

Show 512

THE  
**SKEPTIC  
ZONE**  
PODCAST

12 August 2018

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Alanta Colley



**The Skeptic Zone Podcast**  
Show 512 - 12 August 2018

Magical Doctor  
Vyom Sharma

Comedian and Science Communicator  
Alanta Colley

Maynard with Dr Karl Kruszelnicki

Mystery Investigators at the  
Australian Museum



1  
00:00:10,850 --> 00:00:01,969  
this is James Randi and you're listening

2  
00:00:13,640 --> 00:00:10,860  
to the skeptic zone welcome to the

3  
00:00:15,510 --> 00:00:13,650  
skeptic zone the podcast from Australia

4  
00:00:17,580 --> 00:00:15,520  
for science and reason

5  
00:00:20,500 --> 00:00:17,590  
[Music]

6  
00:00:26,130 --> 00:00:20,510  
[Applause]

7  
00:00:28,950 --> 00:00:26,140  
[Music]

8  
00:00:33,670 --> 00:00:28,960  
yes it's the skeptic zone episode number

9  
00:00:35,320 --> 00:00:33,680  
512 for the 12th of August 2018

10  
00:00:38,500 --> 00:00:35,330  
richardsaunders here with you from

11  
00:00:41,320 --> 00:00:38,510  
Sydney Australia and what a wonderful

12  
00:00:45,250 --> 00:00:41,330  
week it's been science week kicking off

13  
00:00:46,979 --> 00:00:45,260

made on and I were at several functions

14

00:00:49,720 --> 00:00:46,989

and events and shows and performances

15

00:00:52,030 --> 00:00:49,730

more news on that coming up a bit later

16

00:00:54,189 --> 00:00:52,040

but to kick off this week's episode of

17

00:00:57,310 --> 00:00:54,199

the skeptic zone I speak to magician and

18

00:01:00,759 --> 00:00:57,320

general practitioner veeam Sharma now

19

00:01:03,759 --> 00:01:00,769

Fiamma is coming up to Sydney to perform

20

00:01:05,259 --> 00:01:03,769

some mentalism we hope and to give a

21

00:01:08,170 --> 00:01:05,269

talk at the Australian skeptics

22

00:01:11,110 --> 00:01:08,180

convention skeptic on 2018 in October

23

00:01:14,800 --> 00:01:11,120

more news about that as we chat to dr.

24

00:01:17,050 --> 00:01:14,810

Viren Sharma after that an update an

25

00:01:20,649 --> 00:01:17,060

update to the story of Maryland Bodnar

26

00:01:23,530 --> 00:01:20,659

the naturopath currently serving prison

27

00:01:25,780 --> 00:01:23,540

time for endangering the life of a baby

28

00:01:28,690 --> 00:01:25,790

what's the latest news with this story

29

00:01:30,670 --> 00:01:28,700

coming up a bit later on then it's part

30

00:01:34,150 --> 00:01:30,680

one of our science week reports

31

00:01:36,100 --> 00:01:34,160

Maynard spooky action yeah I may not

32

00:01:38,050 --> 00:01:36,110

know word the launch of Science Week at

33

00:01:41,170 --> 00:01:38,060

the Australian Museum a couple of nights

34

00:01:42,610 --> 00:01:41,180

ago wow what a great time we had running

35

00:01:45,520 --> 00:01:42,620

around chatting to all sorts of

36

00:01:48,300 --> 00:01:45,530

scientists and this week Maynard talks

37

00:01:50,920 --> 00:01:48,310

with doctor called cruise whiskey part 1

38

00:01:52,510 --> 00:01:50,930

part 1 may not spend so much time with

39

00:01:54,220 --> 00:01:52,520

dr. Karl I'm going to split up the

40

00:01:58,330 --> 00:01:54,230

interview into two parts so part one

41

00:02:02,740 --> 00:01:58,340

this week part two next week and also to

42

00:02:07,290 --> 00:02:02,750

a very funny lady olanta Colley who is a

43

00:02:08,559 --> 00:02:07,300

comedy scientist talking about parasites

44

00:02:10,869 --> 00:02:08,569

yes

45

00:02:13,390 --> 00:02:10,879

there's even humor there and next week

46

00:02:16,119 --> 00:02:13,400

lots more interviews from the launch of

47

00:02:18,640 --> 00:02:16,129

Science Week with Maynard after that

48

00:02:21,130 --> 00:02:18,650

it's news of the bent spoon award and

49

00:02:25,600 --> 00:02:21,140

some of the early nominations for this

50

00:02:28,030 --> 00:02:25,610

year's award which is awarded to the

51  
00:02:30,729 --> 00:02:28,040  
most preposterous piece of paranormal or

52  
00:02:32,860 --> 00:02:30,739  
pseudo scientific Biffle who will be

53  
00:02:35,199 --> 00:02:32,870  
this year's unworthy winner we'll find

54  
00:02:37,209 --> 00:02:35,209  
out at the convention then to round off

55  
00:02:37,660 --> 00:02:37,219  
the show a little clip a little snippet

56  
00:02:39,699 --> 00:02:37,670  
or two

57  
00:02:41,770 --> 00:02:39,709  
from the recent mystery investigators

58  
00:02:44,860 --> 00:02:41,780  
show the Australian Museum where Maynard

59  
00:02:47,920 --> 00:02:44,870  
and I performed our science routine with

60  
00:02:51,160 --> 00:02:47,930  
a roomful of enthusiastic schoolkids

61  
00:02:53,260 --> 00:02:51,170  
always a joy always a pleasure and one

62  
00:02:55,510 --> 00:02:53,270  
of the highlights of the year and of

63  
00:02:57,840 --> 00:02:55,520

course this past week has seen the

64

00:03:02,670 --> 00:02:57,850

birthday of James the amazing Randi

65

00:03:07,300 --> 00:03:02,680

turning 90 but we really only became

66

00:03:10,479 --> 00:03:07,310

friends I guess after he turned 70 when

67

00:03:12,520 --> 00:03:10,489

he was about 72 73 or something like

68

00:03:18,220 --> 00:03:12,530

that so I guess we have been friends for

69

00:03:19,930 --> 00:03:18,230

quite a while and well I speak for lots

70

00:03:21,699 --> 00:03:19,940

of people around the world our lives are

71

00:03:24,059 --> 00:03:21,709

different because of the work of James

72

00:03:26,920 --> 00:03:24,069

the amazing Randi that's for sure

73

00:03:29,949 --> 00:03:26,930

so I hope you had a happy birthday mr.

74

00:03:32,259 --> 00:03:29,959

Andy and well I certainly look forward

75

00:03:35,440 --> 00:03:32,269

to our next meeting wherever and

76

00:03:37,420 --> 00:03:35,450

whenever that will be but now it's time

77

00:03:39,610 --> 00:03:37,430

for me to run downstairs and I've got it

78

00:03:41,199 --> 00:03:39,620

I'm a bit peckish at the moment my

79

00:03:44,470 --> 00:03:41,209

tastes are all over the place I think

80

00:03:46,750 --> 00:03:44,480

I'll have some white chocolate which I

81

00:03:49,330 --> 00:03:46,760

really like with a glass of champagne

82

00:03:51,400 --> 00:03:49,340

and maybe some ice cream after that

83

00:03:53,800 --> 00:03:51,410

there's an interesting selection while I

84

00:03:54,330 --> 00:03:53,810

do that I hope you enjoy the skeptic

85

00:04:15,310 --> 00:03:54,340

zone

86

00:04:17,840 --> 00:04:15,320

[Music]

