260

favorite something I'd

299

00:13:07,250 --> 00:13:03,420

up to people when they ask water skeptic

300

00:13:10,460 --> 00:13:07,260

is and the levitation is a sight gag

301

00:13:12,200 --> 00:13:10,470

really you can't really go wrong with

302

00:13:15,290 --> 00:13:12,210

the psyche in Kenya no just keep it

303

00:13:17,600 --> 00:13:15,300

simple stupid really so back on the

304

00:13:19,610 --> 00:13:17,610

psychology behind it we end up

305

00:13:22,460 --> 00:13:19,620

challenging these things through the

306

00:13:23,930 --> 00:13:22,470

photos that you've taken what are some

307

00:13:26,210 --> 00:13:23,940

of the things that you think should be

308

00:13:28,820 --> 00:13:26,220

more challenged out there particularly

309

00:13:29,810 --> 00:13:28,830

mark about everything yeah what are some

310

00:13:31,670 --> 00:13:29,820

of the things that you have come across

311

00:13:33,470 --> 00:13:31,680

perhaps in your careers that have made

312

00:13:35,270 --> 00:13:33,480

you stop and think I'm part of an

313

00:13:36,830 --> 00:13:35,280

industry that that is helping promote

314

00:13:44,450 --> 00:13:36,840

these sort of thing I mean you mentioned

315

00:13:47,450 --> 00:13:44,460

anger already oh I do get angry but I I

316

00:13:49,910 --> 00:13:47,460

guess I get as best to explain it i get

317

00:13:51,950 --> 00:13:49,920

i get frustrated that they're there are

318

00:13:53,840 --> 00:13:51,960

people in this world who who don't think

319

00:13:56,420 --> 00:13:53,850

critically who accept everything on face

320

00:13:58,970 --> 00:13:56,430

value and I guess you wouldn't you

321

00:14:01,760 --> 00:13:58,980

wouldn't really blame it on advertising

322

00:14:03,530 --> 00:14:01,770

as such you blame it on these products

323

00:14:04,940 --> 00:14:03,540

are designed from the get-go by the

324

00:14:07,460 --> 00:14:04,950

people who are making the money out of

325

00:14:09,890 --> 00:14:07,470

them to take advantage of people who

326

00:14:12,500 --> 00:14:09,900

don't who simply don't question it and I

327

00:14:14,240 --> 00:14:12,510

find that if you bring up you know if

328

00:14:17,660 --> 00:14:14,250

you just ask people what they understand

329

00:14:19,880 --> 00:14:17,670

about how things work and confront them

330

00:14:22,100 --> 00:14:19,890

with that not not give them any facts

331

00:14:23,600 --> 00:14:22,110

just ask them what they know and whether

332

00:14:25,610 --> 00:14:23,610

they're happy with what they know about

333

00:14:28,400 --> 00:14:25,620

that product informing them enough to

334

00:14:30,050 --> 00:14:28,410

spend their hard-earned dollars then

335

00:14:32,450 --> 00:14:30,060

generally they actually find their own

336

00:14:35,690 --> 00:14:32,460

way to disprove in whatever they're

337

00:14:37,490 --> 00:14:35,700

being sold but I just find it so

338

00:14:40,190 --> 00:14:37,500

frustrating that there are these these

339

00:14:44,060 --> 00:14:40,200

leeches out there and I'm sure they must

340

00:14:46,160 --> 00:14:44,070

know that what they're selling is you

341

00:14:49,130 --> 00:14:46,170

know a snake oil but it's done in my

342

00:14:51,770 --> 00:14:49,140

current one is um rapid detox you know

343

00:14:53,660 --> 00:14:51,780

complete and there's no there's

344

00:14:57,220 --> 00:14:53,670

no two ways about it there's no there's

345

00:15:00,950 --> 00:14:57,230

no basis to understand it at all yeah

346

00:15:02,540 --> 00:15:00,960

but I don't think I personally have

347

00:15:05,270 --> 00:15:02,550

never really come across something that

348

00:15:07,250 --> 00:15:05,280

I've had a problem with selling as such

349

00:15:09,080 --> 00:15:07,260

I know people who have I know it's an

350

00:15:11,240 --> 00:15:09,090

industry where depending on who your

351
00:15:13,370 --> 00:15:11,250
boss is of course you don't have to work

352
00:15:14,750 --> 00:15:13,380
on things if you don't want to but

353
00:15:18,050 --> 00:15:14,760
there's always going to be someone who

354
00:15:19,880 --> 00:15:18,060
well and I think people public generally

355
00:15:21,470 --> 00:15:19,890
approach advertising with a little bit

356
00:15:23,420 --> 00:15:21,480
of skepticism even if they don't realize

357
00:15:25,220 --> 00:15:23,430
they're doing it we can also have cases

358
00:15:27,590 --> 00:15:25,230
and we discussed this briefly earlier

359
00:15:29,570 --> 00:15:27,600
before the interview where due to

360
00:15:31,130 --> 00:15:29,580
marketing a label might be applied to

361
00:15:33,710 --> 00:15:31,140
something which appeals to popular

362
00:15:35,930 --> 00:15:33,720
belief say New Age practices and yet the

363
00:15:38,420 --> 00:15:35,940

product itself is fairly benign well I

364

00:15:41,380 --> 00:15:38,430

think the best example of that is feng

365

00:15:44,540 --> 00:15:41,390

shui and obviously it's a crazy

366

00:15:46,790 --> 00:15:44,550

spiritual sect type pseudoscience but

367

00:15:49,400 --> 00:15:46,800

from an architectural point of view

368

00:15:54,610 --> 00:15:49,410

which is my background it's fantastic

369

00:15:59,000 --> 00:15:54,620

because if you remove the Spiritualist

370

00:16:02,170 --> 00:15:59,010

hoo-ha element of it it's just a basic

371

00:16:04,070 --> 00:16:02,180

set of really good common-sense rules

372

00:16:07,130 --> 00:16:04,080

for example I'll give you a couple of

373

00:16:09,380 --> 00:16:07,140

examples if you there's a rule that says

374

00:16:11,240 --> 00:16:09,390

don't be able to see out the back door

375

00:16:13,250 --> 00:16:11,250

of your house as soon as you walk in the

376

00:16:15,380 --> 00:16:13,260

front door of your house because the

377

00:16:16,490 --> 00:16:15,390

spiritual energy will drain out you

378

00:16:18,290 --> 00:16:16,500

won't be able to contain it but

379

00:16:20,930 --> 00:16:18,300

basically it just makes your house feel

380

00:16:23,060 --> 00:16:20,940

small so if you follow that rule you

381

00:16:24,680 --> 00:16:23,070

have a more interesting space in which

382

00:16:26,810 --> 00:16:24,690

to live the the other one and my

383

00:16:30,050 --> 00:16:26,820

favorite one is when you're designing a

384

00:16:32,510 --> 00:16:30,060

shop which I have done and I took this

385

00:16:34,880 --> 00:16:32,520

into account the first thing that you

386

00:16:36,770 --> 00:16:34,890

see and understand when you walk into

387

00:16:39,230 --> 00:16:36,780

that shop is the point at which you pay

388

00:16:41,000 --> 00:16:39,240

because if you walk into a shop and you

389

00:16:42,410 --> 00:16:41,010

don't cry not what's going on and you

390

00:16:43,310 --> 00:16:42,420

don't know how it works and you don't

391

00:16:44,750 --> 00:16:43,320

know where you're going to pay at the

392

00:16:46,250 --> 00:16:44,760

end you get confused and you get

393

00:16:48,200 --> 00:16:46,260

stressed and you're less likely to buy

394

00:16:49,670 --> 00:16:48,210

something I mean I know I've been in

395

00:16:50,870 --> 00:16:49,680

shops where I haven't quite known how

396

00:16:52,430 --> 00:16:50,880

it's worked and I've ended up just

397

00:16:54,830 --> 00:16:52,440

walking out not buying anything whereas

398

00:16:56,300 --> 00:16:54,840

if I understood straight away where I

399

00:16:58,280 --> 00:16:56,310

have to pay when i'm leaving i'm

400

00:17:00,200 --> 00:16:58,290

comfortable in my shopping experience

401
00:17:03,490 --> 00:17:00,210
and it's just a really basic rule

402
00:17:06,829 --> 00:17:03,500
they've just tacked a lot of bizarre

403
00:17:08,810 --> 00:17:06,839
pseudoscience and spiritualism onto it

404
00:17:11,960 --> 00:17:08,820
it's just a really good set of sensible

405
00:17:13,490 --> 00:17:11,970
ideas but if you just call them sensible

406
00:17:14,540 --> 00:17:13,500
ideas no one will be interested because

407
00:17:16,189 --> 00:17:14,550
everybody thinks they're already

408
00:17:18,410 --> 00:17:16,199
sensible so are their standards and

409
00:17:19,939 --> 00:17:18,420
ethics which do apply to these things

410
00:17:22,670 --> 00:17:19,949
are there certain points that a

411
00:17:25,579 --> 00:17:22,680
advertising agency will say no we cannot

412
00:17:26,900 --> 00:17:25,589
do this of course yeah absolutely I

413
00:17:28,039 --> 00:17:26,910

think it depends on the different

414

00:17:29,899 --> 00:17:28,049

agencies

415

00:17:31,609 --> 00:17:29,909

but there are standards which everybody

416

00:17:34,039 --> 00:17:31,619

has to adhere to of course especially

417

00:17:36,649 --> 00:17:34,049

here in Perth I don't really see many

418

00:17:38,690 --> 00:17:36,659

problems at that nature yeah all right

419

00:17:42,710 --> 00:17:38,700

there are legal implications as well I

420

00:17:43,850 --> 00:17:42,720

think someone was and I have to do a bit

421

00:17:46,970 --> 00:17:43,860

more research about this because I don't

422

00:17:50,239 --> 00:17:46,980

know how true it is but I'm the the

423

00:17:53,239 --> 00:17:50,249

detox type companies are actually being

424

00:17:55,700 --> 00:17:53,249

prosecuted and there are actually being

425

00:17:58,129 --> 00:17:55,710

prosecutions as far as I've heard but

426

00:18:00,259 --> 00:17:58,139

they make so much money that you

427

00:18:02,450 --> 00:18:00,269

basically take that into account and

428

00:18:04,249 --> 00:18:02,460

they still make money despite the

429

00:18:08,119 --> 00:18:04,259

prosecutions yeah that was that was very

430

00:18:11,379 --> 00:18:08,129

allegedly you know where some of these

431

00:18:13,129 --> 00:18:11,389

companies can make so much money that

432

00:18:14,599 --> 00:18:13,139

even if they get a

433

00:18:16,970 --> 00:18:14,609

hundred-thousand-dollar fine slapped on

434

00:18:19,009 --> 00:18:16,980

them they're still it's in their budget

435

00:18:20,389 --> 00:18:19,019

go from the beginning they just work it

436

00:18:23,749 --> 00:18:20,399

into their budgeting and into their

437

00:18:25,820 --> 00:18:23,759

accounting it's it's it's it's the

438

00:18:27,979 --> 00:18:25,830

companies that that are coming up with

439

00:18:31,279 --> 00:18:27,989

these products that are really the moral

440

00:18:33,560 --> 00:18:31,289

less ones hmm and it's in the wording as

441

00:18:36,349 --> 00:18:33,570

well we ought to use the word allegedly

442

00:18:38,979 --> 00:18:36,359

for example so have you seen the use of

443

00:18:41,659 --> 00:18:38,989

weasel words in in advertising

444

00:18:43,519 --> 00:18:41,669

absolutely i mean but i think i think

445

00:18:44,960 --> 00:18:43,529

there is there is a certain what Ricky

446

00:18:47,330 --> 00:18:44,970

said before there is a certain amount of

447

00:18:48,950 --> 00:18:47,340

natural skepticism that people have

448

00:18:51,710 --> 00:18:48,960

towards advertising and I think that's a

449

00:18:53,599 --> 00:18:51,720

really really healthy thing I think you

450

00:18:55,909 --> 00:18:53,609

know there's there's been a where that

451
00:18:57,619 --> 00:18:55,919
whether it's been based on the atrocious

452
00:19:00,019 --> 00:18:57,629
programs like a Current Affair and all

453
00:19:03,560 --> 00:19:00,029
that sort of thing which which allegedly

454
00:19:05,180 --> 00:19:03,570
allegedly you know whether it's based on

455
00:19:08,060 --> 00:19:05,190
that sort of thing or not there is a

456
00:19:11,359 --> 00:19:08,070
natural level of skepticism in there out

457
00:19:14,450 --> 00:19:11,369
there and I do think most people in the

458
00:19:16,669 --> 00:19:14,460
ad industry are generally just given a

459
00:19:18,080 --> 00:19:16,679
brief and do their best to sell it

460
00:19:21,590 --> 00:19:18,090
there's not a lot of malice there is

461
00:19:23,869 --> 00:19:21,600
there is a small group of I guess highly

462
00:19:26,479 --> 00:19:23,879
paid people who you know which they'll

463
00:19:28,369 --> 00:19:26,489

be in any industry most of these people

464

00:19:30,049 --> 00:19:28,379

do their own advertising speaking of

465

00:19:31,909 --> 00:19:30,059

advertising how could scepticism better

466

00:19:33,440 --> 00:19:31,919

advertise itself do you two ever come up

467

00:19:36,080 --> 00:19:33,450

with ideas that you think to yourself oh

468

00:19:38,119 --> 00:19:36,090

if they could try this or maybe use this

469

00:19:40,249 --> 00:19:38,129

particular slogan or if we had the

470

00:19:40,920 --> 00:19:40,259

opportunity and the budget we could do

471

00:19:46,260 --> 00:19:40,930

at

472

00:19:47,580 --> 00:19:46,270

one um and I guess from a personal

473

00:19:51,270 --> 00:19:47,590

background it's like trying to sell

474

00:19:54,510 --> 00:19:51,280

atheism it you're trying to sell a point

475

00:19:56,790 --> 00:19:54,520

of view essentially unless a way of life

476

00:19:58,980 --> 00:19:56,800

and unless you have a product or a

477

00:20:01,200 --> 00:19:58,990

church churches are trying to get bums

478

00:20:02,820 --> 00:20:01,210

on seats you know and we're not trying

479

00:20:05,130 --> 00:20:02,830

to get bums on seats we're not got

480

00:20:09,410 --> 00:20:05,140

anything particular to sell we're trying

481

00:20:11,820 --> 00:20:09,420

to tell people to think critically about

482

00:20:16,220 --> 00:20:11,830

everything that's in front of them every

483

00:20:18,180 --> 00:20:16,230

day I think that where I say where

484

00:20:20,220 --> 00:20:18,190

that's the interesting thing is there a

485

00:20:22,560 --> 00:20:20,230

skeptical community at they I mean Ricky

486

00:20:25,170 --> 00:20:22,570

we've got Tom sitting here with a shirt

487

00:20:26,490 --> 00:20:25,180

that Ricky has designed the skeptics

488

00:20:28,680 --> 00:20:26,500

guide to the universe shirt so if people

489

00:20:30,090 --> 00:20:28,690

have bought that shirt we're sitting

490

00:20:34,200 --> 00:20:30,100

here with the woman who has designed it

491

00:20:36,960 --> 00:20:34,210

as I said before I think I guess SGU a

492

00:20:38,610 --> 00:20:36,970

great example you know I was reading

493

00:20:41,540 --> 00:20:38,620

today that they have sixty thousand

494

00:20:44,100 --> 00:20:41,550

subscribers for every episode which is

495

00:20:45,810 --> 00:20:44,110

extraordinary I mean in the context of

496

00:20:48,600 --> 00:20:45,820

six billion people in the world okay

497

00:20:53,550 --> 00:20:48,610

it's not a lot but it's 60,000 people

498

00:20:55,260 --> 00:20:53,560

and what you need in I guess a movement

499

00:21:00,380 --> 00:20:55,270

like skepticism is not necessarily a

500

00:21:05,030 --> 00:21:00,390

campaign it it's it's grassroots it's

501
00:21:09,480 --> 00:21:05,040
viral and it's media coverage if you

502
00:21:12,960 --> 00:21:09,490
make it the done thing to be skeptical

503
00:21:15,600 --> 00:21:12,970
to have a point of view that is critical

504
00:21:18,750 --> 00:21:15,610
not pointlessly critical but logically

505
00:21:20,490 --> 00:21:18,760
critical of everything that is then put

506
00:21:24,120 --> 00:21:20,500
in in front of them which is it is what

507
00:21:26,190 --> 00:21:24,130
the Daily News should be but isn't then

508
00:21:27,960 --> 00:21:26,200
you know it becomes part of the way we

509
00:21:29,460 --> 00:21:27,970
work and I think if they're in these

510
00:21:31,620 --> 00:21:29,470
things they're always could be a you

511
00:21:33,060 --> 00:21:31,630
reeka moment you know and I think that

512
00:21:35,670 --> 00:21:33,070
you know there'll be a phrase that will

513
00:21:38,250 --> 00:21:35,680

come up one day and and I think to bring

514

00:21:41,040 --> 00:21:38,260

skepticism in a positive direction you

515

00:21:42,900 --> 00:21:41,050

know using words that describe it in a

516

00:21:44,730 --> 00:21:42,910

positive way are the example of we were

517

00:21:46,650 --> 00:21:44,740

speaking of earlier is alternative

518

00:21:49,230 --> 00:21:46,660

medicine everybody wants an alternative

519

00:21:51,270 --> 00:21:49,240

and everybody wants medicine so people

520

00:21:53,730 --> 00:21:51,280

don't question what that actually means

521

00:21:56,340 --> 00:21:53,740

because it's such a Weasley phrase

522

00:21:58,860 --> 00:21:56,350

you know and but it's brilliant we can

523

00:22:02,010 --> 00:21:58,870

take so many lessons from the

524

00:22:06,240 --> 00:22:02,020

pseudoscience industries from the crazy

525

00:22:08,730 --> 00:22:06,250

religious side of things of just looking

526
00:22:11,280 --> 00:22:08,740
at them and understanding how they got

527
00:22:13,620 --> 00:22:11,290
so popular how they got so big why

528
00:22:16,169 --> 00:22:13,630
people initially become interested in

529
00:22:19,740 --> 00:22:16,179
them when they're full of falsehood and

530
00:22:21,930 --> 00:22:19,750
stupidity I think alternative medicine

531
00:22:24,240 --> 00:22:21,940
is just one of the cleverest phrases

532
00:22:28,440 --> 00:22:24,250
there is a route unfortunately it's on

533
00:22:31,980 --> 00:22:28,450
the wrong side but you know if we can

534
00:22:34,500 --> 00:22:31,990
