

**The Skeptic Zone**  
**Show 294 - 8 June 2014**



**Theo Clark**

1  
00:00:22,630 --> 00:00:09,100  
welcome to the skeptic zone the podcast

2  
00:00:28,970 --> 00:00:25,490  
hello and welcome to the skeptics are an

3  
00:00:32,180 --> 00:00:28,980  
episode about 294 I think that's my

4  
00:00:34,550 --> 00:00:32,190  
lucky number for the eighth of jun 2014

5  
00:00:37,400 --> 00:00:34,560  
Richard Saunders here with you from

6  
00:00:39,020 --> 00:00:37,410  
Sydney Australia coming up on this

7  
00:00:43,160 --> 00:00:39,030  
week's show we're going to kick off with

8  
00:00:46,910 --> 00:00:43,170  
a Rancic Evan not a QED this time but at

9  
00:00:49,070 --> 00:00:46,920  
skeptic camp in Manchester and Iran will

10  
00:00:52,880 --> 00:00:49,080  
give those people and you of course an

11  
00:00:56,780 --> 00:00:52,890  
oversight I run down a look into a peep

12  
00:00:58,810 --> 00:00:56,790  
into the goings-on and the story some of

13  
00:01:01,310 --> 00:00:58,820

the story behind the Australian skeptics

14

00:01:02,210 --> 00:01:01,320

after that it's a wig in science from

15

00:01:04,219 --> 00:01:02,220

our good friends at the Royal

16

00:01:08,300 --> 00:01:04,229

Institution of Australia do a wonderful

17

00:01:10,910 --> 00:01:08,310

job r-ia us dot org dot a you and then I

18

00:01:15,170 --> 00:01:10,920

interview Theo Clark from Brisbane Theo

19

00:01:17,180 --> 00:01:15,180

Clark has written the second version of

20

00:01:22,249 --> 00:01:17,190

a book called humbug you know this is

21

00:01:23,660 --> 00:01:22,259

all about logical fallacies and mistakes

22

00:01:26,210 --> 00:01:23,670

and arguments and things you know like

23

00:01:28,669 --> 00:01:26,220

the argument from antiquity and the

24

00:01:31,219 --> 00:01:28,679

argument from celebrity in the straw man

25

00:01:33,529 --> 00:01:31,229

argument and the false dichotomy all

26

00:01:36,350 --> 00:01:33,539

those things all those things are

27

00:01:38,930 --> 00:01:36,360

explained in detail in Theo's book

28

00:01:41,900 --> 00:01:38,940

humbug which is a guide to spotting

29

00:01:45,460 --> 00:01:41,910

fallacies and deceptive arguments you

30

00:01:50,419 --> 00:01:45,470

can get humbug online if you go to ww

31

00:01:52,040 --> 00:01:50,429

skeptics field guide dot net download

32

00:01:54,169 --> 00:01:52,050

that book for only a couple of dollars i

33

00:01:57,949 --> 00:01:54,179

think and whack it on to your mobile

34

00:01:59,330 --> 00:01:57,959

device your your iPad or your google pad

35

00:02:02,870 --> 00:01:59,340

or whatever players you have these days

36

00:02:05,839 --> 00:02:02,880

and i must say i find it an invaluable

37

00:02:08,510 --> 00:02:05,849

resource will find out more about humbug

38

00:02:10,550 --> 00:02:08,520

coming up later on in the show and to

39

00:02:12,500 --> 00:02:10,560

round off the show i'm off to skeptics

40

00:02:17,800 --> 00:02:12,510

in the pub here in sydney where I just

41

00:02:20,870 --> 00:02:17,810

sort of well chapter people that's about

42

00:02:23,210 --> 00:02:20,880

sums it up I guess I just run around

43

00:02:24,949 --> 00:02:23,220

with my microphone and just chat to

44

00:02:28,700 --> 00:02:24,959

people about why they've come to

45

00:02:30,260 --> 00:02:28,710

skeptics in the pub and how you too if

46

00:02:32,000 --> 00:02:30,270

you're in the sydney area you can be

47

00:02:33,190 --> 00:02:32,010

involved in skeptics in the pub and even

48

00:02:35,500 --> 00:02:33,200

give a talk and

49

00:02:37,420 --> 00:02:35,510

to round off the show and those people

50

00:02:40,930 --> 00:02:37,430

in Canberra my friends those Canberra

51  
00:02:42,430 --> 00:02:40,940  
skeptics they're never not busy on the

52  
00:02:45,040 --> 00:02:42,440  
tour the June there's another tour

53  
00:02:46,650 --> 00:02:45,050  
coming up stop blaming open-access

54  
00:02:49,119 --> 00:02:46,660  
what's wrong with scholarly

55  
00:02:50,920 --> 00:02:49,129  
communication if you're interested in

56  
00:02:52,630 --> 00:02:50,930  
that sort of talk or you're in the

57  
00:02:54,910 --> 00:02:52,640  
canberra area and you want to find out

58  
00:02:57,250 --> 00:02:54,920  
more about the local skeptical seen

59  
00:03:02,460 --> 00:02:57,260  
under the presidency of Lauren Cochrane

60  
00:03:04,720 --> 00:03:02,470  
run to Canberra skeptics org a you

61  
00:03:06,610 --> 00:03:04,730  
always something going on with the

62  
00:03:07,870 --> 00:03:06,620  
camera skeptics huh certainly take my

63  
00:03:09,970 --> 00:03:07,880

hat off to them but of course they're

64

00:03:12,069 --> 00:03:09,980

not the only active skeptics around the

65

00:03:15,520 --> 00:03:12,079

country there's also the Mahdi Alex

66

00:03:18,280 --> 00:03:15,530

skeptics down just south of melbourne

67

00:03:23,259 --> 00:03:18,290

you can find them at meet up more tea m

68

00:03:25,750 --> 00:03:23,269

0 rd I skeptics check them out and don't

69

00:03:28,210 --> 00:03:25,760

forget coming up next month is bris

70

00:03:29,740 --> 00:03:28,220

skeptic camp skeptic camp in Brisbane

71

00:03:31,350 --> 00:03:29,750

actually there's a little bit more

72

00:03:34,390 --> 00:03:31,360

information about that coming up

73

00:03:36,400 --> 00:03:34,400

somewhere in today's show now for you

74

00:03:39,759 --> 00:03:36,410

people who subscribe to the skeptic

75

00:03:41,740 --> 00:03:39,769

magazine ah it's in the post I've been

76

00:03:43,750 --> 00:03:41,750

told it's in the post as we speak but of

77

00:03:46,690 --> 00:03:43,760

course if you subscribe to the digital

78

00:03:49,629 --> 00:03:46,700

copy I'm sure you're sitting back and

79

00:03:51,340 --> 00:03:49,639

enjoying your magazine well I hope

80

00:03:52,509 --> 00:03:51,350

you're taking out time to listen to the

81

00:03:53,890 --> 00:03:52,519

skeptics own and then get straight back

82

00:03:57,309 --> 00:03:53,900

to the magazine where you can read a

83

00:03:59,710 --> 00:03:57,319

report by Joe alabaster report by me

84

00:04:02,410 --> 00:03:59,720

about the paranormal convention and all

85

00:04:04,150 --> 00:04:02,420

sorts of other goodies if you want to

86

00:04:06,160 --> 00:04:04,160

subscribe to the skeptic magazine and I

87

00:04:10,690 --> 00:04:06,170

sincerely hope you do just go to

88

00:04:13,840 --> 00:04:10,700

skeptics com au / publications to find

89

00:04:15,309 --> 00:04:13,850

out more there's even an article oh yes

90

00:04:17,400 --> 00:04:15,319

there's even an article by Heidi

91

00:04:20,849 --> 00:04:17,410

Robinson from the Northern Rivers

92

00:04:25,600 --> 00:04:20,859

vaccination supporters Northern Rivers

93

00:04:29,290 --> 00:04:25,610

vaccination supporters dot org hello

94

00:04:33,339 --> 00:04:29,300

Heidi hello Charlie hello Hugo but for

95

00:04:36,250 --> 00:04:33,349

now it's time for me to oh hello hello

96

00:04:39,310 --> 00:04:36,260

Fred are you going to mouth for the

97

00:04:42,700 --> 00:04:39,320

people this week knowings going to run

98

00:04:44,620 --> 00:04:42,710

away instead and sit down hmm typical

99

00:04:45,760 --> 00:04:44,630

cut but for now I'm going to run

100

00:04:48,070 --> 00:04:45,770

downstairs give

101  
00:04:49,930 --> 00:04:48,080  
to cut a pat on the head on the way open

102  
00:04:52,839 --> 00:04:49,940  
up the fridge get out that waffle mix

103  
00:04:54,820 --> 00:04:52,849  
make myself up a batch of waffles with

104  
00:05:14,190 --> 00:04:54,830  
maple syrup and while I'm doing that I

105  
00:05:30,520 --> 00:05:16,800  
little take this with a grain of salt

106  
00:05:32,800 --> 00:05:30,530  
he's around first want to build on

107  
00:05:36,220 --> 00:05:32,810  
something that Marsh said about half day

108  
00:05:38,320 --> 00:05:36,230  
we strated had something similar a few

109  
00:05:39,850 --> 00:05:38,330  
years ago we didn't to the marsh said

110  
00:05:41,860 --> 00:05:39,860  
you want to do it in London because it's

111  
00:05:44,380 --> 00:05:41,870  
easy to get to in the population density

112  
00:05:47,170 --> 00:05:44,390  
we chose a spot that is about halfway

113  
00:05:48,970 --> 00:05:47,180

between Sydney and Melbourne and equally

114

00:05:51,940 --> 00:05:48,980

difficult to get to for both of those

115

00:05:54,310 --> 00:05:51,950

days just to make sure that nobody is

116

00:05:56,920 --> 00:05:54,320

offended so Australia's skeptics

117

00:05:59,770 --> 00:05:56,930

festival a bit of a primer on Australian

118

00:06:01,690 --> 00:05:59,780

skeptics the story skeptics is a not a

119

00:06:03,070 --> 00:06:01,700

single organization there is an

120

00:06:04,720 --> 00:06:03,080

organization called Australian skeptics

121

00:06:07,270 --> 00:06:04,730

Inc that is the group in New South Wales

122

00:06:10,750 --> 00:06:07,280

the group that I belong to and was the

123

00:06:14,140 --> 00:06:10,760

former president of we are the de facto

124

00:06:15,730 --> 00:06:14,150

national national body but we are not

125

00:06:17,650 --> 00:06:15,740

the only ones and we do work in

126  
00:06:19,240 --> 00:06:17,660  
collaboration with groups across the

127  
00:06:21,910 --> 00:06:19,250  
various states and territories in

128  
00:06:24,820 --> 00:06:21,920  
Australia when I speak about Australian

129  
00:06:25,930 --> 00:06:24,830  
skeptics I'm not speaking just about the

130  
00:06:27,430 --> 00:06:25,940  
organization use of worlds caught

131  
00:06:29,290 --> 00:06:27,440  
Australian skeptics although it's

132  
00:06:30,610 --> 00:06:29,300  
primarily about that but I'm talking

133  
00:06:33,250 --> 00:06:30,620  
about them speaking about all those

134  
00:06:35,140 --> 00:06:33,260  
different groups and also just skeptics

135  
00:06:38,980 --> 00:06:35,150  
in Australia who collaborate with us and

136  
00:06:41,140 --> 00:06:38,990  
work closely with us so we try to be we

137  
00:06:44,020 --> 00:06:41,150  
try to do as much as possible the

138  
00:06:46,390 --> 00:06:44,030

opposite of armchair skepticism p try to

139

00:06:48,280 --> 00:06:46,400

be active and actually do things that

140

00:06:49,180 --> 00:06:48,290

achieve results and I want to talk to

141

00:06:50,860 --> 00:06:49,190

you about a few things that we've done

142

00:06:52,300 --> 00:06:50,870

in recent years just to give you a bit

143

00:06:54,460 --> 00:06:52,310

of a flavor of the kind of things that

144

00:06:55,559 --> 00:06:54,470

we do so the first thing I want to

145

00:06:57,269 --> 00:06:55,569

mention is

146

00:06:58,859 --> 00:06:57,279

the story of ken harvey dr. ken harvey

147

00:07:02,159 --> 00:06:58,869

some of you will have heard of him he's

148

00:07:05,159 --> 00:07:02,169

a professor now retired professor of

149

00:07:07,619 --> 00:07:05,169

Public Health who is a serial

150

00:07:09,510 --> 00:07:07,629

complainant to the TGA which is the

151  
00:07:11,669 --> 00:07:09,520  
equivalent of the FDR not sure what it

152  
00:07:13,679 --> 00:07:11,679  
is in the UK but basically it's the

153  
00:07:18,299 --> 00:07:13,689  
organization the government organization

154  
00:07:19,859 --> 00:07:18,309  
that controls medicine medicine and he

155  
00:07:22,320 --> 00:07:19,869  
complains to them about all kinds of

156  
00:07:24,299 --> 00:07:22,330  
quacks and quackery and he complained

157  
00:07:26,689 --> 00:07:24,309  
about this company called sense Aslam

158  
00:07:29,459 --> 00:07:26,699  
who was selling a a slimming solution

159  
00:07:32,070 --> 00:07:29,469  
that some spray that is supposed to work

160  
00:07:35,159 --> 00:07:32,080  
in your sleep now he complained about

161  
00:07:37,969 --> 00:07:35,169  
them based on the available laws they

162  
00:07:41,040 --> 00:07:37,979  
soon him they sued him for deformation

163  
00:07:42,959 --> 00:07:41,050

the wall of the hope the whole process

164

00:07:45,029 --> 00:07:42,969

of the TG is extremely slow it's a very

165

00:07:47,429 --> 00:07:45,039

very weak organization and sorry

166

00:07:50,790 --> 00:07:47,439

unfortunately and during the process of

167

00:07:53,879 --> 00:07:50,800

the TJ working on the complaint sense

168

00:07:57,230 --> 00:07:53,889

Aslam took a sledgehammer to can help me

169

00:07:59,909 --> 00:07:57,240

try to try to silence him by suing him

170

00:08:02,459 --> 00:07:59,919

when we heard about this what we did was

171

00:08:05,670 --> 00:08:02,469

we went on a huge public campaign to

172

00:08:08,609 --> 00:08:05,680

raise funds for his defense and the idea

173

00:08:10,529 --> 00:08:08,619

was that ken harvey must not be a single

174

00:08:11,699 --> 00:08:10,539

cent out of pocket for that kind of

175

00:08:13,379 --> 00:08:11,709

thing because that would send the wrong

176

00:08:16,399 --> 00:08:13,389

message to cracks out there that they

177

00:08:19,290 --> 00:08:16,409

can silence people I can who's it he

178

00:08:21,299 --> 00:08:19,300

there's a guy coming who said that Ken

179

00:08:24,779 --> 00:08:21,309

hobby is our regulatory system he's

180

00:08:26,909 --> 00:08:24,789

responsible for the fact that that there

181

00:08:29,670 --> 00:08:26,919

is some level of control criteria in

182

00:08:31,559 --> 00:08:29,680

Australia so we made a point of making

183

00:08:33,420 --> 00:08:31,569

sure that his expenses were covered and

184

00:08:35,670 --> 00:08:33,430

we've actually had the pledges in about

185

00:08:38,939 --> 00:08:35,680

three weeks we had pledges of about

186

00:08:42,449 --> 00:08:38,949

twenty-five thousand dollars and of

187

00:08:44,189 --> 00:08:42,459

those \$25,000 twenty four thousand

188

00:08:46,259 --> 00:08:44,199

dollars six hundred were actually paid

189

