

Show 471

THE
**SKEPTIC
ZONE**
PODCAST

29 October 2017

www.skepticzone.tv



Britt Marie Hermes

Reports from CSIcon 2017
in Las Vegas

Eugenie C. Scott
Rob Palmer
Brian Dunning

Extended interview with
Britt Marie Hermes

Australian patients vulnerable to quacks

Eran Segev chats to Mariusz Blochowiak



Mariusz Błochowiak

1
00:00:09,110 --> 00:00:05,920

[Music]

2
00:00:11,830 --> 00:00:09,120

welcome to the skeptic zone the podcast

3
00:00:13,910 --> 00:00:11,840

from Australia for science and reason

4
00:00:16,880 --> 00:00:13,920

[Music]

5
00:00:23,010 --> 00:00:16,890

[Applause]

6
00:00:25,600 --> 00:00:23,020

[Music]

7
00:00:29,350 --> 00:00:25,610

yes it's the skeptics own podcast

8
00:00:33,010 --> 00:00:29,360

episode number 471 for the 29th of

9
00:00:34,930 --> 00:00:33,020

October 2017 richardsaunders here with

10
00:00:38,740 --> 00:00:34,940

you coming to you coming to you this

11
00:00:43,040 --> 00:00:38,750

week from Las Vegas Nevada

12
00:00:50,620 --> 00:00:43,050

is the happy wonderful sounds of the

13
00:00:56,410 --> 00:00:52,750

this week we're kicking off a series of

14

00:00:58,960 --> 00:00:56,420

interviews from psych on the committee

15

00:01:01,210 --> 00:00:58,970

for skeptical inquiry the convention

16

00:01:02,740 --> 00:01:01,220

here and this series of interviews will

17

00:01:05,229 --> 00:01:02,750

last hopefully over the next couple of

18

00:01:07,930 --> 00:01:05,239

weeks at least as I record this the

19

00:01:10,180 --> 00:01:07,940

convention is only halfway through I've

20

00:01:12,430 --> 00:01:10,190

snuck up to my hotel room to put

21

00:01:13,960 --> 00:01:12,440

together a skeptic zone but in the last

22

00:01:16,450 --> 00:01:13,970

couple of days I've managed to score

23

00:01:19,090 --> 00:01:16,460

some interviews with that Eugenie Scott

24

00:01:21,969 --> 00:01:19,100

Brian Dunning Briton Hermes and other

25

00:01:24,910 --> 00:01:21,979

people which I'll be playing well pretty

26

00:01:27,370 --> 00:01:24,920

soon it's so good to see so many friends

27

00:01:30,040 --> 00:01:27,380

I've met over the years coming to

28

00:01:32,230 --> 00:01:30,050

conventions and lots of new people as

29

00:01:34,270 --> 00:01:32,240

well and it's nice to have so many

30

00:01:36,700 --> 00:01:34,280

skeptics own listeners come up and say

31

00:01:38,499 --> 00:01:36,710

hello and so the first series of

32

00:01:41,680 --> 00:01:38,509

snippets and interviews coming up very

33

00:01:43,300 --> 00:01:41,690

soon and after that it's an update an

34

00:01:47,590 --> 00:01:43,310

opinion piece from The Sydney Morning

35

00:01:49,480 --> 00:01:47,600

Herald by John Dyer about the move the

36

00:01:51,910 --> 00:01:49,490

government of making in Australia to

37

00:01:54,310 --> 00:01:51,920

remove subsidies from certain forms of

38

00:01:55,180 --> 00:01:54,320

quackery like homeopathy and yes it's

39

00:01:57,219 --> 00:01:55,190

long overdue

40

00:01:59,520 --> 00:01:57,229

then to round off the show another

41

00:02:01,630 --> 00:01:59,530

another in the series of reports for mal

42

00:02:03,309 --> 00:02:01,640

globe-trotting reporter and the

43

00:02:05,590 --> 00:02:03,319

president of strain skeptics are rants

44

00:02:09,760 --> 00:02:05,600

again this week Iran catches up with

45

00:02:11,800 --> 00:02:09,770

Marius who is a believer in exorcism and

46

00:02:14,740 --> 00:02:11,810

you've been hearing over the last few

47

00:02:17,440 --> 00:02:14,750

weeks about the exorcism our

48

00:02:20,380 --> 00:02:17,450

presentation at the European skeptics

49

00:02:21,880 --> 00:02:20,390

Congress about a month ago well this

50

00:02:25,320 --> 00:02:21,890

week you can hear it from the horse's

51
00:02:29,290 --> 00:02:25,330
mouth so to speak and Iran asks why

52
00:02:32,350 --> 00:02:29,300
anyone would believe in exorcism and the

53
00:02:35,910 --> 00:02:32,360
reasons behind that belief so a show on

54
00:02:40,059 --> 00:02:35,920
the run on the road put together as I go

55
00:02:42,490 --> 00:02:40,069
but now it's time for me to open up the

56
00:02:44,920 --> 00:02:42,500
hotel room door walk to the end of the

57
00:02:46,449 --> 00:02:44,930
massively long corridor press the button

58
00:02:49,030 --> 00:02:46,459
for the elevator wait a little while

59
00:02:52,390 --> 00:02:49,040
ding get inside go down to the lobby

60
00:02:56,410 --> 00:02:52,400
walk through the casino floor is that's

61
00:02:58,510 --> 00:02:56,420
the sound go up the escalator turn right

62
00:03:00,280 --> 00:02:58,520
end up in the food court and see what I

63
00:03:01,340 --> 00:03:00,290

can find for breakfast while I do all

64

00:03:03,380 --> 00:03:01,350

that

65

00:03:04,740 --> 00:03:03,390

and come back quickly I hope you enjoy

66

00:03:25,089 --> 00:03:04,750

the skeptic zone

67

00:03:33,050 --> 00:03:28,490

saikhan 2017 the committee for skeptical

68

00:03:35,140 --> 00:03:33,060

inquiry conference or convention this

69

00:03:38,870 --> 00:03:35,150

year is being held at the Excalibur

70

00:03:40,610 --> 00:03:38,880

casino in Las Vegas very well attended

71

00:03:43,850 --> 00:03:40,620

with hundreds and hundreds of people

72

00:03:48,080 --> 00:03:43,860

here skeptics of all shapes and sizes

73

00:03:50,509 --> 00:03:48,090

and ages and walks of life coming up is

74

00:03:52,699 --> 00:03:50,519

a short clip from our good friend George

75

00:03:55,190 --> 00:03:52,709

Rob from the geologic podcast who is the

76
00:03:58,160 --> 00:03:55,200
emcee he opened proceedings with a great

77
00:03:59,990 --> 00:03:58,170
little song followed by me wandering

78
00:04:03,150 --> 00:04:00,000
around the halls interviewing people

79
00:04:19,019 --> 00:04:03,160
ending up sitting beside Britt Hermes

80
00:04:30,100 --> 00:04:27,730
[Music]

81
00:04:36,410 --> 00:04:30,110
[Applause]

82
00:04:36,420 --> 00:04:49,870
[Music]

83
00:04:49,880 --> 00:04:59,040
[Applause]