all keep our ears pricked keep thinking

535
00:22:36,720 --> 00:22:34,510
about it then those phrases will come to

536
00:22:39,030 --> 00:22:36,730
us as well and we can put them out there

537
00:22:40,620 --> 00:22:39,040
in the media when we have the chance to

538
00:22:42,240 --> 00:22:40,630

use them out there in the media just

539

00:22:46,049 --> 00:22:42,250

like alternative medicine use that

540

00:22:48,690 --> 00:22:46,059

phrase at every given opportunity then

541

00:22:51,360 --> 00:22:48,700

yeah there will be a swing towards logic

542

00:22:55,169 --> 00:22:51,370

then the pseudoscience industry uses

543

00:22:58,230 --> 00:22:55,179

celebrity really well um someone like

544

00:23:01,890 --> 00:22:58,240

Jenny McCarthy Oh Jim Carrey you know

545

00:23:03,600 --> 00:23:01,900

not get it not getting paid for these

546

00:23:06,930 --> 00:23:03,610

things but they believe it and they go

547

00:23:09,030 --> 00:23:06,940

out and dispels it the public um I think

548

00:23:11,460 --> 00:23:09,040

we could really get some people on board

549

00:23:13,950 --> 00:23:11,470

who were really charismatic and believe

550

00:23:17,430 --> 00:23:13,960

our point of view to get out there a lot

551

00:23:19,320 --> 00:23:17,440

more like was it um Amanda Peet yes yes

552

00:23:20,850 --> 00:23:19,330

the actress Amanda Peet who was speaking

553

00:23:22,380 --> 00:23:20,860

out against Jenny McCarthy we have

554

00:23:24,660 --> 00:23:22,390

people like the Mythbusters as well if

555

00:23:26,400 --> 00:23:24,670

you don't have many great job and I

556

00:23:28,350 --> 00:23:26,410

think more people like that need to feel

557

00:23:29,760 --> 00:23:28,360

like they're able to step up and say

558

00:23:30,960 --> 00:23:29,770

what they believe in especially

559

00:23:33,690 --> 00:23:30,970

somewhere in America and not be afraid

560

00:23:35,700 --> 00:23:33,700

of it yeah I mean Ricky laughs before

561

00:23:37,799 --> 00:23:35,710

because I pretended to vomit when Jenny

562

00:23:41,100 --> 00:23:37,809

McCarthy's name was mentioned and I

563

00:23:43,820 --> 00:23:41,110

think you know allegedly I think that

564

00:23:46,110 --> 00:23:43,830

you know skepticism has got some great

565

00:23:49,320 --> 00:23:46,120

figureheads but they're figureheads that

566

00:23:51,750 --> 00:23:49,330

turn certain people off I mean I adore

567

00:23:53,400 --> 00:23:51,760

Richard Dawkins but there's a certain

568

00:23:55,500 --> 00:23:53,410

you know there are large parts of the

569

00:23:57,600 --> 00:23:55,510

community who would probably find him

570

00:23:59,160 --> 00:23:57,610

very confronting and just would

571

00:24:01,680 --> 00:23:59,170

automatically not listen to anything he

572

00:24:04,290 --> 00:24:01,690

said yeah and the question of the day is

573

00:24:05,940 --> 00:24:04,300

out there were all the theists who want

574

00:24:06,770 --> 00:24:05,950

to be able to support critical thinking

575

00:24:09,380 --> 00:24:06,780

and

576
00:24:10,730 --> 00:24:09,390
yet will draw a line according to where

577
00:24:12,800 --> 00:24:10,740
their religious beliefs will be stepped

578
00:24:15,410 --> 00:24:12,810
on but don't want people to be defaulted

579
00:24:17,600 --> 00:24:15,420
by paranormalists or pseudo scientific

580
00:24:19,130 --> 00:24:17,610
claims and I would never speak against

581
00:24:20,960 --> 00:24:19,140
what Richard is doing because I think

582
00:24:25,190 --> 00:24:20,970
he's a genius I just think he's he's

583
00:24:29,090 --> 00:24:25,200
wonderful but as I as a figurehead he's

584
00:24:31,790 --> 00:24:29,100
not necessarily the most appealing type

585
00:24:34,070 --> 00:24:31,800
you know person and I think that I guess

586
00:24:36,830 --> 00:24:34,080
what it is especially with the freaking

587
00:24:40,160 --> 00:24:36,840
Jenny McCarthy's idiots like that you

588
00:24:41,960 --> 00:24:40,170

you get it's easy for them to get

589

00:24:44,090 --> 00:24:41,970

passionate it's easy to get passionate

590

00:24:46,310 --> 00:24:44,100

about because you can

591

00:24:48,170 --> 00:24:46,320

essentially back it up with whatever you

592

00:24:51,440 --> 00:24:48,180

want because it's not based on fact

593

00:24:53,870 --> 00:24:51,450

anyway emotion it's all emotion doing it

594

00:24:56,480 --> 00:24:53,880

for the kids and there's there's a an

595

00:25:00,680 --> 00:24:56,490

intentional in many cases disconnect

596

00:25:04,370 --> 00:25:00,690

between passion and science and I think

597

00:25:06,760 --> 00:25:04,380

people try to step back and remove

598

00:25:08,990 --> 00:25:06,770

passion from science because science

599

00:25:13,580 --> 00:25:09,000

essentially in its purest form can't be

600

00:25:14,930 --> 00:25:13,590

passionate it needs to be pure but I

601
00:25:16,310 --> 00:25:14,940
think and the Mythbusters are great

602
00:25:18,530 --> 00:25:16,320
because they get passionate about

603
00:25:21,500 --> 00:25:18,540
science and I think that that divide

604
00:25:24,020 --> 00:25:21,510
needs to happen where the scientists can

605
00:25:27,140 --> 00:25:24,030
stay dispassionate in the activity of

606
00:25:30,290 --> 00:25:27,150
science but we need to be I mean I get

607
00:25:32,900 --> 00:25:30,300
very excited about listening to science

608
00:25:34,640 --> 00:25:32,910
but I I'm not a scientist you know and

609
00:25:36,890 --> 00:25:34,650
and i think that's that's one of the

610
00:25:40,300 --> 00:25:36,900
reasons these celebrities do so well on

611
00:25:42,650 --> 00:25:40,310
the on the pseudoscience side of things

612
00:25:44,330 --> 00:25:42,660
you know I think something I was

613
00:25:46,520 --> 00:25:44,340

thinking earlier today was you know

614

00:25:50,210 --> 00:25:46,530

incorporating words into skepticism that

615

00:25:53,960 --> 00:25:50,220

are liberating and forward moving you

616

00:25:56,270 --> 00:25:53,970

know like truth and independence and all

617

00:25:57,500 --> 00:25:56,280

those sort of buzzwords that yeah there

618

00:25:59,540 --> 00:25:57,510

are buzz words but that's essentially

619

00:26:01,130 --> 00:25:59,550

what we do speaking of buzzwords tam

620

00:26:05,600 --> 00:26:01,140

Australia is going to become a buzzword

621

00:26:06,950 --> 00:26:05,610

aam is root root so what sort of things

622

00:26:08,990 --> 00:26:06,960

are you hoping to get passionate about

623

00:26:11,030 --> 00:26:09,000

in terms of town Australia we know that

624

00:26:14,390 --> 00:26:11,040

you two will be going got any big plans

625

00:26:18,300 --> 00:26:14,400

why should it oh I'll just drink with

626

00:26:21,180 --> 00:26:18,310

whoever I can really I mean I'd love to

627

00:26:23,130 --> 00:26:21,190

set up a photoshoot you know you hire

628

00:26:24,480 --> 00:26:23,140

out a studio over there get some themes

629

00:26:26,580 --> 00:26:24,490

going you know if there's anyone in

630

00:26:29,220 --> 00:26:26,590

Sydney who's in the production business

631

00:26:32,310 --> 00:26:29,230

or works in you know production side of

632

00:26:34,980 --> 00:26:32,320

photography or creative ideas or has it

633

00:26:37,050 --> 00:26:34,990

has a studio that we can use you know

634

00:26:38,580 --> 00:26:37,060

can source some props for us and we'll

635

00:26:41,190 --> 00:26:38,590

come up with some crazy ideas and do

636

00:26:42,510 --> 00:26:41,200

some crazy photo shoots what was the one

637

00:26:45,090 --> 00:26:42,520

I was thinking of today oh yeah you

638

00:26:47,760 --> 00:26:45,100

could do this was just popped into my

639

00:26:49,470 --> 00:26:47,770

head the Roswell reenact the Roswell

640

00:26:52,530 --> 00:26:49,480

thing and you can have all the skeptics

641

00:26:54,030 --> 00:26:52,540

standing around and are obviously health

642

00:26:57,810 --> 00:26:54,040

permitting James Randi could be the

643

00:26:59,280 --> 00:26:57,820

alien on the table and even later we get

644

00:27:01,500 --> 00:26:59,290

we'll Photoshop him in later if it's not

645

00:27:04,350 --> 00:27:01,510

there that's fine you know I just really

646

00:27:05,970 --> 00:27:04,360

taking it on being kind of humorous with

647

00:27:09,170 --> 00:27:05,980

it and giving people something that they

648

00:27:13,140 --> 00:27:09,180

can relate to it without being too

649

00:27:15,600 --> 00:27:13,150

elitist or confronting I guess I got so

650

00:27:18,150 --> 00:27:15,610

excited when I saw Evans little video

651
00:27:20,610 --> 00:27:18,160
that he made talking to me about my

652
00:27:22,950 --> 00:27:20,620
t-shirt on YouTube and picture of Jay

653
00:27:24,600 --> 00:27:22,960
wearing my t-shirt and I would just love

654
00:27:26,850 --> 00:27:24,610
to meet these guys and take photos with

655
00:27:28,820 --> 00:27:26,860
them be awesome and it looks like that

656
00:27:31,770 --> 00:27:28,830
opportunity will be indeed happening so

657
00:27:34,620 --> 00:27:31,780
congratulations congratulations it's a

658
00:27:35,970 --> 00:27:34,630
mom I'm very excited for everyone I'm

659
00:27:37,770 --> 00:27:35,980
really excited for you guys for being a

660
00:27:41,550 --> 00:27:37,780
part of it and thank you very much be

661
00:27:44,910 --> 00:27:41,560
talking to me anytime thanks Kylie thank

662
00:27:47,100 --> 00:27:44,920
you good you can head to Ricky in Toms

663
00:27:50,250 --> 00:27:47,110

websites to see more of their work Tom

664

00:27:53,370 --> 00:27:50,260

Perry's photography is at TP design com

665

00:27:56,040 --> 00:27:53,380

au and Ricky's work especially her great

666

00:27:59,070 --> 00:27:56,050

t-shirt designs can be found at Ricky

667

00:28:01,230 --> 00:27:59,080

b.net forthcoming news about Tam

668

00:28:03,080 --> 00:28:01,240

Australia will be eventually posted on

669

00:28:14,140 --> 00:28:03,090

the Australian skeptics website at

670

00:28:20,960 --> 00:28:17,480

you're listening to the skeptic zone I'm

671

00:28:23,180 --> 00:28:20,970

Brian Dunning from sceptile calm when

672

00:28:26,210 --> 00:28:23,190

I'm not tuned into the skeptic zone I'm

673

00:28:28,010 --> 00:28:26,220

recording thus kept I'd podcast doing

674

00:28:29,830 --> 00:28:28,020

what I can to further knowledge by

675

00:28:32,330 --> 00:28:29,840

blasting away the widespread

676

00:28:35,180 --> 00:28:32,340

pseudo-sciences that infect popular

677

00:28:37,250 --> 00:28:35,190

culture I've also compiled a 40-minute

678

00:28:40,490 --> 00:28:37,260

educational video on critical thinking

679

00:28:44,210 --> 00:28:40,500

called here be dragons at here be

680

00:28:47,240 --> 00:28:44,220

dragons movie.com I hope you check those

681

00:28:55,870 --> 00:28:47,250

out and I hope you enjoy the skeptic

682

00:29:00,110 --> 00:28:57,890

we'll have come down to darling harbour

683

00:29:03,350 --> 00:29:00,120

here in Sydney for the mind-body-spirit

684

00:29:06,710 --> 00:29:03,360

festival but as we call it of course the

685

00:29:08,060 --> 00:29:06,720

mind-body wallet going to be meeting up

686

00:29:10,310 --> 00:29:08,070

with some skeptics today we're going to

687

00:29:14,090 --> 00:29:10,320

be walking through whom possibly handing

688

00:29:17,180 --> 00:29:14,100

out skeptic challenge cards \$100,000 if

689

00:29:21,860 --> 00:29:17,190

you can prove your honey claim and we'll

690

00:29:26,570 --> 00:29:24,920

it's mind-body wallet time once again

691

00:29:28,549 --> 00:29:26,580

i'm here with william get a William

692

00:29:30,290 --> 00:29:28,559

hello Richard are you going getting back

693

00:29:32,810 --> 00:29:30,300

on the show again William early i know

694

00:29:34,820 --> 00:29:32,820

i'm blocking the limelight it's terrible

695

00:29:37,130 --> 00:29:34,830

terrible and richard hi Richard get over

696

00:29:39,110 --> 00:29:37,140

to today and we're just waiting out to

697

00:29:41,060 --> 00:29:39,120

the front of the exhibition center here

698

00:29:44,380 --> 00:29:41,070

and looking through the window what can

699

00:29:46,850 --> 00:29:44,390

we see all sorts of sacred cleansing and

700

00:29:48,140 --> 00:29:46,860

Amazonia something rather can't wait to

701
00:29:49,850 --> 00:29:48,150
get in we're just waiting for a few more

702
00:29:52,070 --> 00:29:49,860
skeptics to turn up and we'll see what's

703
00:29:54,080 --> 00:29:52,080
in store first good old mind-body wallet

704
00:29:55,760 --> 00:29:54,090
it's great have you seen the people

705
00:29:57,080 --> 00:29:55,770
getting their teeth whitened here just

706
00:29:58,760 --> 00:29:57,090
through the other window these people

707
00:30:01,520 --> 00:29:58,770
lying down with that Mouse being zapped

708
00:30:04,400 --> 00:30:01,530
it's so lovely it is exhibitionist cycle

709
00:30:06,049 --> 00:30:04,410
them yeah but with a great smile for the

710
00:30:08,090 --> 00:30:06,059
beautiful smile and great simon cowell

711
00:30:10,070 --> 00:30:08,100
style teeth there you go but that's what

712
00:30:11,240 --> 00:30:10,080
they usually thing isn't it yeah yeah

713
00:30:13,940 --> 00:30:11,250

the thing is when you've got usually

714

00:30:15,620 --> 00:30:13,950

flashing in your teeth for about half an

715

00:30:20,770 --> 00:30:15,630

hour I mean if everything looks white

716

00:30:26,020 --> 00:30:23,740

I'll look who turned up hello Joan hello

717

00:30:27,850 --> 00:30:26,030

Richard skeptic zona joke Ben about

718

00:30:30,760 --> 00:30:27,860

normally from the think tank of course

719

00:30:33,040 --> 00:30:30,770

and getting injections yes that's me are

720

00:30:34,690 --> 00:30:33,050

you still so standing still standing yes

721

00:30:39,130 --> 00:30:34,700

according I starting to feel a little

722

00:30:40,780 --> 00:30:39,140

bit out of sorts standing here in

723

00:30:42,610 --> 00:30:40,790

through the door waiting test we're

724

00:30:45,120 --> 00:30:42,620

going to be in for i know i think as

725

00:30:47,190 --> 00:30:45,130

richard BTW i'm starting to swish and

726

00:30:50,560 --> 00:30:47,200

hyperventilate as if you're doing that

727

00:30:58,070 --> 00:30:50,570

oh thank you thank you which let's go

728

00:31:05,160 --> 00:31:02,460

the bi-annual mind-body a wallet

729

00:31:06,600 --> 00:31:05,170

festival wrapped up on Sunday no doubt

730

00:31:09,990 --> 00:31:06,610

leaving in its wake a plethora of

731

00:31:11,700 --> 00:31:10,000

satisfied customers as usual I noted the

732

00:31:14,610 --> 00:31:11,710

dizzying array of lotions potions

733

00:31:16,680 --> 00:31:14,620

crystals and trinkets the tween of sea

734

00:31:18,720 --> 00:31:16,690

Tars and flutter of hands waving over

735

00:31:21,810 --> 00:31:18,730

those eager to have their chacras alone

736

00:31:24,560 --> 00:31:21,820

or meridians tweaked many of the usual

737

00:31:26,730 --> 00:31:24,570

suspects are their lifeblood analysis

738

00:31:29,160 --> 00:31:26,740

chiropractors assessing spinal alignment

739

00:31:31,710 --> 00:31:29,170

and of course a multitude of psychic

740

00:31:34,220 --> 00:31:31,720

readings even a man who does wax aren't

741

00:31:36,480 --> 00:31:34,230

psychic greetings whatever that may be I

742

00:31:38,790 --> 00:31:36,490

turn a blind eye to the more innocuous

743

00:31:41,190 --> 00:31:38,800

offerings of these events but some

744

00:31:43,200 --> 00:31:41,200

scream for attention not just because of

745

00:31:45,150 --> 00:31:43,210

their outlandishness but because their

746

00:31:48,840 --> 00:31:45,160

leap over the boundaries of harmless

747

00:31:51,080 --> 00:31:48,850

kooky fun I was drawn to a stall

748

00:31:53,880 --> 00:31:51,090

representing a dental practice in Sydney

749

00:31:56,010 --> 00:31:53,890

amongst other things they remove mercury

750

00:31:58,620 --> 00:31:56,020

amalgams claiming they cause mercury

751
00:32:01,590 --> 00:31:58,630
toxicity they recommend collation

752
00:32:03,690 --> 00:32:01,600
therapy to detoxify and refer to dental

753
00:32:06,480 --> 00:32:03,700
interference fields which seems to be

754
00:32:08,310 --> 00:32:06,490
like reflexology for teeth suffice to

755
00:32:10,140 --> 00:32:08,320
say that a little prodding for further

756
00:32:12,600 --> 00:32:10,150
information and the evidence for what

757
00:32:14,700 --> 00:32:12,610
they do resulted in my being verbally

758
00:32:18,210 --> 00:32:14,710
evicted from the store to the repeated

759
00:32:21,120 --> 00:32:18,220
cries of mercury's and neurotoxin from

760
00:32:23,070 --> 00:32:21,130
the woman running stall I spun around to

761
00:32:25,290 --> 00:32:23,080
see Australian skeptics Vice President

762
00:32:27,870 --> 00:32:25,300
Richard Saunders chatting to an amiable

763
00:32:30,540 --> 00:32:27,880

looking woman at the straw opposite she

764

00:32:32,700 --> 00:32:30,550

animatedly described how by waving her

765

00:32:34,860 --> 00:32:32,710

hands over your body she can heal what

766

00:32:37,650 --> 00:32:34,870

ails you how does this incredible

767

00:32:40,290 --> 00:32:37,660

technique work we asked they claim it

768

00:32:43,710 --> 00:32:40,300

goes beyond every other energy healing

769

00:32:45,840 --> 00:32:43,720