00:08:48,840 --> 00:08:46,269

so these were just pledges but basically

190

00:08:49,920 --> 00:08:48,850

anybody everybody who pledged actually

191

00:08:53,550 --> 00:08:49,930

paid in the end which was a great

192

00:08:55,050 --> 00:08:53,560

success in the end EXT the Ken 3 costs

193

00:08:57,870 --> 00:08:55,060

for something like forty two thousand

194

00:09:00,120 --> 00:08:57,880

dollars and I think we raised from the

195

00:09:01,740 --> 00:09:00,130

public something like 37 or 38 thousand

196

00:09:04,530 --> 00:09:01,750

dollars and we have straightens kept

197

00:09:06,060 --> 00:09:04,540

hey paid the rest and we just made sure

198

00:09:08,100 --> 00:09:06,070

that he was not a of course we

199

00:09:09,750 --> 00:09:08,110

made a big big deal out of it to send

200

00:09:11,250 --> 00:09:09,760

this very strong message that we are not

201  
00:09:13,470 --> 00:09:11,260  
going to make when we're not going to

202  
00:09:15,630 --> 00:09:13,480  
allow people like census lim who were

203  
00:09:17,550 --> 00:09:15,640  
backed by the way by very very notorious

204  
00:09:18,480 --> 00:09:17,560  
conmen Peter Foster which someone who

205  
00:09:21,000 --> 00:09:18,490  
will have heard of because he was

206  
00:09:23,580 --> 00:09:21,010  
related to it was had some hanky-panky

207  
00:09:24,810 --> 00:09:23,590  
with the Cherie Blair and the housing

208  
00:09:26,520 --> 00:09:24,820  
and something I'm not sure exactly of

209  
00:09:29,100 --> 00:09:26,530  
the details but he's a known comment he

210  
00:09:31,230 --> 00:09:29,110  
was behind this thing and the great

211  
00:09:35,100 --> 00:09:31,240  
thing was that we had conventionally

212  
00:09:37,560 --> 00:09:35,110  
2011 with we go got ken harvey somebody

213  
00:09:39,390 --> 00:09:37,570

from consumer watchdog the government

214

00:09:41,070 --> 00:09:39,400

consumer watchdog somebody from the TGA

215

00:09:44,010 --> 00:09:41,080

senior guy from the TG at the head of

216

00:09:45,990 --> 00:09:44,020

the TGA all on stage together in a panel

217

00:09:47,730 --> 00:09:46,000

and the day before that conference

218

00:09:49,170 --> 00:09:47,740

before that Colonel Peter Foster was

219

00:09:53,780 --> 00:09:49,180

arrested especially for our conference

220

00:09:58,650 --> 00:09:56,610

be all the things that we met on avian

221

00:10:01,950 --> 00:09:58,660

avian is the Australian vaccination

222

00:10:03,360 --> 00:10:01,960

network we have been working in color

223

00:10:05,310 --> 00:10:03,370

there's been a collaboration of

224

00:10:10,340 --> 00:10:05,320

Australian skeptics and lots of other

225

00:10:13,680 --> 00:10:10,350

groups not most notably group called

226

00:10:15,180 --> 00:10:13,690

stop the avian s avian stop the

227

00:10:16,770 --> 00:10:15,190

Australian vaccination work is that just

228

00:10:18,660 --> 00:10:16,780

a group of concerned citizens many of

229

00:10:20,340 --> 00:10:18,670

them are also strengthened members of

230

00:10:22,079 --> 00:10:20,350

Australian skeptics who decided that

231

00:10:23,700 --> 00:10:22,089

this organization needs to be stopped

232

00:10:26,790 --> 00:10:23,710

and he just so happened that these

233

00:10:30,750 --> 00:10:26,800

discrim us started working in parallel

234

00:10:33,420 --> 00:10:30,760

pretty much at the same time about four

235

00:10:36,240 --> 00:10:33,430

years ago now to stop to stop that

236

00:10:38,700 --> 00:10:36,250

organization so we published in some

237

00:10:42,000 --> 00:10:38,710

major newspapers in Australia a letter

238

00:10:43,440 --> 00:10:42,010

about this avian and urging parents to

239

00:10:45,210 --> 00:10:43,450

take the implement the information that

240

00:10:47,070 --> 00:10:45,220

they need about vaccinations not from

241

00:10:49,530 --> 00:10:47,080

the avian but from reputable sources

242

00:10:50,640 --> 00:10:49,540

like the government like their GPS to

243

00:10:54,030 --> 00:10:50,650

make sure that they actually make the

244

00:10:57,600 --> 00:10:54,040

right decision on the same day that our

245

00:11:02,160 --> 00:10:57,610

ad went to the papers a wonderful man by

246

00:11:05,610 --> 00:11:02,170

the name of Ken MacLeod sent a very

247

00:11:07,290 --> 00:11:05,620

well-crafted complaint to the htpc which

248

00:11:08,630 --> 00:11:07,300

the healthcare Complaints Commission in

249

00:11:11,510 --> 00:11:08,640

New South Wales which

250

00:11:13,130 --> 00:11:11,520

is the organization that investigates

251  
00:11:15,380 --> 00:11:13,140  
complaints about health services

252  
00:11:16,730 --> 00:11:15,390  
providers he said it very well tough to

253  
00:11:18,440 --> 00:11:16,740  
complain to them that was investigated

254  
00:11:20,210 --> 00:11:18,450  
for a long time it's a long story i want

255  
00:11:22,960 --> 00:11:20,220  
going to the whole story but that was

256  
00:11:26,120 --> 00:11:22,970  
basically that day was the beginning of

257  
00:11:28,340 --> 00:11:26,130  
three and a half four years of very very

258  
00:11:30,500 --> 00:11:28,350  
bad time for the avn one of the major

259  
00:11:33,740 --> 00:11:30,510  
thing that we've achieved in my opinion

260  
00:11:34,970 --> 00:11:33,750  
is not a lot of the not just the fact

261  
00:11:36,350 --> 00:11:34,980  
that they've been for the past three and

262  
00:11:43,940 --> 00:11:36,360  
a half four years they've been very very

263  
00:11:47,270 --> 00:11:43,950

busy dealing with complaints on to do

264

00:11:50,420 --> 00:11:47,280

which is on the public health they were

265

00:11:53,120 --> 00:11:50,430

the major thing we did was we made a

266

00:11:55,270 --> 00:11:53,130

change the way that media perceives the

267

00:11:58,220 --> 00:11:55,280

kind of the anti-vaccination network

268

00:12:00,680 --> 00:11:58,230

instead of being the go-to guys to any

269

00:12:02,840 --> 00:12:00,690

information about about vaccines in the

270

00:12:05,030 --> 00:12:02,850

ones that work that that they go to

271

00:12:06,530 --> 00:12:05,040

provide that false balancing you know

272

00:12:09,710 --> 00:12:06,540

around vaccines you know you invite a

273

00:12:12,680 --> 00:12:09,720

pediatrician and some mum from Bangalore

274

00:12:17,510 --> 00:12:12,690

New South Wales who has as she describes

275

00:12:21,170 --> 00:12:17,520

it has a brain so do cockroaches small

276

00:12:24,290 --> 00:12:21,180

but so instead of talking speaking to

277

00:12:27,260 --> 00:12:24,300

them as vaccine experts there now

278

00:12:29,990 --> 00:12:27,270

referred to universally in the press in

279

00:12:31,970 --> 00:12:30,000

anywhere in the media as auntie vaccine

280

00:12:33,710 --> 00:12:31,980

the anti-vaccine lobbying and that is a

281

00:12:36,320 --> 00:12:33,720

huge achievement for us because that

282

00:12:37,940 --> 00:12:36,330

means that when parents go to their

283

00:12:39,770 --> 00:12:37,950

website when parents hear about them

284

00:12:41,930 --> 00:12:39,780

they already know that these are not

285

00:12:43,610 --> 00:12:41,940

people that you can get credible

286

00:12:45,680 --> 00:12:43,620

information from of course if somebody

287

00:12:47,510 --> 00:12:45,690

is inclined that way and somebody wants

288

00:12:49,910 --> 00:12:47,520

anti-vaccine information for so they'll

289

00:12:51,230 --> 00:12:49,920

find it but at least they know what

290

00:12:53,210 --> 00:12:51,240

they're getting with a name like

291

00:12:54,410 --> 00:12:53,220

Australian vaccination work it sounds

292

00:12:56,420 --> 00:12:54,420

like the infirm it the information you

293

00:12:59,420 --> 00:12:56,430

get from them is credible and only the

294

00:13:01,040 --> 00:12:59,430

last couple of weeks are the they were

295

00:13:02,860 --> 00:13:01,050

ordered by the government by the use of

296

00:13:05,170 --> 00:13:02,870

world government to change their name

297

00:13:08,080 --> 00:13:05,180

unfortunately they change their name to

298

00:13:10,820 --> 00:13:08,090

Australian vaccination skeptics Network

299

00:13:13,670 --> 00:13:10,830

which is not a really not a fantastic

300

00:13:15,440 --> 00:13:13,680

thing for us obviously because it could

301  
00:13:17,330 --> 00:13:15,450  
create a semblance of a Lincoln we have

302  
00:13:19,010 --> 00:13:17,340  
been fighting them for a long time but

303  
00:13:20,210 --> 00:13:19,020  
we've thought about

304  
00:13:22,040 --> 00:13:20,220  
we've talked to people outside of the

305  
00:13:23,630 --> 00:13:22,050  
community to try to understand what the

306  
00:13:26,540 --> 00:13:23,640  
perception is of that and most people

307  
00:13:28,520 --> 00:13:26,550  
say yeah that appears like they're

308  
00:13:29,870 --> 00:13:28,530  
against I've seen and that's what we

309  
00:13:32,150 --> 00:13:29,880  
really want I mean we'll worry about the

310  
00:13:33,770 --> 00:13:32,160  
name and the word skepticism later but

311  
00:13:35,900 --> 00:13:33,780  
right now we're sending a very good

312  
00:13:37,550 --> 00:13:35,910  
message out there that they need to

313  
00:13:39,530 --> 00:13:37,560

change the name in parallel to that

314

00:13:40,850 --> 00:13:39,540

they're also being investigated by the

315

00:13:42,830 --> 00:13:40,860

government on several infringement

316

00:13:44,180 --> 00:13:42,840

financial arrangements that the

317

00:13:46,460 --> 00:13:44,190

information that they spread around

318

00:13:49,160 --> 00:13:46,470

vaccines Steve illegal they have to

319

00:13:51,020 --> 00:13:49,170

change that there was a big report about

320

00:13:52,880 --> 00:13:51,030

information that appears on their

321

00:13:56,240 --> 00:13:52,890

website and basically on every single

322

00:14:00,110 --> 00:13:56,250

item attended work with remove and never

323

00:14:01,610 --> 00:14:00,120

put back this information so there's not

324

00:14:04,220 --> 00:14:01,620

going to be much left on the website

325

00:14:06,320 --> 00:14:04,230

after they lament this and the

326

00:14:07,880 --> 00:14:06,330

organization the H people see the

327

00:14:09,830 --> 00:14:07,890

organization that put out that report

328

00:14:12,740 --> 00:14:09,840

was so confident that they're not going

329

00:14:14,480 --> 00:14:12,750

to comply that they've already phrased

330

00:14:16,850 --> 00:14:14,490

in the report that phrase the public

331

00:14:22,580 --> 00:14:16,860

warning that they're going to put up

332

00:14:24,470 --> 00:14:22,590

after this doesn't work he'll funds so

333

00:14:28,940 --> 00:14:24,480

there is a problem in Australia in

334

00:14:32,300 --> 00:14:28,950

Australia this Medicare which is its

335

00:14:34,790 --> 00:14:32,310

public it's a public health service so

336

00:14:37,190 --> 00:14:34,800

we all pay pay for it through our taxes

337

00:14:39,290 --> 00:14:37,200

in the go to the you can go to the gb

338

00:14:42,230 --> 00:14:39,300

for free or almost 43 a lot of

339

00:14:45,920 --> 00:14:42,240

medication subsidized in addition a lot

340

00:14:47,090 --> 00:14:45,930

of people have public health insurance

341

00:14:49,550 --> 00:14:47,100

and that public health insurance is

342

00:14:51,560 --> 00:14:49,560

partially paid for by the public through

343

00:14:53,170 --> 00:14:51,570

a rebate that the health funds are

344

00:14:55,699 --> 00:14:53,180

received from the government now the

345

00:15:02,340 --> 00:14:55,709

woods Mike what's my time like

346

00:15:04,019 --> 00:15:02,350

ok so the those health funds get some

347

00:15:06,480 --> 00:15:04,029

money from the government unfortunately

348

00:15:09,500 --> 00:15:06,490

those health funds also provide we are

349

00:15:11,970 --> 00:15:09,510

reinsurance that the covers things like

350

00:15:15,000 --> 00:15:11,980

chiropractic and the APPA the--and all

351

00:15:18,150 --> 00:15:15,010

in all kinds of massages there are being

352

00:15:20,519 --> 00:15:18,160

some of them are actually okay but some

353

00:15:22,319 --> 00:15:20,529

of them are really not and and that is

354

00:15:25,259 --> 00:15:22,329

something that we've for a long time be

355

00:15:26,579 --> 00:15:25,269

trying to get the health funds to not do

356

00:15:28,079 --> 00:15:26,589

to provide the leases you know make it

357

00:15:30,269 --> 00:15:28,089

optional don't don't give it to any

358

00:15:32,040 --> 00:15:30,279

don't give it to me I don't want to use

359

00:15:33,840 --> 00:15:32,050

them don't put chiropractic on my

360

00:15:36,300 --> 00:15:33,850

insurance i'm not going to use it and

361

00:15:38,269 --> 00:15:36,310

basically they said look it's going to

362

00:15:42,120 --> 00:15:38,279

cost you more to have your own custom

363

00:15:44,519 --> 00:15:42,130

policy so so it hasn't be working very

364

00:15:47,310 --> 00:15:44,529

well fortunately because of the because

365

00:15:49,079 --> 00:15:47,320

of the fact that the public pays for

366

00:15:52,040 --> 00:15:49,089

these services the government got onto

367

00:15:54,750 --> 00:15:52,050

it and we've been able to get the

368

00:15:56,400 --> 00:15:54,760

organization called NHMRC National

369

00:15:58,620 --> 00:15:56,410

Health and Medical Research Council to

370

00:16:00,900 --> 00:15:58,630

investigate and together they've come up

371

00:16:05,280 --> 00:16:00,910

with a list of services that the health

372

00:16:06,809 --> 00:16:05,290

funds cannot provide funds to and it's

373

00:16:09,360 --> 00:16:06,819

this whole thing is not yet finished

374

00:16:11,189 --> 00:16:09,370

there is an internist determination but

375

00:16:12,780 --> 00:16:11,199

it's not yet complete but me you can be

376

00:16:14,939 --> 00:16:12,790