87

00:04:19,759 --> 00:04:17,850

joining me now on the line from

88

00:04:23,080 --> 00:04:19,769

Melbourne it's an interesting fellow

89

00:04:28,460 --> 00:04:23,090

folks it's a a combination between a

90

00:04:32,510 --> 00:04:28,470

Mentalist and a GP veeram sharma hello

91

00:04:34,310 --> 00:04:32,520

thank you for having me it's wonderful

92

00:04:36,110 --> 00:04:34,320

to catch up with you and I'm sorry we

93

00:04:38,120 --> 00:04:36,120

didn't get a chance to chat last year

94

00:04:39,650 --> 00:04:38,130

and skeptic on here in Sydney and this

95

00:04:41,450 --> 00:04:39,660

year we'll make amends for that you're

96

00:04:43,279 --> 00:04:41,460

coming up let's start off with that

97

00:04:46,430 --> 00:04:43,289

although you're a GP and we'll get to

98

00:04:48,409 --> 00:04:46,440

that soon you're I guess you're widely

99

00:04:52,219 --> 00:04:48,419

known in Australia as being a magician

100

00:04:53,950 --> 00:04:52,229

and especially a Mentalist why on earth

101

00:04:56,990 --> 00:04:53,960

did you get into that game

102

00:04:59,600 --> 00:04:57,000

well the way I got into magic was

103

00:05:00,860 --> 00:04:59,610

actually much later than most people I

104

00:05:03,770 --> 00:05:00,870

got into it in first year of medical

105

00:05:07,310 --> 00:05:03,780

school and I think we were away on some

106

00:05:09,740 --> 00:05:07,320

kind of rural visit and a fellow student

107

00:05:11,390 --> 00:05:09,750

just decided to pass the time show some

108

00:05:13,969 --> 00:05:11,400

card tricks and little did I know that

109

00:05:17,570 --> 00:05:13,979

time that this guy was incredibly

110

00:05:20,540 --> 00:05:17,580

skilled at sleight of hand and it was

111

00:05:22,790 --> 00:05:20,550

just one of those those moments in life

112

00:05:26,060 --> 00:05:22,800

that just changed the course of what you

113

00:05:28,480 --> 00:05:26,070

do yeah yeah I was just confronted with

114

00:05:31,640 --> 00:05:28,490

just the adverse elude impossibility of

115

00:05:34,430 --> 00:05:31,650

him doing these the absolute miracles

116

00:05:35,870 --> 00:05:34,440

were with the deck of cards and it just

117

00:05:37,700 --> 00:05:35,880

led me down this path of wanting to

118

00:05:41,200 --> 00:05:37,710

firstly just find out how the hell it

119

00:05:43,939 --> 00:05:41,210

was done that's really all it was um

120

00:05:46,219 --> 00:05:43,949

another way that I was annoyed by not

121

00:05:49,100 --> 00:05:46,229

knowing how it was done but I was just

122

00:05:52,159 --> 00:05:49,110

so incredibly astonished and so just led

123

00:05:54,469 --> 00:05:52,169

me down this path of discovering magic

124

00:05:56,330 --> 00:05:54,479

as a hobby and then ultimately kind of

125

00:05:58,070 --> 00:05:56,340

performing it and then I started to

126

00:06:00,650 --> 00:05:58,080

gravitate a bit towards mentalism

127

00:06:02,360 --> 00:06:00,660

because I think a lot of magicians go

128

00:06:04,430 --> 00:06:02,370

through this phase where when you're

129

00:06:06,890 --> 00:06:04,440

starting out you see a lot of magic and

130

00:06:09,810 --> 00:06:06,900

sure things can levitate and appear and

131

00:06:12,510 --> 00:06:09,820

disappear but there's this pretty

132

00:06:14,970 --> 00:06:12,520

a sub-genre of mentalism where people

133

00:06:19,050 --> 00:06:14,980

seem to have kind of powers of the mind

134

00:06:20,940 --> 00:06:19,060

which seems particularly impossible

135

00:06:22,650 --> 00:06:20,950

which doesn't make sense when you think

136

00:06:25,140 --> 00:06:22,660

about it because this shouldn't really

137

00:06:26,580 --> 00:06:25,150

be grades to impossibility there's some

138

00:06:29,010 --> 00:06:26,590

yeah but there's something about

139

00:06:31,530 --> 00:06:29,020

mentalism which is so incredibly

140

00:06:32,990 --> 00:06:31,540

persuasive that really drew me in and I

141

00:06:35,910 --> 00:06:33,000

started to learn a lot of the techniques

142

00:06:39,960 --> 00:06:35,920

and then I I really found that I enjoyed

143

00:06:41,310 --> 00:06:39,970

kind of performing it and for some

144

00:06:44,670 --> 00:06:41,320

reason the impact meant performing

145

00:06:46,140 --> 00:06:44,680

mentalism is doubled almost no matter

146

00:06:48,090 --> 00:06:46,150

who you're kind of performing for and so

147

00:06:51,420 --> 00:06:48,100

it's something I've done a lot of III

148

00:06:53,370 --> 00:06:51,430

agree I mean over the years I've come to

149

00:06:55,890 --> 00:06:53,380

understand and appreciate and learn a

150

00:06:57,900 --> 00:06:55,900

lot of magic and mentalism but there is

151  
00:06:59,780 --> 00:06:57,910  
something about mentalism it's a cut

152  
00:07:03,420 --> 00:06:59,790  
above I think it's it's a wonderful

153  
00:07:05,610 --> 00:07:03,430  
branch of the country arts and our good

154  
00:07:07,770 --> 00:07:05,620  
friend Lawrence lung is also a wonderful

155  
00:07:10,380 --> 00:07:07,780  
Mentalist he does he does a funny show

156  
00:07:12,450 --> 00:07:10,390  
too but when we think of magicians and

157  
00:07:15,090 --> 00:07:12,460  
mentalists we have to mention the

158  
00:07:18,180 --> 00:07:15,100  
amazing Randi James Randi who just

159  
00:07:21,920 --> 00:07:18,190  
turned 90 by the way I mean happy

160  
00:07:25,050 --> 00:07:21,930  
birthday James Randi indeed and I've

161  
00:07:29,220 --> 00:07:25,060  
been in his presence or many times but

162  
00:07:31,020 --> 00:07:29,230  
when he's does mentalism I mean he does

163  
00:07:33,390 --> 00:07:31,030

sleight of hands he doesn't wonderful

164

00:07:35,250 --> 00:07:33,400

card tricks which floors everybody but

165

00:07:36,810 --> 00:07:35,260

then he he'll do a mentalism turn you

166

00:07:38,550 --> 00:07:36,820

know a book trick or a book reading or

167

00:07:40,650 --> 00:07:38,560

something like that and that's where

168

00:07:43,620 --> 00:07:40,660

people really gasped and I think that

169

00:07:46,380 --> 00:07:43,630

that's just a wonderful art form it

170

00:07:49,830 --> 00:07:46,390

really is and you know even before I

171

00:07:52,010 --> 00:07:49,840

started magic I realized I was I seen

172

00:07:56,010 --> 00:07:52,020

some feats of mental as minute past so

173

00:07:57,690 --> 00:07:56,020

as a kid at senior gala bend spoons and

174

00:08:00,230 --> 00:07:57,700

do he's maybe special and everything

175

00:08:03,090 --> 00:08:00,240

that's right and you're right to scoff

176

00:08:05,990 --> 00:08:03,100

yeah and as a I don't know how old I was

177

00:08:08,820 --> 00:08:06,000

maybe 9 or 10 or whatever like it was I

178

00:08:09,990 --> 00:08:08,830

mean it was just absolutely amazing and

179

00:08:13,200 --> 00:08:10,000

stunning and I couldn't understand why

180

00:08:14,940 --> 00:08:13,210

everyone wasn't exist with this wanting

181

00:08:17,490 --> 00:08:14,950

to find out exactly how this man has

182

00:08:19,409 --> 00:08:17,500

these amazing powers and then I think at

183

00:08:22,230 --> 00:08:19,419

at I did see James Randi maybe not a

184

00:08:23,540 --> 00:08:22,240

morning TV show just kind of demonstrate

185

00:08:26,030 --> 00:08:23,550

I think it was

186

00:08:27,500 --> 00:08:26,040

spoon bending but instead of with all

187

00:08:30,410 --> 00:08:27,510

the kind of theater he said look yeah

188

00:08:31,460 --> 00:08:30,420

here we go we'll just do it and I can

189

00:08:34,520 --> 00:08:31,470

tell you right now it's not done by

190

00:08:36,290 --> 00:08:34,530

magical powers and yeah 15 minutes of me

191

00:08:38,600 --> 00:08:36,300

just sitting there with this massive

192

00:08:40,640 --> 00:08:38,610

cognitive dissonance is going what what

193

00:08:42,860 --> 00:08:40,650

just happened how so clearly this isn't

194

00:08:45,320 --> 00:08:42,870

you know magic or mind powers so to

195

00:08:47,120 --> 00:08:45,330

speak and so I really owe a lot to James

196

00:08:49,850 --> 00:08:47,130

Randi in that way - yeah sowing the

197

00:08:53,900 --> 00:08:49,860

seeds of skepticism I think that

198

00:08:55,760 --> 00:08:53,910

probably they're probably affected my

199

00:08:57,620 --> 00:08:55,770

journey through magic all right well I

200

00:09:00,530 --> 00:08:57,630

mean this is a story we hear often of

201  
00:09:02,420 --> 00:09:00,540  
course and if you're listening mr. Andy

202  
00:09:04,400 --> 00:09:02,430  
is all around the world people have been

203  
00:09:06,440 --> 00:09:04,410  
inspired by you and will continue to be

204  
00:09:07,940 --> 00:09:06,450  
inspired by you Kosovo works and the

205  
00:09:10,070 --> 00:09:07,950  
writings and the videos and so on and

206  
00:09:12,350 --> 00:09:10,080  
speaking of videos I've had the chance

207  
00:09:14,780 --> 00:09:12,360  
to peruse YouTube and folks I'll put a

208  
00:09:17,270 --> 00:09:14,790  
link up on this week's show notes you

209  
00:09:19,400 --> 00:09:17,280  
are on you have been on many TV shows

210  
00:09:22,160 --> 00:09:19,410  
doing mentalism and magic but you were

211  
00:09:24,670 --> 00:09:22,170  
on Australia's Got Talent

212  
00:09:29,540 --> 00:09:24,680  
that must have been a crazy experience

213  
00:09:32,270 --> 00:09:29,550

it really was oh man um it feels like a

214

00:09:35,740 --> 00:09:32,280

completely different lifetime just

215

00:09:39,680 --> 00:09:35,750

because the TV environment is so

216

00:09:42,380 --> 00:09:39,690

different to reality it's yeah yeah it

217

00:09:45,830 --> 00:09:42,390

was um the way kind of went down was so

218

00:09:48,050 --> 00:09:45,840

I perform either solo or as part of a

219

00:09:51,170 --> 00:09:48,060

trio with this group called gentlemen of

220

00:09:53,740 --> 00:09:51,180

deceit yeah we'd be doing our Melbourne

221

00:09:56,570 --> 00:09:53,750

Comedy Festival for several years and

222

00:09:58,280 --> 00:09:56,580

then Australia's Got Talent you know and

223

00:10:00,020 --> 00:09:58,290

in a matter has been kind of fell into

224

00:10:01,850 --> 00:10:00,030

our lap and we didn't really think it

225

00:10:04,220 --> 00:10:01,860

was going to go anywhere we we just were

226

00:10:07,100 --> 00:10:04,230

going to do our initial audition act and

227

00:10:09,860 --> 00:10:07,110

see how we go turns out that went really

228

00:10:12,170 --> 00:10:09,870

well the clip went viral and so we

229

00:10:16,160 --> 00:10:12,180

advanced to the the semi files and then

230

00:10:18,380 --> 00:10:16,170

the grand finals which was an absolutely

231

00:10:21,560 --> 00:10:18,390

amazing experience in terms of laying

232

00:10:22,970 --> 00:10:21,570

out via the the rail tracks as that as a

233

00:10:25,370 --> 00:10:22,980

trains kind of moving in front of you

234

00:10:27,680 --> 00:10:25,380

coming up with these new and new amazing

235

00:10:30,730 --> 00:10:27,690

and more and more impressive acts so it

236

00:10:32,900 --> 00:10:30,740

was it was a period of my life where I'd

237

00:10:35,720 --> 00:10:32,910

medicine really did take the backseat

238