technique we have become disconnected

770

00:32:48,060 --> 00:32:45,850

from the meridian lines which used to

771

00:32:50,670 --> 00:32:48,070

connect us to the entire universe say

772

00:32:53,670 --> 00:32:50,680

the brochures we connect two unique

773

00:32:55,620 --> 00:32:53,680

vibratory levels and frequencies causing

774

00:32:58,160 --> 00:32:55,630

a reconnection of DNA strands and

775

00:33:00,390 --> 00:32:58,170

reintegration strings it continues oh

776
00:33:01,800 --> 00:33:00,400
hell just go and watch that woman on

777
00:33:03,740 --> 00:33:01,810
YouTube explain the physics of

778
00:33:06,990 --> 00:33:03,750
homeopathy and you've got the picture

779
00:33:09,890 --> 00:33:07,000
they claim healings for cancer paralysis

780
00:33:12,080 --> 00:33:09,900
bone fractures diabetes and more

781
00:33:14,120 --> 00:33:12,090
astounded at why they don't have a Nobel

782
00:33:16,370 --> 00:33:14,130
Prize for their incredible contribution

783
00:33:19,550 --> 00:33:16,380
to science we asked to see the published

784
00:33:23,270 --> 00:33:19,560
research oh it's all in Russian journals

785
00:33:24,950 --> 00:33:23,280
it's being translated we offered the

786
00:33:27,320 --> 00:33:24,960
Australian skeptics hundred thousand

787
00:33:29,570 --> 00:33:27,330
dollar challenge we explained a simple

788
00:33:32,930 --> 00:33:29,580

test was all that was needed they were

789

00:33:35,720 --> 00:33:32,940

open to the idea her fellow healer asked

790

00:33:38,060 --> 00:33:35,730

why do a simple test for such a complex

791

00:33:41,140 --> 00:33:38,070

thing you should do a very complicated

792

00:33:44,990 --> 00:33:41,150

test I looked at Richard despairingly

793

00:33:47,270 --> 00:33:45,000

removed on another stall was selling

794

00:33:48,800 --> 00:33:47,280

something called transfer factors which

795

00:33:50,720 --> 00:33:48,810

they claim will improve your immune

796

00:33:53,750 --> 00:33:50,730

system by four hundred and thirty-seven

797

00:33:56,300 --> 00:33:53,760

percent such a precise claim must be

798

00:33:57,680 --> 00:33:56,310

backed by data I thought never mind that

799

00:34:00,380 --> 00:33:57,690

boosting your immune system is a

800

00:34:02,330 --> 00:34:00,390

meaningless marketing term transfer

801
00:34:05,030 --> 00:34:02,340
factors they claim help the immune

802
00:34:06,440 --> 00:34:05,040
system recognize harmful elements change

803
00:34:09,830 --> 00:34:06,450
the immune response to suit the occasion

804
00:34:11,480 --> 00:34:09,840
and support immune memory all things

805
00:34:13,730 --> 00:34:11,490
which the immune system is capable of

806
00:34:14,990 --> 00:34:13,740
doing perfectly well on its own unless

807
00:34:18,649 --> 00:34:15,000
of course your immune system is

808
00:34:20,720 --> 00:34:18,659
suppressed by HIV or leukemia our immune

809
00:34:23,380 --> 00:34:20,730
system is incapable of responding to the

810
00:34:25,940 --> 00:34:23,390
challenges of everyday living they say I

811
00:34:28,399 --> 00:34:25,950
challenged them on these claims and they

812
00:34:30,909 --> 00:34:28,409
asked if I was a doctor I told them I

813
00:34:33,280 --> 00:34:30,919

was a nurse to which they said so are we

814

00:34:35,810 --> 00:34:33,290

they told me the doctors will prescribe

815

00:34:39,139 --> 00:34:35,820

chemotherapy for patients but will not

816

00:34:41,030 --> 00:34:39,149

take it themselves interestingly I

817

00:34:43,070 --> 00:34:41,040

discovered that this product has been

818

00:34:45,710 --> 00:34:43,080

used in a bizarre combined measles

819

00:34:48,590 --> 00:34:45,720

vaccine autism cure which andrew

820

00:34:51,830 --> 00:34:48,600

wakefield here of the great MMR autism

821

00:34:54,409 --> 00:34:51,840

debacle apparently represented the best

822

00:34:57,350 --> 00:34:54,419

the nurses they then claimed that the

823

00:34:59,930 --> 00:34:57,360

h1n1 vaccine was tainted and poisonous

824

00:35:02,150 --> 00:34:59,940

and that manufacturers knowingly allowed

825

00:35:03,830 --> 00:35:02,160

it to be used on the public when

826

00:35:06,350 --> 00:35:03,840

challenged they responded with tied

827

00:35:08,630 --> 00:35:06,360

claims about big farmer and big money as

828

00:35:12,800 --> 00:35:08,640

we continue they became more and more

829

00:35:14,600 --> 00:35:12,810

hostile to our questions so once again I

830

00:35:16,700 --> 00:35:14,610

came away from the mind/body wallet

831

00:35:19,160 --> 00:35:16,710

festival troubled by what I saw being

832

00:35:20,840 --> 00:35:19,170

peddled to the public the New South

833

00:35:22,579 --> 00:35:20,850

Wales health department's code of

834

00:35:24,680 --> 00:35:22,589

conduct for unregistered health

835

00:35:27,859 --> 00:35:24,690

petitioners was published in September

836

00:35:30,289 --> 00:35:27,869

2008 and states that a health care

837

00:35:32,509 --> 00:35:30,299

practitioner must display a copy at all

838

00:35:35,209 --> 00:35:32,519

premises where the practitioner carries

839

00:35:38,479 --> 00:35:35,219

on his or her practice I did not see a

840

00:35:41,749 --> 00:35:38,489

single one on display where are the

841

00:35:43,640 --> 00:35:41,759

authorities I asked myself how is it

842

00:35:46,400 --> 00:35:43,650

that these people can continue to

843

00:35:48,380 --> 00:35:46,410

promote and sell unproven disproven or

844

00:35:51,620 --> 00:35:48,390

potentially harmful products and

845

00:35:54,890 --> 00:35:51,630

therapies how is it that a man can claim

846

00:35:56,959 --> 00:35:54,900

to be able to heal cancer and HIV or

847

00:36:00,410 --> 00:35:56,969

sell pendants which can turn water into

848

00:36:02,239 --> 00:36:00,420

sunscreen how can a dentist needlessly

849

00:36:04,339 --> 00:36:02,249

remove fillings from people's teeth and

850

00:36:08,089 --> 00:36:04,349

subject them to a potentially dangerous

851
00:36:10,099 --> 00:36:08,099
and unnecessary intervention how can

852
00:36:11,749 --> 00:36:10,109
these same individuals not be held

853
00:36:14,989 --> 00:36:11,759
accountable by the authorities for

854
00:36:17,059 --> 00:36:14,999
deceiving vulnerable people I fear that

855
00:36:27,299 --> 00:36:17,069
on my next visit to the festival in six

856
00:36:31,839 --> 00:36:30,549
anyway Richard and Joey William left us

857
00:36:34,049 --> 00:36:31,849
a little while ago we're finished with

858
00:36:36,969 --> 00:36:34,059
the main body one for this six months

859
00:36:40,089 --> 00:36:36,979
Joe you've still got yourself together

860
00:36:42,189 --> 00:36:40,099
somehow I don't know how I i I'm still

861
00:36:44,799 --> 00:36:42,199
rather composed I've had a few moments

862
00:36:48,370 --> 00:36:44,809
of almost collapsing into a heap of

863
00:36:51,309 --> 00:36:48,380

madness but I survived well yeah we had

864

00:36:53,739 --> 00:36:51,319

some fun with the the guy with his magic

865

00:36:55,989 --> 00:36:53,749

herbs that your cancer cells were done

866

00:36:58,029 --> 00:36:55,999

best known cure cancer yes we remember

867

00:37:01,749 --> 00:36:58,039

him from last year I'm sure dr. Rachel

868

00:37:04,209 --> 00:37:01,759

will remember him and last year he had

869

00:37:06,189 --> 00:37:04,219

some interesting ideas I remember last

870

00:37:08,169 --> 00:37:06,199

year he wanted to sell his magic potions

871

00:37:10,989 --> 00:37:08,179

for several thousand dollars but

872

00:37:13,779 --> 00:37:10,999

interestingly this year he was saying

873

00:37:16,649 --> 00:37:13,789

that you you comin by an individual

874

00:37:19,359 --> 00:37:16,659

bottle you have to buy all 12 well and

875

00:37:22,239 --> 00:37:19,369

see that money he was killed oh he was

876
00:37:25,329 --> 00:37:22,249
huge water 50s he was coming to a rather

877
00:37:28,149 --> 00:37:25,339
large roll of money and and when pressed

878
00:37:29,620 --> 00:37:28,159
on how his treatment worked he couldn't

879
00:37:32,140 --> 00:37:29,630
really tell us too much about anything

880
00:37:33,909 --> 00:37:32,150
that made any sense not at all in fact a

881
00:37:35,919 --> 00:37:33,919
lot of people in there today didn't make

882
00:37:37,419 --> 00:37:35,929
much sense at I know they think they

883
00:37:39,069 --> 00:37:37,429
make sense in their own heads but

884
00:37:42,399 --> 00:37:39,079
certainly didn't make much we were all

885
00:37:44,169 --> 00:37:42,409
born in pure light so no yes yeah there

886
00:37:46,779 --> 00:37:44,179
was a lot of pure light relevant and

887
00:37:48,999 --> 00:37:46,789
thus the winning one of the day although

888
00:37:51,009 --> 00:37:49,009

it was stiff competition was the guy who

889

00:37:52,179 --> 00:37:51,019

said that women are getting breast

890

00:37:54,219 --> 00:37:52,189

cancer because they sit in front of

891

00:37:56,739 --> 00:37:54,229

their computers with bras with underwire

892

00:37:58,390 --> 00:37:56,749

that's the one ever yeah we found in

893

00:37:59,890 --> 00:37:58,400

your conspiracy I'm a conspiracy and

894

00:38:01,959 --> 00:37:59,900

these light bulbs that have been given

895

00:38:03,549 --> 00:38:01,969

out the new energy-saving ones they're

896

00:38:05,890 --> 00:38:03,559

going to give us all what was it cancer

897

00:38:08,259 --> 00:38:05,900

Oh might as well but I might as well be

898

00:38:11,079 --> 00:38:08,269

naught is autumn rae autism rates have

899

00:38:14,370 --> 00:38:11,089

been going up 6060 thousand percent

900

00:38:17,430 --> 00:38:14,380

about 1940 and it's because of the

901

00:38:20,040 --> 00:38:17,440

mixology electricity that's right

902

00:38:21,750 --> 00:38:20,050

a somewhat dirty electricity is on I

903

00:38:24,660 --> 00:38:21,760

don't think that guy much of all he's

904

00:38:26,550 --> 00:38:24,670

really gone and we had the magic pendant

905

00:38:27,930 --> 00:38:26,560

of course and we both tried that Richard

906

00:38:29,220 --> 00:38:27,940

was very excited because he wanted to

907

00:38:30,930 --> 00:38:29,230

have a go through magic pendant last

908

00:38:34,079 --> 00:38:30,940

year and he finally did it this year

909

00:38:35,880 --> 00:38:34,089

yeah I need to discover that was the old

910

00:38:37,829 --> 00:38:35,890

kinesiology trick you hold out your hand

911

00:38:39,120 --> 00:38:37,839

and they push down then they give you

912

00:38:40,890 --> 00:38:39,130

the pendant may press down again they

913

00:38:43,380 --> 00:38:40,900

say look you're more powerful or less

914

00:38:45,210 --> 00:38:43,390

powerful there's simply press on it so

915

00:38:47,099 --> 00:38:45,220

we are we have people this year also

916

00:38:49,589 --> 00:38:47,109

telling us that we don't need to wear

917

00:38:51,569 --> 00:38:49,599

sunscreen yes magic water we can spray

918

00:38:53,010 --> 00:38:51,579

on our skin and accessories you see the

919

00:38:54,540 --> 00:38:53,020

same people as dependent if we're

920

00:38:56,520 --> 00:38:54,550

dependent that you know how that worked

921

00:38:58,620 --> 00:38:56,530

you put dependent under a bottle of

922

00:39:00,240 --> 00:38:58,630

water for 10 minutes then you put that

923

00:39:03,089 --> 00:39:00,250

on yourself instead of sunscreens right

924

00:39:06,990 --> 00:39:03,099

and folks I actually gave them the

925

00:39:09,809 --> 00:39:07,000

lecture but in the meantime and I say

926

00:39:12,450 --> 00:39:09,819

this motion silly I would be most

927

00:39:14,280 --> 00:39:12,460

hesitant indeed about telling people to

928

00:39:16,500 --> 00:39:14,290

use the aur-magic water instead of sun

929

00:39:19,559 --> 00:39:16,510

block that could lead to melanoma all

930

00:39:22,380 --> 00:39:19,569

right i am telling you as a favor and as

931

00:39:24,870 --> 00:39:22,390

a concerned person to society magic

932

00:39:28,410 --> 00:39:24,880

water is no substitute for sun block you

933

00:39:30,359 --> 00:39:28,420

must understand that all right okay

934

00:39:32,940 --> 00:39:30,369

that's my advice you keep doing it

935

00:39:35,609 --> 00:39:32,950

yourself don't advise people to use

936

00:39:37,530 --> 00:39:35,619

magic ordinance at a sunblock because

937

00:39:39,170 --> 00:39:37,540

you could get yourself sued by someone

938

00:39:45,520 --> 00:39:39,180

coming back with melanoma

939

00:39:51,520 --> 00:39:48,700

and this was actually someone who said

940

00:39:52,720 --> 00:39:51,530

that she she praised this water on her

941

00:39:55,510 --> 00:39:52,730

grandchild because she doesn't want to

942

00:39:57,100 --> 00:39:55,520

use the chemicals in the sunscreen so

943

00:39:59,290 --> 00:39:57,110

she's icky subjecting her her own

944

00:40:01,540 --> 00:39:59,300

grandchild to potentially harm well

945

00:40:02,800 --> 00:40:01,550

we've decided next year we in the six

946

00:40:05,200 --> 00:40:02,810

months time we really must come back

947

00:40:07,720 --> 00:40:05,210

here with a film crew and somebody from

948

00:40:10,030 --> 00:40:07,730

the a Triple C or the TGA or I don't

949

00:40:11,950 --> 00:40:10,040

know who biggest IRA there are claims in

950

00:40:13,750 --> 00:40:11,960

there with you oh absolutely and I think

951
00:40:15,820 --> 00:40:13,760
one of the things that I found so

952
00:40:20,500 --> 00:40:15,830
upsetting today was speaking to a couple

953
00:40:21,880 --> 00:40:20,510
of nurses who were claiming that people

954
00:40:24,940 --> 00:40:21,890
shouldn't be having chemotherapy for

955
00:40:27,310 --> 00:40:24,950
cancer who were offering all sorts of

956
00:40:29,200 --> 00:40:27,320
supplements for bursting people's immune

957
00:40:31,930 --> 00:40:29,210
system isn't it interesting they say

958
00:40:33,790 --> 00:40:31,940
don't use chemotherapy but use the stuff

959
00:40:35,110 --> 00:40:33,800
we happen to be selling the stuff we

960
00:40:36,880 --> 00:40:35,120
happen to be selling for which we can

961
00:40:39,430 --> 00:40:36,890
furnish no evidence that it actually

962
00:40:41,380 --> 00:40:39,440
does anything well that's mind-body

963
00:40:43,570 --> 00:40:41,390

wallet for your folks as I said before

964

00:40:45,700 --> 00:40:43,580

it's it's worth of ism it really is

965

00:40:47,350 --> 00:40:45,710

worth a visit and I would go so far as

966

00:40:49,990 --> 00:40:47,360

the saying that every medical student

967

00:40:52,840 --> 00:40:50,000

should come down and visit us it is it's

968

00:40:54,250 --> 00:40:52,850

an eye-opening experience and you can

969

00:40:56,470 --> 00:40:54,260

nom your way through it if you want you

970

00:40:58,930 --> 00:40:56,480

can actually remember some honey popcorn

971

00:41:01,030 --> 00:40:58,940

mmm-hmm I don't wish this until the next

972

00:41:12,560 --> 00:41:01,040

six months goodbye from mind-body wallet

973

00:41:17,520 --> 00:41:15,270

yo guys i was talking to Richard sonsie

974

00:41:19,800 --> 00:41:17,530

today all right he said if we record a

975

00:41:21,810 --> 00:41:19,810

trailer for our podcast skeptics with a

976

00:41:23,130 --> 00:41:21,820

que he'd play it on their own they're

977

00:41:24,420 --> 00:41:23,140

sure nice nice of him that's very

978

00:41:25,890 --> 00:41:24,430

generous it's pretty good i'm not sure

979

00:41:27,390 --> 00:41:25,900

what we could do though I mean well

980

00:41:29,760 --> 00:41:27,400

suppose you tell people all the shows

981

00:41:32,010 --> 00:41:29,770

about but it's basically this yeah but

982

00:41:33,660 --> 00:41:32,020

yeah but you know we talk about science

983

00:41:34,859 --> 00:41:33,670

and skepticism and things that's that's

984

00:41:36,810 --> 00:41:34,869

true as fuzzier you mentioned the

985

00:41:38,910 --> 00:41:36,820

website address what merseyside skeptics

986

00:41:40,530 --> 00:41:38,920

todo UK yeah yeah just like searches

987

00:41:42,990 --> 00:41:40,540

night UN's oh and then we could end with

988

00:41:49,670 --> 00:41:43,000

like a big song like the skeptics with

989

00:41:57,859 --> 00:41:53,040

now it's time for dr. ray chira ports

990

00:42:03,630 --> 00:42:00,630

hello everyone and welcome to dr. Xu

991

00:42:05,430 --> 00:42:03,640

reports this week I'm reporting to you

992

00:42:08,339 --> 00:42:05,440

from the International proteolysis

993

00:42:10,589 --> 00:42:08,349

society meeting held last week at

994

00:42:14,700 --> 00:42:10,599

Surfers Paradise in Queensland Australia

995

00:42:17,280 --> 00:42:14,710

as the name suggests this conference was

996

00:42:20,040 --> 00:42:17,290

about the breakdown of proteins in

997

00:42:22,589 --> 00:42:20,050

infectious diseases age-related diseases

998

00:42:25,170 --> 00:42:22,599

such as heart disease and many other

999

00:42:28,530 --> 00:42:25,180

pathologies I listen to lectures about

1000

00:42:32,910 --> 00:42:28,540

scabies chlamydia Alzheimer's disease

1001
00:42:34,140 --> 00:42:32,920
blood coagulation and influenza one of

1002
00:42:36,180 --> 00:42:34,150
the lectures that was particularly

1003
00:42:39,210 --> 00:42:36,190
interesting was about developing a

1004
00:42:41,880 --> 00:42:39,220
vaccine against hookworm infection dr.