sure that chiropractic is not going to

377

00:16:16,379 --> 00:16:14,949

be there that homeopathy is definitely

378

00:16:17,430 --> 00:16:16,389

not going to be there this is going to

379

00:16:20,189 --> 00:16:17,440

be a lot of other things that are not

380

00:16:23,009 --> 00:16:20,199

going to be there another thing we've

381

00:16:24,750 --> 00:16:23,019

since I've mentioned in H&M RC I want to

382

00:16:28,110 --> 00:16:24,760

mention that the they've investigated

383

00:16:29,879 --> 00:16:28,120

homeopathy and only couple days ago came

384

00:16:32,329 --> 00:16:29,889

up with a scathing paper about

385

00:16:41,480 --> 00:16:37,239

absolutely basically says doesn't work

386

00:16:44,900 --> 00:16:41,490

just like a website that how does it

387

00:16:46,160 --> 00:16:44,910

work how does nobody will get one last

388

00:16:49,660 --> 00:16:46,170

thing I want to mention is that we've

389

00:16:52,340 --> 00:16:49,670

done some research into universities

390

00:16:55,400 --> 00:16:52,350

teaching all cut all kinds of all modes

391

00:16:57,019 --> 00:16:55,410

of quackery and unfortunately they were

392

00:16:58,790 --> 00:16:57,029

quite early there was quite a lot of

393

00:17:00,590 --> 00:16:58,800

that they were mean some universities

394

00:17:01,939 --> 00:17:00,600

were worse than others but it was it was

395

00:17:04,149 --> 00:17:01,949

quite common for universities to offer

396

00:17:06,199 --> 00:17:04,159

all kinds of courses in factory now

397

00:17:09,139 --> 00:17:06,209

there's this constant argument about

398

00:17:10,490 --> 00:17:09,149

whether quite o issue or alternative

399

00:17:12,260 --> 00:17:10,500

medicine should be researched and

400

00:17:14,659 --> 00:17:12,270

absolutely it should be research but you

401  
00:17:16,130 --> 00:17:14,669  
should not be taught before it's recent

402  
00:17:17,960 --> 00:17:16,140  
and I think the problem is that in a lot

403  
00:17:19,850 --> 00:17:17,970  
of those universities it's not the

404  
00:17:22,340 --> 00:17:19,860  
research problem that a research program

405  
00:17:24,049 --> 00:17:22,350  
that's the problem it's they it's the

406  
00:17:26,960 --> 00:17:24,059  
teaching of things that do not have

407  
00:17:29,389 --> 00:17:26,970  
foundation in science or foundational

408  
00:17:32,690 --> 00:17:29,399  
evidence that is the problem for example

409  
00:17:35,539 --> 00:17:32,700  
RMIT University teach they have a very

410  
00:17:37,490 --> 00:17:35,549  
large Faculty of chiropractic and as

411  
00:17:40,549 --> 00:17:37,500  
part of that faculty they have a

412  
00:17:44,510 --> 00:17:40,559  
children's car back to clinic so their

413  
00:17:46,370 --> 00:17:44,520

students treat treat kids with

414

00:17:48,620 --> 00:17:46,380

chiropractic which is very disturbing

415

00:17:50,299 --> 00:17:48,630

now we've done that message and that

416

00:17:53,510 --> 00:17:50,309

research was published in two parts in

417

00:17:56,750 --> 00:17:53,520

our magazine the skeptic and which is

418

00:17:59,389 --> 00:17:56,760

the second-oldest skeptical stick a

419

00:18:02,779 --> 00:17:59,399

skeptical magazine in world be published

420

00:18:06,169 --> 00:18:02,789

since 1980 and as a result of that

421

00:18:08,360 --> 00:18:06,179

several prominent health professionals

422

00:18:10,490 --> 00:18:08,370

have established an organization called

423

00:18:13,639 --> 00:18:10,500

Friends of science and medicine they

424

00:18:15,110 --> 00:18:13,649

call it fsm and they're too old to

425

00:18:16,940 --> 00:18:15,120

realize that that's going to be a

426

00:18:18,289 --> 00:18:16,950

problem for them but anyway they've

427

00:18:20,269 --> 00:18:18,299

established this organization and now

428

00:18:22,250 --> 00:18:20,279

this organization has something like

429

00:18:25,100 --> 00:18:22,260

1,200 members and those members are

430

00:18:28,940 --> 00:18:25,110

largely health professional scientists

431

00:18:31,820 --> 00:18:28,950

public health advocates and all of those

432

00:18:33,260 --> 00:18:31,830

people are now fairly large and

433

00:18:35,419 --> 00:18:33,270

influential group of people who will

434

00:18:37,789 --> 00:18:35,429

press the government push the government

435

00:18:39,769 --> 00:18:37,799

to make the right decisions the right

436

00:18:40,740 --> 00:18:39,779

letters first of all they pee a method

437

00:18:43,290 --> 00:18:40,750

all of them have

438

00:18:47,040 --> 00:18:43,300

all kinds of titles from be from the

439

00:18:49,110 --> 00:18:47,050

governor-general not quite nice with but

440

00:18:50,160 --> 00:18:49,120

you know somewhere else on the lower run

441

00:18:51,300 --> 00:18:50,170

you know we're still and we are a

442

00:18:54,000 --> 00:18:51,310

monarchy in Australia you do know that

443

00:18:55,560 --> 00:18:54,010

by so so we had they they're quite

444

00:18:57,060 --> 00:18:55,570

prominent people all of them and they

445

00:18:58,710 --> 00:18:57,070

have access to the press they have

446

00:19:01,140 --> 00:18:58,720

access to the government and actually

447

00:19:04,980 --> 00:19:01,150

make quite a lot of difference and we we

448

00:19:06,900 --> 00:19:04,990

do see how they're able to through their

449

00:19:08,760 --> 00:19:06,910

contacts through their context of the

450

00:19:11,460 --> 00:19:08,770

universities to actually make make a

451  
00:19:14,610 --> 00:19:11,470  
difference it is now at a stage where

452  
00:19:16,800 --> 00:19:14,620  
most universities are really hesitant

453  
00:19:19,650 --> 00:19:16,810  
when they when he comes to teaching all

454  
00:19:21,600 --> 00:19:19,660  
kind all kinds of modes of alternative

455  
00:19:22,980 --> 00:19:21,610  
medicine to the point where the the

456  
00:19:24,120 --> 00:19:22,990  
largest chiropractic program in

457  
00:19:25,350 --> 00:19:24,130  
Australia in terms of the number of

458  
00:19:27,390 --> 00:19:25,360  
students going through at Macquarie

459  
00:19:30,300 --> 00:19:27,400  
University in Sydney they've decided to

460  
00:19:31,800 --> 00:19:30,310  
dispose of it actually they've sold the

461  
00:19:34,290 --> 00:19:31,810  
problems with some other university a

462  
00:19:36,630 --> 00:19:34,300  
lower-end university that they've all

463  
00:19:39,000 --> 00:19:36,640

see a nervous he had what was it that

464

00:19:41,790 --> 00:19:39,010

they said that the reason was the

465

00:19:43,440 --> 00:19:41,800

research outputs you know they have to

466

00:19:45,450 --> 00:19:43,450

focus on research output of other

467

00:19:46,800 --> 00:19:45,460

programs the reality is that if it's

468

00:19:48,360 --> 00:19:46,810

research output that problem should have

469

00:19:50,430 --> 00:19:48,370

been scrapped and scrapped a long time

470

00:19:52,560 --> 00:19:50,440

ago because the research output of the

471

00:19:54,600 --> 00:19:52,570

chiropractic program is basically nil

472

00:19:58,200 --> 00:19:54,610

over the 30 years they've had it at

473

00:19:59,250 --> 00:19:58,210

Macquarie University the one last thing

474

00:20:00,810 --> 00:19:59,260

I want to mention about Australian

475

00:20:03,420 --> 00:20:00,820

skeptics is not about something that we

476

00:20:05,190 --> 00:20:03,430

do but I bought our approach I mentioned

477

00:20:07,740 --> 00:20:05,200

earlier it's not our church skepticism

478

00:20:09,090 --> 00:20:07,750

it's about it's about activism it's

479

00:20:10,400 --> 00:20:09,100

about getting things done it's about

480

00:20:13,140 --> 00:20:10,410

where we can be most effective

481

00:20:15,360 --> 00:20:13,150

definitely try to avoid political games

482

00:20:17,400 --> 00:20:15,370

within the organization in between us

483

00:20:30,090 --> 00:20:17,410

and other groups and it's been working

484

00:20:30,100 --> 00:20:42,359

hold tight so I don't worry

485

00:20:53,289 --> 00:20:49,059

how fast are you acting for people with

486

00:20:56,019 --> 00:20:53,299

this case definitely definitely see more

487

00:20:58,509 --> 00:20:56,029

people at our events so it's it is

488

00:21:00,699 --> 00:20:58,519

growing and more importantly we're

489

00:21:04,329 --> 00:21:00,709

seeing a lot more of the younger

490

00:21:05,799 --> 00:21:04,339

generation at all events we definitely

491

00:21:08,769 --> 00:21:05,809

not it's not reflecting membership

492

00:21:11,259 --> 00:21:08,779

though our membership is basically a

493

00:21:13,449 --> 00:21:11,269

subscription to the magazine and that's

494

00:21:14,979 --> 00:21:13,459

actually not growing in any significant

495

00:21:17,319 --> 00:21:14,989

ways so but we're definitely seeing a

496

00:21:20,229 --> 00:21:17,329

lot a lot of you skeptics in the pub we

497

00:21:24,759 --> 00:21:20,239

regularly regularly get some say in

498

00:21:26,829 --> 00:21:24,769

Sydney 50 to 80 people that's the

499

00:21:30,119 --> 00:21:26,839

regular number and that's just in Sydney

500

00:21:32,589 --> 00:21:30,129

this in this equivalent in other cities

501  
00:21:34,629 --> 00:21:32,599  
about how the people are not subscribers

502  
00:21:37,509 --> 00:21:34,639  
and not members of the organization it

503  
00:21:39,309 --> 00:21:37,519  
look we would prefer that there were but

504  
00:21:45,099 --> 00:21:39,319  
that's not you know the more things that

505  
00:21:47,409 --> 00:21:45,109  
they're active in a new city I am very

506  
00:21:49,679 --> 00:21:47,419  
very aware but they also ain't get one

507  
00:21:55,719 --> 00:21:49,689  
of the best organized and the best

508  
00:21:58,130 --> 00:21:55,729  
actress in 17 as a whole he said wheres

509  
00:22:01,010 --> 00:21:58,140  
effective Denver sense

510  
00:22:05,050 --> 00:22:01,020  
I'm watching from America or anything to

511  
00:22:08,810 --> 00:22:05,060  
do i just want to point out fabulous

512  
00:22:12,200 --> 00:22:08,820  
organization please just fifth time them

513  
00:22:16,100 --> 00:22:12,210

and learn from them and by first vice

514

00:22:19,160 --> 00:22:16,110

versa it is a generation canvas amazing

515

00:22:22,040 --> 00:22:19,170

people the settings of podcast is a

516

00:22:25,070 --> 00:22:22,050

wonderful resource by Richard Saunders

517

00:22:28,250 --> 00:22:25,080

and I took me just intuitively there are

518

00:22:39,470 --> 00:22:28,260

other my path that make people lose me

519

00:22:40,820 --> 00:22:39,480

to to get that bill by mile sorry oh no

520

00:22:43,910 --> 00:22:40,830

I couldn't really i must admit that

521

00:22:49,820 --> 00:22:43,920

because of my i actually have a thing

522

00:22:51,890 --> 00:22:49,830

called job work is the fall of the word

523

00:22:56,120 --> 00:22:51,900

by the way i don't usually like comments

524

00:22:57,500 --> 00:22:56,130

in this say but I like that one so no I

525

00:23:00,170 --> 00:22:57,510

think this capstone will never lead

526

00:23:02,540 --> 00:23:00,180

almost the official official podcast of

527

00:23:04,490 --> 00:23:02,550

of the step of Australian skeptics and

528

00:23:06,410 --> 00:23:04,500

definitely will know about everything

529

00:23:09,380 --> 00:23:06,420

that we do if you listen to the skeptics

530

00:23:12,230 --> 00:23:09,390

skeptics on podcast and I will be

531

00:23:14,750 --> 00:23:12,240

speaking to many of you on on on record

532

00:23:18,560 --> 00:23:14,760

doing this we can to you know for the

533

00:23:20,540 --> 00:23:18,570

stepping on for us and you can you can

534

00:23:22,430 --> 00:23:20,550

subscribe to a digital but sending in

535

00:23:24,080 --> 00:23:22,440

sending a print version is actually

536

00:23:26,770 --> 00:23:24,090

quite expensive but it's possible to get

537

00:23:29,480 --> 00:23:26,780

a digital subscription to our magazine

538

00:23:30,920 --> 00:23:29,490

where you will also learn a lot a lot

539

00:23:32,450 --> 00:23:30,930

about what we do and we have a website

540

00:23:33,640 --> 00:23:32,460

that's quite active and we always have

541

00:24:01,150 --> 00:23:33,650

used their stories

542

00:24:04,150 --> 00:24:01,160

oh hello dear skeptical ninjas my name

543

00:24:06,520 --> 00:24:04,160

is Jake Peralta and my name is russ bolt

544

00:24:10,060 --> 00:24:06,530

and we are here to talk to you about

545

00:24:12,490 --> 00:24:10,070

breeze skeptic amp which is coming up in

546

00:24:14,560 --> 00:24:12,500

July so who is speaking out Bruce give

547

00:24:16,990 --> 00:24:14,570

de Kamp will take you and I will be

548

00:24:19,480 --> 00:24:17,000

there as hosts as hosts and also

549

00:24:21,760 --> 00:24:19,490

recording the podcast a podcast right

550

00:24:24,370 --> 00:24:21,770

and we've got John Cook from skeptical

551  
00:24:26,800 --> 00:24:24,380  
science com well we've got Theo Clark

552  
00:24:28,690 --> 00:24:26,810  
who does hunting humbug podcast and also

553  
00:24:30,910 --> 00:24:28,700  
the skeptics field guide that is amazing

554  
00:24:32,590 --> 00:24:30,920  
and Loretta marron from friends of

555  
00:24:34,870 --> 00:24:32,600  
science and medicine that is fantastic

556  
00:24:37,210 --> 00:24:34,880  
and if all of that sounded too amazing

557  
00:24:39,910 --> 00:24:37,220  
we have a whole host of local skeptics

558  
00:24:41,470 --> 00:24:39,920  
in the brisbane area so if i call neo do

559  
00:24:43,270 --> 00:24:41,480  
i also get a free set of steak knives

560  
00:24:46,030 --> 00:24:43,280  
well i would be quite skeptical of that

561  
00:24:48,190 --> 00:24:46,040  
claim jack so how can I find out more

562  
00:24:50,530 --> 00:24:48,200  
about brisket again you can go to

563  
00:24:53,230 --> 00:24:50,540

brisket to camp org that was an

564

00:24:55,960 --> 00:24:53,240