84
00:05:04,480 --> 00:05:01,630
well it's in the morning the first

85
00:05:07,330 --> 00:05:04,490
morning break here at the saikhan and

86
00:05:09,880 --> 00:05:07,340
who should just walk by me it's the

87
00:05:12,760 --> 00:05:09,890
genie Scott hi TV hi there how are you

88
00:05:14,530 --> 00:05:12,770

um well it's busy here isn't it yeah I

89

00:05:16,450 --> 00:05:14,540

was going to ask Barry what the

90

00:05:18,460 --> 00:05:16,460

registration was I have a feeling it's

91

00:05:20,890 --> 00:05:18,470

higher than last year it looks like a

92

00:05:22,510 --> 00:05:20,900

lot more people in the audience when I

93

00:05:23,950 --> 00:05:22,520

was just in the big auditorium now for

94

00:05:25,390 --> 00:05:23,960

the morning session it was packed out

95

00:05:27,670 --> 00:05:25,400

there was hundreds and hundreds of

96

00:05:29,590 --> 00:05:27,680

people yeah it's um it's a good turnout

97

00:05:32,950 --> 00:05:29,600

and the morning session was great those

98

00:05:34,510 --> 00:05:32,960

are three really good speakers right I'm

99

00:05:36,580 --> 00:05:34,520

kicking off through the Richard Wiseman

100

00:05:38,230 --> 00:05:36,590

which is always a good idea yeah you

101
00:05:40,030 --> 00:05:38,240
pretty much can't go wrong with him as a

102
00:05:43,230 --> 00:05:40,040
kickoff I mean he's he'll he'll get on

103
00:05:45,850 --> 00:05:43,240
first base as we'd say in the United

104
00:05:50,140 --> 00:05:45,860
it's wonderful to be back with so many

105
00:05:51,760 --> 00:05:50,150
old friends and new friends and I really

106
00:05:53,710 --> 00:05:51,770
did enjoy the first session I mean it

107
00:05:57,640 --> 00:05:53,720
they really got off to a flying start

108
00:06:00,520 --> 00:05:57,650
and I think up next is David Gorski if

109
00:06:02,620 --> 00:06:00,530
I'm not mistaken or even big Hermes I

110
00:06:05,500 --> 00:06:02,630
don't have to look at the program but I

111
00:06:07,450 --> 00:06:05,510
think you're right and again that's

112
00:06:10,600 --> 00:06:07,460
that's not going to be too painful to

113
00:06:13,210 --> 00:06:10,610

listen to it'll be fine and you're what

114

00:06:14,980 --> 00:06:13,220

are you on oh not until tomorrow so

115

00:06:17,950 --> 00:06:14,990

today's the day I can just kick back and

116

00:06:20,380 --> 00:06:17,960

enjoy the fun and intellectual

117

00:06:22,840 --> 00:06:20,390

stimulation as it were and you seem to

118

00:06:24,880 --> 00:06:22,850

be a walking endorsement of my little

119

00:06:27,030 --> 00:06:24,890

origamis I just noticed you're wearing

120

00:06:29,890 --> 00:06:27,040

an origami biggest as he rings

121

00:06:31,960 --> 00:06:29,900

absolutely I never leave home without it

122

00:06:34,020 --> 00:06:31,970

assuming I'm wearing something in pink

123

00:06:35,700 --> 00:06:34,030

because that's the color of these

124

00:06:38,220 --> 00:06:35,710

no yeah there there really a lot of fun

125

00:06:42,330 --> 00:06:38,230

thanks TV I've been talking to you see

126

00:06:43,980 --> 00:06:42,340

you later and oh here's an editor now

127

00:06:46,350 --> 00:06:43,990

from our guerrilla skepticism on

128

00:06:48,090 --> 00:06:46,360

Wikipedia and in fact this is somebody

129

00:06:50,660 --> 00:06:48,100

you've heard on the skeptics and who do

130

00:06:53,610 --> 00:06:50,670

we have here hi it's Rob Palmer and

131

00:06:54,990 --> 00:06:53,620

people might know your voice from one of

132

00:06:55,770 --> 00:06:55,000

the guerrilla skepticism about

133

00:07:01,290 --> 00:06:55,780

promotions

134

00:07:03,030 --> 00:07:01,300

it never ends that's it and we just saw

135

00:07:04,760 --> 00:07:03,040

Susan Goodman give a talk in there about

136

00:07:07,050 --> 00:07:04,770

the whole guerrilla skepticism

137

00:07:10,350 --> 00:07:07,060

concentrating on a psychic that I'm not

138

00:07:12,600 --> 00:07:10,360

too familiar with called Tyler Henry he

139

00:07:15,030 --> 00:07:12,610

is the Hollywood medium he's a fuzzy

140

00:07:17,360 --> 00:07:15,040

sweater psychic that's the new name

141

00:07:19,440 --> 00:07:17,370

they're not they're old-growth type of

142

00:07:21,120 --> 00:07:19,450

psychics they're they're like the boy in

143

00:07:23,340 --> 00:07:21,130

the girl next door also another one is

144

00:07:25,980 --> 00:07:23,350

Monica the medium they find these people

145

00:07:27,870 --> 00:07:25,990

that are barely 20 years old who claim

146

00:07:29,110 --> 00:07:27,880

to have psychic powers that can talk to

147

00:07:31,870 --> 00:07:29,120

dead people

148

00:07:34,720 --> 00:07:31,880

and yeah so what was your role in his

149

00:07:36,550 --> 00:07:34,730

Wikipedia page well we found out he was

150

00:07:39,070 --> 00:07:36,560

going into the third season on the E

151
00:07:41,650 --> 00:07:39,080
network and his page was spiking again

152
00:07:44,140 --> 00:07:41,660
and the Wikipedia page had no criticism

153
00:07:46,420 --> 00:07:44,150
at all she came and stumbled across this

154
00:07:49,960 --> 00:07:46,430
page you would just think he could

155
00:07:52,900 --> 00:07:49,970
really talk to dead people so what we

156
00:07:54,670 --> 00:07:52,910
did after Susan cajoled some people in

157
00:07:57,430 --> 00:07:54,680
the scientific and skeptical movement

158
00:07:59,530 --> 00:07:57,440
were notable to write criticisms and

159
00:08:01,719 --> 00:07:59,540
publish them online I was then able to

160
00:08:03,790 --> 00:08:01,729
take those and put them on Tyler Henry's

161
00:08:05,320 --> 00:08:03,800
page now if you stumble on Tyler Henry's

162
00:08:06,820 --> 00:08:05,330
page or someone says hey go look at this

163
00:08:08,500 --> 00:08:06,830

this guy can talk to dead people

164

00:08:09,670 --> 00:08:08,510

there's probably no way you can leave

165

00:08:11,590 --> 00:08:09,680

that page and think he really talks to

166

00:08:13,030 --> 00:08:11,600

dead people I just you know just a

167

00:08:15,850 --> 00:08:13,040

moment ago I had a quick look at the

168

00:08:19,150 --> 00:08:15,860

page out of curiosity and the skeptical

169

00:08:20,590 --> 00:08:19,160

content is quite prominent yes we did we

170

00:08:22,210 --> 00:08:20,600

did a good job and we had a little bit

171

00:08:25,060 --> 00:08:22,220

of pushback this is a little bit

172

00:08:26,590 --> 00:08:25,070

interesting people came and fought us

173

00:08:28,570 --> 00:08:26,600

tried to take the criticisms off

174

00:08:31,260 --> 00:08:28,580

obviously Friends of Tyler maybe Tyler

175

00:08:33,339 --> 00:08:31,270

himself the most interesting one was a

176

00:08:35,079 --> 00:08:33,349

person who logged in and made a new

177

00:08:37,149 --> 00:08:35,089

Wikipedia account where the day before

178

00:08:39,310 --> 00:08:37,159

had never touched the Wikipedia with

179

00:08:43,949 --> 00:08:39,320

this account before and the username and

180

00:08:48,490 --> 00:08:46,480

I didn't even have to do anything other

181

00:08:50,680 --> 00:08:48,500

editors who know the rules of Wikipedia

182

00:08:53,199 --> 00:08:50,690

knew this was not an unbiased opinion

183

00:08:54,610 --> 00:08:53,209

and they took everything this person

184

00:08:55,620 --> 00:08:54,620

took off the page and put the criticism

185

00:08:57,030 --> 00:08:55,630

back

186

00:09:01,259 --> 00:08:57,040

that's the way it's supposed to work

187

00:09:05,600 --> 00:09:01,269

it's as you say it is never ending it's

188

00:09:11,850 --> 00:09:08,430

Susan always says she encourages people

189

00:09:13,319 --> 00:09:11,860