1005
00:42:44,070 --> 00:42:41,890
Alex Lucas who is a parasitologist was

1006
00:42:46,770 --> 00:42:44,080
kind enough to give me his time after

1007
00:42:49,260 --> 00:42:46,780
his seminar I spoke to alex by the pool

1008
00:42:51,810 --> 00:42:49,270
at the marriott hotel where he told me

1009
00:42:54,870 --> 00:42:51,820
about helmuth's parasitology and

1010
00:42:57,180 --> 00:42:54,880
pornography so I'm here with Alex Lucas

1011
00:42:59,550 --> 00:42:57,190
hi Alex welcome to the skipper's owned

1012
00:43:02,370 --> 00:42:59,560
by Rachel thank you you are a

1013
00:43:05,280 --> 00:43:02,380

parasitologist from Queensland from the

1014

00:43:08,160 --> 00:43:05,290

institute for medical research and what

1015

00:43:10,849 --> 00:43:08,170

exactly does a parasitologist do it's

1016

00:43:12,750 --> 00:43:10,859

the peristalsis studies parasites yes

1017

00:43:14,790 --> 00:43:12,760

we'll just look at there are many

1018

00:43:16,800 --> 00:43:14,800

different aspects of parasitology but

1019

00:43:19,710 --> 00:43:16,810

the one that I'm interested in is what

1020

00:43:22,609 --> 00:43:19,720

is the molecular basis of how parasites

1021

00:43:24,630 --> 00:43:22,619

can live a parasitic existence you look

1022

00:43:26,760 --> 00:43:24,640

molecules to they secrete that allow

1023

00:43:30,060 --> 00:43:26,770

them to live in Saada in this case a

1024

00:43:32,280 --> 00:43:30,070

humanist mmm you're interested in the

1025

00:43:35,010 --> 00:43:32,290

hookworm or the helmet aren't you which

1026

00:43:38,490 --> 00:43:35,020

is a poem is a part of the helmet family

1027

00:43:40,470 --> 00:43:38,500

yeah helmets weren't and they belong to

1028

00:43:43,410 --> 00:43:40,480

many different phylogenetic groups

1029

00:43:44,280 --> 00:43:43,420

flatland roundworms tapeworms are all

1030

00:43:46,560 --> 00:43:44,290

helmets

1031

00:43:48,150 --> 00:43:46,570

the hookworms cause a lot of problems

1032

00:43:49,530 --> 00:43:48,160

particularly in the developing world can

1033

00:43:51,240 --> 00:43:49,540

you tell us a little bit about what an

1034

00:43:52,890 --> 00:43:51,250

infection we hookworm would do to a

1035

00:43:55,530 --> 00:43:52,900

person or an animal for that matter

1036

00:43:57,540 --> 00:43:55,540

hookworms used to actually be a problem

1037

00:44:00,450 --> 00:43:57,550

in Australia in humans in Australia and

1038

00:44:03,000 --> 00:44:00,460

even in the 1940s we still have hook

1039

00:44:05,970 --> 00:44:03,010

line through Queensland but a program of

1040

00:44:08,970 --> 00:44:05,980

increased sanitation and public

1041

00:44:11,070 --> 00:44:08,980

awareness and therapy with anti-ha

1042

00:44:12,930 --> 00:44:11,080

Olympic drugs so drugs tablets are

1043

00:44:15,330 --> 00:44:12,940

killed one's pretty much took care of

1044

00:44:17,550 --> 00:44:15,340

Queensland's human hookworm population

1045

00:44:19,020 --> 00:44:17,560

but our dogs are still infected and so

1046

00:44:20,760 --> 00:44:19,030

if you don't treat your dogs through

1047

00:44:22,860 --> 00:44:20,770

anywhere in the tropics of north of

1048

00:44:24,120 --> 00:44:22,870

Brisbane they'll have booked one there's

1049

00:44:28,050 --> 00:44:24,130

a different species to the one that

1050

00:44:30,210 --> 00:44:28,060

infects people so human hookworms are

1051

00:44:31,730 --> 00:44:30,220

prevalent in 7 800 million people

1052

00:44:36,240 --> 00:44:31,740

throughout all the development countries

1053

00:44:38,730 --> 00:44:36,250

particularly sub-saharan Africa and the

1054

00:44:42,330 --> 00:44:38,740

major pathology the hookworms cause is

1055

00:44:43,980 --> 00:44:42,340

blood loss and they live in the gut they

1056

00:44:47,240 --> 00:44:43,990

suck blood and they sup a lot of blood

1057

00:44:49,530 --> 00:44:47,250

and people who are already malnourished

1058

00:44:51,330 --> 00:44:49,540

will if they have a heavy hookworm

1059

00:44:53,130 --> 00:44:51,340

infection will develop iron deficiency

1060

00:44:55,380 --> 00:44:53,140

anemia so a lot enough iron in their

1061

00:44:57,480 --> 00:44:55,390

blood they become it they become

1062

00:44:59,550 --> 00:44:57,490

lethargic so can you tell us a little

1063

00:45:02,370 --> 00:44:59,560

bit about their life cycle you mentioned

1064

00:45:05,100 --> 00:45:02,380

yesterday and your seminar that you can

1065

00:45:08,880 --> 00:45:05,110

excrete up to 20,000 eggs in your feces

1066

00:45:11,640 --> 00:45:08,890

is that right yeah even more yes so one

1067

00:45:13,140 --> 00:45:11,650

and that's just one female worms so

1068

00:45:15,180 --> 00:45:13,150

these ones are separate sexes they're

1069

00:45:17,730 --> 00:45:15,190

males and females they'll sexually

1070

00:45:19,890 --> 00:45:17,740

reproduce and the female will lay many

1071

00:45:22,290 --> 00:45:19,900

many many eggs and eggs come out in the

1072

00:45:24,420 --> 00:45:22,300

feces and they Embree innate in the soil

1073

00:45:26,250 --> 00:45:24,430

and the little larvae hatch out of the X

1074

00:45:28,200 --> 00:45:26,260

and then those larvae are the infectious

1075

00:45:30,450 --> 00:45:28,210

stage that will then penetrate through

1076

00:45:31,089 --> 00:45:30,460

the skin of anybody who happens to come

1077

00:45:34,239 --> 00:45:31,099

in contact

1078

00:45:36,400 --> 00:45:34,249

on the soil or gods so yesterday you

1079

00:45:38,999 --> 00:45:36,410

were going to show us a video of what

1080

00:45:42,789 --> 00:45:39,009

you referred to as the pornography from

1081

00:45:45,069 --> 00:45:42,799

parasitologist but it didn't work oh it

1082

00:45:46,089 --> 00:45:45,079

was working on the computer screen but

1083

00:45:47,859 --> 00:45:46,099

you guys couldn't see it on the

1084

00:45:50,170 --> 00:45:47,869

projector well given that this is also

1085

00:45:51,579 --> 00:45:50,180

an audio based show yeah can you explain

1086

00:45:57,390 --> 00:45:51,589

to us what you were going to show yeah

1087

00:45:59,890 --> 00:45:57,400

videos that video was footage taken by a

1088

00:46:02,979 --> 00:45:59,900

colonoscope a scope of a

1089

00:46:06,190 --> 00:46:02,989

gastroenterologist in this case inserts

1090

00:46:08,969 --> 00:46:06,200

up the rectum and he goes into the small

1091

00:46:12,099 --> 00:46:08,979

intestine and has a look around and

1092

00:46:14,670 --> 00:46:12,109

basically sees what's going on in there

1093

00:46:16,900 --> 00:46:14,680

miss but this was a person from

1094

00:46:18,370 --> 00:46:16,910

Townsville and North Queensland really

1095

00:46:20,410 --> 00:46:18,380

where there is no longer human hookworm

1096

00:46:22,749 --> 00:46:20,420

but this person was actually infected

1097

00:46:24,969 --> 00:46:22,759

with a dual core point now most of us

1098

00:46:27,309 --> 00:46:24,979

anyone who has ever spent any time in

1099

00:46:30,460 --> 00:46:27,319

Queensland or Northern Territory on

1100

00:46:31,539 --> 00:46:30,470

northern wa would have been in fact it's

1101

00:46:33,219 --> 00:46:31,549

the good chance we would have been

1102

00:46:35,229 --> 00:46:33,229

infected with dog before in lobby and we

1103

00:46:36,660 --> 00:46:35,239

never knew about it allow the arrest in

1104

00:46:39,130 --> 00:46:36,670

our tissues and don't cause any

1105

00:46:40,719 --> 00:46:39,140

whatsoever but very occasionally the

1106

00:46:42,819 --> 00:46:40,729

kids that at least one of those larvae

1107

00:46:44,739 --> 00:46:42,829

will make it to adulthood another come

1108

00:46:47,680 --> 00:46:44,749

an adult one residing in the gut

1109

00:46:49,630 --> 00:46:47,690

something on blood and occasionally very

1110

00:46:52,059 --> 00:46:49,640

occasionally those worms Center cause

1111

00:46:54,579 --> 00:46:52,069

really nasty disease who in a very nasty

1112

00:46:57,670 --> 00:46:54,589

enteritis but this particular person who

1113

00:46:59,620 --> 00:46:57,680

I was showing the video footage of this

1114

00:47:02,259 --> 00:46:59,630

person was healthy not sick are having

1115

00:47:04,329 --> 00:47:02,269

an endoscopy for other reasons but the

1116

00:47:06,400 --> 00:47:04,339

gastroenterologist found one single

1117

00:47:08,140 --> 00:47:06,410

hookworm they're sucking blood you know

1118

00:47:09,519 --> 00:47:08,150

you can see very clearly to shame the

1119

00:47:11,650 --> 00:47:09,529

video didn't work as you can see very

1120

00:47:13,690 --> 00:47:11,660

clearly whether one is attached to the

1121

00:47:15,190 --> 00:47:13,700

gut wall there was blood leeching out

1122

00:47:17,019 --> 00:47:15,200

from around the attachment site and

1123

00:47:19,660 --> 00:47:17,029

every soft and the worm would shoot a

1124

00:47:22,599 --> 00:47:19,670

puff of blood out of Tanous oh you can

1125

00:47:24,339 --> 00:47:22,609

just get able to give our me is that the

1126
00:47:26,829 --> 00:47:24,349
point of that's the paragraph expected

1127
00:47:28,690 --> 00:47:26,839
it would have given you a very visual

1128
00:47:30,690 --> 00:47:28,700
appreciation for what a very heavy

1129
00:47:32,250 --> 00:47:30,700
popcorn burnin can

1130
00:47:34,980 --> 00:47:32,260
do in terms of blood loss so how many

1131
00:47:36,630 --> 00:47:34,990
would you possibly be infected with at

1132
00:47:39,329 --> 00:47:36,640
any one time I know that would bury but

1133
00:47:40,500 --> 00:47:39,339
it's more than one oh yeah sure most

1134
00:47:42,660 --> 00:47:40,510
people would be infected with a

1135
00:47:44,880 --> 00:47:42,670
relatively low to moderate infection

1136
00:47:48,120 --> 00:47:44,890
which can be anywhere between just a few

1137
00:47:49,530 --> 00:47:48,130
to 30 40 worms growth but people who are

1138
00:47:51,810 --> 00:47:49,540

heavily infected can have hundreds of

1139

00:47:54,599 --> 00:47:51,820

works well and you mentioned that they

1140

00:47:57,089 --> 00:47:54,609

get to about one centimeter long one to

1141

00:47:58,740 --> 00:47:57,099

1.2 1.3 centimeters long as the adult

1142

00:48:01,260 --> 00:47:58,750

worm that's a bit bad enough when

1143

00:48:02,700 --> 00:48:01,270

they're feeding on blood so part of your

1144

00:48:05,339 --> 00:48:02,710

work is involved developing a vaccine

1145

00:48:06,930 --> 00:48:05,349

against Oakland can you tell us a little

1146

00:48:08,040 --> 00:48:06,940

bit about that because the mechanism

1147

00:48:09,780 --> 00:48:08,050

that you're going to be targeting is

1148

00:48:11,250 --> 00:48:09,790

very interesting you're going to be

1149

00:48:12,750 --> 00:48:11,260

targeting an enzyme that helps them

1150

00:48:14,520 --> 00:48:12,760

break down blood for therefore they

1151

00:48:17,339 --> 00:48:14,530

start can you tell us a bit about that

1152

00:48:19,650 --> 00:48:17,349

the way of Auckland digests its its

1153

00:48:23,370 --> 00:48:19,660

blood meal its food it's very similar to

1154

00:48:25,380 --> 00:48:23,380

the way we do we eat food the proteins

1155

00:48:27,359 --> 00:48:25,390

in our gut are digested by the gist of

1156

00:48:30,060 --> 00:48:27,369

enzymes fulcrums do the same thing

1157

00:48:31,650 --> 00:48:30,070

they'll suck blood they secrete

1158

00:48:34,230 --> 00:48:31,660

molecules that first the red blood cell

1159

00:48:36,870 --> 00:48:34,240

open and then the hemoglobin inside the

1160

00:48:39,420 --> 00:48:36,880

red blood cell is one of the major food

1161

00:48:41,339 --> 00:48:39,430

sources for the worm and then they use a

1162

00:48:44,730 --> 00:48:41,349

bunch of different enzymes which we call

1163

00:48:47,010 --> 00:48:44,740

proteases to digest the hemoglobin is a

1164

00:48:48,599 --> 00:48:47,020

small peptides or little single amino

1165

00:48:50,609 --> 00:48:48,609

acids that they can then absorb and

1166

00:48:54,000 --> 00:48:50,619

useful nutrition so we're trying to

1167

00:48:55,890 --> 00:48:54,010

develop a vaccine where we would induce

1168

00:48:58,260 --> 00:48:55,900

an antibody response and the people who

1169

00:48:59,940 --> 00:48:58,270

are vaccinated those antibodies would be

1170

00:49:01,829 --> 00:48:59,950

swallowed by the worm when we're sucking

1171

00:49:03,900 --> 00:49:01,839

on our blood and those antibodies be

1172

00:49:06,210 --> 00:49:03,910

then attack the gut of little boom where

1173

00:49:07,710 --> 00:49:06,220

those crowley ages are secreted and then

1174

00:49:09,660 --> 00:49:07,720

inhibit the ability of the learn to

1175

00:49:12,270 --> 00:49:09,670

digestive blood meal and would effective

1176

00:49:14,160 --> 00:49:12,280

us starve so essentially the antibodies

1177

00:49:15,870 --> 00:49:14,170

coming from the human blood source so

1178

00:49:17,730 --> 00:49:15,880

you inject the person with their vaccine

1179

00:49:20,160 --> 00:49:17,740

they develop the antibodies and then

1180

00:49:22,109 --> 00:49:20,170

when the worm ingest that that's when

1181

00:49:24,329 --> 00:49:22,119

they can't make food out of the

1182

00:49:27,650 --> 00:49:24,339

hemoglobin it's quite a lot of poison we

1183

00:49:30,500 --> 00:49:27,660

use the analogy of the poison chalice or