00:10:36,740 --> 00:10:35,730

and for that whatever it was year 18

239

00:10:40,130 --> 00:10:36,750

months or still

240

00:10:42,290 --> 00:10:40,140

working in drips and drabs but yeah that

241

00:10:43,880 --> 00:10:42,300

was basically the life of a foreman

242

00:10:46,180 --> 00:10:43,890

trying to I guess build that part of my

243

00:10:49,520 --> 00:10:46,190

career wild wild time

244

00:10:51,800 --> 00:10:49,530

what a strange mix of professions really

245

00:10:53,870 --> 00:10:51,810

and and I enjoyed watching your other

246

00:10:56,420 --> 00:10:53,880

appearances on things like studio 10

247

00:10:58,130 --> 00:10:56,430

live the morning chat show were you

248

00:11:00,350 --> 00:10:58,140

doing wonderful little bits of mentalism

249

00:11:02,480 --> 00:11:00,360

and other magic tricks and yes you'll be

250

00:11:07,010 --> 00:11:02,490

appearing at skeptic on 2018 here in

251  
00:11:11,030 --> 00:11:07,020  
Sydney in October and I see your talk is

252  
00:11:13,550 --> 00:11:11,040  
entitled what doctors don't know what

253  
00:11:21,350 --> 00:11:13,560  
what what is it the doctors don't know

254  
00:11:22,760 --> 00:11:21,360  
um I hate to say but a lot it's it's

255  
00:11:24,020 --> 00:11:22,770  
obviously is you can sense the topic

256  
00:11:25,610 --> 00:11:24,030  
that's close to my heart but

257  
00:11:29,630 --> 00:11:25,620  
particularly the general practitioner

258  
00:11:32,240 --> 00:11:29,640  
the specialty of general practices you

259  
00:11:34,730 --> 00:11:32,250  
know the art of having no specialty so

260  
00:11:37,790 --> 00:11:34,740  
by definition of being a generalist you

261  
00:11:41,530 --> 00:11:37,800  
don't know and it's something I'm very

262  
00:11:43,850 --> 00:11:41,540  
now becoming increasingly familiar where

263  
00:11:46,520 --> 00:11:43,860

comfortable being in a state of kind of

264

00:11:48,340 --> 00:11:46,530

not knowing but finding out but it's

265

00:11:51,920 --> 00:11:48,350

something that that's really struck me

266

00:11:54,920 --> 00:11:51,930

as it's very prescient when worth

267

00:11:56,480 --> 00:11:54,930

discussing I think we've hit that kind

268

00:11:58,070 --> 00:11:56,490

of inflection point in the curve in

269

00:12:00,050 --> 00:11:58,080

terms of people's expectations from

270

00:12:02,120 --> 00:12:00,060

doctors we've gone through that

271

00:12:03,740 --> 00:12:02,130

incredibly paternalistic period of the

272

00:12:05,990 --> 00:12:03,750

doctor knows best and doctors know

273

00:12:08,690 --> 00:12:06,000

because they've had the training etc -

274

00:12:12,530 --> 00:12:08,700

now everyone having in their pockets a

275

00:12:15,710 --> 00:12:12,540

device that in access just so much more

276

00:12:16,820 --> 00:12:15,720

information than a doctor could know and

277

00:12:19,190 --> 00:12:16,830

particularly when it comes to say

278

00:12:23,720 --> 00:12:19,200

something like general practice in terms

279

00:12:26,090 --> 00:12:23,730

of rare diseases our level of knowledge

280

00:12:28,370 --> 00:12:26,100

is quite limited our judgement actual

281

00:12:29,480 --> 00:12:28,380

ease might be very very good which is

282

00:12:33,170 --> 00:12:29,490

probably the more important relevant

283

00:12:36,350 --> 00:12:33,180

thing a lot of the time but it's it

284

00:12:39,740 --> 00:12:36,360

really made me think more deeply about

285

00:12:41,390 --> 00:12:39,750

what what not knowing as a doctor really

286

00:12:43,730 --> 00:12:41,400

is about so well I don't want to give

287

00:12:45,500 --> 00:12:43,740

too much away I'm gonna be touching on a

288

00:12:49,220 --> 00:12:45,510

few themes I'm going to be touching on

289

00:12:50,690 --> 00:12:49,230

the fact that that a lot of what doctors

290

00:12:52,190 --> 00:12:50,700

know

291

00:12:54,350 --> 00:12:52,200

how can become kind of out of date or

292

00:12:55,880 --> 00:12:54,360

wrong as time kind of goes on there's

293

00:12:58,340 --> 00:12:55,890

that famous quote we're all told when we

294

00:13:00,320 --> 00:12:58,350

go to first date date medical school

295

00:13:02,050 --> 00:13:00,330

which is that you know in five to ten

296

00:13:04,790 --> 00:13:02,060

years time after you finish your

297

00:13:07,070 --> 00:13:04,800

specialist training in half of what you

298

00:13:08,990 --> 00:13:07,080

know will be out of date the problem is

299

00:13:10,790 --> 00:13:09,000

we don't know which half and you know

300

00:13:13,430 --> 00:13:10,800

and things some things just chair to be

301

00:13:16,100 --> 00:13:13,440

going to flat out wrong so to speak so

302

00:13:19,310 --> 00:13:16,110

which is always very interesting there's

303

00:13:22,610 --> 00:13:19,320

also things I think about Health

304

00:13:25,070 --> 00:13:22,620

Sciences where perhaps there is an

305

00:13:26,750 --> 00:13:25,080

expectation quite a reasonable one for

306

00:13:28,820 --> 00:13:26,760

doctors to know what the right answer is

307

00:13:31,070 --> 00:13:28,830

well I think some of the times we might

308

00:13:33,440 --> 00:13:31,080

never actually know precisely what the

309

00:13:36,770 --> 00:13:33,450

right answer is the doctors may not know

310

00:13:39,770 --> 00:13:36,780

is good or bad for you and you know

311

00:13:42,500 --> 00:13:39,780

which diet is you know better for for

312

00:13:47,420 --> 00:13:42,510

longer living etc there's there's a lot

313

00:13:49,940 --> 00:13:47,430

of diet sciences is a really good area

314

00:13:53,180 --> 00:13:49,950

for demonstrating kind of limits of our

315

00:13:55,130 --> 00:13:53,190

knowledge sometimes and and how fats can

316

00:13:57,080 --> 00:13:55,140

can change you're so incredibly kind of

317

00:13:57,830 --> 00:13:57,090

rapidly so yeah those are the kind of

318

00:13:59,840 --> 00:13:57,840

things that I'm going to be touching

319

00:14:01,790 --> 00:13:59,850

upon in this talk wow that sounds

320

00:14:03,260 --> 00:14:01,800

fascinating folks if you're in Sydney I

321

00:14:05,360 --> 00:14:03,270

encourage you to come along to the

322

00:14:07,700 --> 00:14:05,370

conference anyway but if you can't make

323

00:14:10,010 --> 00:14:07,710

it or you're coming anyway why don't you

324

00:14:11,930 --> 00:14:10,020

have a chat to your local GP let them

325

00:14:13,640 --> 00:14:11,940

know this conference is on and we're

326

00:14:15,380 --> 00:14:13,650

going to have such fabulous speakers

327

00:14:17,600 --> 00:14:15,390

talking about these topics that might

328

00:14:20,600 --> 00:14:17,610

interest them very much I mean dr. Brad

329

00:14:22,880 --> 00:14:20,610

McCoy will also be there and we have

330

00:14:24,560 --> 00:14:22,890

other medical professionals come along

331

00:14:26,150 --> 00:14:24,570

as well it sounds like it's gonna be a

332

00:14:30,850 --> 00:14:26,160

great talk are you gonna do any

333

00:14:34,310 --> 00:14:30,860

mentalism along the way absolutely yeah

334

00:14:35,960 --> 00:14:34,320

I'm realizing increasingly in terms of

335

00:14:38,300 --> 00:14:35,970

my involvement in the skeptic circle I

336

00:14:42,290 --> 00:14:38,310

think I'm just I think people just want

337

00:14:46,060 --> 00:14:42,300

to see some good magic tricks I don't

338

00:14:49,670 --> 00:14:48,140

have their minds blown and I'm happy to

339

00:14:51,680 --> 00:14:49,680

do that but I always always look kind of

340

00:14:53,750 --> 00:14:51,690

like doing that in the context of the

341

00:14:56,600 --> 00:14:53,760

talk and so you know you look for

342

00:14:59,990 --> 00:14:56,610

example last year I I was talking about

343

00:15:01,280 --> 00:15:00,000

kind of the the limits of human beliefs

344

00:15:04,610 --> 00:15:01,290

and what it takes to kind of persuade

345

00:15:06,950 --> 00:15:04,620

people and I did a demonstration we

346

00:15:09,050 --> 00:15:06,960

voodoo doll which you know has its roots

347

00:15:12,410 --> 00:15:09,060

in a form of alternative medicine people

348

00:15:14,690 --> 00:15:12,420

thought it really had some sort of

349

00:15:17,330 --> 00:15:14,700

health benefits like a health

350

00:15:20,030 --> 00:15:17,340

methodology kind of behind it and I do

351

00:15:22,070 --> 00:15:20,040

this fairly kind of ludicrous and kind

352

00:15:26,060 --> 00:15:22,080

of comedic demonstration with a voodoo

353

00:15:28,280 --> 00:15:26,070

doll and yet no the the its effect so to

354

00:15:30,320 --> 00:15:28,290

speaking it's its magic ality is just so

355

00:15:32,780 --> 00:15:30,330

impossible and undeniable and it really

356

00:15:34,160 --> 00:15:32,790

makes Mike Sisco all you know what I'm

357

00:15:36,770 --> 00:15:34,170

telling you it's faking it so persuasive

358

00:15:38,810 --> 00:15:36,780

just imagine how persuasive it is when

359

00:15:40,190 --> 00:15:38,820

someone tells you it's real so I'll

360

00:15:43,220 --> 00:15:40,200

definitely find some way to crow

361

00:15:45,080 --> 00:15:43,230

Berenson don't worry about that well I

362

00:15:47,900 --> 00:15:45,090

said I certainly hope so now I'm looking

363

00:15:50,360 --> 00:15:47,910

forward to your talk very much the topic

364

00:15:52,670 --> 00:15:50,370

is absolutely fascinating it ties so

365

00:15:55,280 --> 00:15:52,680

well in with general skepticism and and

366

00:15:56,870 --> 00:15:55,290

mentalism to folks there's the clue

367

00:15:58,790 --> 00:15:56,880

there's the message and there's the word

368

00:16:01,970 --> 00:15:58,800

if you want to see a very interesting

369

00:16:04,490 --> 00:16:01,980

talk amongst many book your tickets now

370

00:16:06,400 --> 00:16:04,500

for the convention and we look very much

371

00:16:09,500 --> 00:16:06,410

forward to hearing the talk by dr.

372

00:16:12,250 --> 00:16:09,510

theorem Shama so for now theorem thank

373

00:16:27,579 --> 00:16:12,260

you very much thank you

374

00:16:30,889 --> 00:16:27,589

[Music]

375

00:16:33,320 --> 00:16:30,899

hi I'm Yvette Tantra ma aka Sai babe and

376

00:16:36,470 --> 00:16:33,330

I debunk bad science for a living this

377

00:16:38,060 --> 00:16:36,480

includes health nutrition and general BS

378

00:16:39,740 --> 00:16:38,070

on the internet and I'm looking forward

379

00:16:55,970 --> 00:16:39,750

to seeing you all at skeptic on on

380

00:16:57,769 --> 00:16:55,980

Australia this October now here's an

381

00:17:00,560 --> 00:16:57,779

update to a story we brought you some

382

00:17:03,560 --> 00:17:00,570

weeks ago about the naturopath currently

383

00:17:05,890 --> 00:17:03,570

-serving a prison term for endangering

384

00:17:08,390 --> 00:17:05,900

the life of an eight month old baby

385

00:17:10,549 --> 00:17:08,400

this story comes to us from the

386

00:17:13,699 --> 00:17:10,559

Australian skeptics website skeptics

387

00:17:16,699 --> 00:17:13,709

kaamdar au published on the 3rd of

388

00:17:19,280 --> 00:17:16,709

August by Tim Mendham naturopath banned

389

00:17:23,980 --> 00:17:19,290

for life following baby's near-death

390

00:17:28,100 --> 00:17:23,990

[Music]