advantageous Lee made web domain name I

565

00:24:59,860 --> 00:24:55,970

dare say yes and when is red skeptic in

566

00:25:01,780 --> 00:24:59,870

July 19th this year so July 19th this

567

00:25:03,790 --> 00:25:01,790

year and it's free it's a completely

568

00:25:05,650 --> 00:25:03,800

free completely free yeah with a free

569

00:25:08,710 --> 00:25:05,660

set of steak knives as well I would

570

00:25:19,039 --> 00:25:08,720

continue to be skeptical so go to brisk

571

00:25:23,879 --> 00:25:21,839

welcome to a week in science from arias

572

00:25:27,959 --> 00:25:23,889

bringing you the science you need to

573

00:25:30,539 --> 00:25:27,969

know June the sixth 1944 was d-day the

574

00:25:32,190 --> 00:25:30,549

Allied invasion of Europe and they had a

575

00:25:38,459 --> 00:25:32,200

little bit of Science and Technology on

576

00:25:40,440 --> 00:25:38,469

their side a whole range of modified

577

00:25:43,169 --> 00:25:40,450

tanks were developed for specific jobs

578

00:25:46,200 --> 00:25:43,179

during d-day and the later invasion of

579

00:25:48,570 --> 00:25:46,210

Europe known as Hobart's funnies they

580

00:25:50,579 --> 00:25:48,580

included the crocodile a tank with a

581

00:25:54,629 --> 00:25:50,589

flame thrower instead of a machine gun

582

00:25:57,629 --> 00:25:54,639

AV re or armored vehicle Royal Engineers

583

00:26:00,690 --> 00:25:57,639

had a heavy mortar on board capable of

584

00:26:04,799 --> 00:26:00,700

firing an 18 kilo projectile filled with

585

00:26:07,229 --> 00:26:04,809

high explosives around 137 meters there

586

00:26:09,180 --> 00:26:07,239

were tanks that laid a canvas road to

587

00:26:11,879 --> 00:26:09,190

prevent following vehicles from getting

588

00:26:14,999 --> 00:26:11,889

bogged others that carried bundles of

589

00:26:17,159 --> 00:26:15,009

poles to instantly fill in ditches tanks

590

00:26:19,769 --> 00:26:17,169

that carried a 9 meter bridge in front

591

00:26:22,379 --> 00:26:19,779

of them and even a drive over tank with

592

00:26:24,539 --> 00:26:22,389

extendable ramps fore-and-aft that could

593

00:26:28,529 --> 00:26:24,549

be driven into a hole to provide a road

594

00:26:30,690 --> 00:26:28,539

for other traffic the science of

595

00:26:33,299 --> 00:26:30,700

deception was crucial to the success of

596

00:26:35,459 --> 00:26:33,309

the d-day landings three separate

597

00:26:37,700 --> 00:26:35,469

operations were mounted that created

598

00:26:40,560 --> 00:26:37,710

false impressions of invading amardas

599

00:26:43,019 --> 00:26:40,570

squadrons of bombers flying to split

600

00:26:45,269 --> 00:26:43,029

second schedules drop strips of

601  
00:26:47,639 --> 00:26:45,279  
aluminium foil in patterns that

602  
00:26:50,039 --> 00:26:47,649  
exploited a weakness in the German radar

603  
00:26:53,159 --> 00:26:50,049  
network the foil would show up on the

604  
00:26:56,039 --> 00:26:53,169  
enemy screens as huge advancing fleets

605  
00:26:58,169 --> 00:26:56,049  
of ships that didn't exist these

606  
00:27:00,389 --> 00:26:58,179  
deceptions were backed up by a small

607  
00:27:02,849 --> 00:27:00,399  
flotilla of boats carrying radio sets

608  
00:27:05,579 --> 00:27:02,859  
that created the volume of radio traffic

609  
00:27:08,159 --> 00:27:05,589  
expected from an invading fleet at least

610  
00:27:10,049 --> 00:27:08,169  
one of these three operations appears to

611  
00:27:12,329 --> 00:27:10,059  
have fooled the Germans into preparing

612  
00:27:15,749 --> 00:27:12,339  
for an attack that never happened and

613  
00:27:17,889 --> 00:27:15,759

now for fast facts about d-day science

614

00:27:20,869 --> 00:27:17,899

and technology

615

00:27:23,299 --> 00:27:20,879

large gliders known as hamill cars

616

00:27:26,209 --> 00:27:23,309

carried heavy payloads including small

617

00:27:28,609 --> 00:27:26,219

tanks they had a wingspan of 33 and a

618

00:27:31,069 --> 00:27:28,619

half meters and weighed almost six and a

619

00:27:33,319 --> 00:27:31,079

half Tom's distinctive black and white

620

00:27:35,239 --> 00:27:33,329

stripes were painted on all Allied

621

00:27:37,430 --> 00:27:35,249

aircraft to make them readily

622

00:27:40,369 --> 00:27:37,440

recognizable so they wouldn't be shot

623

00:27:42,649 --> 00:27:40,379

down by Allied forces dummies dressed in

624

00:27:44,869 --> 00:27:42,659

full paratrooper uniforms known as

625

00:27:47,089 --> 00:27:44,879

Rupert's were dropped with real

626  
00:27:48,949 --> 00:27:47,099  
paratroopers east of the invasion zone

627  
00:27:51,979 --> 00:27:48,959  
to create the illusion of a large

628  
00:27:54,349 --> 00:27:51,989  
airborne attack and invading troops were

629  
00:27:56,659 --> 00:27:54,359  
all issued with condoms but they were

630  
00:27:59,509 --> 00:27:56,669  
used to keep water out of rifle barrels

631  
00:28:01,789 --> 00:27:59,519  
that's it for this a week in science for

632  
00:28:05,180 --> 00:28:01,799  
more information on d-day science and

633  
00:28:09,379 --> 00:28:05,190  
technology go to the Arias website RI au

634  
00:28:13,339 --> 00:28:09,389  
s dot org a you follow us on Twitter and

635  
00:28:14,959 --> 00:28:13,349  
are I oz and like us on Facebook I'm

636  
00:28:21,440 --> 00:28:14,969  
Paul Willis and we'll catch you here

637  
00:28:23,749 --> 00:28:21,450  
next week hi I'm Finn and I'm Rebecca

638  
00:28:25,459 --> 00:28:23,759

and where the skipper cons skipper

639

00:28:27,229 --> 00:28:25,469

Collins is an Irish blood cast by the

640

00:28:28,879 --> 00:28:27,239

Dublin skeptics society it takes a

641

00:28:30,649 --> 00:28:28,889

conversational reverent look at science

642

00:28:34,159 --> 00:28:30,659

news and skeptical topics from an Irish

643

00:28:45,220 --> 00:28:34,169

perspective you can find us at WWDC

644

00:28:53,060 --> 00:28:50,269

and joining me now from Brisbane sunny

645

00:28:55,039 --> 00:28:53,070

Brisbane it's the o clock healthier can

646

00:28:56,960 --> 00:28:55,049

I Richard hey guy I'm doing really well

647

00:28:59,299 --> 00:28:56,970

and I'm very excited and very pleased to

648

00:29:02,570 --> 00:28:59,309

see that you are releasing another

649

00:29:05,840 --> 00:29:02,580

edition of the book humbug which I first

650

00:29:07,669 --> 00:29:05,850

came across some years back humbug the

651

00:29:10,909 --> 00:29:07,679

skeptics field guide to spotting

652

00:29:13,370 --> 00:29:10,919

fallacies and deceptive arguments now

653

00:29:15,019 --> 00:29:13,380

let's go right back to the beginning you

654

00:29:16,909 --> 00:29:15,029

wrote the the first edition with your

655

00:29:18,889 --> 00:29:16,919

dad who some sadly no longer with us

656

00:29:21,649 --> 00:29:18,899

what inspired you to to put this

657

00:29:23,480 --> 00:29:21,659

together look so it began really my

658

00:29:27,159 --> 00:29:23,490

father was an academic in teacher

659

00:29:29,539 --> 00:29:27,169

education at UM Griffith University and

660

00:29:31,070 --> 00:29:29,549

we've had obviously had a long title

661

00:29:32,210 --> 00:29:31,080

standing interesting skepticism and

662

00:29:33,950 --> 00:29:32,220

critical thinking and things like that

663

00:29:35,720 --> 00:29:33,960

and one of the things he'd noticed in

664

00:29:38,149 --> 00:29:35,730

student essays was they were able to

665

00:29:41,690 --> 00:29:38,159

critique educational articles and things

666

00:29:43,700 --> 00:29:41,700

like that probably intuitively so lots

667

00:29:45,289 --> 00:29:43,710

of times people sense that an argument

668

00:29:47,120 --> 00:29:45,299

is flawed or wrong or there's some issue

669

00:29:49,070 --> 00:29:47,130

with it but they can only really go that

670

00:29:50,779 --> 00:29:49,080

superficially and can't identify exactly

671

00:29:54,440 --> 00:29:50,789

where in arguments gone wrong or how

672

00:29:55,879 --> 00:29:54,450

it's been misrepresented so we he'd

673

00:29:57,470 --> 00:29:55,889

obviously had an interesting critical

674

00:30:00,529 --> 00:29:57,480

thinking through his studies and his

675

00:30:02,930 --> 00:30:00,539

work and we gradually started to look at

676  
00:30:04,879 --> 00:30:02,940  
teaching fallacies as a way to approach

677  
00:30:08,149 --> 00:30:04,889  
critical thinking because when you can

678  
00:30:09,830 --> 00:30:08,159  
learn how to to identify floored raising

679  
00:30:11,389 --> 00:30:09,840  
you can then you know pointed out in

680  
00:30:13,399 --> 00:30:11,399  
other people's reasoning but also then

681  
00:30:14,990 --> 00:30:13,409  
remove it from your own and therefore

682  
00:30:16,730 --> 00:30:15,000  
structure a better argument or make your

683  
00:30:20,899 --> 00:30:16,740  
point better so that's where the genesis

684  
00:30:24,230 --> 00:30:20,909  
of the book began it's very good because

685  
00:30:27,590 --> 00:30:24,240  
it happens to us all but I think from a

686  
00:30:30,440 --> 00:30:27,600  
skeptics point of view it skeptics seem

687  
00:30:33,440 --> 00:30:30,450  
to be on the the wrong end of these sort

688  
00:30:34,960 --> 00:30:33,450

of things that many times sometimes I

689

00:30:37,879 --> 00:30:34,970

must admit from people who don't even

690

00:30:39,620 --> 00:30:37,889

who don't know better and this book

691

00:30:42,440 --> 00:30:39,630

would help everybody in that respect but

692

00:30:43,879 --> 00:30:42,450

some of the the argument skeptics will

693

00:30:46,009 --> 00:30:43,889

get again and again and again what a

694

00:30:49,490 --> 00:30:46,019

mine favorite of course is the straw man

695

00:30:50,570 --> 00:30:49,500

argument yeah absolutely that's a really

696

00:30:53,180 --> 00:30:50,580

important one I would

697

00:30:56,090 --> 00:30:53,190

argue that's probably the most

698

00:30:58,190 --> 00:30:56,100

fundamental fallacy that's seen with

699

00:30:59,960 --> 00:30:58,200

skeptics in the media anywhere in

700

00:31:02,690 --> 00:30:59,970

general is a straw man and not

701  
00:31:04,250 --> 00:31:02,700  
necessarily deliberately obviously can

702  
00:31:05,870 --> 00:31:04,260  
be done deliberately but a straw man is

703  
00:31:07,430 --> 00:31:05,880  
when you carry you essentially

704  
00:31:10,539 --> 00:31:07,440  
characterize your opponent's argument

705  
00:31:13,549 --> 00:31:10,549  
but you simply do a caricature of your

706  
00:31:16,549 --> 00:31:13,559  
opponent and if you're interested in

707  
00:31:18,529 --> 00:31:16,559  
seeking the truth as opposed to winning

708  
00:31:20,080 --> 00:31:18,539  
an argument you will actually try to

709  
00:31:22,970 --> 00:31:20,090  
understand your opponent's argument

710  
00:31:24,529 --> 00:31:22,980  
perfectly and if you're interested in

711  
00:31:27,049 --> 00:31:24,539  
winning your characterize your

712  
00:31:28,789 --> 00:31:27,059  
opponent's argument in a flawed way so

713  
00:31:30,919 --> 00:31:28,799

it's easy for you to knock it down so

714

00:31:32,750 --> 00:31:30,929

that's the straw man fallacy and it's

715

00:31:34,610 --> 00:31:32,760

that's the distinction I make is if

716

00:31:36,529 --> 00:31:34,620

you're interested in the truth and your

717

00:31:38,690 --> 00:31:36,539

opponent is wrong you don't need to

718

00:31:40,700 --> 00:31:38,700

character to you know make a caricature

719

00:31:42,259 --> 00:31:40,710

of their argument you can just explain

720

00:31:45,200 --> 00:31:42,269

their argument perfectly and then

721

00:31:47,060 --> 00:31:45,210

explain why it's wrong yeah yes that's

722

00:31:50,480 --> 00:31:47,070

right and one of the the ones that was

723

00:31:52,610 --> 00:31:50,490

put to me once on national television

724

00:31:55,450 --> 00:31:52,620

was are you skeptics thought the world

725

00:31:59,450 --> 00:31:55,460

was flat therefore you're so silly I

726

00:32:01,580 --> 00:31:59,460

remember that we mustn't that joke yeah

727

00:32:03,500 --> 00:32:01,590

exactly i mean that's not what skeptics

728

00:32:05,779 --> 00:32:03,510

are you don't think it's about the

729

00:32:08,120 --> 00:32:05,789

process of self course you change your

730

00:32:09,259 --> 00:32:08,130

mind so if evidence comes along to force

731

00:32:11,810 --> 00:32:09,269

you to change your mind then that's what

732

00:32:13,490 --> 00:32:11,820

you do and if you're not married to the

733

00:32:15,110 --> 00:32:13,500

outcome but you're married to the

734

00:32:17,000 --> 00:32:15,120

process of you know thinking

735

00:32:18,110 --> 00:32:17,010

scientifically thinking critically then

736

00:32:19,580 --> 00:32:18,120

you don't mind when you have to change

737

00:32:22,970 --> 00:32:19,590

your mind it's exciting it's interesting

738

00:32:24,830 --> 00:32:22,980

it's new the issue is when you have a

739

00:32:26,840 --> 00:32:24,840

belief and you want to maintain that

740

00:32:28,909 --> 00:32:26,850

belief so then you rationalize that

741

00:32:30,500 --> 00:32:28,919

belief and of course we all do it to

742

00:32:32,690 --> 00:32:30,510

some extent but if you're aware of these

743

00:32:34,610 --> 00:32:32,700

cognitive biases these floors you can do

744

00:32:36,289 --> 00:32:34,620

your best to try and avoid that and I

745

00:32:38,690 --> 00:32:36,299

see in the book to you cover some some

746

00:32:40,100 --> 00:32:38,700

other old favorites and speaking of old

747

00:32:42,649 --> 00:32:40,110

favorite we have the argument from

748

00:32:44,690 --> 00:32:42,659

antiquity or I guess you could say the

749

00:32:47,060 --> 00:32:44,700

argument from tradition the argument

750

00:32:50,659 --> 00:32:47,070

from celebrity which is if some famous

751  
00:32:53,509 --> 00:32:50,669  