out there to join join the cause joined

190

00:09:16,079 --> 00:09:13,329

guerrillas kept and you're even wearing

191

00:09:20,040 --> 00:09:16,089

oh I just noticing now you got the

192

00:09:21,960 --> 00:09:20,050

guerrillas skeptics should and cap at my

193

00:09:24,749 --> 00:09:21,970

own expense but I was coming to psych on

194

00:09:26,160 --> 00:09:24,759

I had to go all out we're great to see

195

00:09:27,749 --> 00:09:26,170

you here and I hope you enjoy the rest

196

00:09:34,280 --> 00:09:27,759

of the convention thank you very much

197

00:09:36,720 --> 00:09:34,290

Richard Brian Dunning from skeptoid comm

198

00:09:47,939 --> 00:09:36,730

now I've had a chance to view your

199

00:09:48,990 --> 00:09:47,949

latest home movie curiosity well

200

00:09:51,410 --> 00:09:49,000

congratulations

201
00:09:54,059 --> 00:09:51,420
thank you very much stupendous

202
00:09:55,920 --> 00:09:54,069
beautifully shot I mean the contents

203
00:09:57,360 --> 00:09:55,930
rubbish but it's cinematically and

204
00:09:59,129 --> 00:09:57,370
musically it's brilliant

205
00:10:00,509 --> 00:09:59,139
I agree our director of photography will

206
00:10:03,780 --> 00:10:00,519
be very glad to hear that his name is

207
00:10:06,420 --> 00:10:03,790
Matt for it's known online in higher ed

208
00:10:09,030 --> 00:10:06,430
I enjoyed it immensely how's how's that

209
00:10:12,150 --> 00:10:09,040
being received it's being received

210
00:10:14,040 --> 00:10:12,160
exactly as we had hoped it would the the

211
00:10:16,290 --> 00:10:14,050
kind of the post-production marketing

212
00:10:18,389 --> 00:10:16,300
plan has been to take it to teaching

213
00:10:20,129 --> 00:10:18,399

organizations so the National Science

214

00:10:21,990 --> 00:10:20,139

Teachers Association and many other

215

00:10:25,230 --> 00:10:22,000

groups like that we're kind of getting

216

00:10:26,610 --> 00:10:25,240

it into all of their indexes of freely

217

00:10:28,139 --> 00:10:26,620

available teaching materials that

218

00:10:29,490 --> 00:10:28,149

teachers actually go to when they want

219

00:10:32,670 --> 00:10:29,500

stuff they need units they need

220

00:10:34,319 --> 00:10:32,680

materials for their classes principles

221

00:10:36,449 --> 00:10:34,329

of curiosity is there out there for them

222

00:10:38,249 --> 00:10:36,459

so although it's not something you're

223

00:10:40,379 --> 00:10:38,259

likely to find on the street or in your

224

00:10:42,150 --> 00:10:40,389

local video store it's where we think

225

00:10:42,780 --> 00:10:42,160

it's most important to be which is in

226

00:10:46,620 --> 00:10:42,790

classrooms

227

00:10:48,990 --> 00:10:46,630

yeah well take a step back it's the most

228

00:10:51,269 --> 00:10:49,000

importantly its online it is online

229

00:10:53,519 --> 00:10:51,279

certainly yeah principles of curiosity

230

00:10:55,019 --> 00:10:53,529

calm has the link to the YouTube video

231

00:10:56,670 --> 00:10:55,029

and it's there free on YouTube for

232

00:10:58,800 --> 00:10:56,680

everyone to see and how many years has

233

00:11:00,569 --> 00:10:58,810

it been since you did the the Dragons

234

00:11:03,090 --> 00:11:00,579

won the hey be dragons their dragons hey

235

00:11:05,280 --> 00:11:03,100

Vijay here be dragons you're not the

236

00:11:09,210 --> 00:11:05,290

first to call it that as that was back

237

00:11:11,790 --> 00:11:09,220

in 2008 and you know here be dragons is

238

00:11:13,740 --> 00:11:11,800

something that I did with myself and a

239

00:11:15,750 --> 00:11:13,750

video camera that I bought for the

240

00:11:18,030 --> 00:11:15,760

purpose in your family right yeah

241

00:11:20,280 --> 00:11:18,040

sometimes I would have one of my one of

242

00:11:22,049 --> 00:11:20,290

my kids or Lisa my wife would be setting

243

00:11:23,730 --> 00:11:22,059

up the camera on the tripod for me

244

00:11:26,340 --> 00:11:23,740

although most the time I did it myself

245

00:11:28,530 --> 00:11:26,350

but yeah and and the quality shows it

246

00:11:30,720 --> 00:11:28,540

was it was definitely had limited

247

00:11:33,650 --> 00:11:30,730

production value but it holds up well

248

00:11:36,780 --> 00:11:33,660

because I think the content was good and

249

00:11:37,889 --> 00:11:36,790

so four principles of curiosity I wanted

250

00:11:40,290 --> 00:11:37,899

to have the same good high quality

251
00:11:42,059 --> 00:11:40,300
content but with modern production

252
00:11:43,620 --> 00:11:42,069
values and that's exactly what we were

253
00:11:48,240 --> 00:11:43,630
able to achieve I'm super super proud of

254
00:11:51,569 --> 00:11:48,250
it and the the wonderful music by Lisa

255
00:11:55,379 --> 00:11:51,579
and is across Lea Sanders has scored

256
00:11:58,319 --> 00:11:55,389
most of my projects he is just a an

257
00:12:00,120 --> 00:11:58,329
amazingly skilled composer it's funny

258
00:12:02,549 --> 00:12:00,130
being in his in his music studio he's

259
00:12:03,990 --> 00:12:02,559
got this whole giant shelf full of BMI

260
00:12:05,220 --> 00:12:04,000
Music Awards because he works

261
00:12:08,639 --> 00:12:05,230
professionally in Hollywood most the

262
00:12:10,499 --> 00:12:08,649
times and he just adds so much to to our

263
00:12:12,840 --> 00:12:10,509

films it's funny it's going and seeing

264

00:12:17,460 --> 00:12:12,850

principles of curiosity and people will

265

00:12:19,439 --> 00:12:17,470

comment on the music that's just a

266

00:12:24,199 --> 00:12:19,449

testament to it's gonna have something

267

00:12:26,449 --> 00:12:24,209

going for it so again wakin people and

268

00:12:30,210 --> 00:12:26,459

specifically educators view that

269

00:12:31,799 --> 00:12:30,220

principles of curiosity calm that's the

270

00:12:33,600 --> 00:12:31,809

place to see the film and to download

271

00:12:37,199 --> 00:12:33,610

the free teaching materials Thank You

272

00:12:39,319 --> 00:12:37,209

Ryan thank you great homies I'm

273

00:12:42,269 --> 00:12:39,329

delighted to catch up with you here in

274

00:12:43,620 --> 00:12:42,279

Las Vegas I saw you in New York I saw

275

00:12:47,549 --> 00:12:43,630

your talk in New York which is fantastic

276

00:12:50,579 --> 00:12:47,559

and I know that you bumped into a Rance

277

00:12:53,100 --> 00:12:50,589

again not so long ago in Poland was that

278

00:12:55,019 --> 00:12:53,110

no I saw him last year in Manchester at

279

00:12:56,329 --> 00:12:55,029

Kiwi named Chester QED

280

00:12:58,460 --> 00:12:56,339

I didn't make it to pollen done for it

281

00:13:00,980 --> 00:12:58,470

I'm getting all these these conferences

282

00:13:02,629 --> 00:13:00,990

mixed up but the exciting news are is

283

00:13:06,860 --> 00:13:02,639

not only that you're here speaking I

284

00:13:09,259 --> 00:13:06,870

just saw your talk this morning and it

285

00:13:11,030 --> 00:13:09,269

was brilliant all over again the

286

00:13:13,129 --> 00:13:11,040

exciting news for our Australian

287

00:13:15,530 --> 00:13:13,139

listeners is you'll be very shortly

288

00:13:17,869 --> 00:13:15,540

jetting off to Sydney to take part in

289

00:13:19,879 --> 00:13:17,879

our convention in Australia I hope

290

00:13:22,879 --> 00:13:19,889

you're feeling excited about that yeah

291

00:13:26,449 --> 00:13:22,889

absolutely feeling excited and what what

292

00:13:29,720 --> 00:13:26,459

not to give it away no spoilers folks

293

00:13:32,389 --> 00:13:29,730

but what can people expect great so I'll

294

00:13:34,519 --> 00:13:32,399

be covering a little bit more

295