391

00:17:30,440 --> 00:17:28,110

Marilyn bandha and quote extreme diet in

392

00:17:33,230 --> 00:17:30,450

quote naturopath who was acquitted of

393

00:17:35,690 --> 00:17:33,240

manslaughter charges in 1987 when one of

394

00:17:38,450 --> 00:17:35,700

her clients starved themselves to death

395

00:17:41,060 --> 00:17:38,460

on a water only diet has now been banned

396

00:17:43,730 --> 00:17:41,070

for life from quote providing any health

397

00:17:46,310 --> 00:17:43,740

service in any capacity either paid or

398

00:17:48,080 --> 00:17:46,320

voluntary end quote the permanent

399

00:17:50,240 --> 00:17:48,090

prohibition order by the New South Wales

400

00:17:52,760 --> 00:17:50,250

health care Complaints Commission

401  
00:17:55,490 --> 00:17:52,770  
follows Bodnar's conviction in April

402  
00:17:58,820 --> 00:17:55,500  
with a 14 month jail sentence for

403  
00:17:59,450 --> 00:17:58,830  
advising in 2015 that the mother of an 8

404  
00:18:02,180 --> 00:17:59,460  
month

405  
00:18:04,340 --> 00:18:02,190  
infant to cease eating anything other

406  
00:18:07,430 --> 00:18:04,350  
than raw vegetables fruits and seeds to

407  
00:18:10,340 --> 00:18:07,440  
cure her babies sons eggs ma when the

408  
00:18:12,500 --> 00:18:10,350  
boy began a week-long bout of vomiting

409  
00:18:14,600 --> 00:18:12,510  
Bodnar apparently told the mother to

410  
00:18:17,060 --> 00:18:14,610  
feed him some goat's milk but the boy

411  
00:18:18,560 --> 00:18:17,070  
vomited up that as well Bodnar is

412  
00:18:21,440 --> 00:18:18,570  
alleged to have told the boy's mother

413  
00:18:24,350 --> 00:18:21,450

that vomiting is good because it purged

414

00:18:26,690 --> 00:18:24,360

quote the toxins that cause eczema in

415

00:18:27,860 --> 00:18:26,700

quote the mother finally took the child

416

00:18:30,680 --> 00:18:27,870

to hospital where

417

00:18:33,350 --> 00:18:30,690

found he was only days away from death

418

00:18:36,350 --> 00:18:33,360

and may have suffered severe

419

00:18:39,110 --> 00:18:36,360

developmental issues Bodnar was

420

00:18:40,880 --> 00:18:39,120

sentenced to a minimum at months jail at

421

00:18:42,890 --> 00:18:40,890

this time they stopped the Australian

422

00:18:45,290 --> 00:18:42,900

vaccination network organization

423

00:18:47,570 --> 00:18:45,300

submitted a complaint to the healthcare

424

00:18:49,690 --> 00:18:47,580

Complaints Commission following Bodnar's

425

00:18:53,140 --> 00:18:49,700

promise during the sentencing hearing

426

00:18:56,420 --> 00:18:53,150

not to treat children in the future

427

00:18:59,630 --> 00:18:56,430

Ken MacLeod co-founder of SAV n said

428

00:19:02,570 --> 00:18:59,640

quote the H Triple C was probably going

429

00:19:04,850 --> 00:19:02,580

to investigate anyway and they had much

430

00:19:07,580 --> 00:19:04,860

help from the New South Wales police the

431

00:19:09,830 --> 00:19:07,590

prohibition order is a harrowing reading

432

00:19:13,669 --> 00:19:09,840

when it gets to the suffering of the

433

00:19:16,400 --> 00:19:13,679

poor child so be warned and quote but he

434

00:19:18,919 --> 00:19:16,410

asks why the H Triple C did not impose a

435

00:19:21,140 --> 00:19:18,929

prohibition order after the first death

436

00:19:23,390 --> 00:19:21,150

quote the Commission is to be

437

00:19:25,760 --> 00:19:23,400

congratulated here for their response to

438

00:19:28,190 --> 00:19:25,770

the danger to the health and safety of

439

00:19:30,440 --> 00:19:28,200

the New South Wales public but we wonder

440

00:19:33,530 --> 00:19:30,450

why it takes the near death of a child

441

00:19:36,260 --> 00:19:33,540

to initiate action there are thousands

442

00:19:38,780 --> 00:19:36,270

of life threatening cranks treating the

443

00:19:41,030 --> 00:19:38,790

gullible all over Australia and very

444

00:19:43,610 --> 00:19:41,040

fewer challenged by the health safety

445

00:19:45,680 --> 00:19:43,620

investigators actually we do know why

446

00:19:47,960 --> 00:19:45,690

health investigators such as the H

447

00:19:50,120 --> 00:19:47,970

Triple C are starved of resources and

448

00:19:57,140 --> 00:19:50,130

finance so if you want this to change

449

00:19:59,060 --> 00:19:57,150

see your MP and quote the full report

450

00:20:01,220 --> 00:19:59,070

from a cloud will appear in this

451  
00:20:03,140 --> 00:20:01,230  
September issue of the skeptic magazine

452  
00:20:05,660 --> 00:20:03,150  
The Journal from Australian skeptics

453  
00:20:08,299 --> 00:20:05,670  
that report comes to us from Tim Mendham

454  
00:20:10,540 --> 00:20:08,309  
published on the 3rd of August 2018 and

455  
00:20:13,730 --> 00:20:10,550  
you can read that at skeptics calm

456  
00:20:15,799 --> 00:20:13,740  
dot-eu and as ever we will bring you up

457  
00:20:17,000 --> 00:20:15,809  
to date with any further developments on

458  
00:20:30,660 --> 00:20:17,010  
this story

459  
00:20:35,230 --> 00:20:33,880  
hey svenska skeptical the vet vet at

460  
00:20:37,870 --> 00:20:35,240  
veteran scope for billing in the

461  
00:20:40,720 --> 00:20:37,880  
bathroom hangar of the sceptic zone as

462  
00:20:43,450 --> 00:20:40,730  
an ox or a fearful dog pop science quiz

463  
00:20:46,030 --> 00:20:43,460

or skeptical Kevin Thomas Valley Quinn

464

00:20:48,550 --> 00:20:46,040

pave very primitive often TSA thought

465

00:20:51,130 --> 00:20:48,560

spawning vuvuzela kallu call for any

466

00:20:52,660 --> 00:20:51,140

hunter Malanda tagong warmly Bruins

467

00:20:55,570 --> 00:20:52,670

thought that on the thinnest non-local

468

00:20:59,950 --> 00:20:55,580

training boffin to start time 12 your

469

00:21:02,470 --> 00:20:59,960

pata made a ilmu hello all skeptics in

470

00:21:04,810 --> 00:21:02,480

Sweden I'm sure you already know that

471

00:21:06,790 --> 00:21:04,820

the Swedish skeptics Association not

472

00:21:09,460 --> 00:21:06,800

only is a big fan of the skeptic zone

473

00:21:11,590 --> 00:21:09,470

but that we also organize lectures pop

474

00:21:18,280 --> 00:21:11,600

science quiz and skeptics in the pub all

475

00:21:20,380 --> 00:21:18,290

over the country go to WWE UFC to see

476  
00:21:22,600 --> 00:21:20,390  
what our seven local chapters are up to

477  
00:21:24,970 --> 00:21:22,610  
and if you live in a place where there

478  
00:21:25,600 --> 00:21:24,980  
is no local chapter why not stop on

479  
00:21:35,890 --> 00:21:25,610  
yourself

480  
00:21:47,630 --> 00:21:41,060  
here's Maynard spooky action at the

481  
00:21:48,919 --> 00:21:47,640  
distance hey everybody everyone's pretty

482  
00:21:51,470 --> 00:21:48,929  
excited here I'm in a room full of

483  
00:21:53,600 --> 00:21:51,480  
excited people at Pierce training museum

484  
00:21:55,340 --> 00:21:53,610  
because it's science week all over the

485  
00:21:56,780 --> 00:21:55,350  
world and it's even Science Week locally

486  
00:21:57,860 --> 00:21:56,790  
here as well in fact there's finger food

487  
00:22:00,680 --> 00:21:57,870  
going around thank you

488  
00:22:01,820 --> 00:22:00,690

how's the finger food been going it's

489

00:22:03,680 --> 00:22:01,830

going great

490

00:22:06,440 --> 00:22:03,690

thank you yep see everyone's excited

491

00:22:08,630 --> 00:22:06,450

about finger food sorry my mouth is full

492

00:22:10,250 --> 00:22:08,640

of finger food yeah people that tend to

493

00:22:12,730 --> 00:22:10,260

not get so excited about elbow food

494

00:22:16,190 --> 00:22:12,740

elbow food just doesn't work at a party

495

00:22:17,990 --> 00:22:16,200

as I look around the room I see dozens

496

00:22:20,180 --> 00:22:18,000

and dozens of people that have been

497

00:22:21,470 --> 00:22:20,190

university longer than me and as we know

498

00:22:23,060 --> 00:22:21,480

I was just there for the day and it was

499

00:22:25,340 --> 00:22:23,070

mainly at the bar at Newcastle

500

00:22:27,350 --> 00:22:25,350

but science week too big deal this is

501  
00:22:29,900 --> 00:22:27,360  
where we try and get a bit of attention

502  
00:22:30,950 --> 00:22:29,910  
to science and go oh well hang on who

503  
00:22:32,360 --> 00:22:30,960  
some people know what they're talking

504  
00:22:34,610 --> 00:22:32,370  
about these are these so-called experts

505  
00:22:37,100 --> 00:22:34,620  
give them a bit of respect and see how

506  
00:22:38,270 --> 00:22:37,110  
it goes and as you know every science

507  
00:22:39,860 --> 00:22:38,280  
week I try and bring a little bit of

508  
00:22:42,340 --> 00:22:39,870  
something of myself that I only

509  
00:22:45,520 --> 00:22:42,350  
partially know into the conversation and

510  
00:22:49,130 --> 00:22:45,530  
tonight yes the word is epigenetics

511  
00:22:50,540 --> 00:22:49,140  
Richard epigenetics is that like in

512  
00:22:52,100 --> 00:22:50,550  
Scrabble you get a lot of points for

513  
00:22:53,990 --> 00:22:52,110

that word I guess that's right

514

00:22:55,400 --> 00:22:54,000

epigenetics and it's not to be confused

515

00:22:56,780 --> 00:22:55,410

with the pin you give to people if

516

00:23:00,830 --> 00:22:56,790

they've got analogy nothing to do that

517

00:23:03,740 --> 00:23:00,840

either epigenetics is a inheritable

518

00:23:06,740 --> 00:23:03,750

trait that is not involved with changing

519

00:23:09,440 --> 00:23:06,750

the DNA sequence so it's a whether the

520

00:23:11,810 --> 00:23:09,450

DNA expresses itself or not oh dear

521

00:23:13,280 --> 00:23:11,820

there's someone singing you know you

522

00:23:14,419 --> 00:23:13,290

know when you go to a pub and then you

523

00:23:17,299 --> 00:23:14,429

have your really good time and then

524

00:23:20,360 --> 00:23:17,309

someone starts singing on a no just

525

00:23:21,860 --> 00:23:20,370

someone singing it's you know

526

00:23:24,360 --> 00:23:21,870

[Music]