person says so it sort of tends to add

752  
00:32:55,730 --> 00:32:53,519  
weight to to an argument for with that

753  
00:32:57,919 --> 00:32:55,740  
are you argument is valid or not but I

754  
00:33:00,289 --> 00:32:57,929  
noticed one which tickled me a little

755  
00:33:02,180 --> 00:33:00,299  
bit I can't remember because I don't

756  
00:33:04,750 --> 00:33:02,190  
have it handy at the original copy the

757  
00:33:07,899 --> 00:33:04,760  
WTF fallacy can you tell me about that

758  
00:33:11,840 --> 00:33:07,909  
so that is a new one so it wasn't in the

759  
00:33:13,010 --> 00:33:11,850  
first edition and so to anyone who only

760  
00:33:14,779 --> 00:33:13,020  
has a copy of the first session I'll

761  
00:33:17,450 --> 00:33:14,789  
point out we have a bunch of extra new

762  
00:33:19,970 --> 00:33:17,460  
fallacies and I personally rewrote every

763  
00:33:21,799 --> 00:33:19,980

single sentence of the new second

764

00:33:23,180 --> 00:33:21,809

edition so apologies if you got the

765

00:33:26,870 --> 00:33:23,190

first but you really need to upgrade to

766

00:33:28,100 --> 00:33:26,880

the second edition you know because the

767

00:33:30,950 --> 00:33:28,110

first issue was really basically was

768

00:33:33,230 --> 00:33:30,960

rubbish compared to this new one the WTF

769

00:33:35,930 --> 00:33:33,240

it really you know obviously it's not a

770

00:33:37,430 --> 00:33:35,940

technically a logical fallacy in terms

771

00:33:40,130 --> 00:33:37,440

of the strictest sense of the word logic

772

00:33:43,190 --> 00:33:40,140

it but it's come about really because of

773

00:33:45,260 --> 00:33:43,200

the age of the Internet and what you

774

00:33:47,269 --> 00:33:45,270

know I'm sure everyone hears who's

775

00:33:49,580 --> 00:33:47,279

listening to podcast is noticed is your

776  
00:33:50,960 --> 00:33:49,590  
get engaged in these long discussions on

777  
00:33:53,269 --> 00:33:50,970  
the internet with people that when you

778  
00:33:55,100 --> 00:33:53,279  
take a step back and think about it you

779  
00:33:56,480 --> 00:33:55,110  
know people like night Mark Adams you

780  
00:33:58,549 --> 00:33:56,490  
know from natural news and people like

781  
00:34:01,130 --> 00:33:58,559  
that you're not going to win with them

782  
00:34:03,769 --> 00:34:01,140  
they are possibly diagnose ibly

783  
00:34:07,430 --> 00:34:03,779  
certifiable in terms of you know there

784  
00:34:09,589 --> 00:34:07,440  
are mental health so the WTF almost is a

785  
00:34:11,510 --> 00:34:09,599  
way to say look this person is it's

786  
00:34:13,490 --> 00:34:11,520  
there's no point in engaging with them

787  
00:34:15,770 --> 00:34:13,500  
because they really are off the deep end

788  
00:34:17,629 --> 00:34:15,780

so it isn't it is kind of an ad hominem

789

00:34:19,639 --> 00:34:17,639

but in a way it's almost a break and to

790

00:34:22,369 --> 00:34:19,649

say to yourself let's just stop this

791

00:34:24,349 --> 00:34:22,379

there's no point with it so we you know

792

00:34:26,240 --> 00:34:24,359

in our website skeptics field guide now

793

00:34:28,070 --> 00:34:26,250

we catalog a few of these and we've come

794

00:34:29,869 --> 00:34:28,080

across and that's where it really comes

795

00:34:31,669 --> 00:34:29,879

from in to have a it's almost a more

796

00:34:33,980 --> 00:34:31,679

extreme version of simple-minded

797

00:34:36,409 --> 00:34:33,990

certitude where you know this person is

798

00:34:38,180 --> 00:34:36,419

actually a bit of a loan so maybe should

799

00:34:40,490 --> 00:34:38,190

take step back and what's the pointing

800

00:34:43,909 --> 00:34:40,500

engaging with them it's an interesting

801  
00:34:45,800 --> 00:34:43,919  
angle to take because I'll have to say

802  
00:34:48,139 --> 00:34:45,810  
that there are times when I come across

803  
00:34:52,220 --> 00:34:48,149  
people who engage in argument with me

804  
00:34:56,599 --> 00:34:52,230  
and the argument the process breaks down

805  
00:34:59,570 --> 00:34:56,609  
relatively soon because that there to be

806  
00:35:03,650 --> 00:34:59,580  
blunt incoherent a lot of the time or

807  
00:35:04,970 --> 00:35:03,660  
their own arguments contradict each

808  
00:35:06,260 --> 00:35:04,980  
other than they can't see it because

809  
00:35:08,930 --> 00:35:06,270  
they're sort of living in their own

810  
00:35:10,270 --> 00:35:08,940  
fantasy world and it's a tricky one

811  
00:35:12,470 --> 00:35:10,280  
because you don't want to come off as

812  
00:35:13,700 --> 00:35:12,480  
appearing really arrogant and saying I

813  
00:35:17,630 --> 00:35:13,710

can't talk to this person they're

814

00:35:18,350 --> 00:35:17,640

obviously completely bonkers but I must

815

00:35:19,790 --> 00:35:18,360

admit some

816

00:35:23,870 --> 00:35:19,800

times I think I found that to be the

817

00:35:25,310 --> 00:35:23,880

case yeah and and that again is the

818

00:35:26,960 --> 00:35:25,320

point of it I mean you don't want to

819

00:35:28,880 --> 00:35:26,970

i've had people email me saying is this

820

00:35:31,520 --> 00:35:28,890

a WTF and i've responded and said well

821

00:35:33,290 --> 00:35:31,530

you know you really need to take a step

822

00:35:34,880 --> 00:35:33,300

back and make sure you're not just you

823

00:35:37,100 --> 00:35:34,890

know ending a conversation prematurely

824

00:35:38,510 --> 00:35:37,110

and just insulting them it really does

825

00:35:41,090 --> 00:35:38,520

need to be the point where you say as

826

00:35:43,540 --> 00:35:41,100

you said their own issues and points are

827

00:35:45,620 --> 00:35:43,550

so incoherent and self contradictory

828

00:35:47,180 --> 00:35:45,630

that you think well this we would have

829

00:35:48,950 --> 00:35:47,190

to step back to first principles of

830

00:35:50,990 --> 00:35:48,960

logic and reason and they'd have to

831

00:35:52,820 --> 00:35:51,000

accept all those things so you some of

832

00:35:54,980 --> 00:35:52,830

the examples of using the book you know

833

00:35:58,070 --> 00:35:54,990

a real example so when Madonna was

834

00:36:00,560 --> 00:35:58,080

talking about her wanting to you know

835

00:36:02,000 --> 00:36:00,570

help the world with nuclear waste but

836

00:36:03,380 --> 00:36:02,010

what's the point with it because you

837

00:36:04,610 --> 00:36:03,390

know she writes all these great songs

838

00:36:06,560 --> 00:36:04,620

and there's no world then what's the

839

00:36:10,820 --> 00:36:06,570

point writing all these songs and you

840

00:36:13,070 --> 00:36:10,830

know things like the the Richard Dawkins

841

00:36:15,050 --> 00:36:13,080

fantastic documentary the enemies of

842

00:36:18,740 --> 00:36:15,060

reason and there's a woman talking about

843

00:36:20,930 --> 00:36:18,750

12 stands of DNA DNA in Atlantis etc you

844

00:36:23,240 --> 00:36:20,940

just go right it's so incoherent you

845

00:36:24,470 --> 00:36:23,250

know you're taking DNA then Atlantis and

846

00:36:26,240 --> 00:36:24,480

all these different things and there's

847

00:36:30,320 --> 00:36:26,250

literally no point in engaging with her

848

00:36:31,910 --> 00:36:30,330

yes yes and that that's a can lead to

849

00:36:33,920 --> 00:36:31,920

very interesting situations when then

850

00:36:35,510 --> 00:36:33,930

you're accused of not engaging with

851

00:36:37,070 --> 00:36:35,520

people from a different point of view

852

00:36:38,660 --> 00:36:37,080

and what are you scared of skeptic and

853

00:36:42,050 --> 00:36:38,670

why don't you argue with this person and

854

00:36:43,670 --> 00:36:42,060

your head desking away yeah life's too

855

00:36:45,440 --> 00:36:43,680

short basically that's what it is and

856

00:36:46,700 --> 00:36:45,450

it's that internet meme of I can't go to

857

00:36:49,040 --> 00:36:46,710

bed now because someone's wrong on the

858

00:36:50,450 --> 00:36:49,050

Internet yeah just go well actually it's

859

00:36:52,730 --> 00:36:50,460

not worth investing in that time and

860

00:36:55,250 --> 00:36:52,740

effort and your travels when you're

861

00:36:58,370 --> 00:36:55,260

talking with people what what are what

862

00:37:02,210 --> 00:36:58,380

is the most common fallacy people would

863

00:37:04,820 --> 00:37:02,220

innocently fall into look again I'd have

864

00:37:07,640 --> 00:37:04,830

to say a couple that I really do notice

865

00:37:09,470 --> 00:37:07,650

is you know false dichotomy so people

866

00:37:11,690 --> 00:37:09,480

often will say you know if we do this we

867

00:37:13,570 --> 00:37:11,700

can't do that or you know blackened up

868

00:37:17,270 --> 00:37:13,580

kind of black and white thinking yeah

869

00:37:20,120 --> 00:37:17,280

certainly the misuse of information so

870

00:37:21,710 --> 00:37:20,130

misusing science in particular is one

871

00:37:23,060 --> 00:37:21,720

that you know personally my background

872

00:37:26,030 --> 00:37:23,070

is as a physics teacher so that one

873

00:37:27,890 --> 00:37:26,040

really just drives me up the wall and I

874

00:37:29,690 --> 00:37:27,900

certainly say moving the goalposts so in

875

00:37:31,910 --> 00:37:29,700

a conversation and a discussion or an

876

00:37:33,829 --> 00:37:31,920

argument people will start

877

00:37:35,359 --> 00:37:33,839

get off topic pretty quickly and shift

878

00:37:36,549 --> 00:37:35,369

the goalposts oh that's there probably

879

00:37:38,450 --> 00:37:36,559

some of the big ones that I see

880

00:37:40,280 --> 00:37:38,460

obviously just in terms of people's

881

00:37:42,319 --> 00:37:40,290

cognitive biases so things like

882

00:37:44,089 --> 00:37:42,329

observational selection that kind of

883

00:37:46,130 --> 00:37:44,099

stuff as well some of the ones that I

884

00:37:47,900 --> 00:37:46,140

commonly see even with some of my

885

00:37:51,620 --> 00:37:47,910

colleagues but I won't that will be

886

00:37:53,359 --> 00:37:51,630

remain nameless I i do see those ones i

887

00:37:56,299 --> 00:37:53,369

also see the argument from Authority

888

00:37:59,359 --> 00:37:56,309

used quite a lot so and so said this

889

00:38:02,089 --> 00:37:59,369

therefore you know you can a lot of wage

890

00:38:03,710 --> 00:38:02,099

because so-and-so said this yeah you

891

00:38:05,059 --> 00:38:03,720

know I mean in terms of and obviously

892

00:38:06,680 --> 00:38:05,069

appeal to celebrities one of the ones

893

00:38:08,450 --> 00:38:06,690

that really has come on to the in the

894

00:38:10,400 --> 00:38:08,460

four in the last time decade or so

895

00:38:12,500 --> 00:38:10,410

obviously people like Jenny McCarthy and

896

00:38:14,780 --> 00:38:12,510

um those kind of people have done a lot

897

00:38:17,270 --> 00:38:14,790

of damage to so that's a real worry the

898

00:38:19,400 --> 00:38:17,280

other 1i it's a kind of a new one and I

899

00:38:20,750 --> 00:38:19,410

hadn't seen really out there was what I

900

00:38:23,510 --> 00:38:20,760

like to phrase as an argument from

901  
00:38:26,539 --> 00:38:23,520  
imagination I saw the book yeah that's

902  
00:38:27,680 --> 00:38:26,549  
it you janu on you again because there

903  
00:38:29,630 --> 00:38:27,690  
hadn't really been anything out there

904  
00:38:31,940 --> 00:38:29,640  
were people they come up with an idea

905  
00:38:34,099 --> 00:38:31,950  
about the way the world works and then

906  
00:38:36,200 --> 00:38:34,109  
they propose a hypothesis and then they

907  
00:38:38,390 --> 00:38:36,210  
just assume that that hypothesis is true

908  
00:38:40,069 --> 00:38:38,400  
and they don't actually go and find any

909  
00:38:42,079 --> 00:38:40,079  
evidence for it you know the hypothesis

910  
00:38:43,910 --> 00:38:42,089  
might make sense but essentially really

911  
00:38:45,740 --> 00:38:43,920  
it's just saying in my imagination I

912  
00:38:47,930 --> 00:38:45,750  
think this is how the world works and I

913  
00:38:49,609 --> 00:38:47,940

looked around to try and find a fallacy

914

00:38:52,430 --> 00:38:49,619

that related to that anything i could

915

00:38:54,170 --> 00:38:52,440

say fun was the opposite you know the

916

00:38:55,339 --> 00:38:54,180

argument from personal incredulity when

917

00:38:57,140 --> 00:38:55,349

they said well i can't imagine how that

918

00:38:58,910 --> 00:38:57,150

could work so it's really the opposite

919

00:39:00,710 --> 00:38:58,920

version where if i can imagine how it

920

00:39:03,289 --> 00:39:00,720

works then that is the way it works and

921

00:39:04,430 --> 00:39:03,299

again if you take a step back and think

922

00:39:06,440 --> 00:39:04,440

of it it's almost like begging the

923

00:39:08,390 --> 00:39:06,450

question the question has a very

924

00:39:09,950 --> 00:39:08,400

particular form so that was another one

925

00:39:12,260 --> 00:39:09,960

that i thought it is a useful way of

926

00:39:14,270 --> 00:39:12,270

categorizing some of the types of you

927

00:39:15,950 --> 00:39:14,280

know weak arguments people make I think

928

00:39:17,900 --> 00:39:15,960

begging the question two is a really

929

00:39:22,069 --> 00:39:17,910

important one that people should bear in

930

00:39:23,630 --> 00:39:22,079

mind because again from from a skeptical

931

00:39:27,530 --> 00:39:23,640

point of view being a skeptic out there

932

00:39:30,349 --> 00:39:27,540

and hearing people's points of view so

933

00:39:32,960 --> 00:39:30,359

often so often in my experience people

934

00:39:36,230 --> 00:39:32,970

will beg the question when they say to

935

00:39:37,250 --> 00:39:36,240

me something like well mr. skeptic I

936

00:39:39,410 --> 00:39:37,260

always know where they're coming from

937

00:39:41,450 --> 00:39:39,420

when they say mr. skeptic they say mr.