00:13:36,739 --> 00:13:34,529

biographical information so why I got

296

00:13:38,150 --> 00:13:36,749

into naturopathy in the first place what

297

00:13:41,600 --> 00:13:38,160

was going on in my life that sort of

298

00:13:43,819 --> 00:13:41,610

primed me into believing these false

299

00:13:45,799 --> 00:13:43,829

claims that many naturopaths and the

300

00:13:48,559 --> 00:13:45,809

alternative medicine industry puts out a

301
00:13:50,949 --> 00:13:48,569
little bit of my time as a naturopathic

302
00:13:56,389 --> 00:13:50,959
doctor and then why I left the field

303
00:13:59,869 --> 00:13:56,399
that's that's a bit more what should I

304
00:14:01,460 --> 00:13:59,879
say there's a bit more time covered in

305
00:14:04,040 --> 00:14:01,470
your personal life than what I just saw

306
00:14:06,350 --> 00:14:04,050
in your talk here but that that's an

307
00:14:08,629 --> 00:14:06,360
interesting angle your motivations I

308
00:14:10,249 --> 00:14:08,639
suppose basically a lot of people get

309
00:14:12,259 --> 00:14:10,259
into into it because they want to do

310
00:14:15,379 --> 00:14:12,269
good right yeah definitely want to do

311
00:14:17,960 --> 00:14:15,389
good and well there was a few factors

312
00:14:20,059 --> 00:14:17,970
going on I mean I initially got into it

313
00:14:21,619 --> 00:14:20,069

because I was afraid of medicine I was

314

00:14:24,110 --> 00:14:21,629

afraid of being too sick you know I

315

00:14:26,749 --> 00:14:24,120

bought into the idea that doctors don't

316

00:14:29,480 --> 00:14:26,759

treat you they just give you disease

317

00:14:31,280 --> 00:14:29,490

suppressing drugs and then I decided to

318

00:14:32,989 --> 00:14:31,290

become a naturopath myself because I had

319

00:14:34,129 --> 00:14:32,999

these experiences where I thought I got

320

00:14:37,970 --> 00:14:34,139

better because of natural medicine

321

00:14:39,949 --> 00:14:37,980

remedies and I wanted to yeah share the

322

00:14:42,619 --> 00:14:39,959

good news do yes

323

00:14:44,509 --> 00:14:42,629

via do-gooder and and preach and so I

324

00:14:46,790 --> 00:14:44,519

really went into this thinking that I

325

00:14:50,749 --> 00:14:46,800

was going to change the face of medicine

326

00:14:53,619 --> 00:14:50,759

through naturopathy again and out of the

327

00:14:55,790 --> 00:14:53,629

purest of motivations and I think that's

328

00:14:59,000 --> 00:14:55,800

one of the things a lot of the media

329

00:15:00,800 --> 00:14:59,010

find difficult when we come along

330

00:15:03,110 --> 00:15:00,810

and tell them that a lot of the people

331

00:15:05,180 --> 00:15:03,120

we deal with be they psychics or people

332

00:15:07,690 --> 00:15:05,190

in leaving alternative medicine a

333

00:15:10,160 --> 00:15:07,700

largely doing it from a well-meaning

334

00:15:12,230 --> 00:15:10,170

point of view and then not out the scam

335

00:15:15,439 --> 00:15:12,240

and con yeah I think that's true

336

00:15:18,019 --> 00:15:15,449

especially of naturopaths is they don't

337

00:15:20,449 --> 00:15:18,029

know what they don't know and like you

338

00:15:21,110 --> 00:15:20,459

heard a little bit in my my talk just

339

00:15:26,150 --> 00:15:21,120

now

340

00:15:28,670 --> 00:15:26,160

receiving a medical education so when we

341

00:15:31,009 --> 00:15:28,680

are out talking to patients or lobbying

342

00:15:33,350 --> 00:15:31,019

which not trust do a lot of and insane

343

00:15:35,300 --> 00:15:33,360

things like we attend medical school we

344

00:15:38,269 --> 00:15:35,310

attend we take all the same classes as a

345

00:15:41,870 --> 00:15:38,279

medical doctor plus we learned plus

346

00:15:43,730 --> 00:15:41,880

right it's med school class and not

347

00:15:45,800 --> 00:15:43,740

surprised aren't not about the students

348

00:15:48,350 --> 00:15:45,810

aren't saying this to deceive anyone

349

00:15:49,819 --> 00:15:48,360

they're saying it because that's what

350

00:15:51,370 --> 00:15:49,829

they're told they're really eating the

351

00:15:54,079 --> 00:15:51,380

rhetoric you know we really believe it

352

00:15:55,189 --> 00:15:54,089

and if you're in that situation and

353

00:15:56,269 --> 00:15:55,199

you're paying your money and you're

354

00:15:57,829 --> 00:15:56,279

going through a course and there are

355

00:16:01,040 --> 00:15:57,839

other students and there's somebody up

356

00:16:03,620 --> 00:16:01,050

the top I could see why you would

357

00:16:05,600 --> 00:16:03,630

perceive that as being reality I guess

358

00:16:08,000 --> 00:16:05,610

that's right there's a lot of motivated

359

00:16:10,040 --> 00:16:08,010

reasoning you're investing a lot of time

360

00:16:12,110 --> 00:16:10,050

it's a four-year degree and you're

361

00:16:14,240 --> 00:16:12,120

investing a lot of money so my school

362

00:16:16,670 --> 00:16:14,250

program matbus steer was about forty

363

00:16:21,380 --> 00:16:16,680

five thousand dollars a year so that's a

364

00:16:23,689 --> 00:16:21,390

lot of good reason to believe in what

365

00:16:25,130 --> 00:16:23,699

I'm doing and to get as many people to

366

00:16:28,490 --> 00:16:25,140

believe in what I'm doing as well oh

367

00:16:30,620 --> 00:16:28,500

yeah absolutely and and what did that

368

00:16:33,019 --> 00:16:30,630

demand of your time in that year how

369

00:16:35,689 --> 00:16:33,029

often were you in there studying or

370

00:16:38,660 --> 00:16:35,699

doing the courses I worked really hard I

371

00:16:41,509 --> 00:16:38,670

I worked really hard and it was I

372

00:16:44,750 --> 00:16:41,519

remember it being challenging because

373

00:16:46,819 --> 00:16:44,760

the course load was heavy because we

374

00:16:49,460 --> 00:16:46,829

were taking some of these basic science

375

00:16:50,960 --> 00:16:49,470

courses I know now these basic science

376

00:16:53,870 --> 00:16:50,970

courses were not at the doctorate level

377

00:16:56,420 --> 00:16:53,880

they're definitely at a lower probably

378

00:16:57,829 --> 00:16:56,430

more undergraduate level okay but in

379

00:16:59,720 --> 00:16:57,839

addition to this coursework we're also

380

00:17:00,040 --> 00:16:59,730

taking all of these alternative medicine

381

00:17:03,009 --> 00:17:00,050

core

382

00:17:04,750 --> 00:17:03,019

so I had a high credit load because I'm

383

00:17:06,549 --> 00:17:04,760

taking homeopathy courses and

384

00:17:08,649 --> 00:17:06,559

hydrotherapy courses and memorizing

385

00:17:10,439 --> 00:17:08,659

herbs and learning about Chinese

386

00:17:13,569 --> 00:17:10,449

medicine and so there's a lot of

387

00:17:15,730 --> 00:17:13,579

esoteric things to remember like when to

388

00:17:17,559 --> 00:17:15,740

give a certain homeopathic remedy when

389

00:17:20,019 --> 00:17:17,569

to give a certain herb which acupuncture

390

00:17:22,179 --> 00:17:20,029

points you should press and when in

391

00:17:24,250 --> 00:17:22,189

addition to learning some biochemistry

392

00:17:26,279 --> 00:17:24,260

information for example or looking at

393

00:17:29,320 --> 00:17:26,289

cells under a slide in histology class

394

00:17:32,289 --> 00:17:29,330

so you had a lot on your plate really

395

00:17:40,120 --> 00:17:32,299

yeah a lot term not only basic science

396

00:17:43,630 --> 00:17:40,130

did all this other stuff I really think

397

00:17:45,130 --> 00:17:43,640

it's an academic challenge I mean even

398

00:17:47,080 --> 00:17:45,140

if he is what you were being taught

399

00:17:49,630 --> 00:17:47,090

wasn't based in reality it's still a lot

400