527

00:23:26,930 --> 00:23:24,370

well there goes the conversation well

528

00:23:29,310 --> 00:23:26,940

particularly is that well I mean

529

00:23:30,870 --> 00:23:29,320

everyone knows that scientists are hot

530

00:23:33,360 --> 00:23:30,880

for the track easy like Sunday morning

531

00:23:35,220 --> 00:23:33,370

that is the track every everyone just

532

00:23:37,320 --> 00:23:35,230

loves that Lionel Lionel Richie I mean

533

00:23:39,090 --> 00:23:37,330

well you know it's not really a launch

534

00:23:42,990 --> 00:23:39,100

of anything unless some Lionel Richie's

535

00:23:45,360 --> 00:23:43,000

playing and if besides the scientists

536

00:23:47,970 --> 00:23:45,370

may finally hit decide may answer that

537

00:23:50,190 --> 00:23:47,980

question what is as easy as Sunday

538

00:23:51,810 --> 00:23:50,200

morning it's a bit like pi really no

539

00:23:53,549 --> 00:23:51,820

one's actually quite got all the digits

540

00:23:55,080 --> 00:23:53,559

worked out just how easy is Sunday

541

00:23:56,520 --> 00:23:55,090

morning Sunday mornings aren't easy

542

00:23:58,200 --> 00:23:56,530

because that's what I'm doing the

543

00:24:00,060 --> 00:23:58,210

finishing touch and touches to the

544

00:24:01,770 --> 00:24:00,070

skeptic zone not to say there you go you

545

00:24:04,020 --> 00:24:01,780

could be the exception of proves the

546

00:24:05,610 --> 00:24:04,030

rule so but I will be asking people that

547

00:24:07,140 --> 00:24:05,620

but yes epigenetics is what we're going

548

00:24:08,669 --> 00:24:07,150

to be talking about let's just see if

549

00:24:10,880 --> 00:24:08,679

this is a real thing or something I just

550

00:24:12,930 --> 00:24:10,890

read in the paper and thought was a real

551  
00:24:14,850 --> 00:24:12,940  
look around the room I can see we've got

552  
00:24:17,130 --> 00:24:14,860  
dr. Jody Rowley who is the Frog

553  
00:24:18,060 --> 00:24:17,140  
specialist here from the Australian ISM

554  
00:24:19,649 --> 00:24:18,070  
with dr. Karl

555  
00:24:21,539 --> 00:24:19,659  
dr. Karl's there I saw him with a

556  
00:24:22,529 --> 00:24:21,549  
Buddhist monk on Instagram to save the

557  
00:24:25,649 --> 00:24:22,539  
day he's worth following on Instagram

558  
00:24:26,880 --> 00:24:25,659  
dr. Karl and I looked a lot of people

559  
00:24:28,500 --> 00:24:26,890  
the drinks are holding out it's always

560  
00:24:29,549 --> 00:24:28,510  
the strength of an evening as to how

561  
00:24:31,440 --> 00:24:29,559  
long the drinks hold out for the

562  
00:24:33,210 --> 00:24:31,450  
catering Richard is know it is and the

563  
00:24:34,880 --> 00:24:33,220

drinks are truly holding up but we are

564

00:24:37,529 --> 00:24:34,890

in a room here at the Australian Museum

565

00:24:40,380 --> 00:24:37,539

filled to the brim with scientists it's

566

00:24:42,510 --> 00:24:40,390

an an incredible sight it really is yep

567

00:24:43,590 --> 00:24:42,520

hello now we're talking now we're

568

00:24:46,620 --> 00:24:43,600

talking a little bit of my wheelhouse

569

00:24:48,779 --> 00:24:46,630

here who've we got here hi Chloe and

570

00:24:50,220 --> 00:24:48,789

you've been looking at the relationship

571

00:24:52,560 --> 00:24:50,230

between comedy and science is that

572

00:24:54,720 --> 00:24:52,570

because you can do both attempt to do

573

00:24:56,310 --> 00:24:54,730

both and achieve neither but yeah I'm a

574

00:24:59,700 --> 00:24:56,320

science communicator and comedian doing

575

00:25:01,440 --> 00:24:59,710

a show at the Science Festival so what

576

00:25:02,880 --> 00:25:01,450

do you what routine you what area of

577

00:25:04,500 --> 00:25:02,890

science are you working with I imagine

578

00:25:06,090 --> 00:25:04,510

psychology to be a good one it would be

579

00:25:07,500 --> 00:25:06,100

a good one and not so much I'm actually

580

00:25:10,200 --> 00:25:07,510

doing a show on pair it's called

581

00:25:12,419 --> 00:25:10,210

parasites lost it's all about the

582

00:25:13,799 --> 00:25:12,429

parasites that I've contracted during my

583

00:25:14,190 --> 00:25:13,809

work in health education around the

584

00:25:16,260 --> 00:25:14,200

world

585

00:25:17,669 --> 00:25:16,270

oh so it's based on personal experience

586

00:25:19,710 --> 00:25:17,679

it's based on personal experience

587

00:25:21,750 --> 00:25:19,720

there's every good comedy show can

588

00:25:23,310 --> 00:25:21,760

should and should be exactly you

589

00:25:25,110 --> 00:25:23,320

basically you take it and you inflate it

590

00:25:26,669 --> 00:25:25,120

a little bit now what is the best part

591

00:25:28,169 --> 00:25:26,679

of the routine because also one thing

592

00:25:28,530 --> 00:25:28,179

you should always do and for the

593

00:25:30,060 --> 00:25:28,540

listener

594

00:25:32,310 --> 00:25:30,070

home when you're interviewing a comic

595

00:25:33,810 --> 00:25:32,320

never ever ask them to do a piece of

596

00:25:35,700 --> 00:25:33,820

their routine because it's designed to

597

00:25:37,680 --> 00:25:35,710

be performed in front of an audience not

598

00:25:39,210 --> 00:25:37,690

to a microphone with no audience so

599

00:25:41,250 --> 00:25:39,220

we're not going to ask for any of the

600

00:25:43,230 --> 00:25:41,260

actual routine what we do is we ask

601  
00:25:46,260 --> 00:25:43,240  
about what parts of the routine do you

602  
00:25:48,570 --> 00:25:46,270  
like I'll tell you that my favorite

603  
00:25:50,580 --> 00:25:48,580  
Billy the entire show is after the show

604  
00:25:52,440 --> 00:25:50,590  
every single time I've done the show

605  
00:25:54,600 --> 00:25:52,450  
I've had people with their own personal

606  
00:25:56,970 --> 00:25:54,610  
parasite experiences who come up and

607  
00:25:59,010 --> 00:25:56,980  
tell me about it and there's one

608  
00:26:02,130 --> 00:25:59,020  
particular parasite that I contracted

609  
00:26:03,780 --> 00:26:02,140  
called blastocyst as hominis which I met

610  
00:26:06,210 --> 00:26:03,790  
maybe nine people throughout the run of

611  
00:26:07,560 --> 00:26:06,220  
my show who also had it and can't get

612  
00:26:08,880 --> 00:26:07,570  
rid of it so there kind of comes when I

613  
00:26:11,130 --> 00:26:08,890

show me like how did you get rid of it

614

00:26:12,690 --> 00:26:11,140

and I have no answers for them but I

615

00:26:14,310 --> 00:26:12,700

have connected them to other people with

616

00:26:15,660 --> 00:26:14,320

the same parasite so I can continue have

617

00:26:17,340 --> 00:26:15,670

people coming up to you and showing you

618

00:26:19,980 --> 00:26:17,350

their rash and going what I reckon this

619

00:26:21,990 --> 00:26:19,990

is like have you read this one it's only

620

00:26:23,010 --> 00:26:22,000

being stories so far but I'm sure the

621

00:26:25,290 --> 00:26:23,020

rash is yet to come

622

00:26:27,870 --> 00:26:25,300

so how did you get these were you ad in

623

00:26:29,250 --> 00:26:27,880

the field yeah I was working in I've

624

00:26:32,490 --> 00:26:29,260

been working around the world in Uganda

625

00:26:34,470 --> 00:26:32,500

in Kenya and Cambodia and East Timor in

626

00:26:37,140 --> 00:26:34,480

health education so I'm very bad at my

627

00:26:39,750 --> 00:26:37,150

job essentially so what is your advice

628

00:26:41,370 --> 00:26:39,760

for people who maybe go to Bali and have

629

00:26:42,840 --> 00:26:41,380

a bit of barley belly because that would

630

00:26:44,850 --> 00:26:42,850

be just a dream for you that would be an

631

00:26:45,750 --> 00:26:44,860

easy thing to solve well what's the best

632

00:26:47,940 --> 00:26:45,760

thing to do is there something you

633

00:26:49,590 --> 00:26:47,950

should take rest and fluids like like

634

00:26:51,030 --> 00:26:49,600

most things most things will work their

635

00:26:53,460 --> 00:26:51,040

way through your system in three to five

636

00:26:54,420 --> 00:26:53,470

days but if it persists the longer than

637

00:26:56,100 --> 00:26:54,430

that you should see a doctor

638

00:26:57,870 --> 00:26:56,110

look I had something happen in Bali and

639

00:26:59,700 --> 00:26:57,880

I suspect I got it from I think it's a

640

00:27:01,080 --> 00:26:59,710

George the great gorilla that's in the

641

00:27:03,210 --> 00:27:01,090

cage there because he threw a banana

642

00:27:04,500 --> 00:27:03,220

peel it mean he's loved it all over and

643

00:27:06,330 --> 00:27:04,510

I picked it up and threw it back at the

644

00:27:07,950 --> 00:27:06,340

gorilla and I think I might have got

645

00:27:11,100 --> 00:27:07,960

some of that gorilla slobbery into me

646

00:27:13,290 --> 00:27:11,110

because I was really ill for five or six

647

00:27:16,620 --> 00:27:13,300

days this Indonesian doctor came and

648

00:27:18,000 --> 00:27:16,630

gave me these big size horse pills and I

649

00:27:19,350 --> 00:27:18,010

kept the box and brought them back to

650

00:27:21,720 --> 00:27:19,360

Australia to people who could speak

651  
00:27:23,820 --> 00:27:21,730  
Indonesian and read Indonesian they have

652  
00:27:25,230 --> 00:27:23,830  
no idea what those tablets were I can

653  
00:27:26,790 --> 00:27:25,240  
only assume that they're very powerful

654  
00:27:28,970 --> 00:27:26,800  
antibiotics that are illegal even in the

655  
00:27:30,980 --> 00:27:28,980  
Eastern Bloc

656  
00:27:32,419 --> 00:27:30,990  
hands-on all sorts of things in

657  
00:27:34,430 --> 00:27:32,429  
developing country you can get efferent

658  
00:27:36,649 --> 00:27:34,440  
and you can get straight Eliza's all

659  
00:27:38,810 --> 00:27:36,659  
sorts of things over-the-counter yeah so

660  
00:27:41,330 --> 00:27:38,820  
well that's why you do it obviously yeah

661  
00:27:43,009 --> 00:27:41,340  
I mean there's a lot of logic in getting

662  
00:27:45,590 --> 00:27:43,019  
treated for an illness in the place that

663  
00:27:47,600 --> 00:27:45,600

you contract the illness so when I got

664

00:27:48,980 --> 00:27:47,610

malaria and you get a half my family was

665

00:27:51,500 --> 00:27:48,990

like get on a plane come home straight

666

00:27:52,759 --> 00:27:51,510

away but it would have been a chaos to

667

00:27:54,320 --> 00:27:52,769

actually get treated for malaria in

668

00:27:56,629 --> 00:27:54,330

Australia because doctors don't have

669

00:27:57,259 --> 00:27:56,639

experience treating it so if you can

670

00:27:58,789 --> 00:27:57,269

check something

671

00:28:00,259 --> 00:27:58,799

infectious it's good to get treated for

672

00:28:01,490 --> 00:28:00,269

it in the area where you can tract it

673

00:28:03,139 --> 00:28:01,500

and after that goes have you had any

674

00:28:04,159 --> 00:28:03,149

ongoing symptoms from malaria because

675

00:28:04,549 --> 00:28:04,169

that can hang around for a very long

676

00:28:06,710 --> 00:28:04,559

time

677

00:28:09,590 --> 00:28:06,720

it used to there was one strain of

678

00:28:11,360 --> 00:28:09,600

malaria called Plasmodium vivax that

679

00:28:12,980 --> 00:28:11,370

used to not be treatable but it's

680

00:28:14,299 --> 00:28:12,990

treatable now so there's there's much

681

00:28:16,610 --> 00:28:14,309

better treatments familiar than they

682

00:28:18,710 --> 00:28:16,620

used to me all right hold this oh good

683

00:28:20,269 --> 00:28:18,720

where can we find you online to have a

684

00:28:21,560 --> 00:28:20,279

look at some of your routine and steal

685

00:28:24,649 --> 00:28:21,570

it and take it down the pub and do it on

686

00:28:26,360 --> 00:28:24,659

ever tonight well you can't if you want

687

00:28:27,950 --> 00:28:26,370

to come and see the show you can check

688

00:28:30,649 --> 00:28:27,960

out the Sydney Science Festival website

689

00:28:34,039 --> 00:28:30,659

and type in parasites lost and I'm at

690

00:28:35,509 --> 00:28:34,049

their UNSW Museum of human disease on

691

00:28:37,190 --> 00:28:35,519

the 9th and 10th and then the factory

692

00:28:38,750 --> 00:28:37,200

theatre the 11th on 12th of August and

693

00:28:40,610 --> 00:28:38,760

how difficult is it actually a

694

00:28:43,159 --> 00:28:40,620

family-friendly show it is a

695

00:28:45,649 --> 00:28:43,169

family-friendly show the only blue

696

00:28:47,629 --> 00:28:45,659

subjects talking about the the secret

697

00:28:49,370 --> 00:28:47,639

sex life of parasites as long as you're

698

00:28:51,649 --> 00:28:49,380

okay which I think all children should

699

00:28:53,210 --> 00:28:51,659

learn about at some point anyway so yes

700

00:28:54,740 --> 00:28:53,220

I think this is great I really like the

701  
00:28:55,970 --> 00:28:54,750  
idea that you're doing routines about

702  
00:28:57,740 --> 00:28:55,980  
your work it's great you think you've

703  
00:29:00,350 --> 00:28:57,750  
got a few more routines in there maybe

704  
00:29:02,210 --> 00:29:00,360  
maybe over this this year I did a show

705  
00:29:04,460 --> 00:29:02,220  
about my bees I'm also a beekeeper so

706  
00:29:07,340 --> 00:29:04,470  
it's called days of our hives oh wow

707  
00:29:10,399 --> 00:29:07,350  
right fantastic all over the shop so who

708  
00:29:12,500 --> 00:29:10,409  
do you blame for the declining bee

709  
00:29:14,810 --> 00:29:12,510  
population is it a pesticide thing or

710  
00:29:16,399 --> 00:29:14,820  
are they just confused by us well these

711  
00:29:18,110 --> 00:29:16,409  
are actually increasing in population in

712  
00:29:20,720 --> 00:29:18,120  
Australia we're very very lucky

713  
00:29:22,399 --> 00:29:20,730

but it's the varroa mite is this tiny

714

00:29:23,840 --> 00:29:22,409

little parasite that actually gets onto

715

00:29:25,039 --> 00:29:23,850

the back of bees and then gets spread

716

00:29:27,380 --> 00:29:25,049

around but we're really lucky in

717

00:29:29,510 --> 00:29:27,390

Australia but we haven't actually let

718

00:29:30,860 --> 00:29:29,520

that parasite into the country yet so

719

00:29:32,419 --> 00:29:30,870

that's it I thought there was a bit of a

720

00:29:34,010 --> 00:29:32,429

pesticide issue there as well here is

721

00:29:36,260 --> 00:29:34,020

there's pesticides yeah there's there's

722

00:29:38,539 --> 00:29:36,270

no mystery about it neonicotinoids which

723

00:29:40,610 --> 00:29:38,549

he used for canola and others actually

724

00:29:42,200 --> 00:29:40,620

kill kill a lot and it's banned or

725

00:29:44,960 --> 00:29:42,210

through the EU but we still use it for a

726

00:29:46,159 --> 00:29:44,970

canola farms in Australia Wow so don't

727

00:29:48,500 --> 00:29:46,169

bring these into the country people

728

00:29:50,120 --> 00:29:48,510

we've got just nice ones here exactly

729

00:29:52,070 --> 00:29:50,130

we're very lucky to be in Ireland and

730

00:29:53,450 --> 00:29:52,080

somewhere he's lovely talking to you and

731

00:29:57,320 --> 00:29:53,460

see you online see you then

732

00:30:01,310 --> 00:29:59,210

okay yeah because wandering around here

733

00:30:02,690 --> 00:30:01,320

we've been lucky enough to bump into dr.

734

00:30:04,340 --> 00:30:02,700

Karl we're just going to go to a quiet

735

00:30:06,019 --> 00:30:04,350

area here which is just behind the

736

00:30:08,629 --> 00:30:06,029

screens it's still pretty noisy but dr.