938

00:39:43,490 --> 00:39:41,460

skeptic what about that what about all

939

00:39:45,560 --> 00:39:43,500

the people who have seen ghosts or what

940

00:39:47,240 --> 00:39:45,570

about the time what do you say to

941

00:39:49,820 --> 00:39:47,250

little girl who sees a ghost every night

942

00:39:51,200 --> 00:39:49,830

it's um it happens so frequently this

943

00:39:52,790 --> 00:39:51,210

begging the question and I think it's a

944

00:39:54,590 --> 00:39:52,800

really important one people should

945

00:39:57,050 --> 00:39:54,600

understand at least they're being polite

946

00:39:59,090 --> 00:39:57,060

by calling you mr. Skippy oh I can give

947

00:40:00,740 --> 00:39:59,100

them that yeah and again I mean that

948

00:40:02,450 --> 00:40:00,750

that's a really good classic example of

949

00:40:04,610 --> 00:40:02,460

that burden of proof fallacy as well

950

00:40:06,770 --> 00:40:04,620

where they say well if you can't prove

951  
00:40:08,270 --> 00:40:06,780  
that it's not goes yeah that's because

952  
00:40:10,190 --> 00:40:08,280  
then you're so we'll hang on a second

953  
00:40:11,870 --> 00:40:10,200  
but where does a burden like the burden

954  
00:40:14,540 --> 00:40:11,880  
actually lies in the person make making

955  
00:40:16,400 --> 00:40:14,550  
the claim so if their claim is

956  
00:40:17,900 --> 00:40:16,410  
essentially eyewitness testimony and

957  
00:40:19,610 --> 00:40:17,910  
they really just haven't done the

958  
00:40:21,920 --> 00:40:19,620  
research or the reading about well how

959  
00:40:23,510 --> 00:40:21,930  
valid is eyewitness testimony in terms

960  
00:40:26,180 --> 00:40:23,520  
of hallucinations and things like that

961  
00:40:29,000 --> 00:40:26,190  
so all those phenomena can be explained

962  
00:40:30,380 --> 00:40:29,010  
by our understanding in modern

963  
00:40:31,610 --> 00:40:30,390

psychology in the research now we've

964

00:40:33,200 --> 00:40:31,620

read people that Richard Wiseman and

965

00:40:35,420 --> 00:40:33,210

those guys and you get a pretty clear

966

00:40:38,060 --> 00:40:35,430

picture of an alternative hypothesis

967

00:40:39,830 --> 00:40:38,070

that probably has more weight that's

968

00:40:41,570 --> 00:40:39,840

another thing we added to the settler to

969

00:40:44,000 --> 00:40:41,580

the second edition of the book is some

970

00:40:45,860 --> 00:40:44,010

of those you know tools are skeptical

971

00:40:47,030 --> 00:40:45,870

thinking some of those ones a Carl Sagan

972

00:40:51,290 --> 00:40:47,040

talk about such as spinning and other

973

00:40:52,760 --> 00:40:51,300

hypotheses and that that claim you get

974

00:40:55,040 --> 00:40:52,770

made by those people you know how can

975

00:40:56,510 --> 00:40:55,050

you explain this well of course I can't

976

00:40:59,210 --> 00:40:56,520

explain it I wasn't there I didn't see

977

00:41:00,440 --> 00:40:59,220

it no yeah so and then it's almost put

978

00:41:03,230 --> 00:41:00,450

forward it's like a horrible therefore i

979

00:41:04,910 --> 00:41:03,240

win life's little inclination I brings

980

00:41:06,920 --> 00:41:04,920

all the laws of physics so your

981

00:41:09,050 --> 00:41:06,930

explanation a little bit more

982

00:41:11,740 --> 00:41:09,060

challenging to actually with uphold it

983

00:41:14,420 --> 00:41:11,750

happens again again people are there's a

984

00:41:18,260 --> 00:41:14,430

guy at the moment with these UFO videos

985

00:41:21,020 --> 00:41:18,270

online dealing with the skeptics and his

986

00:41:23,750 --> 00:41:21,030

basic premises will you can't tell what

987

00:41:25,400 --> 00:41:23,760

it is therefore i win yeah i mean answer

988

00:41:27,800 --> 00:41:25,410

that is though that's the classic burden

989

00:41:29,450 --> 00:41:27,810

of proof and you know if we have

990

00:41:31,220 --> 00:41:29,460

ruled out every other possibility and

991

00:41:32,720 --> 00:41:31,230

that's the only ones left over fair

992

00:41:34,910 --> 00:41:32,730

enough but i don't think we've ruled out

993

00:41:38,150 --> 00:41:34,920

every other possibility yeah that's

994

00:41:40,190 --> 00:41:38,160

right so Theo how can people get their

995

00:41:41,840 --> 00:41:40,200

hands on a copy of this book which is an

996

00:41:44,780 --> 00:41:41,850

e-book by the way so people can

997

00:41:47,390 --> 00:41:44,790

certainly easily read it on their their

998

00:41:49,550 --> 00:41:47,400

tablets and so on what's the best place

999

00:41:52,730 --> 00:41:49,560

people can go to the best place is just

1000

00:41:54,260 --> 00:41:52,740

to go to the website WWE app text field

1001  
00:41:56,300 --> 00:41:54,270  
guide net and there's a link that says

1002  
00:41:59,030 --> 00:41:56,310  
ebook and yet the choice of platforms at

1003  
00:42:02,120 --> 00:41:59,040  
the moment on kindle google play ball

1004  
00:42:05,600 --> 00:42:02,130  
and also loo loo the loo loo version is

1005  
00:42:07,220 --> 00:42:05,610  
a drm-free epub so if you prefer to have

1006  
00:42:10,400 --> 00:42:07,230  
a drm-free so you know digital rights

1007  
00:42:12,620 --> 00:42:10,410  
management free version it's there the

1008  
00:42:15,290 --> 00:42:12,630  
original first edition is freely

1009  
00:42:16,400 --> 00:42:15,300  
available as a scan because I you know

1010  
00:42:17,480 --> 00:42:16,410  
send it into google books and they

1011  
00:42:19,280 --> 00:42:17,490  
scanned it I've made the entire thing

1012  
00:42:20,660 --> 00:42:19,290  
free so you just want to cop free copy

1013  
00:42:22,460 --> 00:42:20,670

the first edition you can grab that but

1014

00:42:24,590 --> 00:42:22,470

as I said I have rewritten every single

1015

00:42:28,220 --> 00:42:24,600

sentence painstakingly so I'd get the

1016

00:42:30,200 --> 00:42:28,230

ebook it's only 399 I am investigating

1017

00:42:31,400 --> 00:42:30,210

doing some print on demand to make a

1018

00:42:32,840 --> 00:42:31,410

paperback version because already had a

1019

00:42:34,760 --> 00:42:32,850

couple of people saved they'd like a

1020

00:42:36,260 --> 00:42:34,770

paperback version so I'll certainly let

1021

00:42:37,970 --> 00:42:36,270

you know when that happens we've also

1022

00:42:39,740 --> 00:42:37,980

relaunch the podcast so that's the other

1023

00:42:43,100 --> 00:42:39,750

thing that's happened to us with my

1024

00:42:47,060 --> 00:42:43,110

father yeah I'm Jeff and I'm relaunching

1025

00:42:48,470 --> 00:42:47,070

it probably every fortnight the purpose

1026

00:42:50,900 --> 00:42:48,480

of it is to go through every single

1027

00:42:52,580 --> 00:42:50,910

fallacy in the book included in that

1028

00:42:53,870 --> 00:42:52,590

will be some of the original episodes I

1029

00:42:55,370 --> 00:42:53,880

mean to splicing them in there with my

1030

00:42:58,130 --> 00:42:55,380

dad Jeff because I think it's a good

1031

00:42:59,810 --> 00:42:58,140

tribute to him sure and also the

1032

00:43:02,450 --> 00:42:59,820

original is archive but you can't access

1033

00:43:04,430 --> 00:43:02,460

it via podcast app so that's another

1034

00:43:06,920 --> 00:43:04,440

thing I'm doing as well excellent well

1035

00:43:09,830 --> 00:43:06,930

there you go folks the book is humbug

1036

00:43:12,290 --> 00:43:09,840

the skeptics field guide to spotting

1037

00:43:14,390 --> 00:43:12,300

fallacies and deceptive arguments it

1038

00:43:15,920 --> 00:43:14,400

certainly it's like the handbook I think

1039

00:43:18,800 --> 00:43:15,930

every skeptic should have on their

1040

00:43:21,440 --> 00:43:18,810

device or about them it's good to read

1041

00:43:23,780 --> 00:43:21,450

at at least once a year to refresh

1042

00:43:26,180 --> 00:43:23,790

yourself on all these interesting ways

1043

00:43:27,920 --> 00:43:26,190

that people can use bad arguments and

1044

00:43:30,320 --> 00:43:27,930

being a skeptic you're going to come

1045

00:43:32,570 --> 00:43:30,330

across bad arguments all the time Theo

1046

00:43:34,570 --> 00:43:32,580

really nice to catch up with you and all

1047

00:43:36,920 --> 00:43:34,580

the best with the book and the podcast

1048

00:43:38,300 --> 00:43:36,930

excellent thanks Richard and thanks surf

1049

00:43:46,660 --> 00:43:38,310

the opportunity to have a chatty of our

1050

00:43:50,750 --> 00:43:48,920

are you enjoying the skeptics own

1051  
00:43:53,299 --> 00:43:50,760  
podcast and wondering where you can find

1052  
00:43:55,160 --> 00:43:53,309  
more skeptical information skeptics on

1053  
00:43:57,049 --> 00:43:55,170  
the net is an online directory for

1054  
00:43:59,120 --> 00:43:57,059  
everything skeptical it features

1055  
00:44:02,089 --> 00:43:59,130  
listings for skeptical podcasts blogs

1056  
00:44:04,339 --> 00:44:02,099  
people local groups and more it also

1057  
00:44:05,930 --> 00:44:04,349  
includes the sotn blog where people in

1058  
00:44:07,640 --> 00:44:05,940  
the know right introductions to their

1059  
00:44:17,559 --> 00:44:07,650  
favorite skeptical and pseudo scientific

1060  
00:44:23,930 --> 00:44:21,140  
and now join me as I go to Sydney

1061  
00:44:26,599 --> 00:44:23,940  
skeptics in the pub always on the first

1062  
00:44:30,140 --> 00:44:26,609  
thursday of each month at the crown

1063  
00:44:42,120 --> 00:44:30,150

hotel in the city you can find out more

1064

00:44:46,329 --> 00:44:44,499

well the talks all over folks we had a

1065

00:44:48,069 --> 00:44:46,339

great talk tonight about morality and

1066

00:44:51,039 --> 00:44:48,079

God good heavens what an interesting

1067

00:44:52,959 --> 00:44:51,049

talk and I'm was delighted delighted to

1068

00:44:54,609 --> 00:44:52,969

see lots of new faces here at skeptics

1069

00:44:57,999 --> 00:44:54,619

in the pub tonight hello into your face

1070

00:45:00,190 --> 00:44:58,009

hi I'm eiza aiza um thank you for coming

1071

00:45:01,809 --> 00:45:00,200

along to Sydney skeptics in the pub it's

1072

00:45:03,609 --> 00:45:01,819

great this is the first time I've ever

1073

00:45:07,390 --> 00:45:03,619

been here and I have to say that the

1074

00:45:10,900 --> 00:45:07,400

speaker was amazing I think very deep

1075

00:45:15,309 --> 00:45:10,910

partner philosophy philosophy you know

1076

00:45:17,559 --> 00:45:15,319

all that nerdy stuff but it was greatest

1077

00:45:19,630 --> 00:45:17,569

I think I'm very stimulating and it

1078

00:45:21,849 --> 00:45:19,640

gives you some something really meaty to

1079

00:45:24,819 --> 00:45:21,859

chew on and think about that's one way

1080

00:45:25,989 --> 00:45:24,829

to say i must admit i will always keen

1081

00:45:28,539 --> 00:45:25,999

to know how did you find out about

1082

00:45:31,150 --> 00:45:28,549

Sydney skeptics in the pub actually on

1083

00:45:33,279 --> 00:45:31,160

the meetup group yes and I've been on

1084

00:45:35,799 --> 00:45:33,289

the meetup group for almost a year but

1085

00:45:38,079 --> 00:45:35,809

I've never come before because most of

1086

00:45:41,849 --> 00:45:38,089

my master's classes on thursday nights

1087

00:45:43,930 --> 00:45:41,859

at the masters classes oh what's that in

1088

00:45:46,269 --> 00:45:43,940

communications management whatever that

1089

00:45:47,979 --> 00:45:46,279

means ok whatever that means now you've

1090