00:17:52,299 --> 00:17:49,640

to memorize isn't it exactly exactly a

401
00:17:54,399 --> 00:17:52,309
lot of a lot of flashcards and yeah and

402
00:17:57,970 --> 00:17:54,409
you had to pass exams that's right yeah

403
00:17:59,529 --> 00:17:57,980
so we had there's licensing exams and

404
00:18:02,769 --> 00:17:59,539
you're tested on all of this information

405
00:18:04,750 --> 00:18:02,779
so in addition to learning some real

406
00:18:06,639 --> 00:18:04,760
pharmacology information for example and

407
00:18:09,310 --> 00:18:06,649
learning when to give a particular

408
00:18:12,399 --> 00:18:09,320
antibiotic and certain contraindications

409
00:18:15,430 --> 00:18:12,409
for that in the same question that's

410
00:18:17,470 --> 00:18:15,440
tested me on this we're also being given

411
00:18:19,389 --> 00:18:17,480
a question about an herb and possible

412
00:18:21,159 --> 00:18:19,399
interactions with that drug whether or

413
00:18:23,289 --> 00:18:21,169

not it's real you know we don't know

414

00:18:25,899 --> 00:18:23,299

right yeah and then possibly also a

415

00:18:27,639 --> 00:18:25,909

question about which homeopathic remedy

416

00:18:30,100 --> 00:18:27,649

should be considered on top of all this

417

00:18:32,260 --> 00:18:30,110

and whether or not someone should do a

418

00:18:34,659 --> 00:18:32,270

particular hydrotherapy treatment if it

419

00:18:35,649 --> 00:18:34,669

would be make the patient worse or make

420

00:18:37,600 --> 00:18:35,659

the patient better which is all

421

00:18:39,220 --> 00:18:37,610

make-believe in magical anyway but you

422

00:18:41,169 --> 00:18:39,230

know we have these very complex stories

423

00:18:44,169 --> 00:18:41,179

is what I'm trying to say and how to fit

424

00:18:46,779 --> 00:18:44,179

it all in just for my benefit I'm not up

425

00:18:51,100 --> 00:18:46,789

on this one exactly what's the crux of

426

00:18:53,289 --> 00:18:51,110

hydro hydrotherapy hydrotherapy so it's

427

00:18:56,220 --> 00:18:53,299

the use of water therapeutically yeah

428

00:18:59,019 --> 00:18:56,230

and it includes lots of different I

429

00:19:01,899 --> 00:18:59,029

guess techniques so enemas is the

430

00:19:04,370 --> 00:19:01,909

classic one but it also includes laying

431

00:19:08,060 --> 00:19:04,380

hot and cold towels

432

00:19:10,070 --> 00:19:08,070

patience in a variety of ways with or

433

00:19:11,510 --> 00:19:10,080

without electrical stimulation no joke

434

00:19:14,690 --> 00:19:11,520

when we call this constitutional

435

00:19:17,930 --> 00:19:14,700

hydrotherapy it also includes ice cold

436

00:19:21,650 --> 00:19:17,940

baths or hot baths or hot baths with

437

00:19:24,140 --> 00:19:21,660

therapeutic mud peat moss in it yeah so

438

00:19:26,090 --> 00:19:24,150

far it's not sounding too bad I mean you

439

00:19:28,610 --> 00:19:26,100

live in Germany I used to live in

440

00:19:30,260 --> 00:19:28,620

Germany you've undoubtedly gone along to

441

00:19:32,840 --> 00:19:30,270

the the saunas and the hot tubs in there

442

00:19:36,080 --> 00:19:32,850

and I used to enjoy that no it certainly

443

00:19:41,990 --> 00:19:36,090

feels good but it's not going to it's

444

00:19:44,300 --> 00:19:42,000

not going to cure HIV I miss those days

445

00:19:46,910 --> 00:19:44,310

because I used to remember the very

446

00:19:50,570 --> 00:19:46,920

first time after the sauna I went into

447

00:19:53,930 --> 00:19:50,580

the ice the little ice cool yeah and I I

448

00:19:57,010 --> 00:19:53,940

thought what am i doing but when I got

449

00:20:01,340 --> 00:19:57,020

in I could stand it from for you know a

450

00:20:03,050 --> 00:20:01,350

decent length of time before it became

451
00:20:04,460 --> 00:20:03,060
unbearable but it's quite an experience

452
00:20:07,850 --> 00:20:04,470
if you haven't done it folks

453
00:20:10,220 --> 00:20:07,860
I can recommend yeah it's it's it's fun

454
00:20:12,320 --> 00:20:10,230
socially - I have to admit the problem

455
00:20:14,960 --> 00:20:12,330
is is that natural paths integrate these

456
00:20:19,220 --> 00:20:14,970
types of therapies into the treatment

457
00:20:20,720 --> 00:20:19,230
for very serious diseases so for example

458
00:20:22,850 --> 00:20:20,730
when I was in school at bestir the

459
00:20:25,130 --> 00:20:22,860
teaching clinic there integrated these

460
00:20:28,790 --> 00:20:25,140
hydrotherapy treatments in for patients

461
00:20:31,250 --> 00:20:28,800
with HIV and AIDS as a way to boost this

462
00:20:33,170 --> 00:20:31,260
person's okay immune system just to make

463
00:20:35,180 --> 00:20:33,180

them comfortable just to actually do

464

00:20:36,830 --> 00:20:35,190

something yeah - actually they thought

465

00:20:39,710 --> 00:20:36,840

it would somehow increase their t-cell

466

00:20:42,080 --> 00:20:39,720

count or you know increase the immune

467

00:20:44,840 --> 00:20:42,090

system function or reduce opportunistic

468

00:20:46,700 --> 00:20:44,850

infections or I'm not exactly sure what

469

00:20:48,080 --> 00:20:46,710

the the byline is but the point is that

470

00:20:49,640 --> 00:20:48,090

these very sick patients were getting

471

00:20:52,420 --> 00:20:49,650

these treatments for therapeutic

472

00:20:55,250 --> 00:20:52,430

purposes it sounds like salt therapy

473

00:20:56,300 --> 00:20:55,260

yeah yeah I mean there's numerous

474

00:20:59,960 --> 00:20:56,310

examples yeah

475

00:21:01,250 --> 00:20:59,970

and and the problem is of course I mean

476
00:21:02,510 --> 00:21:01,260
there's multiple problems you have sick

477
00:21:05,690 --> 00:21:02,520
patients spending money on useless

478
00:21:07,730 --> 00:21:05,700
treatment you have very sick patients

479
00:21:09,890 --> 00:21:07,740
and investing their time and their

480
00:21:12,200 --> 00:21:09,900
energy perhaps into treatments that

481
00:21:15,830 --> 00:21:12,210
don't work maybe it can make them worse

482
00:21:17,510 --> 00:21:15,840
for example or maybe they think

483
00:21:18,440 --> 00:21:17,520
psychologically or emotionally that

484
00:21:20,480 --> 00:21:18,450
they're getting better and then they

485
00:21:22,880 --> 00:21:20,490
start to go off of their conventional

486
00:21:24,440 --> 00:21:22,890
medications to my interview Dalton and

487
00:21:26,480 --> 00:21:24,450
Mark well that's the story we've heard

488
00:21:29,210 --> 00:21:26,490

many times before folks that's just a

489

00:21:31,130 --> 00:21:29,220

flavor just a taste to whet your

490

00:21:33,290 --> 00:21:31,140

appetite of what you can expect to see

491

00:21:34,970 --> 00:21:33,300

when you come to the the Estonian

492

00:21:38,300 --> 00:21:34,980

skeptics convention in November in

493

00:21:40,100 --> 00:21:38,310

Sydney with one of our feature guests

494

00:21:43,300 --> 00:21:40,110

Britt homies Britt thank you very much

495

00:21:46,940 --> 00:21:43,310

for your time and I look forward to

496

00:21:47,990 --> 00:21:46,950

working with you in a two days and being

497

00:21:49,940 --> 00:21:48,000

on the panel with you in two days

498

00:21:51,200 --> 00:21:49,950

looking forward to that and of course I

499

00:21:53,240 --> 00:21:51,210

look forward to being part of the

500

00:21:53,960 --> 00:21:53,250

welcoming committee when you arrive in

501
00:22:01,040 --> 00:21:53,970
Sydney

502
00:22:02,840 --> 00:22:01,050
thank you so much coming up over the

503
00:22:06,800 --> 00:22:02,850
next few weeks more in the series of

504
00:22:12,280 --> 00:22:06,810
interviews from psych on 2017 from Las

505
00:22:12,290 --> 00:22:29,260
[Music]