737

00:30:09,889 --> 00:30:08,639

Karl good to good to bump into dr. Karl

738

00:30:15,139 --> 00:30:09,899

how many science weeks do you think

739

00:30:18,109 --> 00:30:15,149

you've been to now probably 20 or so Wow

740

00:30:19,430 --> 00:30:18,119

since the very early days I think I like

741

00:30:21,259 --> 00:30:19,440

about science week is it lasts for about

742

00:30:22,940 --> 00:30:21,269

one and a half weeks or three weeks or a

743

00:30:24,590 --> 00:30:22,950

month or something there's a lot of fun

744

00:30:26,119 --> 00:30:24,600

that is true and I saw you on your

745

00:30:27,799 --> 00:30:26,129

Instagram account and I recommend people

746

00:30:28,879 --> 00:30:27,809

follow dr. Karl on Instagram account

747

00:30:30,710 --> 00:30:28,889

because you were giving a water bottle

748

00:30:32,960 --> 00:30:30,720

to a Buddhist monk it looked like well

749

00:30:35,060 --> 00:30:32,970

I've spent the last month in Mongolia

750

00:30:38,659 --> 00:30:35,070

and Tibet and this amazing because

751

00:30:40,460 --> 00:30:38,669

firstly in Mongolia or babies are ugly

752

00:30:42,200 --> 00:30:40,470

you're not allowed to say that a baby is

753

00:30:44,119 --> 00:30:42,210

pretty because firstly that will

754

00:30:46,310 --> 00:30:44,129

encourage the evil spirits to come and

755

00:30:49,129 --> 00:30:46,320

steal it and secondly it's an insult to

756

00:30:51,560 --> 00:30:49,139

the parents because it's easy to love a

757

00:30:54,019 --> 00:30:51,570

pretty baby that it shows the true mark

758

00:30:56,479 --> 00:30:54,029

of a parent's love if they love an ugly

759

00:30:58,659 --> 00:30:56,489

baby and sigelei there's no such thing

760

00:31:00,889 --> 00:30:58,669

as Mongolian lamb into bed in Mongolia

761

00:31:02,539 --> 00:31:00,899

well we've had the speeches about the

762

00:31:04,129 --> 00:31:02,549

politicians we're the sponsors come out

763

00:31:05,419 --> 00:31:04,139

and say their thing which is important

764

00:31:07,340 --> 00:31:05,429

it's what goes on at these kind of

765

00:31:09,139 --> 00:31:07,350

things Carla did you like giving

766

00:31:10,399 --> 00:31:09,149

speeches structured speeches when you

767

00:31:13,430 --> 00:31:10,409

have to do this sort of thing sometimes

768

00:31:15,799 --> 00:31:13,440

the advantage of a structured speech is

769

00:31:18,590 --> 00:31:15,809

that you can say exactly what you really

770

00:31:21,499 --> 00:31:18,600

want to say in the right order with the

771

00:31:23,389 --> 00:31:21,509

right timing and the right cadence so of

772

00:31:25,909 --> 00:31:23,399

all the spontaneous speeches the

773

00:31:27,259 --> 00:31:25,919

prepared ones are the best thanks girl

774

00:31:29,090 --> 00:31:27,269

now you were saying you I've been

775

00:31:31,070 --> 00:31:29,100

through now I've just been reading a lot

776

00:31:32,479 --> 00:31:31,080

about Manchuria and how it changed hands

777

00:31:33,919 --> 00:31:32,489

with the Japanese and the Soviets and

778

00:31:35,509 --> 00:31:33,929

that kind of thing but it's not where

779

00:31:37,310 --> 00:31:35,519

you were you a bit more to the right of

780

00:31:39,590 --> 00:31:37,320

that area here we were up in genuine

781

00:31:43,009 --> 00:31:39,600

Mongolia and the amazing thing is that

782

00:31:45,680 --> 00:31:43,019

the Mongolians invaded the world not

783

00:31:48,259 --> 00:31:45,690

once not twice but three times heard of

784

00:31:52,099 --> 00:31:48,269

Attila the Hun oh yeah he got to Germany

785

00:31:54,440 --> 00:31:52,109

he was a Mongolian right and the genghis

786

00:31:57,019 --> 00:31:54,450

khan now announced jenga's or genghis

787

00:31:58,460 --> 00:31:57,029

chingus jingis i was just speaking for

788

00:31:59,539 --> 00:31:58,470

the Australian audits but Chingiz so

789

00:32:02,050 --> 00:31:59,549

where's his term then mate you should

790

00:32:04,990 --> 00:32:02,060

know where's he's - nobody knows

791

00:32:07,660 --> 00:32:05,000

deliberately when he died he

792

00:32:10,180 --> 00:32:07,670

specifically asked that he be buried

793

00:32:13,180 --> 00:32:10,190

where nobody would ever find him because

794

00:32:17,140 --> 00:32:13,190

he wanted his legacy to be not him or

795

00:32:19,720 --> 00:32:17,150

his tomb but rather the nation that he

796

00:32:21,340 --> 00:32:19,730

left behind and so the Mongolians who

797

00:32:22,600 --> 00:32:21,350

buried him then killed everybody they

798

00:32:24,640 --> 00:32:22,610

came across so there'd be no

799

00:32:27,850 --> 00:32:24,650

recollection and nobody would ever tell

800

00:32:30,490 --> 00:32:27,860

the story so he's gone and he built an

801  
00:32:32,410 --> 00:32:30,500  
empire that was twice the size of

802  
00:32:34,900 --> 00:32:32,420  
Alexander the Great's four times the

803  
00:32:36,340 --> 00:32:34,910  
size of the Roman Empire and they

804  
00:32:40,240 --> 00:32:36,350  
reached all the way across to the

805  
00:32:43,360 --> 00:32:40,250  
village of crucial Natsuki in somewhere

806  
00:32:46,720 --> 00:32:43,370  
between Warsaw and Kiev and as a result

807  
00:32:49,930 --> 00:32:46,730  
I like eight percent of all Asian men

808  
00:32:51,970 --> 00:32:49,940  
have Chinggis Khaan DNA that's pretty

809  
00:32:53,410 --> 00:32:51,980  
hot now were they big on science

810  
00:32:56,290 --> 00:32:53,420  
development but or were they just sort

811  
00:32:58,960 --> 00:32:56,300  
of agrarian people with horses the

812  
00:33:02,830 --> 00:32:58,970  
latter but with a good news a good

813  
00:33:05,200 --> 00:33:02,840

knowledge of psychology and as I said

814

00:33:07,240 --> 00:33:05,210

they killed nine one not one in every

815

00:33:10,390 --> 00:33:07,250

nine people on earth to build that huge

816

00:33:12,760 --> 00:33:10,400

empire but he also did good things like

817

00:33:16,150 --> 00:33:12,770

he banned I'm sorry to say yeah he

818

00:33:17,800 --> 00:33:16,160

banned kidnapping of brides because his

819

00:33:20,500 --> 00:33:17,810

own bride was kidnapped when he was 16

820

00:33:23,230 --> 00:33:20,510

and this led to division in the country

821

00:33:24,970 --> 00:33:23,240

he brought in the first postal service

822

00:33:26,860 --> 00:33:24,980

that went all the way across the

823

00:33:29,410 --> 00:33:26,870

Mongolian Empire he brought in the

824

00:33:32,890 --> 00:33:29,420

concept that representatives of other

825

00:33:35,410 --> 00:33:32,900

countries should be protected and it's

826

00:33:38,020 --> 00:33:35,420

called sometimes Mongolian law that an

827

00:33:39,820 --> 00:33:38,030

ambassador from another country is free

828

00:33:41,770 --> 00:33:39,830

of the laws of the country that he or

829

00:33:43,840 --> 00:33:41,780

she happens to be in diplomatic immunity

830

00:33:48,610 --> 00:33:43,850

yeah and he also brought in the world's

831

00:33:51,490 --> 00:33:48,620

first trade a free zone where there were

832

00:33:53,860 --> 00:33:51,500

no duties paid within a trade empire so

833

00:33:55,900 --> 00:33:53,870

he did bad things sure and he did good

834

00:33:57,850 --> 00:33:55,910

things sure

835

00:34:00,760 --> 00:33:57,860

and it was powered this is amazing thing

836

00:34:02,920 --> 00:34:00,770

for me by grass so you directly go

837

00:34:05,110 --> 00:34:02,930

across Mongolia and there's just grass

838

00:34:08,500 --> 00:34:05,120

everywhere and the grass got eaten by

839

00:34:10,540 --> 00:34:08,510

the ungulates the animals with four

840

00:34:12,640 --> 00:34:10,550

stomachs a bunch of stomachs so the

841

00:34:15,669 --> 00:34:12,650

Sheep the goats and the horses and the

842

00:34:18,940 --> 00:34:15,679

camels and they used these animals to

843

00:34:21,040 --> 00:34:18,950

then create the largest land Empire the

844

00:34:22,720 --> 00:34:21,050

world has ever known and of course in

845

00:34:24,280 --> 00:34:22,730

the way these things had crumbled away

846

00:34:26,169 --> 00:34:24,290

and got taken over by other empires

847

00:34:28,060 --> 00:34:26,179

further down the line now wouldn't they

848

00:34:29,710 --> 00:34:28,070

been a bit scared of lightning because

849

00:34:31,000 --> 00:34:29,720

there's no trees on the plain and if

850

00:34:34,210 --> 00:34:31,010

you're the tallest thing don't you get

851  
00:34:35,800 --> 00:34:34,220  
hit in general yes I don't know what I

852  
00:34:38,560 --> 00:34:35,810  
haven't read about their feelings about

853  
00:34:39,640 --> 00:34:38,570  
lightning though I love their clothing

854  
00:34:42,610 --> 00:34:39,650  
they still wear their clothing the

855  
00:34:46,120 --> 00:34:42,620  
country's district or 3 million

856  
00:34:47,830 --> 00:34:46,130  
population about 1/8 of Australia but

857  
00:34:50,560 --> 00:34:47,840  
instead of a gross national domestic

858  
00:34:53,320 --> 00:34:50,570  
product of 15 hundred billion like we

859  
00:34:55,810 --> 00:34:53,330  