1184

00:49:31,670 --> 00:49:30,510

yeah and it's safe the ones are doing

1185

00:49:33,500 --> 00:49:31,680

what they want to do and they're sucking

1186

00:49:37,130 --> 00:49:33,510

on their having a blood meal just like a

1187

00:49:38,809 --> 00:49:37,140

mosquito would yeah but that blood meal

1188

00:49:40,640 --> 00:49:38,819

is laced with antibodies that are going

1189

00:49:41,870 --> 00:49:40,650

to start attacking the worms own gut you

1190

00:49:44,319 --> 00:49:41,880

mentioned before that there's a vaccine

1191

00:49:46,490 --> 00:49:44,329

for dogs is that based on this sort of

1192

00:49:48,859 --> 00:49:46,500

technology or is a very different it's

1193

00:49:50,900 --> 00:49:48,869

very different that vaccine is no longer

1194

00:49:52,220 --> 00:49:50,910

available but was available in the 70s

1195

00:49:54,470 --> 00:49:52,230

it was actually developed in the mid to

1196

00:49:56,000 --> 00:49:54,480

late 60s and that was a vaccine that's

1197

00:49:58,309 --> 00:49:56,010

more like the vaccines that we all get

1198

00:50:00,500 --> 00:49:58,319

against viruses and and some bacteria

1199

00:50:02,750 --> 00:50:00,510

that's called an attenuated parasite

1200

00:50:04,700 --> 00:50:02,760

vaccine so well that vaccine they took

1201

00:50:07,010 --> 00:50:04,710

the larval stage and put the stage it

1202

00:50:08,960 --> 00:50:07,020

infects through the skin and they gave

1203

00:50:10,940 --> 00:50:08,970

them the dose of radiation and that

1204

00:50:13,789 --> 00:50:10,950

stops the parasites from being able to

1205

00:50:15,819 --> 00:50:13,799

further develop then they stay alive so

1206

00:50:18,829 --> 00:50:15,829

when the dogs were injected with those

1207

00:50:20,990 --> 00:50:18,839

attenuated parasites they stimulated an

1208

00:50:22,609 --> 00:50:21,000

immune response the immune response was

1209

00:50:24,950 --> 00:50:22,619

able to kick in and protect the dogs

1210

00:50:26,870 --> 00:50:24,960

that those la vie could not develop once

1211

00:50:28,849 --> 00:50:26,880

they are inside the dog who was that

1212

00:50:30,500 --> 00:50:28,859

technology not able to be applied to

1213

00:50:32,420 --> 00:50:30,510

humans why is it that we've never had

1214

00:50:34,400 --> 00:50:32,430

that vaccine available to kill me yeah

1215

00:50:36,589 --> 00:50:34,410

it's a good question um that approach

1216

00:50:38,480 --> 00:50:36,599

would almost certainly work for human

1217

00:50:40,339 --> 00:50:38,490

vaccine but we're talking about a

1218

00:50:43,339 --> 00:50:40,349

disease here of developing countries

1219

00:50:44,990 --> 00:50:43,349

where the costs in producing it and

1220

00:50:47,240 --> 00:50:45,000

administering it need to be really

1221

00:50:49,339 --> 00:50:47,250

really low and making a vaccine where

1222

00:50:51,109 --> 00:50:49,349

you would have to culture trillions and

1223

00:50:52,730 --> 00:50:51,119

trillions and put comme la vie I to

1224

00:50:53,960 --> 00:50:52,740

radiate them and get them out to

1225

00:50:57,079 --> 00:50:53,970

developing countries is just completely

1226
00:50:58,849 --> 00:50:57,089
unfeasible economical right ok so does

1227
00:51:00,920 --> 00:50:58,859
it cost it's a constant rate across the

1228
00:51:03,170 --> 00:51:00,930
air ok we have to keep things as low as

1229
00:51:04,819 --> 00:51:03,180
possible so the aim of the vaccine of

1230
00:51:07,609 --> 00:51:04,829
course is to stop people becoming anemic

1231
00:51:11,059 --> 00:51:07,619
and is that your main a out of it yes

1232
00:51:12,260 --> 00:51:11,069
you can if you can reduce blood loss it

1233
00:51:14,120 --> 00:51:12,270
doesn't matter if you've got a few hook

1234
00:51:17,029 --> 00:51:14,130
one janiga so long as you are not

1235
00:51:18,140 --> 00:51:17,039
suffering significant blood loss then

1236
00:51:19,549 --> 00:51:18,150
people don't really know they're

1237
00:51:22,400 --> 00:51:19,559
infected and they won't real they won't

1238
00:51:24,799 --> 00:51:22,410

suffer any illness other than the blood

1239

00:51:27,289 --> 00:51:24,809

loss associated with heavy infections so

1240

00:51:29,089 --> 00:51:27,299

this work that you're doing alex is in

1241

00:51:30,140 --> 00:51:29,099

collaboration with some other people as

1242

00:51:31,609 --> 00:51:30,150

well I know that you're getting some

1243

00:51:33,980 --> 00:51:31,619

funding from the Bill and Melinda Gates

1244

00:51:36,290 --> 00:51:33,990

Foundation has become very absolutely

1245

00:51:38,960 --> 00:51:36,300

funding research for the developing

1246

00:51:42,170 --> 00:51:38,970

world where often the world is this

1247

00:51:44,480 --> 00:51:42,180

research being done so this is our gates

1248

00:51:46,940 --> 00:51:44,490

funded program is a multicenter

1249

00:51:49,220 --> 00:51:46,950

initiative our colleagues in washington

1250

00:51:51,770 --> 00:51:49,230

DC at george washington university are

1251
00:51:53,720 --> 00:51:51,780
really the central point they manageable

1252
00:51:55,040 --> 00:51:53,730
and we have colleagues in brazil which

1253
00:51:57,080 --> 00:51:55,050
is where we do our fieldwork and our

1254
00:51:58,820 --> 00:51:57,090
clinical trials with colleagues in

1255
00:52:01,490 --> 00:51:58,830
London so this is sort of all over the

1256
00:52:03,140 --> 00:52:01,500
world yeah well good luck we found the

1257
00:52:04,580 --> 00:52:03,150
development of the vaccine Alex and

1258
00:52:07,370 --> 00:52:04,590
thank you for taking time to talk to us

1259
00:52:09,320 --> 00:52:07,380
today Rock'em I look forward to hearing

1260
00:52:11,990 --> 00:52:09,330
about the progress of a vaccine for

1261
00:52:14,840 --> 00:52:12,000
hookworm thanks to Alex for joining us

1262
00:52:16,700 --> 00:52:14,850
and stay tuned listeners for in the next

1263
00:52:18,680 --> 00:52:16,710

few weeks i'll have more reports from

1264

00:52:21,260 --> 00:52:18,690

the international proteolysis society

1265

00:52:24,320 --> 00:52:21,270

meeting this time about new therapies

1266

00:52:40,340 --> 00:52:24,330

for malaria and until next time this has

1267

00:52:44,760 --> 00:52:42,690

astronomy cast it takes a fact space

1268

00:52:46,470 --> 00:52:44,770

journey through the cosmos as it offers

1269

00:52:49,170 --> 00:52:46,480

listeners weekly discussions on

1270

00:52:52,110 --> 00:52:49,180

astronomical topics ranging from planets

1271

00:52:54,360 --> 00:52:52,120

to cosmology hosted by Fraser Cain of

1272

00:52:55,380 --> 00:52:54,370

Universe Today and myself dr. Pamela

1273

00:52:58,050 --> 00:52:55,390

gave southern illinois university

1274

00:52:59,910 --> 00:52:58,060

edwardsville this show brings the

1275

00:53:02,370 --> 00:52:59,920

questions of an avid astronomy lover

1276

00:53:04,470 --> 00:53:02,380

directly to an astronomer together

1277

00:53:06,000 --> 00:53:04,480

Fraser and I explore what is known and

1278

00:53:08,760 --> 00:53:06,010

being discovered about the universe

1279

00:53:10,830 --> 00:53:08,770

around us join us each week as we take a

1280

00:53:20,400 --> 00:53:10,840

fact space journey through the cosmos at

1281

00:53:27,500 --> 00:53:20,410

astronomy cast com join us now for

1282

00:53:35,009 --> 00:53:30,539

well cheers everybody welcome once again

1283

00:53:36,630 --> 00:53:35,019

to a think tank now listen we must

1284

00:53:40,109 --> 00:53:36,640

before I introduce everybody we must

1285

00:53:42,960 --> 00:53:40,119

sincerely thank Alyssa Goldberg from New

1286

00:53:49,349 --> 00:53:42,970

York who has sent us some money to bias

1287

00:53:50,880 --> 00:53:49,359

the drinks we are now drinking my other

1288

00:53:54,750 --> 00:53:50,890

record has just fallen off the tail

1289

00:53:57,180 --> 00:53:54,760

around what what a it's really great to

1290

00:53:59,460 --> 00:53:57,190

have dr. Reggie back in the country from

1291

00:54:03,450 --> 00:53:59,470

your adventures overseas visiting the

1292

00:54:06,059 --> 00:54:03,460

USA Miami I did yeah and a good time

1293

00:54:09,539 --> 00:54:06,069

yeah it was interesting the conference

1294

00:54:11,130 --> 00:54:09,549

was very very good it was about ALS or

1295

00:54:14,130 --> 00:54:11,140

otherwise known as Lou Gehrig's disease

1296

00:54:17,400 --> 00:54:14,140

ah lots of American listeners will

1297

00:54:22,259 --> 00:54:17,410

remember Lou Gehrig he was a the

1298

00:54:26,400 --> 00:54:22,269

sporting areas yes sir please javelin

1299

00:54:27,839 --> 00:54:26,410

move it off a plane for 12 hours and I

1300

00:54:29,670 --> 00:54:27,849

didn't sleep much you got off the plane

1301
00:54:33,660 --> 00:54:29,680
today didn't you got off this morning oh

1302
00:54:35,819 --> 00:54:33,670
you poor thing yeah so yeah listeners

1303
00:54:38,240 --> 00:54:35,829
might remember me banging on about the

1304
00:54:40,380 --> 00:54:38,250
bats and the connection between the Guam

1305
00:54:42,930 --> 00:54:40,390
indigenous people eating bats and

1306
00:54:44,549 --> 00:54:42,940
hitting and early onset ALS like

1307
00:54:47,519 --> 00:54:44,559
Parkinson's syndrome or the conference

1308
00:54:49,769 --> 00:54:47,529
was about that so that was necessary and

1309
00:54:51,749 --> 00:54:49,779
it's a very good to see that the chief

1310
00:54:54,140 --> 00:54:51,759
investigator from Australian skeptics

1311
00:54:57,029 --> 00:54:54,150
Ian Bryce is back with us from your

1312
00:55:01,440 --> 00:54:57,039
interesting trips overseas now you've

1313
00:55:03,359 --> 00:55:01,450

been to Korea China Tibet yes indeed the

1314

00:55:06,029 --> 00:55:03,369

first week was the International

1315

00:55:07,920 --> 00:55:06,039

astronautics Congress in South Korea

1316

00:55:09,930 --> 00:55:07,930

where I gave a couple of papers on

1317

00:55:11,640 --> 00:55:09,940

rocket science which is how I earned the

1318

00:55:13,049 --> 00:55:11,650

money that was interesting according to

1319

00:55:16,190 --> 00:55:13,059

your shirt you're wearing at the moment

1320

00:55:18,420 --> 00:55:16,200

rocket scientist yes and then I went to

1321

00:55:22,499 --> 00:55:18,430

Katmandu where I was an invited speaker

1322

00:55:25,319 --> 00:55:22,509

at a young humanists conference wow that

1323

00:55:28,589 --> 00:55:25,329

had a few connections with skeptics then

1324

00:55:30,750 --> 00:55:28,599

I flew to Tibet yeah and after that I

1325

00:55:33,480 --> 00:55:30,760

back through China good Heaven Hong Kong

1326
00:55:35,910 --> 00:55:33,490
back to Australia so senator bit of Asia

1327
00:55:38,190 --> 00:55:35,920
in this trip what an adventure what

1328
00:55:40,230 --> 00:55:38,200
adventure and it's a big welcome to Joe

1329
00:55:42,390 --> 00:55:40,240
and Benham ooh thank you dispatch from

1330
00:55:44,010 --> 00:55:42,400
the wild as you would have heard earlier

1331
00:55:47,400 --> 00:55:44,020
in the show of course the wild and

1332
00:55:49,500 --> 00:55:47,410
woolly amazing mind trip that is mind

1333
00:55:51,210 --> 00:55:49,510
body spirit yes and I feel a little bit

1334
00:55:55,950 --> 00:55:51,220
like dr. H at the moment I actually feel

1335
00:55:57,540 --> 00:55:55,960
jet-lagged up somehow I'm not surprised

1336
00:55:59,760 --> 00:55:57,550
somehow I'm not surprised good to see

1337
00:56:01,800 --> 00:55:59,770
you joke now but look before we get

1338
00:56:03,180 --> 00:56:01,810

started into some of the topics that our

1339

00:56:06,240 --> 00:56:03,190

friends have brought along to the think

1340

00:56:08,400 --> 00:56:06,250

tank tonight let me mention that the

1341

00:56:10,560 --> 00:56:08,410

Australian skeptics are now regulars

1342

00:56:13,740 --> 00:56:10,570

it's very very pleasing regulars on

1343

00:56:15,780 --> 00:56:13,750

radio 2 GB here in Sydney which is I

1344

00:56:19,110 --> 00:56:15,790

think the foremost commercial radio

1345

00:56:21,570 --> 00:56:19,120

network in in Sydney radio station 2 GB

1346

00:56:23,460 --> 00:56:21,580

is actually named after Jordan Oh Bruno

1347

00:56:25,590 --> 00:56:23,470

who was burnt at the stake by the

1348

00:56:27,750 --> 00:56:25,600

Catholic Church for promoting skepticism

1349

00:56:30,660 --> 00:56:27,760

about 400 years ago your absolute one of

1350

00:56:32,900 --> 00:56:30,670

our heroes you're absolutely right 2gb

1351

00:56:36,780 --> 00:56:32,910

that's where the G and the B come from

1352

00:56:38,460 --> 00:56:36,790

and two is the the radio business of New

1353

00:56:41,220 --> 00:56:38,470

South Wales the state were in at the

1354

00:56:43,770 --> 00:56:41,230

moment anyway um an old friend of mine

1355

00:56:46,770 --> 00:56:43,780

Glen wheeler who's a radio announcer nur

1356

00:56:49,260 --> 00:56:46,780

and a very good host has a new show on

1357

00:56:51,420 --> 00:56:49,270

Saturday nights and he invited me to

1358

00:56:54,330 --> 00:56:51,430

come along and see if we couldn't have a

1359

00:56:55,770 --> 00:56:54,340

skeptical input and our listeners would

1360

00:57:00,510 --> 00:56:55,780

have heard the first episode with the

1361

00:57:02,570 --> 00:57:00,520

raid she and I dr. H and I subsequently

1362