506
00:22:33,680 --> 00:22:31,640
astronomy cast it takes a facts based

507
00:22:35,390 --> 00:22:33,690
journey through the cosmos as it offers

508
00:22:38,090 --> 00:22:35,400
listeners weekly discussions on

509
00:22:40,940 --> 00:22:38,100
astronomical topics ranging from planets

510
00:22:43,430 --> 00:22:40,950
to cosmology hosted by Fraser Cain of

511
00:22:44,930 --> 00:22:43,440
Universe Today and myself dr. Pamela Gay

512
00:22:46,970 --> 00:22:44,940
of Southern Illinois University

513
00:22:48,830 --> 00:22:46,980

Edwardsville this show brings the

514

00:22:51,290 --> 00:22:48,840

questions of an avid astronomy lover

515

00:22:53,390 --> 00:22:51,300

directly to an astronomer together

516

00:22:54,920 --> 00:22:53,400

Fraser and I explore what is known and

517

00:22:57,680 --> 00:22:54,930

being discovered about the universe

518

00:22:59,510 --> 00:22:57,690

around us join us each week as we take a

519

00:23:20,750 --> 00:22:59,520

facts based journey through the cosmos

520

00:23:23,150 --> 00:23:20,760

at astronomy cast calm now last week we

521

00:23:25,730 --> 00:23:23,160

brought you the story of how the federal

522

00:23:28,760 --> 00:23:25,740

government in Australia is cracking down

523

00:23:30,800 --> 00:23:28,770

on subsidies to rebates for private

524

00:23:33,590 --> 00:23:30,810

health when it comes to various

525

00:23:37,880 --> 00:23:33,600

alternative therapies you might call

526
00:23:39,740 --> 00:23:37,890
quackery and this update or this opinion

527
00:23:42,050 --> 00:23:39,750
piece a comment comes to us via The

528
00:23:45,440 --> 00:23:42,060
Sydney Morning Herald s MH dot-com today

529
00:23:48,500 --> 00:23:45,450
you written on October the 21st by John

530
00:23:52,520 --> 00:23:48,510
Dwyer Australian patients vulnerable to

531
00:23:55,340 --> 00:23:52,530
quacks we live in the most scientific of

532
00:23:56,780 --> 00:23:55,350
ages where it is more than reasonable to

533
00:23:59,120 --> 00:23:56,790
expect that modern health care

534
00:24:01,550 --> 00:23:59,130
strategies will be underpinned by

535
00:24:05,330 --> 00:24:01,560
credible scientific evidence for their

536
00:24:08,360 --> 00:24:05,340
clinical effectiveness however we find

537
00:24:11,270 --> 00:24:08,370
flourishing pseudo scientific concepts

538
00:24:13,730 --> 00:24:11,280

and practices that are an affront to our

539

00:24:18,050 --> 00:24:13,740

detailed knowledge of how our bodies

540

00:24:20,330 --> 00:24:18,060

function in health and disease there are

541

00:24:21,500 --> 00:24:20,340

no connections between parts of the iris

542

00:24:24,770 --> 00:24:21,510

of one's eye

543

00:24:27,350 --> 00:24:24,780

and other organs iridology nor

544

00:24:30,970 --> 00:24:27,360

anatomical areas of the soles of our

545

00:24:34,060 --> 00:24:30,980

feet with such connections reflexology

546

00:24:36,860 --> 00:24:34,070

nor energy fields singling ill health

547

00:24:39,470 --> 00:24:36,870

radiating from our bodies and subject to

548

00:24:42,230 --> 00:24:39,480

correction by quote healing touch and

549

00:24:44,300 --> 00:24:42,240

quote therapists it was encouraging

550

00:24:47,090 --> 00:24:44,310

therefore to learn last week that

551
00:24:49,910 --> 00:24:47,100
Minister Greg Hunt had reversed a poor

552
00:24:51,590 --> 00:24:49,920
decision by his predecessor and accepted

553
00:24:53,570 --> 00:24:51,600
the findings of our National Health and

554
00:24:56,060 --> 00:24:53,580
Medical Research Council that there is

555
00:24:59,090 --> 00:24:56,070
no evidence to support the efficacy of

556
00:25:01,340 --> 00:24:59,100
any of these 17 most popular quote

557
00:25:02,750 --> 00:25:01,350
alternative end quote therapies the

558
00:25:04,880 --> 00:25:02,760
provision of these ineffective

559
00:25:07,940 --> 00:25:04,890
approaches will no longer be subsidized

560
00:25:10,250 --> 00:25:07,950
by taxpayers dollars via the subsidy to

561
00:25:12,740 --> 00:25:10,260
private health insurers that covers such

562
00:25:15,650 --> 00:25:12,750
services unfortunately this is only

563
00:25:19,220 --> 00:25:15,660

tackling the tip of the health fraud

564

00:25:20,990 --> 00:25:19,230

iceberg take for example the problems

565

00:25:23,240 --> 00:25:21,000

the Australian health practitioner

566

00:25:25,820 --> 00:25:23,250

regulatory agency has in protecting

567

00:25:28,670 --> 00:25:25,830

consumers from the fraudulent activities

568

00:25:31,550 --> 00:25:28,680

of many chiropractors who were recently

569

00:25:33,560 --> 00:25:31,560

added to the AHPRA family along with

570

00:25:37,250 --> 00:25:33,570

osteopaths and traditional Chinese

571

00:25:39,350 --> 00:25:37,260

medicine practitioners TCM with the

572

00:25:41,300 --> 00:25:39,360

respectability associated with

573

00:25:43,910 --> 00:25:41,310

registration many chiropractors set

574

00:25:46,010 --> 00:25:43,920

about becoming providers of treatments

575

00:25:47,810 --> 00:25:46,020

for a wide range of conditions far

576

00:25:50,630 --> 00:25:47,820

beyond the remit of traditional

577

00:25:52,670 --> 00:25:50,640

chiropractic there is a soft evidence

578

00:25:55,280 --> 00:25:52,680

base for chiropractic treatment of

579

00:25:57,710 --> 00:25:55,290

musculoskeletal problems with backs and

580

00:26:00,590 --> 00:25:57,720

necks but none for the extended role

581

00:26:02,090 --> 00:26:00,600

many have pursued chiropractic websites

582

00:26:05,090 --> 00:26:02,100

have been advertising claims for

583

00:26:08,210 --> 00:26:05,100

chiropractic management for more than 60

584

00:26:10,970 --> 00:26:08,220

non musculoskeletal conditions these

585

00:26:13,700 --> 00:26:10,980

include autism asthma developmental

586

00:26:15,830 --> 00:26:13,710

disorders colic bedwetting ear

587

00:26:18,530 --> 00:26:15,840

infections allergies and even the

588

00:26:21,170 --> 00:26:18,540

ability to turn a breech baby something

589

00:26:23,690 --> 00:26:21,180

an obstetrician would only attempt in a

590

00:26:25,700 --> 00:26:23,700

hospital setting to justify these claims

591

00:26:28,700 --> 00:26:25,710

they insist that there is running up and

592

00:26:32,390 --> 00:26:28,710

down the spinal column and quote innate

593

00:26:33,830 --> 00:26:32,400

energy in quote invisible the integrity

594

00:26:35,180 --> 00:26:33,840

of which is essential for whole body

595

00:26:38,750 --> 00:26:35,190