have or 1/8 of it say 200 billion

860  
00:34:57,430 --> 00:34:55,820  
they've got 40 so this is a dual economy

861  
00:34:59,260 --> 00:34:57,440  
you've got very rich people and very

862  
00:35:01,510 --> 00:34:59,270  
poor people like South America no but

863  
00:35:04,000 --> 00:35:01,520

you've got massive corruption so when

864

00:35:07,240 --> 00:35:04,010

one of the big mining companies came in

865

00:35:10,360 --> 00:35:07,250

instead of paying for the royalties for

866

00:35:12,280 --> 00:35:10,370

all the rituals are taking out what they

867

00:35:14,770 --> 00:35:12,290

did was sign an agreement that further

868

00:35:17,830 --> 00:35:14,780

down the line they would make a loan to

869

00:35:19,210 --> 00:35:17,840

the Mongolian government right I mean

870

00:35:21,220 --> 00:35:19,220

they can get that loan from a bank it

871

00:35:23,260 --> 00:35:21,230

sucks that's a pretty poor jail

872

00:35:25,090 --> 00:35:23,270

it's a terrible deal but the people are

873

00:35:26,590 --> 00:35:25,100

quite happy and for me they're really

874

00:35:28,300 --> 00:35:26,600

other big the other really big surprise

875

00:35:31,750 --> 00:35:28,310

besides the fact that all babies are

876

00:35:33,340 --> 00:35:31,760

ugly and that men understate their age

877

00:35:35,020 --> 00:35:33,350

to appear more manly while women

878

00:35:37,060 --> 00:35:35,030

overstate their age to be this

879

00:35:40,020 --> 00:35:37,070

attractive to the other gender is that

880

00:35:42,430 --> 00:35:40,030

Mongolian lamb does not exist as a dish

881

00:35:44,830 --> 00:35:42,440

yeah bit like all the Chinese dishes as

882

00:35:47,860 --> 00:35:44,840

well that we have you know they exist

883

00:35:48,339 --> 00:35:47,870

only on Western menus right so Mongolian

884

00:35:50,259 --> 00:35:48,349

lamb

885

00:35:53,710 --> 00:35:50,269

which is the thin slices of meat about

886

00:35:56,920 --> 00:35:53,720

an inch bar across maybe 25 millimeters

887

00:35:59,799 --> 00:35:56,930

it's a highly crisped fried and served

888

00:36:02,170 --> 00:35:59,809

in a very hot cast-iron tray which then

889

00:36:05,650 --> 00:36:02,180

sits in a wooden tray that is actually a

890

00:36:09,219 --> 00:36:05,660

Korean dish Mongolian lamb exists but

891

00:36:10,930 --> 00:36:09,229

it's sort of like boiled lamb in some

892

00:36:12,249 --> 00:36:10,940

kind of soup and pretty well everything

893

00:36:13,979 --> 00:36:12,259

you get is like that

894

00:36:17,440 --> 00:36:13,989

I want to occasionally try to get

895

00:36:23,499 --> 00:36:17,450

fatigue reducing te it turned out to be

896

00:36:24,940 --> 00:36:23,509

really salty fatty lamb broth yeah but

897

00:36:26,589 --> 00:36:24,950

on the other hand the people are quite

898

00:36:28,210 --> 00:36:26,599

happy maybe they have a sort of a

899

00:36:29,859 --> 00:36:28,220

superstition there was something that

900

00:36:31,719 --> 00:36:29,869

you picked up on a local sort of whoo

901  
00:36:34,660 --> 00:36:31,729  
that that they believe in they've got

902  
00:36:36,880 --> 00:36:34,670  
many they believe that the land is alive

903  
00:36:40,150 --> 00:36:36,890  
there an animal society and the land

904  
00:36:41,859 --> 00:36:40,160  
must be protected they also a strongly

905  
00:36:45,069 --> 00:36:41,869  
Buddhist which changes their thinking as

906  
00:36:46,509 --> 00:36:45,079  
well do they have the the man-eating

907  
00:36:48,940 --> 00:36:46,519  
earth one is that the one that is there

908  
00:36:50,769 --> 00:36:48,950  
the Mongolian eating worm that pops up

909  
00:36:52,299 --> 00:36:50,779  
out of the ground and it's a monster

910  
00:36:54,370 --> 00:36:52,309  
thing is that there's I think that

911  
00:36:59,049 --> 00:36:54,380  
belongs in the movie or the book dude

912  
00:37:00,430 --> 00:36:59,059  
quite frank again movies crating the

913  
00:37:02,349 --> 00:37:00,440

whole thing is that the most fascinating

914

00:37:05,769 --> 00:37:02,359

country have been to currently been to

915

00:37:06,910 --> 00:37:05,779

many yeah it's the last one I went to so

916

00:37:08,469 --> 00:37:06,920

this was the most fascinating well

917

00:37:10,209 --> 00:37:08,479

actually the last almost a bit which is

918

00:37:11,529 --> 00:37:10,219

also more fascinating so they're all

919

00:37:13,749 --> 00:37:11,539

different in their own ways a

920

00:37:15,819 --> 00:37:13,759

desperately poor country being ripped

921

00:37:18,190 --> 00:37:15,829

off by big companies will find their own

922

00:37:20,259 --> 00:37:18,200

way and here's a weird thing in general

923

00:37:23,499 --> 00:37:20,269

the women are more highly educated than

924

00:37:25,299 --> 00:37:23,509

the men because the men and a women need

925

00:37:26,950 --> 00:37:25,309

to be catered for in her later lives by

926

00:37:28,450 --> 00:37:26,960

their parents and the parents always

927

00:37:30,609 --> 00:37:28,460

think that the key the guys can always

928

00:37:32,229 --> 00:37:30,619

go and dig a ditch so the men the women

929

00:37:35,140 --> 00:37:32,239

not being so good at digging ditches

930

00:37:37,150 --> 00:37:35,150

they get university education so the

931

00:37:54,970 --> 00:37:37,160

women tend to be more educated than the

932

00:38:02,329 --> 00:37:58,609

20:18 bent spoon your jets to nominate

933

00:38:03,829 --> 00:38:02,339

an unworthy winner again this comes to

934

00:38:06,290 --> 00:38:03,839

us from the Australian skeptics at

935

00:38:10,300 --> 00:38:06,300

skeptics comdata you written by Tim

936

00:38:13,640 --> 00:38:10,310

Mendham published on the 31st of July

937

00:38:16,130 --> 00:38:13,650

the Australian skeptics bent spoon Ward

938

00:38:19,190 --> 00:38:16,140

is one of the least sought-after credits

939

00:38:21,230 --> 00:38:19,200

in the skeptical world or any world for

940

00:38:24,770 --> 00:38:21,240

that matter it has been awarded every

941

00:38:26,810 --> 00:38:24,780

year since 1982 and it recognizes the

942

00:38:29,150 --> 00:38:26,820

perpetrator of the most preposterous

943

00:38:32,420 --> 00:38:29,160

piece of paranormal or pseudo scientific

944

00:38:35,390 --> 00:38:32,430

people luminaries who have been past

945

00:38:40,280 --> 00:38:35,400

winners include paleo Pete Evans Larry

946

00:38:42,319 --> 00:38:40,290

Marshall head of the CSIRO RMIT Julie Y

947

00:38:45,410 --> 00:38:42,329

Lehman and the University of Wollongong

948

00:38:49,730 --> 00:38:45,420

Merrill Dory and the AVN also known as

949

00:38:52,640 --> 00:38:49,740

the APS n now the AV are in the

950

00:38:55,400 --> 00:38:52,650

pharmacies of Australia and a psychic

951  
00:38:57,380 --> 00:38:55,410  
dentist nominations come from the public

952  
00:39:00,020 --> 00:38:57,390  
and this year we have received

953  
00:39:02,329 --> 00:39:00,030  
nominations for the Therapeutic Goods

954  
00:39:03,770 --> 00:39:02,339  
Administration and the Australian

955  
00:39:06,559 --> 00:39:03,780  
government for their list of quote

956  
00:39:08,300 --> 00:39:06,569  
permissible indications unquote how to

957  
00:39:10,790 --> 00:39:08,310  
create a list of the most ridiculous

958  
00:39:11,480 --> 00:39:10,800  
medical conditions inhibited water

959  
00:39:14,839 --> 00:39:11,490  
anyone

960  
00:39:17,750 --> 00:39:14,849  
Sarah's Stevenson for her Sarah's Day

961  
00:39:20,809 --> 00:39:17,760  
podcast in which she claims to have cued

962  
00:39:23,809 --> 00:39:20,819  
a precancerous condition with a plethora

963  
00:39:26,510 --> 00:39:23,819

of supplements and dose of Prayer and

964

00:39:30,319 --> 00:39:26,520

her naturopaths seal of approval

965

00:39:32,420 --> 00:39:30,329

guava thruster fins for surfboards where

966

00:39:35,240 --> 00:39:32,430

the design will pull you through the

967

00:39:37,760 --> 00:39:35,250

water defying all the rules of physics

968

00:39:40,220 --> 00:39:37,770

we would love to hear from any other

969

00:39:42,170 --> 00:39:40,230

noteworthy candidates if you'd like to

970

00:39:44,540 --> 00:39:42,180

put someone forward for this non

971

00:39:49,640 --> 00:39:44,550

prestigious award and go to the bent

972

00:39:51,800 --> 00:39:49,650

spoon page at [www.viki.com](http://www.viki.com) on how to

973

00:39:54,750 --> 00:39:51,810

enter details on the current nominees

974

00:39:57,870 --> 00:39:54,760

and a list of past winners

975

00:39:59,370 --> 00:39:57,880

the winner of the 2018 bent spoon will

976

00:40:00,780 --> 00:39:59,380

be announced at skeptic on the

977

00:40:03,480 --> 00:40:00,790

Australian skeptics National Convention

978

00:40:07,500 --> 00:40:03,490

in Sydney on October the 13th and the

979

00:40:09,900 --> 00:40:07,510

14th nominations closed early in October

980

00:40:12,090 --> 00:40:09,910

so there you are folks if you're in

981

00:40:14,160 --> 00:40:12,100

Australia and you want to nominate

982