00:57:04,890 --> 00:57:02,580

I've been back to do another one I did

1363

00:57:06,690 --> 00:57:04,900

pre-record this afternoon I think we're

1364

00:57:09,000 --> 00:57:06,700

even back this saturday night so it's

1365

00:57:12,000 --> 00:57:09,010

going very well a big thank you to Glen

1366

00:57:15,060 --> 00:57:12,010

wheeler who has a very sharp mind a very

1367

00:57:17,010 --> 00:57:15,070

skeptical mind at heart and that's very

1368

00:57:19,340 --> 00:57:17,020

gratifying and good fun isn't it Reggie

1369

00:57:22,620 --> 00:57:19,350

it's great fun and it's also interesting

1370

00:57:26,150 --> 00:57:22,630

that that time slot used to be filled by

1371

00:57:29,760 --> 00:57:26,160

a psychic you do for 12 years actually

1372

00:57:31,350 --> 00:57:29,770

and it was recently the radio station

1373

00:57:33,180 --> 00:57:31,360

decided to just sort of shuffle around

1374

00:57:35,730 --> 00:57:33,190

their format a little bit just to

1375

00:57:38,520 --> 00:57:35,740

experiment and they filled the spot with

1376

00:57:40,530 --> 00:57:38,530

Glenulous well then well that will get

1377

00:57:41,850 --> 00:57:40,540

Glen wheeler who invited us along and

1378

00:57:44,190 --> 00:57:41,860

Glen has a sort of a

1379

00:57:45,960 --> 00:57:44,200

bag of entertainment and songs and

1380

00:57:49,250 --> 00:57:45,970

things so it's very good it's very good

1381

00:57:50,940 --> 00:57:49,260

indeed grateful apart from your

1382

00:57:54,210 --> 00:57:50,950

wonderful report from the

1383

00:57:56,340 --> 00:57:54,220

mind-body-spirit festival joe and that

1384

00:57:59,760 --> 00:57:56,350

was quite an experience wasn't I mean my

1385

00:58:01,380 --> 00:57:59,770

goodness me yes we went to one we went

1386

00:58:05,070 --> 00:58:01,390

to the last one in Sydney six months ago

1387

00:58:07,500 --> 00:58:05,080

and I I think I went along this time

1388

00:58:10,410 --> 00:58:07,510

last one was my first one so this one I

1389

00:58:12,800 --> 00:58:10,420

knew what I was in for but we both I

1390

00:58:15,990 --> 00:58:12,810

must say that this time we both later Oh

1391

00:58:18,120 --> 00:58:16,000

what is not guard down a little more

1392

00:58:20,640 --> 00:58:18,130

reserved directly i think last time we

1393

00:58:23,280 --> 00:58:20,650

went and dr. she was there with us that

1394

00:58:25,590 --> 00:58:23,290

time when we weren't more with the the

1395

00:58:28,860 --> 00:58:25,600

idea of really just asking questions in

1396

00:58:31,740 --> 00:58:28,870

a in a less obviously presenting

1397

00:58:33,600 --> 00:58:31,750

ourselves as skeptics i guess we jump we

1398

00:58:36,180 --> 00:58:33,610

just went in there sort of a bit

1399

00:58:38,160 --> 00:58:36,190

innocently to just talk see what people

1400

00:58:42,030 --> 00:58:38,170

said and not really challenged people

1401

00:58:44,610 --> 00:58:42,040

too much and I I think that for me

1402

00:58:47,310 --> 00:58:44,620

anyway my very first encounter just I

1403

00:58:49,710 --> 00:58:47,320

really couldn't you're shorter are you I

1404

00:58:51,570 --> 00:58:49,720

was right dr. H II a year or year and

1405

00:58:53,790 --> 00:58:51,580

half ago that was your experience wasn't

1406

00:58:56,460 --> 00:58:53,800

it yeah who's shaking you won't have a

1407

00:58:58,320 --> 00:58:56,470

angry that I was stated yeah yeah I had

1408

00:59:02,580 --> 00:58:58,330

to be shuffled off in the corner by you

1409

00:59:05,160 --> 00:59:02,590

and I remember yeah yeah I mean we were

1410

00:59:07,020 --> 00:59:05,170

there for all of five minutes and the

1411

00:59:09,360 --> 00:59:07,030

very first all I went up to i walked

1412

00:59:15,110 --> 00:59:09,370

away from it better I almost was

1413

00:59:18,060 --> 00:59:15,120

manhandled 44 simply questioning why

1414

00:59:19,650 --> 00:59:18,070

it's necessary to me isn't it isn't it

1415

00:59:21,060 --> 00:59:19,660

interesting and all the years I've gone

1416

00:59:24,150 --> 00:59:21,070

there and the one thing I've noticed is

1417

00:59:26,400 --> 00:59:24,160

they don't they don't know how to react

1418

00:59:28,800 --> 00:59:26,410

properly to questions no because people

1419

00:59:30,870 --> 00:59:28,810

don't ask people don't ask questions how

1420

00:59:33,819 --> 00:59:30,880

does it work a short works what if we

1421

00:59:37,209 --> 00:59:33,829

test it these are outside their

1422

00:59:39,099 --> 00:59:37,219

experience it's fascinating you've been

1423

00:59:41,259 --> 00:59:39,109

haven't you into the mind barrage body

1424

00:59:42,759 --> 00:59:41,269

spirit have indeed yes yeah yeah all the

1425

00:59:44,019 --> 00:59:42,769

gaming world all together and thinks

1426

00:59:45,370 --> 00:59:44,029

that the laws of science must be

1427

00:59:49,089 --> 00:59:45,380

different there than the rest of the

1428

00:59:51,370 --> 00:59:49,099

world Orion's science what's that well

1429

00:59:53,380 --> 00:59:51,380

actually exercise she depends sorry you

1430

00:59:54,759 --> 00:59:53,390

know you go that depends on what suits

1431

00:59:56,979 --> 00:59:54,769

them Richard they'll use the scientific

1432

00:59:58,900 --> 00:59:56,989

suits there cause even doesn't stick

1433

01:00:00,609 --> 00:59:58,910

their course are just physically in fact

1434

01:00:02,469 --> 01:00:00,619

in fact everyone's using quantum theory

1435

01:00:04,870 --> 01:00:02,479

right exactly and in fact I did notice

1436

01:00:06,910 --> 01:00:04,880

this year that the the use of scientific

1437

01:00:10,959 --> 01:00:06,920

term it or not terminology seem to be

1438

01:00:15,180 --> 01:00:10,969

more blatant than well I have abs bag

1439

01:00:17,890 --> 01:00:15,190

full of fliers and leaflets actually

1440

01:00:22,029 --> 01:00:17,900

from them oh here we go here's a

1441

01:00:24,819 --> 01:00:22,039

favorite of yours dr. AG team of you

1442

01:00:26,979 --> 01:00:24,829

live blood analysis live blood analysis

1443

01:00:28,690 --> 01:00:26,989

we hadn't run in with these people the

1444

01:00:30,309 --> 01:00:28,700

very first time I went I think because

1445

01:00:32,829 --> 01:00:30,319

they claimed it was scientifically

1446

01:00:34,630 --> 01:00:32,839

tested didn't they when we asked him for

1447

01:00:36,009 --> 01:00:34,640

evidence they they got really agree with

1448

01:00:40,109 --> 01:00:36,019

doctors or if we were from the

1449

01:00:41,829 --> 01:00:40,119

government yeah Reconnective healing Oh

1450

01:00:44,559 --> 01:00:41,839

reconnective healing that was an

1451
01:00:46,719 --> 01:00:44,569
interesting one yeah we had we had just

1452
01:00:49,209 --> 01:00:46,729
most fascinating experience talking to

1453
01:00:51,729 --> 01:00:49,219
these people where you know they claim

1454
01:00:53,680 --> 01:00:51,739
that by waving their hands over you they

1455
01:00:55,059 --> 01:00:53,690
can heal you and so on and it's the

1456
01:00:57,459 --> 01:00:55,069
usual stuff of just about every other

1457
01:01:01,390 --> 01:00:57,469
you know therapeutic touch and Reiki and

1458
01:01:03,640 --> 01:01:01,400
all them and when we actually challenged

1459
01:01:05,680 --> 01:01:03,650
them and said look we offered them the

1460
01:01:07,120 --> 01:01:05,690
the you know the Australians get this

1461
01:01:08,799 --> 01:01:07,130
hundred thousand dollar challenge and

1462
01:01:11,009 --> 01:01:08,809
said to them that it would be quite

1463
01:01:14,109 --> 01:01:11,019

simple to test their claims and and

1464

01:01:16,449 --> 01:01:14,119

their response was that they couldn't

1465

01:01:18,759 --> 01:01:16,459

see why they should do a simple test

1466

01:01:21,400 --> 01:01:18,769

when it made far more sense to do a very

1467

01:01:23,829 --> 01:01:21,410

complicated one given their treatment is

1468

01:01:25,599 --> 01:01:23,839

very complicated so at that point

1469

01:01:28,479 --> 01:01:25,609

Richard and I just shook our heads and

1470

01:01:31,539 --> 01:01:28,489

walked away yeah but at least we gave

1471

01:01:36,759 --> 01:01:31,549

them the card yeah we also gave our card

1472

01:01:38,739 --> 01:01:36,769

to the execution cell fusion Excel

1473

01:01:43,329 --> 01:01:38,749

fusion excel with their quantum pendant

1474

01:01:45,620 --> 01:01:43,339

that turns normal drinking water into

1475

01:01:48,620 --> 01:01:45,630

you rub it on your skin and it blocks

1476

01:01:52,849 --> 01:01:48,630

the sun's rays that's the lady the lady

1477

01:01:54,620 --> 01:01:52,859

who was was helping run the store she

1478

01:01:57,439 --> 01:01:54,630

told us that she uses this on her

1479

01:01:59,959 --> 01:01:57,449

grandchildren because she doesn't want

1480

01:02:01,939 --> 01:01:59,969

to expose them to the nasty chemicals in

1481

01:02:04,429 --> 01:02:01,949

sunscreen so well of course there's no

1482

01:02:09,189 --> 01:02:04,439

problem with skin cancer in Australia

1483

01:02:11,719 --> 01:02:09,199

right now no not at all well in fact as

1484

01:02:14,779 --> 01:02:11,729

dr. Rachel bought to my attention last

1485

01:02:17,419 --> 01:02:14,789

time the New South Wales Department of

1486

01:02:19,729 --> 01:02:17,429

Health now has it has had for quite a

1487

01:02:21,999 --> 01:02:19,739

long time actually a code of conduct for

1488

01:02:23,929 --> 01:02:22,009

unregistered non-registered health

1489

01:02:27,199 --> 01:02:23,939

practitioners normally professionals

1490

01:02:29,630 --> 01:02:27,209

whatever they call themselves and it's

1491

01:02:31,009 --> 01:02:29,640

it's mandatory that they display this

1492

01:02:33,319 --> 01:02:31,019

code of conduct anywhere where they

1493

01:02:35,479 --> 01:02:33,329

carry out their treatments and how many

1494

01:02:37,339 --> 01:02:35,489

did you pay I played I played fine

1495

01:02:39,799 --> 01:02:37,349

though I played code of conduct bingo

1496

01:02:42,199 --> 01:02:39,809

and Rachel how many hands can you count

1497

01:02:44,059 --> 01:02:42,209

on it which I found yes Rachel guess how

1498

01:02:46,069 --> 01:02:44,069

many had the code of feedback and wait

1499

01:02:51,199 --> 01:02:46,079

let me let me use riches little it rise

1500

01:02:54,140 --> 01:02:51,209

with zero isn't that surprising yeah I

1501

01:02:56,630 --> 01:02:54,150

was a tox just shot it right up there in

1502

01:02:58,279 --> 01:02:56,640

in the very beginning of the code of

1503

01:03:01,459 --> 01:02:58,289

conduct which was introduced in August

1504

01:03:03,259 --> 01:03:01,469

2008 by the Health Department of New

1505

01:03:05,589 --> 01:03:03,269

South Wales which is an amendment to the

1506

01:03:08,509 --> 01:03:05,599

Public Health Act of nineteen eighty-one

1507

01:03:10,999 --> 01:03:08,519

clearly saying that you must display

1508

01:03:14,359 --> 01:03:11,009

this wherever you are doing alternative

1509

01:03:18,769 --> 01:03:14,369

health practitioner treatments yeah but

1510

01:03:20,449 --> 01:03:18,779

um the point is do you think they can do

1511

01:03:22,370 --> 01:03:20,459

you think that doesn't matter if they

1512

01:03:23,719 --> 01:03:22,380

care because no one's policing it so

1513

01:03:25,669 --> 01:03:23,729

what's that's what that's what I mean

1514

01:03:28,160 --> 01:03:25,679

I'm sorry when I was once when I think

1515

01:03:30,620 --> 01:03:28,170

when I said to do do you think they care

1516

01:03:31,849 --> 01:03:30,630

I'm into health authorities I'll sorry I

1517

01:03:33,410 --> 01:03:31,859

thought you met the practitioners I

1518

01:03:34,759 --> 01:03:33,420

don't care but the hell of a sorry thank

1519

01:03:36,559 --> 01:03:34,769

you I think my health authorities are

1520

01:03:38,929 --> 01:03:36,569

probably going they have other things

1521

01:03:40,759 --> 01:03:38,939

other things to deal with I think given

1522

01:03:43,039 --> 01:03:40,769

this later this I'd be a goldmine of

1523

01:03:44,989 --> 01:03:43,049

prosecutions for them yeah but they

1524

01:03:47,059 --> 01:03:44,999

don't have the the reserves and

1525

01:03:48,650 --> 01:03:47,069

resources they don't well then then

1526

01:03:50,719 --> 01:03:48,660

we're forced to turn to tabloid

1527

01:03:51,859 --> 01:03:50,729

television yeah which is unfortunate

1528

01:03:53,300 --> 01:03:51,869

because in fact the tab the waste thing

1529

01:03:55,130 --> 01:03:53,310

about the tabloid television is that

1530

01:03:56,990 --> 01:03:55,140

wait they'll be condemning it in the

1531

01:03:58,730 --> 01:03:57,000

next week will be promoting well what

1532

01:04:00,440 --> 01:03:58,740

they'll probably do if they do the story

1533

01:04:02,900 --> 01:04:00,450

at all they will find people who think

1534

01:04:05,210 --> 01:04:02,910

it works hmm but try telling that to

1535

01:04:07,490 --> 01:04:05,220

Mughal Scroggins who says that cured her

1536

01:04:09,530 --> 01:04:07,500

well I mean always do stories like that

1537

01:04:11,690 --> 01:04:09,540

though well maybe I'm being unfair I

1538

01:04:16,010 --> 01:04:11,700

mean I think one of the things that um I

1539

01:04:17,900 --> 01:04:16,020