health

596

00:26:41,810 --> 00:26:38,760

minor distortions of the spine invisible

597

00:26:45,070 --> 00:26:41,820

on x-ray or MRI which they call quote

598

00:26:47,150 --> 00:26:45,080

subluxation unquote disturb this energy

599

00:26:49,400 --> 00:26:47,160

chiropractors claim that they can often

600

00:26:52,070 --> 00:26:49,410

correct such problems by making small

601
00:26:55,040 --> 00:26:52,080
quote adjustments and quote to the spine

602
00:26:57,260 --> 00:26:55,050
the care of babies children and pregnant

603
00:26:59,360 --> 00:26:57,270
women is targeted with the pseudoscience

604
00:27:02,300 --> 00:26:59,370
one feel sorry for the chiropractors

605
00:27:04,430 --> 00:27:02,310
that stick to evidence-based care the

606
00:27:07,610 --> 00:27:04,440
Friends of Science in medicine has

607
00:27:10,670 --> 00:27:07,620
reported more than 1,200 chiropractors

608
00:27:12,950 --> 00:27:10,680
making such claims to the AHPRA we have

609
00:27:14,660 --> 00:27:12,960
worked with the AHPRA and the

610
00:27:18,260 --> 00:27:14,670
chiropractic Board of Australia to

611
00:27:21,980 --> 00:27:18,270
address this problem recently AHPRA has

612
00:27:24,790 --> 00:27:21,990
been firm more proactive but there is a

613
00:27:27,770 --> 00:27:24,800

major weakness in the regulatory set up

614

00:27:29,630 --> 00:27:27,780

boards Canon do remind practitioners

615

00:27:32,150 --> 00:27:29,640

that all advertising must be quote

616

00:27:34,340 --> 00:27:32,160

evidence-based unquote and under the

617

00:27:35,480 --> 00:27:34,350

national law breaches can involve a

618

00:27:38,180 --> 00:27:35,490

range of penalties

619

00:27:39,890 --> 00:27:38,190

however AHPRA does not have the

620

00:27:42,620 --> 00:27:39,900

authority to limit the scope of practice

621

00:27:45,470 --> 00:27:42,630

of registrants in other words the

622

00:27:48,560 --> 00:27:45,480

regulator can regulate what you say but

623

00:27:50,690 --> 00:27:48,570

what you do would that pass the pub

624

00:27:53,180 --> 00:27:50,700

tests similar problems we've seen our

625

00:27:55,960 --> 00:27:53,190

scientific concepts justifying a broad

626
00:27:59,420 --> 00:27:55,970
range of treatments beset Osteopathy and

627
00:28:00,170 --> 00:27:59,430
TMC many other significant problems need

628
00:28:02,320 --> 00:28:00,180
attention

629
00:28:05,000 --> 00:28:02,330
the therapeutics Goods Administration

630
00:28:06,830 --> 00:28:05,010
responsible for ensuring the safety and

631
00:28:09,950 --> 00:28:06,840
quality of medicines and the medical

632
00:28:12,710 --> 00:28:09,960
devices we use also has a poor record of

633
00:28:15,290 --> 00:28:12,720
consumer protection providers must keep

634
00:28:19,850 --> 00:28:15,300
evidence that supports their claims and

635
00:28:21,950 --> 00:28:19,860
on a random basis audits by the TGA find

636
00:28:24,680 --> 00:28:21,960
that 80% of the time there is no such

637
00:28:27,010 --> 00:28:24,690
evidence the industry is involved of

638
00:28:30,260 --> 00:28:27,020

lobbied government for the sector to

639

00:28:32,240 --> 00:28:30,270

self-regulate and have the process of

640

00:28:35,000 --> 00:28:32,250

vetting advertisements for accuracy

641

00:28:36,680 --> 00:28:35,010

before publication scrapped then there

642

00:28:38,780 --> 00:28:36,690

are the activities of unregistered

643

00:28:40,910 --> 00:28:38,790

health practitioners the fraudulent

644

00:28:43,190 --> 00:28:40,920

activity of too many of my fellow

645

00:28:45,680 --> 00:28:43,200

doctors offering anything but adequate

646

00:28:48,649 --> 00:28:45,690

and evidence-based care of impotence

647

00:28:51,139 --> 00:28:48,659

obesity and hormone deficiency with

648

00:28:52,789 --> 00:28:51,149

some offering useless quote collation

649

00:28:55,519 --> 00:28:52,799

therapy unquote for a range of

650

00:28:57,440 --> 00:28:55,529

conditions that full of discussion would

651
00:28:59,060 --> 00:28:57,450
look at the distressing abandonment of

652
00:29:01,249 --> 00:28:59,070
professionalism in favor of

653
00:29:04,219 --> 00:29:01,259
commercialism by so many of our

654
00:29:06,499 --> 00:29:04,229
pharmacists and the unconscionable false

655
00:29:08,330 --> 00:29:06,509
advertising by major vitamin supplement

656
00:29:10,639 --> 00:29:08,340
manufacturers that have Australians

657
00:29:12,769 --> 00:29:10,649
believing that a daily intake of their

658
00:29:16,009 --> 00:29:12,779
products protects one from an unhealthy

659
00:29:18,889 --> 00:29:16,019
lifestyle adequate consumer protection

660
00:29:21,469 --> 00:29:18,899
should focus on prevention in Australia

661
00:29:24,080 --> 00:29:21,479
yet all too often involves action after

662
00:29:26,089 --> 00:29:24,090
a harmful event Australian consumers are

663
00:29:27,950 --> 00:29:26,099

particularly vulnerable as we have one

664

00:29:31,940 --> 00:29:27,960

of the lowest rates of adequate health

665

00:29:33,739 --> 00:29:31,950

literacy in the OECD only 40 percent of

666

00:29:36,799 --> 00:29:33,749

us have an adequate knowledge of how our

667

00:29:39,379 --> 00:29:36,809

bodies work the relationship between

668

00:29:41,149 --> 00:29:39,389

lifestyle factors and illness and how to

669

00:29:43,759 --> 00:29:41,159

get the most out of the evidence-based

670

00:29:45,919 --> 00:29:43,769

health system knowledge breeds the

671

00:29:48,200 --> 00:29:45,929

informed scepticism that can minimise

672

00:29:49,580 --> 00:29:48,210

harm from health care fraud the single

673

00:29:52,119 --> 00:29:49,590

most obvious problem with our health

674

00:29:57,519 --> 00:29:52,129

system is the failure to adequately

675

00:30:03,830 --> 00:30:01,070

John Dwyer is emeritus professor of

676

00:30:06,409 --> 00:30:03,840

medicine at UNSW and president of

677

00:30:08,779 --> 00:30:06,419

friends of science and medicine and that

678

00:30:10,399 --> 00:30:08,789

a comment piece comes to us from The

679

00:30:14,290 --> 00:30:10,409

Sydney Morning Herald published on the

680

00:30:37,169 --> 00:30:14,300

21st of October s MH comm dot a you

681

00:30:39,629 --> 00:30:37,179

[Music]

682

00:30:41,339 --> 00:30:39,639

the New Zealand skeptics conference me

683

00:30:44,470 --> 00:30:41,349

is happening on the weekend of the 24th

684

00:30:45,919 --> 00:30:44,480

to the 26th of November in Wellington

685

00:30:48,719 --> 00:30:45,929

[Music]