00:40:16,500 --> 00:40:14,170

somebody for the bent spoon go right

983

00:40:17,820 --> 00:40:16,510

ahead and you feel coming to skeptical

984

00:40:20,580 --> 00:40:17,830

later in the year you can have the

985

00:40:24,450 --> 00:40:20,590

thrill of being in the audience when the

986

00:40:46,940 --> 00:40:24,460

winner is announced don't forget to

987

00:40:49,740 --> 00:40:46,950

bring your spoons once again it was the

988

00:40:52,140 --> 00:40:49,750

great pleasure of myself and Maynard the

989

00:40:54,030 --> 00:40:52,150

head for the Australian Museum here in

990

00:40:56,270 --> 00:40:54,040

Sydney to perform the mystery

991

00:40:59,490 --> 00:40:56,280

investigators the science outreach show

992

00:41:02,910 --> 00:40:59,500

designed for primary school and high

993

00:41:05,220 --> 00:41:02,920

school students we have been doing this

994

00:41:07,890 --> 00:41:05,230

now for many years in the house from the

995

00:41:10,910 --> 00:41:07,900

theater at the Australian Museum water

996

00:41:15,480 --> 00:41:10,920

divining bed of nails optical illusions

997

00:41:18,599 --> 00:41:15,490

all sorts of mysteries and fun and games

998

00:41:22,290 --> 00:41:18,609

while the kids poured in the room was

999

00:41:24,480 --> 00:41:22,300

packed and I'd started the show with an

1000

00:41:27,210 --> 00:41:24,490

old favorite something the kids don't

1001  
00:41:33,339 --> 00:41:27,220  
know about really good old good old

1002  
00:41:36,840 --> 00:41:36,020  
that's how easily need to be trippin

1003  
00:41:42,450 --> 00:41:36,850  
fool

1004  
00:41:42,460 --> 00:41:51,750  
[Music]

1005  
00:41:51,760 --> 00:41:56,140  
[Applause]

1006  
00:42:00,709 --> 00:41:58,759  
of course the kids wanted to come up and

1007  
00:42:02,659 --> 00:42:00,719  
get the other spoon and look at an exam

1008  
00:42:04,729 --> 00:42:02,669  
in the mall which is great I guess

1009  
00:42:06,229 --> 00:42:04,739  
they're just being skeptical but spoon

1010  
00:42:09,679 --> 00:42:06,239  
bending is an important lesson because

1011  
00:42:12,319 --> 00:42:09,689  
it teaches us that what even our

1012  
00:42:16,429 --> 00:42:12,329  
grandparents thought was wonderful and a

1013  
00:42:18,319 --> 00:42:16,439

miracle is just a simple illusion much

1014

00:42:20,899 --> 00:42:18,329

later on in the show comes the old

1015

00:42:31,759 --> 00:42:20,909

favorite another old favorite the bed of

1016

00:42:35,899 --> 00:42:31,769

nails so I lie down carefully on the bed

1017

00:42:43,230 --> 00:42:35,909

of nails main arts making a fuss behind

1018

00:42:43,240 --> 00:42:58,000

[Music]

1019

00:43:03,790 --> 00:43:00,710

of course what happens is Maynard climbs

1020

00:43:05,990 --> 00:43:03,800

on my back and plays the trombone

1021

00:43:09,470 --> 00:43:06,000

standing on my back while I'm lying on

1022

00:43:10,730 --> 00:43:09,480

the bed of nails never fails to get lots

1023

00:43:12,350 --> 00:43:10,740

of applause and laughter from the

1024

00:43:14,140 --> 00:43:12,360

students but again we make the

1025

00:43:22,280 --> 00:43:14,150

scientific point about pressure and

1026  
00:43:26,700 --> 00:43:25,110  
thank you again to Australia Museum and

1027  
00:43:40,970 --> 00:43:26,710  
thanks to all the kids who came along to

1028  
00:43:59,140 --> 00:43:43,720  
[Applause]

1029  
00:44:05,420 --> 00:44:02,569  
hi this is dr. Pamela gay from astronomy

1030  
00:44:07,309 --> 00:44:05,430  
cast each week Fraser Cain and I take

1031  
00:44:09,529 --> 00:44:07,319  
our listeners on a fact-based journey

1032  
00:44:12,259 --> 00:44:09,539  
through the cosmos with our weekly

1033  
00:44:15,079 --> 00:44:12,269  
podcast we explain not just what we know

1034  
00:44:17,930 --> 00:44:15,089  
but how we know what we know about this

1035  
00:44:20,390 --> 00:44:17,940  
universe that we share check us out at

1036  
00:44:22,789 --> 00:44:20,400  
astronomy cast calm and look for us in

1037  
00:44:29,380 --> 00:44:22,799  
itunes google play and wherever you

1038  
00:44:29,390 --> 00:44:41,140

[Music]

1039

00:44:45,140 --> 00:44:43,460

thank you for listening to the skeptic

1040

00:44:48,050 --> 00:44:45,150

zone now next week we're going to bring

1041

00:44:49,940 --> 00:44:48,060

you part two of our Maenads spooky

1042

00:44:52,550 --> 00:44:49,950

action at the Australian Museum where is

1043

00:44:55,100 --> 00:44:52,560

interviewing lots of people so dr. Karl

1044

00:44:57,140 --> 00:44:55,110

interview part 2 plus lots of other

1045

00:44:58,820 --> 00:44:57,150

people who were there at the 9th which

1046

00:45:02,480 --> 00:44:58,830

we couldn't fit into this week's episode

1047

00:45:03,860 --> 00:45:02,490

also I'll bring you a report from speed

1048

00:45:06,170 --> 00:45:03,870

meet the scientists night at the

1049

00:45:08,270 --> 00:45:06,180

powerhouse museum together with some

1050

00:45:10,580 --> 00:45:08,280

interviews including Kate brown the

1051

00:45:12,140 --> 00:45:10,590

journalist and Alethea Dean from the

1052

00:45:16,610 --> 00:45:12,150

Australian skeptics to talk more about

1053

00:45:17,960 --> 00:45:16,620

the upcoming skeptic on 2018 thank you

1054

00:45:20,090 --> 00:45:17,970

to those people who chip into the

1055

00:45:22,520 --> 00:45:20,100

skeptic CERN at patreon or PayPal

1056

00:45:24,920 --> 00:45:22,530

I've been endeavouring to put up more

1057

00:45:26,690 --> 00:45:24,930

content at patreon actually little

1058

00:45:28,700 --> 00:45:26,700

snippets and bits and pieces to keep

1059

00:45:31,610 --> 00:45:28,710

that more interesting but all your

1060

00:45:35,780 --> 00:45:31,620

contributions mean the show keeps going

1061

00:45:38,120 --> 00:45:35,790

if you stop supporting the show the show

1062

00:45:38,420 --> 00:45:38,130

will stop and we don't want that to

1063

00:45:40,010 --> 00:45:38,430

happen

1064

00:45:42,500 --> 00:45:40,020

well maybe we do no we don't want that

1065

00:45:44,450 --> 00:45:42,510

to happen so thank you very much and

1066

00:45:45,950 --> 00:45:44,460

thank you to my new patreon over the

1067

00:45:48,610 --> 00:45:45,960

last couple of weeks

1068

00:45:50,960 --> 00:45:48,620

welcome aboard much appreciated and

1069

00:45:52,850 --> 00:45:50,970

because people have been requesting it

1070

00:45:57,260 --> 00:45:52,860

we're going to do one dice game this is

1071

00:46:00,110 --> 00:45:57,270

where I roll a die and you use your you

1072

00:46:02,180 --> 00:46:00,120

use your psychic powers to predict the

1073

00:46:03,410 --> 00:46:02,190

answer which is in the past because by

1074

00:46:05,120 --> 00:46:03,420

the time you've heard this I've already

1075

00:46:06,710 --> 00:46:05,130

rolled the dice but you haven't heard it

1076

00:46:11,330 --> 00:46:06,720

yet so it's in your future for it that

1077

00:46:13,490 --> 00:46:11,340

won't be different today today's mystery

1078

00:46:16,010 --> 00:46:13,500

number will be between one and a

1079

00:46:19,850 --> 00:46:16,020

thousand and I achieved that by rolling

1080

00:46:20,870 --> 00:46:19,860

a ten sided die three times hmm all

1081

00:46:23,920 --> 00:46:20,880

right here we go

1082

00:46:27,590 --> 00:46:23,930

so use your psychic powers predict

1083

00:46:31,700 --> 00:46:27,600

predict that number between 1 and 1000

1084

00:46:41,330 --> 00:46:31,710

here we go have you got your number the

1085

00:46:44,960 --> 00:46:41,340

number will be 442 so if you've got 442

1086

00:46:46,550 --> 00:46:44,970

well done but for this week write to

1087

00:46:48,710 --> 00:46:46,560

that again for fun for this week this is

1088

00:46:53,410 --> 00:46:48,720

Richard Saunders signing off from Sydney

1089

00:46:59,590 --> 00:46:55,910

you've been listening to the skeptic

1090

00:47:04,580 --> 00:46:59,600

zone podcast please visit our website at

1091

00:47:07,280 --> 00:47:04,590

WWDC because shownotes contacts and to

1092

00:47:11,030 --> 00:47:07,290

access the bat catalog of episodes going

1093

00:47:13,840 --> 00:47:11,040

back to 2008 you can follow the skeptic

1094

00:47:16,580 --> 00:47:13,850

zone podcast on twitter at skeptic zone

1095

00:47:20,000 --> 00:47:16,590

visit our facebook page or leave a

1096

00:47:22,970 --> 00:47:20,010

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1097

00:47:25,400 --> 00:47:22,980

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1098

00:47:28,070 --> 00:47:25,410

the skeptic zone podcast is an

1099

00:47:29,900 --> 00:47:28,080

independent production reviews and

1100

00:47:32,150 --> 00:47:29,910

opinions expressed on the skeptic zone

1101

00:47:34,700 --> 00:47:32,160

are not necessarily those of Australian

1102

00:47:35,570 --> 00:47:34,710

skeptics or any other sceptical

1103

00:47:46,100 --> 00:47:35,580

organisation

1104

00:47:50,400 --> 00:47:48,300

now all right you people who listen

1105

00:47:54,300 --> 00:47:50,410

after the music predict again this will