really feel bothered buys you know we're

1540

01:04:20,360 --> 01:04:17,910

very conscious of the fact of the a

1541

01:04:23,480 --> 01:04:20,370

certain language that these people avoid

1542

01:04:26,170 --> 01:04:23,490

using to avoid getting getting in

1543

01:04:28,280 --> 01:04:26,180

trouble oh the guy with the cancer yeah

1544

01:04:30,050 --> 01:04:28,290

about him before and you know that

1545

01:04:32,270 --> 01:04:30,060

they'll they'll never use words like

1546

01:04:35,420 --> 01:04:32,280

cure but they they will happily use

1547

01:04:37,580 --> 01:04:35,430

words like treat or pure heal he said

1548

01:04:41,570 --> 01:04:37,590

his stuff kills cancer and in fact this

1549

01:04:43,820 --> 01:04:41,580

is a guy who we discussed before and

1550

01:04:45,770 --> 01:04:43,830

I've written about before and he um I

1551

01:04:50,510 --> 01:04:45,780

know I know he's like ones that makes

1552

01:04:53,570 --> 01:04:50,520

doctor rate she almost explode and that

1553

01:04:55,700 --> 01:04:53,580

this is a guy who is selling a mixture

1554

01:04:58,130 --> 01:04:55,710

of various potions that he claims will

1555

01:05:00,410 --> 01:04:58,140

will kill the cancer cells and when I

1556

01:05:02,360 --> 01:05:00,420

challenged him on this and I said to him

1557

01:05:06,230 --> 01:05:02,370

so you're telling me that you know that

1558

01:05:08,330 --> 01:05:06,240

this can cure cancer and his sidekick

1559

01:05:10,370 --> 01:05:08,340

sidle up to me and they both sort of

1560

01:05:12,560 --> 01:05:10,380

whack the things I mean said oh no no no

1561

01:05:14,090 --> 01:05:12,570

that's not what we're saying it will

1562

01:05:16,640 --> 01:05:14,100

kill the cat it will kill the cancer

1563

01:05:18,250 --> 01:05:16,650

cells but no no no no we never said that

1564

01:05:20,570 --> 01:05:18,260

we never said it would cure the cancer

1565

01:05:22,220 --> 01:05:20,580

so they're really really careful you

1566

01:05:23,690 --> 01:05:22,230

bash them you push them like I did use

1567

01:05:26,800 --> 01:05:23,700

them on and I guess the thing that

1568

01:05:29,900 --> 01:05:26,810

bothers me is I mean really it's just

1569

01:05:33,170 --> 01:05:29,910

splitting hairs I mean you cannot tell

1570

01:05:35,330 --> 01:05:33,180

me that a naive person who walks up to

1571

01:05:37,400 --> 01:05:35,340

these people and sees them using words

1572

01:05:41,120 --> 01:05:37,410

like heal and treat I'm not going to

1573

01:05:43,160 --> 01:05:41,130

associate that innate yes aids as well

1574

01:05:44,840 --> 01:05:43,170

as aids too and I wasn't an interesting

1575

01:05:47,060 --> 01:05:44,850

Joe that when we were there there was a

1576

01:05:49,970 --> 01:05:47,070

woman next to us also listening to what

1577

01:05:51,950 --> 01:05:49,980

this guy said and she was actually

1578

01:05:54,140 --> 01:05:51,960

asking my questions it was really

1579

01:05:55,580 --> 01:05:54,150

interesting as we twig didn't we did we

1580

01:05:58,730 --> 01:05:55,590

were listening to what she was saying

1581

01:06:00,500 --> 01:05:58,740

and um and it very very quickly we could

1582

01:06:02,180 --> 01:06:00,510

tell that this was someone who was

1583

01:06:02,960 --> 01:06:02,190

actually asking questions because they

1584

01:06:04,550 --> 01:06:02,970

that

1585

01:06:07,970 --> 01:06:04,560

knew there was something fishy going on

1586

01:06:09,470 --> 01:06:07,980

and in fact we then sort of whispering

1587

01:06:10,580 --> 01:06:09,480

each other on as we were questioning him

1588

01:06:13,940 --> 01:06:10,590

and then when we walked away she

1589

01:06:16,220 --> 01:06:13,950

actually asked what what you know we

1590

01:06:18,260 --> 01:06:16,230

were there for and she said that you

1591

01:06:20,570 --> 01:06:18,270

know she had a friend who had cancer and

1592

01:06:24,560 --> 01:06:20,580

who had started taking all manner of

1593

01:06:27,370 --> 01:06:24,570

bizarre bazaar treatments that had been

1594

01:06:31,580 --> 01:06:27,380

englished on him by people so very sad

1595

01:06:34,100 --> 01:06:31,590

thinking of testing Johnny yes I've got

1596

01:06:36,350 --> 01:06:34,110

an article here wet which we discussed

1597

01:06:39,140 --> 01:06:36,360

over dinner which is about complementary

1598

01:06:41,990 --> 01:06:39,150

medicine oh yes and it so it was

1599

01:06:44,150 --> 01:06:42,000

released on the 9th of November and is

1600

01:06:46,340 --> 01:06:44,160

talking about the fact that the EU or

1601
01:06:50,870 --> 01:06:46,350
the European Union is now going to be

1602
01:06:53,030 --> 01:06:50,880
funding 1.5 million euro or 2.25 million

1603
01:06:57,710 --> 01:06:53,040
australian dollars worth of research

1604
01:07:00,050 --> 01:06:57,720
into cam yes but some an utter waste of

1605
01:07:01,580 --> 01:07:00,060
money well it's going to be a three-year

1606
01:07:07,040 --> 01:07:01,590
project and it's going to be called can

1607
01:07:09,920 --> 01:07:07,050
briella yeah genius which is just

1608
01:07:12,650 --> 01:07:09,930
batshit my name is noise I'm Ellen

1609
01:07:14,810 --> 01:07:12,660
Camarilla because it's you know it's

1610
01:07:18,200 --> 01:07:14,820
covering the compliment whole tournament

1611
01:07:20,090 --> 01:07:18,210
Reller umbrella yeah I mean look I I

1612
01:07:22,100 --> 01:07:20,100
don't want to immediately sound like I'm

1613
01:07:24,950 --> 01:07:22,110

sneering at the idea of doing research

1614

01:07:27,380 --> 01:07:24,960

into alternative treatments because as

1615

01:07:30,800 --> 01:07:27,390

we know doing research into things tells

1616

01:07:32,750 --> 01:07:30,810

us when things perhaps do work but as I

1617

01:07:35,030 --> 01:07:32,760

know it's all the research has already

1618

01:07:37,100 --> 01:07:35,040

been done well that's why I mean it

1619

01:07:38,690 --> 01:07:37,110

what's new what's new Under the Sun when

1620

01:07:42,140 --> 01:07:38,700

a good night there's nothing new I mean

1621

01:07:46,040 --> 01:07:42,150

it's not that with you know poo pooing

1622

01:07:47,360 --> 01:07:46,050

the idea of investigating claims but

1623

01:07:49,220 --> 01:07:47,370

when the claims have all been looked at

1624

01:07:51,700 --> 01:07:49,230

complete when I mean when when things

1625

01:07:54,590 --> 01:07:51,710

like homeopathy have been on Astra bleah

1626

01:07:56,410 --> 01:07:54,600

unquestionably completely thrown out as

1627

01:07:59,030 --> 01:07:56,420

having any evidence based on whatsoever

1628

01:08:00,590 --> 01:07:59,040

why invest money in it well I mean on

1629

01:08:01,940 --> 01:08:00,600

top of that the National Center for

1630

01:08:06,650 --> 01:08:01,950

Complementary and alternative medicine

1631

01:08:09,050 --> 01:08:06,660

which is set up by the NIH has they

1632

01:08:09,710 --> 01:08:09,060

spent something like 2.5 billion dollars

1633

01:08:16,010 --> 01:08:09,720

in

1634

01:08:18,740 --> 01:08:16,020

rhyme with Richard it runs with hero

1635

01:08:21,680 --> 01:08:18,750

yeah so they came up with no efficacy or

1636

01:08:23,870 --> 01:08:21,690

not more of the complimentary modalities

1637

01:08:26,599 --> 01:08:23,880

that they looked at and but this is

1638

01:08:29,539 --> 01:08:26,609

going to be a group which is going to be

1639

01:08:31,579 --> 01:08:29,549

run from Germany hmm you know the funny

1640

01:08:33,530 --> 01:08:31,589

thing is i think it was Scott Hurst on

1641

01:08:37,550 --> 01:08:33,540

Twitter yesterday just he obviously had

1642

01:08:40,579 --> 01:08:37,560

a brain explosion just twittered why is

1643

01:08:42,709 --> 01:08:40,589

it that all the research into cam is not

1644

01:08:45,200 --> 01:08:42,719

being paid for by the practitioners or

1645

01:08:47,930 --> 01:08:45,210

the people involved and it's no big

1646

01:08:51,950 --> 01:08:47,940

never is I mean this is the EU the ncc

1647

01:08:54,459 --> 01:08:51,960

am well I think I think yeah I think I

1648

01:08:57,410 --> 01:08:54,469

think I'm not a bit a little bit of a

1649

01:09:00,320 --> 01:08:57,420

possible answer for why that is what was

1650

01:09:02,959 --> 01:09:00,330

our experience at mind-body wallet every

1651
01:09:05,300 --> 01:09:02,969
time we we questioned anyone they would

1652
01:09:07,519 --> 01:09:05,310
say on doing research into their

1653
01:09:11,749 --> 01:09:07,529
treatment they would throw it back on us

1654
01:09:13,849 --> 01:09:11,759
that was somehow up to us to show that

1655
01:09:15,800 --> 01:09:13,859
their treatment didn't work yeah it was

1656
01:09:17,390 --> 01:09:15,810
not up to them to show you how to do one

1657
01:09:18,979 --> 01:09:17,400
attending the ACE Awards in the

1658
01:09:21,019 --> 01:09:18,989
Starlight auditorium could try to make

1659
01:09:23,300 --> 01:09:21,029
way through and show us about to

1660
01:09:25,099 --> 01:09:23,310
recommence that's the ACE Awards in the

1661
01:09:27,470 --> 01:09:25,109
auditorium / trying to make way through

1662
01:09:31,729 --> 01:09:27,480
as shows Batman speaking well it's not a

1663
01:09:33,860 --> 01:09:31,739

bus announcement I guess um no I I think

1664

01:09:35,240 --> 01:09:33,870

that I'm really they just simply don't

1665

01:09:36,890 --> 01:09:35,250

actually think they have to demonstrate

1666

01:09:38,539 --> 01:09:36,900

it but you know what's convenient about

1667

01:09:40,700 --> 01:09:38,549

that Joe is that for example with

1668

01:09:46,700 --> 01:09:40,710

homeopathy for example I just repeated

1669

01:09:48,140 --> 01:09:46,710

myself apologies say begins jet lag

1670

01:09:51,459 --> 01:09:48,150

photos cards are you know what's

1671

01:09:54,520 --> 01:09:51,469

interesting about that time is that um

1672

01:09:57,500 --> 01:09:54,530

what I was gonna say Oh with homeopathy

1673

01:09:59,690 --> 01:09:57,510

people will say practitioners will say

1674

01:10:01,130 --> 01:09:59,700

but we haven't done enough testing yet

1675

01:10:02,750 --> 01:10:01,140

you know they'll say there's only been

1676

01:10:06,440 --> 01:10:02,760

two hundred years but we need to do more

1677

01:10:08,600 --> 01:10:06,450

testing when do you stop back after 200

1678

01:10:10,729 --> 01:10:08,610

years of scientific experiments they

1679

01:10:12,380 --> 01:10:10,739

then decide that that hasn't been enough

1680

01:10:14,120 --> 01:10:12,390

but then you're telling me that they say

1681

01:10:16,040 --> 01:10:14,130

we don't want to do that yes we don't

1682

01:10:18,140 --> 01:10:16,050

need to do that so although they'll

1683

01:10:19,410 --> 01:10:18,150

bleat about how much money real medicine

1684

01:10:21,750 --> 01:10:19,420

makes exactly

1685

01:10:23,550 --> 01:10:21,760

didn't we tell some people could have

1686

01:10:24,900 --> 01:10:23,560

been those nurses it was those nests and

1687

01:10:27,390 --> 01:10:24,910

was those nurses who were peddling

1688

01:10:29,550 --> 01:10:27,400

rubbish that we said to them but don't

1689

01:10:31,800 --> 01:10:29,560

you realize how much money alternative

1690

01:10:34,169 --> 01:10:31,810

medicine makes it's a multi-billion

1691

01:10:36,470 --> 01:10:34,179

dollar industry in the skeptics I was

1692

01:10:38,669 --> 01:10:36,480

investigating a fuel polarizing device

1693

01:10:40,919 --> 01:10:38,679

produced by an inventor called Norman

1694

01:10:43,110 --> 01:10:40,929

dodge consisted a very strongly magnets

1695

01:10:44,370 --> 01:10:43,120

that you clamp clamped around the fuel

1696

01:10:46,320 --> 01:10:44,380

line of your car and it saved youth

1697

01:10:49,560 --> 01:10:46,330

thirty percent of fuel and reduced to

1698

01:10:51,300 --> 01:10:49,570

emissions and so forth and I said Norman

1699

01:10:53,669 --> 01:10:51,310

what evidence have you got that these

1700

01:10:54,990 --> 01:10:53,679

magnets do anything to the fuel and he

1701

01:10:57,270 --> 01:10:55,000

said well he is reaching his bag and

1702

01:10:58,620 --> 01:10:57,280

pulled out a couple of magnets and said

1703

01:11:08,070 --> 01:10:58,630

look they're so strong they must do

1704

01:11:09,720 --> 01:11:08,080

something to him was evidence idolized

1705

01:11:11,939 --> 01:11:09,730

do you say though in support of the fact

1706

01:11:13,950 --> 01:11:11,949

that pharmaceutical companies make a lot

1707

01:11:16,020 --> 01:11:13,960

of money and the ones denies that no one

1708

01:11:19,410 --> 01:11:16,030

denies well to do a lot of people deny

1709

01:11:22,560 --> 01:11:19,420

that can does Joe what's would this is a

1710

01:11:26,370 --> 01:11:22,570

huge blue newspaper always different

1711

01:11:28,320 --> 01:11:26,380

what about this all about oh my husband

1712

01:11:30,390 --> 01:11:28,330

actually picked this up for Central

1713

01:11:33,000 --> 01:11:30,400

Station today and it seems like the

1714

01:11:36,360 --> 01:11:33,010

Scientologists are hard at work trying

1715

01:11:39,030 --> 01:11:36,370

to get their their propaganda out there

1716

01:11:43,530 --> 01:11:39,040

at the moment what's what's it's like a

1717

01:11:45,860 --> 01:11:43,540

big newspaper clear mind clear body

1718