00:45:50,380 --> 00:45:47,989

got a very lovely accent there where are

1091

00:45:51,819 --> 00:45:50,390

you from I'm from Malaysia Malaysia oh

1092

00:45:55,209 --> 00:45:51,829

and you're living in Australia just

1093

00:45:59,229 --> 00:45:55,219

studying I'm just both I guess well you

1094

00:46:00,700 --> 00:45:59,239

know it's not either/or well let me put

1095

00:46:02,349 --> 00:46:00,710

another way have you moved here or you

1096

00:46:06,099 --> 00:46:02,359

just keep sake style I want to move here

1097

00:46:07,719 --> 00:46:06,109

permanently yes I'm working on it of

1098

00:46:10,779 --> 00:46:07,729

course you do it's a wonderful place too

1099

00:46:12,849 --> 00:46:10,789

yes it is much better than at least in

1100

00:46:15,309 --> 00:46:12,859

terms of civil liberties much better

1101  
00:46:16,749 --> 00:46:15,319  
than Malaysia well then I can't comment

1102  
00:46:18,819 --> 00:46:16,759  
on because I've never been to Malaysia I

1103  
00:46:20,680 --> 00:46:18,829  
went to Singapore briefly but I've never

1104  
00:46:23,170 --> 00:46:20,690  
been to Malaysia I guess it's a nice

1105  
00:46:28,059 --> 00:46:23,180  
place to visit though it's a great place

1106  
00:46:32,190 --> 00:46:28,069  
to visit especially if you're the right

1107  
00:46:34,839 --> 00:46:32,200  
race oh yeah yeah yeah so um I think

1108  
00:46:36,489 --> 00:46:34,849  
that many good things about it but they

1109  
00:46:37,959 --> 00:46:36,499  
also as I say in terms of civil

1110  
00:46:40,509 --> 00:46:37,969  
liberties there's some things that are

1111  
00:46:41,950 --> 00:46:40,519  
lacking in our society I'm sure our

1112  
00:46:43,380 --> 00:46:41,960  
Malaysian listeners will be very

1113  
00:46:47,220 --> 00:46:43,390

interested to get that

1114

00:46:48,839 --> 00:46:47,230

we have a another you I think have you

1115

00:46:50,400 --> 00:46:48,849

been here before all this is your first

1116

00:46:52,170 --> 00:46:50,410

time you left rest are this is my first

1117

00:46:54,240 --> 00:46:52,180

time here and how did you discover us

1118

00:46:56,210 --> 00:46:54,250

well I'm a longtime listener I listened

1119

00:46:58,470 --> 00:46:56,220

to your very first skeptics own podcast

1120

00:47:02,730 --> 00:46:58,480

so you're the man who listened to my

1121

00:47:04,650 --> 00:47:02,740

first that's me and yeah I believed

1122

00:47:06,960 --> 00:47:04,660

lived in coffs harbour still do but i

1123

00:47:08,279 --> 00:47:06,970

recently got working in sydney right and

1124

00:47:09,599 --> 00:47:08,289

i'll be here for about 12 months or so

1125

00:47:11,730 --> 00:47:09,609

and this is the first opportunity I've

1126  
00:47:14,339 --> 00:47:11,740  
had to come to one of the meetings all

1127  
00:47:16,890 --> 00:47:14,349  
it's like coming home please you're here

1128  
00:47:18,750 --> 00:47:16,900  
coffs harbour I used to live on the far

1129  
00:47:20,370 --> 00:47:18,760  
north coast of new cell phones myself

1130  
00:47:22,859 --> 00:47:20,380  
when I was growing up so I know coffs

1131  
00:47:24,630 --> 00:47:22,869  
harbour it's a it's a lovely place it's

1132  
00:47:28,529 --> 00:47:24,640  
big banana right the big banana that's

1133  
00:47:30,660 --> 00:47:28,539  
right it every April first as an article

1134  
00:47:34,650 --> 00:47:30,670  
in the paper with it banana was taken

1135  
00:47:36,950 --> 00:47:34,660  
away for the weekend bit skeptical but

1136  
00:47:40,319 --> 00:47:36,960  
yeah great place to be of great climate

1137  
00:47:41,579 --> 00:47:40,329  
great climb please I'm Alicia come along

1138  
00:47:43,529 --> 00:47:41,589

tonight and I hope you had a good night

1139

00:47:46,559 --> 00:47:43,539

I dare wonderful night the great speak

1140

00:47:49,650 --> 00:47:46,569

great speech here fantastic I think so

1141

00:47:51,720 --> 00:47:49,660

too i'm not sure what's on next month I

1142

00:47:53,370 --> 00:47:51,730

won't be here myself i'll be in the in

1143

00:47:55,140 --> 00:47:53,380

the united states on my way to the

1144

00:47:58,289 --> 00:47:55,150

amazing meeting but i've already

1145

00:47:59,910 --> 00:47:58,299

promised the organizer jessica over

1146

00:48:01,829 --> 00:47:59,920

there that i'll be speaking on the one

1147

00:48:03,120 --> 00:48:01,839

after that okay that's great i'll be

1148

00:48:04,650 --> 00:48:03,130

here for the next one end they went

1149

00:48:06,599 --> 00:48:04,660

after not sure what I'm going to say but

1150

00:48:09,240 --> 00:48:06,609

I'm sure I'll find out I'll find

1151  
00:48:14,490 --> 00:48:09,250  
something to talk about well thank you

1152  
00:48:15,870 --> 00:48:14,500  
both for coming along thank you goodness

1153  
00:48:18,029 --> 00:48:15,880  
me it's an agretti from the Blue

1154  
00:48:20,249 --> 00:48:18,039  
Mountains hello hello Richard Saunders

1155  
00:48:22,049 --> 00:48:20,259  
how are you but you know you travel now

1156  
00:48:24,599 --> 00:48:22,059  
I'm from the Blue Mountains every month

1157  
00:48:27,089 --> 00:48:24,609  
for this yes yes I'm very committed in

1158  
00:48:28,890 --> 00:48:27,099  
the train yes the train is great it's

1159  
00:48:30,690 --> 00:48:28,900  
not bad is it no it's very comfortable

1160  
00:48:33,569 --> 00:48:30,700  
and what do you like about Sydney's

1161  
00:48:35,720 --> 00:48:33,579  
skeptics in the pub oh okay I'm well I

1162  
00:48:38,160 --> 00:48:35,730  
like the variety of speakers and the

1163  
00:48:39,360 --> 00:48:38,170

like-minded people

1164

00:48:43,020 --> 00:48:39,370

getting to know wonderful people like

1165

00:48:46,200 --> 00:48:43,030

you Richard haha come on the show

1166

00:48:48,780 --> 00:48:46,210

anytime and it's a great pity that our

1167

00:48:50,460 --> 00:48:48,790

dear friend agile the best is not well

1168

00:48:53,040 --> 00:48:50,470

at the moment no I think she's got a bit

1169

00:48:54,660 --> 00:48:53,050

of a cold oh dear yeah but she also

1170

00:48:57,300 --> 00:48:54,670

normally makes the journey down from the

1171

00:48:59,040 --> 00:48:57,310

lounge in fact she's probably big reason

1172

00:49:00,960 --> 00:48:59,050

why I go down having been accompanied on

1173

00:49:03,540 --> 00:49:00,970

the train and you know making a bit of a

1174

00:49:05,310 --> 00:49:03,550

friend adding it's it's great yeah yeah

1175

00:49:06,780 --> 00:49:05,320

well um I the other thing I really like

1176

00:49:09,570 --> 00:49:06,790

about it is the fact that you you're not

1177

00:49:11,520 --> 00:49:09,580

some economically bound you know there's

1178

00:49:13,440 --> 00:49:11,530

no there's no entry price yeah you don't

1179

00:49:15,630 --> 00:49:13,450

have to eat or drink you don't hear you

1180

00:49:17,880 --> 00:49:15,640

don't want to no no no so it really

1181

00:49:20,670 --> 00:49:17,890

accessible open to everybody lithium

1182

00:49:22,560 --> 00:49:20,680

secret oh if you go downstairs and put a

1183

00:49:26,640 --> 00:49:22,570

dollar in the poker machines you can

1184

00:49:30,540 --> 00:49:26,650

nibble their cheese and biscuits is it

1185

00:49:32,790 --> 00:49:30,550

worth a dollar how do you get a bit of

1186

00:49:34,230 --> 00:49:32,800

entertainment sadness and the sadness

1187

00:49:36,270 --> 00:49:34,240

and a couple of cheese and biscuits

1188

00:49:37,560 --> 00:49:36,280

sadness as we're looking at the people

1189

00:49:39,600 --> 00:49:37,570

who've been there since six and the more

1190

00:49:40,890 --> 00:49:39,610

now moving up tell me more about your

1191

00:49:44,610 --> 00:49:40,900

group up in the Blue Mountains how's

1192

00:49:47,070 --> 00:49:44,620

that going fantastic we've had 34 really

1193

00:49:50,310 --> 00:49:47,080

great talks so far on on political

1194

00:49:53,130 --> 00:49:50,320

philosophy and one you know in a second

1195

00:49:55,530 --> 00:49:53,140

group of three talks on reason and

1196

00:49:57,750 --> 00:49:55,540

emotion and there's another one coming

1197

00:50:01,980 --> 00:49:57,760

up on the fourteenth oh no the 20-foot

1198

00:50:05,010 --> 00:50:01,990

know sometime what's the website it is a

1199

00:50:07,410 --> 00:50:05,020

blackheath philosophy org dot au and

1200

00:50:09,180 --> 00:50:07,420

we're also on Facebook people in the

1201

00:50:11,370 --> 00:50:09,190

blue mountains area might do well to

1202

00:50:13,140 --> 00:50:11,380

check it out oh absolutely where cross

1203

00:50:15,560 --> 00:50:13,150

the road from the train station it's ten

1204

00:50:18,570 --> 00:50:15,570

bucks including a nice afternoon tea and

1205

00:50:20,040 --> 00:50:18,580

it's always a great speaker and a really

1206

00:50:22,650 --> 00:50:20,050

interesting afternoon and there's always

1207

00:50:24,360 --> 00:50:22,660

plenty of time for Question and Answer

1208

00:50:25,890 --> 00:50:24,370

so everyone can get involved I must

1209

00:50:27,630 --> 00:50:25,900

admit I do have a soft spot for the Blue

1210

00:50:30,690 --> 00:50:27,640

Mountains I lived there for time when I

1211

00:50:33,240 --> 00:50:30,700

was a very young boy in lithgow oh I'm

1212

00:50:35,190 --> 00:50:33,250

not sure we call that the mountain what

1213

00:50:37,290 --> 00:50:35,200

do you go what is it well because let

1214

00:50:38,640 --> 00:50:37,300

guys actually when your descent is after

1215

00:50:40,470 --> 00:50:38,650

you can you make that descent down that

1216

00:50:42,530 --> 00:50:40,480

Victoria pass then you're in leaf goes

1217

00:50:45,630 --> 00:50:42,540

guess you're right in the mountain

1218

00:50:49,590 --> 00:50:45,640

what's that area called in oh good one

1219

00:50:52,470 --> 00:50:49,600

down the other side western New South

1220

00:50:54,450 --> 00:50:52,480

Wales aw really yeah yeah yeah it is

1221

00:50:57,840 --> 00:50:54,460

that purpose it's still snows there you

1222

00:51:01,290 --> 00:50:57,850

know yes it's nice orange too but you

1223

00:51:03,390 --> 00:51:01,300

know it's true and it's knows where you

1224

00:51:04,890 --> 00:51:03,400

live oh very occasionally we actually

1225

00:51:06,690 --> 00:51:04,900

you actually get a lot bit of snow out

1226

00:51:09,180 --> 00:51:06,700

on the Oberon photo then you do on the

1227

00:51:11,700 --> 00:51:09,190

on the mountains where we're very lucky

1228

00:51:15,030 --> 00:51:11,710

if we ever get snow or unlucky depending

1229

00:51:17,040 --> 00:51:15,040

no no no lucky lucky lucky lucky yeah I

1230

00:51:19,410 --> 00:51:17,050

be I like a little bit of snow every now

1231

00:51:20,730 --> 00:51:19,420

and then so much faster I'm you know if

1232

00:51:22,800 --> 00:51:20,740

it snowed for six months of the year

1233

00:51:25,290 --> 00:51:22,810

we'd probably hate it but it's such a

1234

00:51:27,210 --> 00:51:25,300

novelty and it's just beautiful and it

1235

00:51:28,860 --> 00:51:27,220

changes the landscape completely takes

1236

00:51:32,190 --> 00:51:28,870

all the color out of it it's just it's

1237

00:51:34,020 --> 00:51:32,200

anime know was like sort of very young

1238

00:51:35,310 --> 00:51:34,030

other time I'm saying well thanks Dan

1239

00:51:36,600 --> 00:51:35,320

are always great to see you here at

1240

00:51:38,880 --> 00:51:36,610

Sydney's skippers in the park it's great

1241