01:11:48,930 --> 01:11:45,870

we're not in line it's all about the

1719

01:11:50,970 --> 01:11:48,940

Scientology purification rundown mmm

1720

01:11:52,800 --> 01:11:50,980

I've taken a few hits of late they have

1721

01:11:55,290 --> 01:11:52,810

they have some wonder whether they're

1722

01:11:57,930 --> 01:11:55,300

and their lead article is by I ron

1723

01:12:01,200 --> 01:11:57,940

hubbard hmm is he still alive i think

1724

01:12:02,340 --> 01:12:01,210

perhaps this area yes someone whom well

1725

01:12:04,740 --> 01:12:02,350

I tell you ever got here a little

1726

01:12:08,370 --> 01:12:04,750

questionnaire climb toll just want to

1727

01:12:11,820 --> 01:12:08,380

ask us oh yes so I'll just want to know

1728

01:12:13,500 --> 01:12:11,830

how toxic are you okay with this test

1729

01:12:15,180 --> 01:12:13,510

and find out why don't we all take this

1730

01:12:18,660 --> 01:12:15,190

survey ready they have their calendars

1731

01:12:20,880 --> 01:12:18,670

do it okay have you felt fatigued now

1732

01:12:23,790 --> 01:12:20,890

and then for no apparent reason oh yes

1733

01:12:26,220 --> 01:12:23,800

yes yeah do you ever feel wooden or

1734

01:12:29,280 --> 01:12:26,230

lifeless yes yes have you ever

1735

01:12:30,660 --> 01:12:29,290

experienced drunk flashbacks wait a

1736

01:12:33,689 --> 01:12:30,670

second what

1737

01:12:36,240 --> 01:12:33,699

yes alright let's leave that believe it

1738

01:12:39,150 --> 01:12:36,250

sorry do you feel less an earth than you

1739

01:12:40,979 --> 01:12:39,160

used to yes yes d sometimes get a

1740

01:12:42,990 --> 01:12:40,989

feeling of lightheadedness or a feeling

1741

01:12:47,370 --> 01:12:43,000

of being spaced out I'll have another

1742

01:12:49,950 --> 01:12:47,380

glass of show do you mean do you feel

1743

01:12:52,350 --> 01:12:49,960

irritable with that reason or cause yes

1744

01:12:55,020 --> 01:12:52,360

yes do you have unexplained aches and

1745

01:12:57,240 --> 01:12:55,030

pains ouch yeah you find it difficult to

1746

01:12:59,880 --> 01:12:57,250

get excited about people and things yes

1747

01:13:02,490 --> 01:12:59,890

yes do you find you feel anxious but

1748

01:13:04,169 --> 01:13:02,500

don't know why yes do you have trouble

1749

01:13:05,610 --> 01:13:04,179

learning new things even when you're

1750

01:13:10,410 --> 01:13:05,620

interested in them can you repeat that

1751

01:13:12,419 --> 01:13:10,420

do you Allen move on my own yeah well

1752

01:13:16,290 --> 01:13:12,429

then yes you've answered yes to all

1753

01:13:20,580 --> 01:13:16,300

these questions yes in Asia purification

1754

01:13:23,370 --> 01:13:20,590

rundown Ian what do you have to tell us

1755

01:13:26,459 --> 01:13:23,380

about your amazing adventures okay cup

1756

01:13:28,979 --> 01:13:26,469

of things over there out of the purpose

1757

01:13:30,810 --> 01:13:28,989

of holding the conference in Nepal with

1758

01:13:33,800 --> 01:13:30,820

such conference was that it's the

1759

01:13:37,490 --> 01:13:33,810

international humanist and ethical youth

1760

01:13:40,470 --> 01:13:37,500

organization all right hey oh oh and

1761

01:13:42,900 --> 01:13:40,480

they the international humanist group

1762

01:13:44,700 --> 01:13:42,910

runs a program in the ball in Nepal to

1763

01:13:46,439 --> 01:13:44,710

try and improve life in the villages and

1764

01:13:48,510 --> 01:13:46,449

the main purpose is to eliminate

1765

01:13:50,910 --> 01:13:48,520

superstition and they've got a traveling

1766

01:13:53,280 --> 01:13:50,920

group that goes around performing magic

1767

01:13:55,560 --> 01:13:53,290

for the kids and basically duplicating

1768

01:13:58,290 --> 01:13:55,570

the tricks of all the god men who claim

1769

01:14:00,660 --> 01:13:58,300

to listen is under lives handle dhryn

1770

01:14:04,740 --> 01:14:00,670

listeners may world go to google and

1771

01:14:06,540 --> 01:14:04,750

type in guru busters guru busters as a

1772

01:14:08,700 --> 01:14:06,550

video which is by the indian

1773

01:14:11,100 --> 01:14:08,710

rationalists who go around busting the

1774

01:14:13,709 --> 01:14:11,110

Godman willwerth look this particular

1775

01:14:16,110 --> 01:14:13,719

group goes to schools in the outlying

1776

01:14:17,580 --> 01:14:16,120

villages of Nepal and demonstrates to

1777

01:14:19,020 --> 01:14:17,590

the kids do a little song and dance free

1778

01:14:21,780 --> 01:14:19,030

magic tricks to teach the kids some

1779

01:14:24,479 --> 01:14:21,790

magic tricks to take home and hopefully

1780

01:14:26,760 --> 01:14:24,489

proofs them against superstitious

1781

01:14:29,010 --> 01:14:26,770

beliefs so they can improve their future

1782

01:14:31,860 --> 01:14:29,020

with a scientifically very much like our

1783

01:14:36,000 --> 01:14:31,870

local mystery mystery investigators

1784

01:14:38,300 --> 01:14:36,010

you heard of them dr. 18 ever okay there

1785

01:14:40,740 --> 01:14:38,310

was early snow in Beijing towards

1786

01:14:43,110 --> 01:14:40,750

developing early november this year when

1787

01:14:45,780 --> 01:14:43,120

i was there and the Chinese government

1788

01:14:48,330 --> 01:14:45,790

attributed that snow to their snow

1789

01:14:50,250 --> 01:14:48,340

making activities there are planes that

1790

01:14:51,960 --> 01:14:50,260

dropped silver iodide crystals in the

1791

01:14:53,820 --> 01:14:51,970

clouds I remember them talking about

1792

01:14:56,550 --> 01:14:53,830

that during the Olympic search is how

1793

01:14:58,710 --> 01:14:56,560

they're going to be yum the Australian

1794

01:15:00,870 --> 01:14:58,720

csir I was trying to do that about 50

1795

01:15:02,850 --> 01:15:00,880

years ago and concluded that there was

1796

01:15:04,980 --> 01:15:02,860

no evidence that the their activities

1797

01:15:06,930 --> 01:15:04,990

made any difference to the rainfall and

1798

01:15:08,190 --> 01:15:06,940

snowfall that being around men veined

1799

01:15:09,810 --> 01:15:08,200

anyway but anywhere the Chinese are

1800

01:15:11,820 --> 01:15:09,820

claiming that there is a connection

1801

01:15:13,880 --> 01:15:11,830

there maybe they're right scientific

1802

01:15:18,300 --> 01:15:13,890

evidence would be the way to tell and

1803

01:15:21,570 --> 01:15:18,310

finally we heard about the Iraqi

1804

01:15:25,680 --> 01:15:21,580

security forces as the NATO forces are

1805

01:15:28,080 --> 01:15:25,690

withdrawing who have been buying bomb

1806

01:15:30,840 --> 01:15:28,090

detecting devices operate on the same

1807

01:15:32,520 --> 01:15:30,850

principle as water divining this is

1808

01:15:34,290 --> 01:15:32,530

quite a big story thinking about it

1809

01:15:36,090 --> 01:15:34,300

literally seven million dollars they've

1810

01:15:38,610 --> 01:15:36,100

spent on them so far on these devices

1811

01:15:40,560 --> 01:15:38,620

that you wave over the car and then it's

1812

01:15:43,200 --> 01:15:40,570

entirely up to the operator whether he

1813

01:15:46,410 --> 01:15:43,210

senses the peasant machines telling him

1814

01:15:48,960 --> 01:15:46,420

there's a bomb in the car on this is the

1815

01:15:51,300 --> 01:15:48,970

dark side of the the same thinking

1816

01:15:54,510 --> 01:15:51,310

behind water divining listeners may also

1817

01:15:56,730 --> 01:15:54,520

wish to visit the website of the James

1818

01:15:59,460 --> 01:15:56,740

Randi Educational Foundation where James

1819

01:16:01,200 --> 01:15:59,470

Randi has reposted an article about this

1820

01:16:03,990 --> 01:16:01,210

he made a few years ago where he

1821

01:16:10,380 --> 01:16:04,000

actually just says this is fake fraud it

1822

01:16:11,850 --> 01:16:10,390

doesn't work very sad hmm anyway well

1823

01:16:13,680 --> 01:16:11,860

thank you everybody for coming along

1824

01:16:17,100 --> 01:16:13,690

what a fascinating think tank it was

1825

01:16:19,350 --> 01:16:17,110

most enjoyable I must once again once

1826

01:16:22,290 --> 01:16:19,360

again thank Alyssa Goldberg in New York

1827

01:16:27,730 --> 01:16:22,300

thank you we've consumed Lisa we've

1828

01:16:32,630 --> 01:16:31,130

yes sir that was all okay I did for me

1829

01:16:34,840 --> 01:16:32,640

learning to the end the skeptical

1830

01:16:37,910 --> 01:16:34,850

investigation in the bottle of champagne

1831

01:16:40,100 --> 01:16:37,920

Alyssa in New York I don't know if I'm

1832

01:16:42,290 --> 01:16:40,110

Madison Alyssa please write to it dry to

1833

01:16:44,150 --> 01:16:42,300

dr. H E which is what's your email

1834

01:16:47,150 --> 01:16:44,160

address at the skeptics and Rachel at

1835

01:16:49,730 --> 01:16:47,160

skeptics on TV that is otherwise I'm

1836

01:16:52,210 --> 01:16:49,740

gonna be in New York in a few weeks no

1837

01:16:55,130 --> 01:16:52,220

Joe you can catch up with a miserable

1838

01:16:58,010 --> 01:16:55,140

listeners in New York um please have

1839

01:17:01,400 --> 01:16:58,020

sundin in London yes visit the skeptics

1840

01:17:05,390 --> 01:17:01,410

own website and Chicago anywhere as

1841

01:17:07,280 --> 01:17:05,400

possible I did ask please visit the

1842

01:17:09,200 --> 01:17:07,290

skeptics own website look for the

1843

01:17:11,390 --> 01:17:09,210

contact pages and you can write to Joe

1844

01:17:14,600 --> 01:17:11,400

mm-hmm she's going to be traveling every

1845

01:17:16,580 --> 01:17:14,610

other every major city in the orders and

1846

01:17:19,880 --> 01:17:16,590

you can meet Joe Benna move from the

1847

01:17:22,280 --> 01:17:19,890

skeptics own podcast ah well look no

1848

01:17:24,290 --> 01:17:22,290

it's fabulous thing think I've really

1849

01:17:25,840 --> 01:17:24,300

enjoyed it no bus announcements but you

1850

01:17:28,490 --> 01:17:25,850

can't have them all you can have it all

1851
01:17:30,080 --> 01:17:28,500
thank you very much Joe for coming on

1852
01:17:32,570 --> 01:17:30,090
thank you to the other side of the

1853
01:17:35,510 --> 01:17:32,580
harbor the other side yes thank you ian

1854
01:17:38,060 --> 01:17:35,520
bryce for coming along welcome and dr.

1855
01:17:39,740 --> 01:17:38,070
rachey battling jet lag because she just

1856
01:17:42,950 --> 01:17:39,750
got off the plane this morning from

1857
01:17:45,740 --> 01:17:42,960
miami and she's been numbed by miami

1858
01:17:47,270 --> 01:17:45,750
mosquitoes they're covered in scabs and

1859
01:17:50,990 --> 01:17:47,280
my ankles are swollen that's incredible

1860
01:17:53,990 --> 01:17:51,000
it is about what 30 mosquito bite on her

1861
01:17:56,380 --> 01:17:54,000
foot on one foot alone and her ankles

1862
01:17:59,120 --> 01:17:56,390
are swollen from obviously very tasty I

1863
01:18:01,460 --> 01:17:59,130

think so my twitter friends have seen

1864

01:18:03,470 --> 01:18:01,470

the pictures yes yes it's how can you

1865

01:18:06,350 --> 01:18:03,480

live pictures what's your twitter again

1866

01:18:09,920 --> 01:18:06,360

dr. gene doctor right add dr. agur i'm

1867

01:18:12,230 --> 01:18:09,930

at joe been hmoo benh am you and I don't

1868

01:18:13,940 --> 01:18:12,240

think he embraced his twitter and if I'm

1869

01:18:15,620 --> 01:18:13,950

everybody has a website called world's

1870

01:18:18,470 --> 01:18:15,630

truth day

1871

01:18:21,800 --> 01:18:18,480

truth table and the skeptic zone is of

1872

01:18:23,959 --> 01:18:21,810

course twitter at skeptics out and on

1873

01:18:28,970 --> 01:18:23,969

till the next think tank it's cheers

1874

01:18:49,380 --> 01:18:31,460

czerny Molly and I was just an excuse to

1875

01:18:54,729 --> 01:18:52,450

this is desiree shell hosted skeptically

1876

01:18:57,070 --> 01:18:54,739

speaking check out our website it's

1877

01:19:00,940 --> 01:18:57,080

chemically speaking calm and listen to

1878

01:19:04,720 --> 01:19:00,950

us live on CJ sr 88.5 FM in Edmonton

1879

01:19:17,170 --> 01:19:04,730

Alberta Canada I now return you to the

1880

01:19:22,130 --> 01:19:19,910

thank you very much for listening to the

1881

01:19:23,720 --> 01:19:22,140

skeptic zone next week er very

1882

01:19:26,480 --> 01:19:23,730

interesting series of interviews dr.

1883

01:19:29,420 --> 01:19:26,490

Richie on her recent trip to Florida

1884

01:19:33,860 --> 01:19:29,430

caught up with Phil Plait Phil plates

1885

01:19:36,200 --> 01:19:33,870

mother DJ Grothe and James Randi that's

1886

01:19:37,970 --> 01:19:36,210

next week on the show worth waiting for

1887

01:19:40,430 --> 01:19:37,980

and don't forget if you want to

1888

01:19:43,400 --> 01:19:40,440

subscribe to the skeptic zone only cost

1889

01:19:47,020 --> 01:19:43,410

you 99 cents an episode only if you want

1890

01:19:50,600 --> 01:19:47,030

to you can do that via wwc aiptek zone

1891

01:19:52,790 --> 01:19:50,610

TV until next week this is Richard

1892

01:19:58,010 --> 01:19:52,800

Saunders signing off from Sydney

1893

01:20:01,730 --> 01:19:58,020

Australia you've been listening to the

1894

01:20:05,420 --> 01:20:01,740

skeptic zone visit our website at www

1895

01:20:09,550 --> 01:20:05,430

scripting zone TV for comments contacts

1896

01:20:09,560 --> 01:20:21,600

skin