00:51:43,460 --> 00:51:38,890

to see you yeah I always great to see

1242

00:51:47,850 --> 00:51:46,080

are the evenings winding down but that's

1243

00:51:50,420 --> 00:51:47,860

fine I mean a lot of people still here

1244

00:51:52,980 --> 00:51:50,430

socializing and drinking and

1245

00:51:56,790 --> 00:51:52,990

conversation and eating Jessica singer

1246

00:51:58,440 --> 00:51:56,800

hello hi yeah UHN I mean I I kicked this

1247

00:52:00,720 --> 00:51:58,450

off many years ago but you you're the

1248

00:52:05,430 --> 00:52:00,730

woman now who really organizes it aren't

1249

00:52:06,890 --> 00:52:05,440

you I am I I haven't I have step over

1250

00:52:10,039 --> 00:52:06,900

here

1251

00:52:12,589 --> 00:52:10,049

yes i have i have inherited it from you

1252

00:52:16,549 --> 00:52:12,599

in terms of organization and i owe your

1253

00:52:19,130 --> 00:52:16,559

huge debt because you you really you

1254

00:52:21,890 --> 00:52:19,140

really you know set the standard you

1255

00:52:24,710 --> 00:52:21,900

will you did the groundwork you using

1256

00:52:26,960 --> 00:52:24,720

year after year yeah month after month

1257

00:52:29,269 --> 00:52:26,970

you came along from small small small

1258

00:52:32,299 --> 00:52:29,279

larger larger budget and now it's just

1259

00:52:35,839 --> 00:52:32,309

it's just it was a packed house tonight

1260

00:52:38,450 --> 00:52:35,849

i'm ray pleased about that and now it's

1261

00:52:40,609 --> 00:52:38,460

your job well apart everybody's job and

1262

00:52:43,609 --> 00:52:40,619

yours especially to find speakers every

1263

00:52:45,079 --> 00:52:43,619

month and i guess this is a bit of a

1264

00:52:46,789 --> 00:52:45,089

shout out for people in the sydney area

1265

00:52:50,510 --> 00:52:46,799

if you have something interesting of the

1266

00:52:52,880 --> 00:52:50,520

scientific bent to talk about yep not

1267

00:52:55,299 --> 00:52:52,890

necessarily skeptically related not

1268

00:53:00,319 --> 00:52:55,309

necessarily skeptical scientific

1269

00:53:04,640 --> 00:53:00,329

skeptical just interesting not whoo we

1270

00:53:08,599 --> 00:53:04,650

don't like whoo not really but but yeah

1271

00:53:12,769 --> 00:53:08,609

we're open to we're open to all speakers

1272

00:53:16,069 --> 00:53:12,779

you know all topics all areas it's is

1273

00:53:17,930 --> 00:53:16,079

some we're just interested in in people

1274

00:53:20,329 --> 00:53:17,940

who have something interesting to say i

1275

00:53:23,029 --> 00:53:20,339

have to say the people who i approach

1276  
00:53:25,970 --> 00:53:23,039  
they're so generous with their time yes

1277  
00:53:27,620 --> 00:53:25,980  
yeah and they're so generous in agreeing

1278  
00:53:30,680 --> 00:53:27,630  
to come and speak with us it's it's

1279  
00:53:33,650 --> 00:53:30,690  
fantastic it is and look I mean yeah the

1280  
00:53:35,450 --> 00:53:33,660  
speech speech is over some people have

1281  
00:53:37,339 --> 00:53:35,460  
left but look at all the people just at

1282  
00:53:39,500 --> 00:53:37,349  
tables I got a beer in their hand

1283  
00:53:41,839 --> 00:53:39,510  
they're all engaged in conversation it's

1284  
00:53:43,640 --> 00:53:41,849  
exactly what I wanted to do when this

1285  
00:53:46,400 --> 00:53:43,650  
was kicked off exactly it's also a

1286  
00:53:49,170 --> 00:53:46,410  
social occasion yes oh yes oh the talk

1287  
00:53:52,559 --> 00:53:49,180  
is is is one part of it

1288  
00:53:55,470 --> 00:53:52,569

and in fact my understanding is that you

1289

00:53:57,059 --> 00:53:55,480

introduced the talk because as the as

1290

00:54:00,299 --> 00:53:57,069

the group was getting bigger and bigger

1291

00:54:04,380 --> 00:54:00,309

and bigger it was it was difficult for

1292

00:54:07,500 --> 00:54:04,390

newcomers to meet people and often

1293

00:54:10,950 --> 00:54:07,510

difficult for shy people to chill mix

1294

00:54:12,660 --> 00:54:10,960

yeah and so we introduced the talk not

1295

00:54:15,690 --> 00:54:12,670

really as a focal point but just as a

1296

00:54:18,359 --> 00:54:15,700

starting point to get people mixing get

1297

00:54:21,660 --> 00:54:18,369

people talking and it's actually quite

1298

00:54:24,210 --> 00:54:21,670

interesting to see you know the energy

1299

00:54:27,450 --> 00:54:24,220

in the room before the talk I energy in

1300

00:54:29,730 --> 00:54:27,460

the room isn't that it's not a I know

1301

00:54:31,200 --> 00:54:29,740

what you mean I think you listeners know

1302

00:54:35,370 --> 00:54:31,210

where your mind we're talking about the

1303

00:54:37,559 --> 00:54:35,380

vibe / the vibe in the room before the

1304

00:54:39,420 --> 00:54:37,569

talk when you know perhaps there are

1305

00:54:41,790 --> 00:54:39,430

some you come and say feel a bit shy and

1306

00:54:44,569 --> 00:54:41,800

then after the top people really loosen

1307

00:54:47,430 --> 00:54:44,579

up it's really nice because we've got a

1308

00:54:49,710 --> 00:54:47,440

nice couple of newcomers over there who

1309

00:54:51,660 --> 00:54:49,720

I spoke to before happily engaged in

1310

00:54:53,309 --> 00:54:51,670

conversation it's a really nice social

1311

00:54:55,079 --> 00:54:53,319

opportunity yeah and I suppose also

1312

00:55:00,780 --> 00:54:55,089

after the talk people have had a few

1313

00:55:02,760 --> 00:55:00,790

drinks too oh really allowing for the

1314

00:55:04,620 --> 00:55:02,770

effects of alcohol and people who's

1315

00:55:06,089 --> 00:55:04,630

sending up yet so the message used if

1316

00:55:08,099 --> 00:55:06,099

you're in the sydney area and you're a

1317

00:55:11,460 --> 00:55:08,109

scientist and engaged some interesting

1318

00:55:14,390 --> 00:55:11,470

research hey contact us you can contact

1319

00:55:16,770 --> 00:55:14,400

us at the skeptics or the skeptic zone

1320

00:55:18,329 --> 00:55:16,780

you never know you might end up getting

1321

00:55:20,250 --> 00:55:18,339

our featured speaker for the month we'd

1322

00:55:22,020 --> 00:55:20,260

love to we'd love to have you and it's a

1323

00:55:25,319 --> 00:55:22,030

great crowd it's a really friendly crowd

1324

00:55:28,349 --> 00:55:25,329

there scientifically literate yes yep

1325

00:55:30,359 --> 00:55:28,359

really nice people and you'll have a

1326

00:55:34,799 --> 00:55:30,369

great night and you get a free dinner I

1327

00:55:36,809 --> 00:55:34,809

am freedom number and drinks as the

1328

00:55:39,000 --> 00:55:36,819

crowd dwindles if we can wrap it up from

1329

00:55:40,980 --> 00:55:39,010

Sydney skeptics in the pub I do get

1330

00:55:43,819 --> 00:55:40,990

emails occasionally from sort of well

1331

00:55:45,900 --> 00:55:43,829

corners of the world asking me about

1332

00:55:48,030 --> 00:55:45,910

setting up the skeptics in the pub

1333

00:55:50,579 --> 00:55:48,040

there's not much to say really just find

1334

00:55:51,990 --> 00:55:50,589

a nice cover and I spend you one that

1335

00:55:55,349 --> 00:55:52,000

preferably has do you know if people

1336

00:55:58,109 --> 00:55:55,359

want dinner or not meetups a good way to

1337

00:56:00,120 --> 00:55:58,119

start this process see if you can get

1338

00:56:01,859 --> 00:56:00,130

like minded people to come along well

1339

00:56:20,549 --> 00:56:01,869

all I can say in Sydney it's been very

1340

00:56:22,260 --> 00:56:20,559

successful rust 3 30 minute video fear

1341

00:56:24,630 --> 00:56:22,270

of the Islamic love justice skeptical

1342

00:56:26,490 --> 00:56:24,640

museum was not just a jutro prohodit

1343

00:56:28,020 --> 00:56:26,500

guarded we need ye lumis clear it up

1344

00:56:29,760 --> 00:56:28,030

with Russian position our podcast

1345

00:56:31,740 --> 00:56:29,770

Petrova hooded cardigan Janie what

1346

00:56:34,140 --> 00:56:31,750

Gospels whites escaped aside a cutter

1347

00:56:38,299 --> 00:56:34,150

bomber still not initiated st at the

1348

00:56:40,559 --> 00:56:38,309

wave over skeptics society Josh guru

1349

00:56:42,630 --> 00:56:40,569

everybody my name is carol and i'm the

1350

00:56:43,980 --> 00:56:42,640

founder of skeptics society russia come

1351

00:56:46,200 --> 00:56:43,990

visit us in moscow and our bi-weekly

1352

00:56:48,299 --> 00:56:46,210

meetings and also listen to our weekly

1353

00:56:49,920 --> 00:56:48,309

podcast which is called skeptic and the

1354

00:57:09,350 --> 00:56:49,930

site where you can find all that the

1355

00:57:14,220 --> 00:57:11,670

thank you for listening to the skeptic

1356

00:57:17,430 --> 00:57:14,230

zone in my everlasting thanks to those

1357

00:57:20,280 --> 00:57:17,440

people amongst you who are subscribed to

1358

00:57:23,880 --> 00:57:20,290

the skeptic zone by paypal at skeptic

1359

00:57:26,690 --> 00:57:23,890

zone TV less than a dollar a week micro

1360

00:57:29,370 --> 00:57:26,700

payments means the show keeps going and

1361

00:57:31,140 --> 00:57:29,380

you can enjoy the show of course whether

1362

00:57:33,330 --> 00:57:31,150

you subscribe or not but I like to think

1363

00:57:35,640 --> 00:57:33,340

those people who do subscribe and

1364

00:57:38,430 --> 00:57:35,650

occasionally very generously send a

1365

00:57:40,590 --> 00:57:38,440

little donation this way I hope those

1366

00:57:43,080 --> 00:57:40,600

people enjoy the show just that little

1367

00:57:45,240 --> 00:57:43,090

bit more in the coming week I'm going to

1368

00:57:48,840 --> 00:57:45,250

be very busy trying to finish off my

1369

00:57:50,460 --> 00:57:48,850

vaccination chronicles documentary of

1370

00:57:53,010 --> 00:57:50,470

Hollister string of bad luck I've had

1371

00:57:56,190 --> 00:57:53,020

six attempts now to film a certain

1372

00:57:58,320 --> 00:57:56,200

segment of the of the documentary each

1373

00:58:00,090 --> 00:57:58,330

time just hasn't worked out due to

1374

00:58:02,580 --> 00:58:00,100

lighting reasons or sound reasons or

1375

00:58:04,590 --> 00:58:02,590

camera reasons or whatever this week

1376

00:58:06,930 --> 00:58:04,600

however I'm pretty confident I'm going

1377

00:58:10,110 --> 00:58:06,940

to wrap that part of the filming up

1378

00:58:12,120 --> 00:58:10,120

maybe I'll get to show those people

1379

00:58:15,870 --> 00:58:12,130

going to the amazing meeting in Las

1380

00:58:18,060 --> 00:58:15,880

Vegas early next month a preview yeah

1381

00:58:20,850 --> 00:58:18,070

yeah why not if you're coming to the

1382

00:58:23,370 --> 00:58:20,860

amazing meeting and you see me come over

1383

00:58:25,140 --> 00:58:23,380

and say hello I'd love to meet you I'm

1384

00:58:26,640 --> 00:58:25,150

gonna be very busy at the amazing

1385

00:58:29,550 --> 00:58:26,650

meeting I think running around with dr.

1386

00:58:31,320 --> 00:58:29,560

Karl cruising iski and having a chat to

1387

00:58:33,870 --> 00:58:31,330

James Randi and all the good stuff all

1388

00:58:35,820 --> 00:58:33,880

the good fun stuff that goes on at tam

1389

00:58:38,010 --> 00:58:35,830

but for this week this is Richard

1390

00:58:44,310 --> 00:58:38,020

Saunders signing off from Sydney

1391

00:58:46,030 --> 00:58:44,320

Australia you've been listening to the

1392

00:58:50,860 --> 00:58:46,040

skeptic zone

1393

00:58:53,890 --> 00:58:50,870

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