686

00:30:51,719 --> 00:30:48,729

the weekend starts on Friday evening

687

00:30:54,119 --> 00:30:51,729

with a pub quiz all about skepticism and

688

00:30:54,749 --> 00:30:54,129

is open for anybody registered for the

689

00:30:56,369 --> 00:30:54,759

conference

690

00:30:58,169 --> 00:30:56,379

the New Zealand skeptics have a great

691

00:31:00,269 --> 00:30:58,179

lineup for the conference both on

692

00:31:03,419 --> 00:31:00,279

Saturday and Sunday they're especially

693

00:31:04,680 --> 00:31:03,429

excited to have Cara Santa Maria from

694

00:31:07,560 --> 00:31:04,690

the skeptics guide to the universe

695

00:31:10,099 --> 00:31:07,570

podcast and Britt Hermes ex naturopath

696

00:31:13,139 --> 00:31:10,109

who now blogs for science-based medicine

697

00:31:15,299 --> 00:31:13,149

joining them this year from overseas but

698

00:31:19,400 --> 00:31:15,309

they also have some fascinating locals

699

00:31:23,960 --> 00:31:21,560

you can see a list of the current lineup

700

00:31:27,740 --> 00:31:23,970

of speakers by visiting the conference

701
00:31:30,320 --> 00:31:27,750
website conference dot sceptics dot NZ

702
00:31:32,870 --> 00:31:30,330
and tickets are very reasonably priced

703
00:31:35,660 --> 00:31:32,880
and available for the entire weekend or

704
00:31:37,460 --> 00:31:35,670
just one day on Saturday evening the

705
00:31:40,610 --> 00:31:37,470
ends that skeptics are hosting a dinner

706
00:31:42,530 --> 00:31:40,620
separate registration required where you

707
00:31:45,290 --> 00:31:42,540
can chill out with fellow skeptics chat

708
00:31:49,580 --> 00:31:45,300
with the speakers and enjoy some weird

709
00:31:51,410 --> 00:31:49,590
and wonderful entertainment now for that

710
00:31:54,260 --> 00:31:51,420
sounds like fun please head to the

711
00:32:10,430 --> 00:31:54,270
website and book your ticket conference

712
00:32:13,790 --> 00:32:10,440
dot skeptics dot NZ let's all take this

713
00:32:17,770 --> 00:32:13,800

with a grain of salt he's around second

714

00:32:25,790 --> 00:32:22,010

so I'm here with my yoke from Poland and

715

00:32:29,630 --> 00:32:25,800

I ask you to mention your name because I

716

00:32:31,670 --> 00:32:29,640

can't pronounce it - you gave it talk

717

00:32:34,520 --> 00:32:31,680

yesterday and participated in a panel in

718

00:32:38,000 --> 00:32:34,530

a segment of this convention that is

719

00:32:40,850 --> 00:32:38,010

about it was about exorcism you know now

720

00:32:43,490 --> 00:32:40,860

you represented the position that

721

00:32:45,830 --> 00:32:43,500

supports exorcism and believe in demonic

722

00:32:48,230 --> 00:32:45,840

possession do I represent you you're

723

00:32:51,530 --> 00:32:48,240

Asian correctly let's say almost

724

00:32:53,420 --> 00:32:51,540

correctly because what I let's say

725

00:32:55,490 --> 00:32:53,430

represent are the exorcism within the

726

00:32:57,290 --> 00:32:55,500

Catholic Church of course yeah so

727

00:32:59,960 --> 00:32:57,300

because the exorcism can be performed

728

00:33:02,770 --> 00:32:59,970

also in other religions in other forms

729

00:33:05,900 --> 00:33:02,780

so what I can take let's say

730

00:33:07,550 --> 00:33:05,910

responsibility and to some extent

731

00:33:10,670 --> 00:33:07,560

intellectual responsibilities the

732

00:33:13,970 --> 00:33:10,680

exorcism in the Catholic Church okay and

733

00:33:15,380 --> 00:33:13,980

can you maybe try to explain you why

734

00:33:17,180 --> 00:33:15,390

your position I mean you gave a talk

735

00:33:18,860 --> 00:33:17,190

about it yesterday but maybe if you

736

00:33:25,149 --> 00:33:18,870

could summarize the main points from you

737

00:33:29,070 --> 00:33:25,159

talk for our listeners so axial exorcism

738

00:33:32,349 --> 00:33:29,080

has been conducted for centuries or

739

00:33:36,129 --> 00:33:32,359

thousands of years probably so at least

740

00:33:38,649 --> 00:33:36,139

you can you can read about exorcism in

741

00:33:41,739 --> 00:33:38,659

the New Testament that it was conducted

742

00:33:45,729 --> 00:33:41,749

by Jesus Christ and Jesus crisis is God

743

00:33:49,710 --> 00:33:45,739

in Catholicism so and basically the

744

00:33:52,359 --> 00:33:49,720

practice of exorcism is based on the

745

00:33:56,469 --> 00:33:52,369

existence of the devil so this is an

746

00:34:01,629 --> 00:33:56,479

angel evil spiritual intelligent angel

747

00:34:06,129 --> 00:34:01,639

that can torment or in extreme case

748

00:34:09,819 --> 00:34:06,139

possess people and this evil spiritual

749

00:34:12,940 --> 00:34:09,829

being do not does not obey physics law

750

00:34:17,260 --> 00:34:12,950

so you cannot investigate that by means

751
00:34:19,240 --> 00:34:17,270
of experimental science but from this

752
00:34:21,549 --> 00:34:19,250
you cannot conclude it doesn't exist and

753
00:34:25,149 --> 00:34:21,559
in my presentation I have shown that

754
00:34:27,549 --> 00:34:25,159
there are some some strange things that

755
00:34:30,329 --> 00:34:27,559
happens during exorcism that in my

756
00:34:33,029 --> 00:34:30,339
opinion cannot be explained within the

757
00:34:36,010 --> 00:34:33,039
materialistic or let's say atheistic

758
00:34:40,349 --> 00:34:36,020
paradigm like for example the people

759
00:34:44,289 --> 00:34:40,359
that are possessed can speak languages

760
00:34:47,049 --> 00:34:44,299
with the Exorcist that have never

761
00:34:50,740 --> 00:34:47,059
learned or this can be also some ancient

762
00:34:53,919 --> 00:34:50,750
languages this is one of the phenomena

763
00:34:57,160 --> 00:34:53,929

another one can be that there is there

764

00:35:03,880 --> 00:34:57,170

are some materializations for example

765

00:35:09,220 --> 00:35:03,890

that people spit nails or screws or

766

00:35:12,609 --> 00:35:09,230

pieces of glass even some crabs fishes

767

00:35:17,049 --> 00:35:12,619

and stuff like this so it's really

768

00:35:19,269 --> 00:35:17,059

difficult I think to to explain this and

769

00:35:23,319 --> 00:35:19,279

this is not a single case that has had

770

00:35:25,599 --> 00:35:23,329

many cases over the world so it is known

771

00:35:27,849 --> 00:35:25,609

among exorcises and the Catholic Church

772

00:35:31,720 --> 00:35:27,859

that something like this happens also

773

00:35:33,410 --> 00:35:31,730

people that are possessed sometimes have

774

00:35:38,030 --> 00:35:33,420

the ability to

775

00:35:40,100 --> 00:35:38,040

- that they know some secrets of the

776

00:35:42,590 --> 00:35:40,110

person that take part in the exorcism

777

00:35:45,560 --> 00:35:42,600

that is not possible that the person

778

00:35:49,100 --> 00:35:45,570

knows it because it was not possible to

779

00:35:53,120 --> 00:35:49,110

obtain such such knowledge in some cases

780

00:35:56,270 --> 00:35:53,130

some exhaust is also observed levitation

781

00:35:59,540 --> 00:35:56,280

of a person so I do not believe in

782

00:36:02,060 --> 00:35:59,550

paranormal abilities of human being

783

00:36:06,109 --> 00:36:02,070

so my explanation is that it is due to

784

00:36:09,680 --> 00:36:06,119

the intelligent evil spiritual beings

785

00:36:12,500 --> 00:36:09,690

that have a certain power certain power

786

00:36:14,630 --> 00:36:12,510

over the matter or over the human body

787

00:36:17,480 --> 00:36:14,640

and this is the explanation why it is

788

00:36:20,090 --> 00:36:17,490

possible that he can disperse on or

789

00:36:23,420 --> 00:36:20,100

actually this evil being speak this

790

00:36:26,540 --> 00:36:23,430

languages or make this levitation and so

791

00:36:28,100 --> 00:36:26,550

on okay so you actually gave an example

792

00:36:29,450 --> 00:36:28,110

yesterday specifically with regards to

793

00:36:31,490 --> 00:36:29,460

somebody falling off a bridge so you

794

00:36:33,830 --> 00:36:31,500

want you were trying to explain why it

795

00:36:35,359 --> 00:36:33,840

isn't actually breaking of the laws of

796

00:36:38,450 --> 00:36:35,369

physics yes can you give that example

797

00:36:40,849 --> 00:36:38,460

yes because we talked yesterday about

798

00:36:44,480 --> 00:36:40,859

miracles where the miracles are possible

799

00:36:47,840 --> 00:36:44,490

normally we look as scientists and also

800

00:36:53,780 --> 00:36:47,850

as believers for natural causes and this

801
00:36:58,430 --> 00:36:53,790
is in 99% common 999 this is the natural

802
00:37:00,440 --> 00:36:58,440
causes but God created the laws of

803
00:37:04,190 --> 00:37:00,450
physics so he can for some good reason

804
00:37:07,609 --> 00:37:04,200
suspend them and then it can let's say

805
00:37:09,800 --> 00:37:07,619
break the law but it can be like for

806
00:37:12,050 --> 00:37:09,810
example somebody drops from from a

807
00:37:14,510 --> 00:37:12,060
bridge and then you see that it stops

808
00:37:19,010 --> 00:37:14,520
one meter over the bridge so it doesn't

809
00:37:22,310 --> 00:37:19,020
mean that the laws of physics are broken

810
00:37:24,859 --> 00:37:22,320
because it could be like that an angel

811
00:37:27,550 --> 00:37:24,869
just stops this guy's so it means that

812
00:37:30,560 --> 00:37:27,560
another force that is opposite to the

813
00:37:33,410 --> 00:37:30,570

gravity is that is that this higher

814

00:37:34,970 --> 00:37:33,420

stronger so basically what you're saying

815

00:37:35,960 --> 00:37:34,980

is it's not the laws of physics that are

816

00:37:37,460 --> 00:37:35,970

broken it's just something that's

817

00:37:39,200 --> 00:37:37,470

outside of the laws of physics that's

818

00:37:40,700 --> 00:37:39,210

acting that's basically this is one

819

00:37:43,220 --> 00:37:40,710

possibility but not all so it's possible

820

00:37:44,270 --> 00:37:43,230

that that the laws of physics are

821

00:37:45,380 --> 00:37:44,280

suspended

822

00:37:46,970 --> 00:37:45,390

for example there was this example

823

00:37:49,490 --> 00:37:46,980

whether it's possible whether you

824

00:37:51,770 --> 00:37:49,500

believe that Jesus walked on water so

825

00:37:53,930 --> 00:37:51,780

for me this is not the problem because

826

00:37:55,940 --> 00:37:53,940

if he's got then he can walk on guess I

827

00:37:58,190 --> 00:37:55,950

lost Ellie because I grew up right next

828

00:37:59,570 --> 00:37:58,200

to where Jesus supposedly walked on the

829

00:38:01,370 --> 00:37:59,580

water and earlier that Jordan River is

830

00:38:03,440 --> 00:38:01,380

so shallow there that you can just walk

831

00:38:09,730 --> 00:38:03,450

on the water without without your shoes

832

00:38:13,490 --> 00:38:09,740

getting completely wet the you you got

833

00:38:15,110 --> 00:38:13,500

obviously that's not your position is

834

00:38:16,760 --> 00:38:15,120

not the prevailing position in this room

835

00:38:18,770 --> 00:38:16,770

I think you probably knew that that

836

00:38:19,010 --> 00:38:18,780

course yeah that was not a surprise to

837

00:38:23,690 --> 00:38:19,020

you

838

00:38:24,710 --> 00:38:23,700

I'll give some examples of the

839

00:38:28,070 --> 00:38:24,720

objections you got and I was just

840

00:38:31,220 --> 00:38:28,080

wondering if you could respond to them

841

00:38:33,170 --> 00:38:31,230

for for our record so for example one of

842

00:38:37,190 --> 00:38:33,180

the things that we said was that that

843

00:38:40,550 --> 00:38:37,200

people said was that everything can be

844

00:38:42,230 --> 00:38:40,560

tested in some way so the so test you

845

00:38:43,910 --> 00:38:42,240

don't necessarily need to know the

846

00:38:47,030 --> 00:38:43,920

explanation is in order to test that the

847

00:38:50,710 --> 00:38:47,040

explanation is there now the bottom

848

00:38:53,570 --> 00:38:50,720

depth the point is that science science

849

00:38:56,330 --> 00:38:53,580

experimental science has an assumption

850

00:38:57,760 --> 00:38:56,340

and this assumption assumption we know

851
00:39:00,020 --> 00:38:57,770
is something that is not proved

852
00:39:03,140 --> 00:39:00,030
assumption in science and precursor

853
00:39:05,900 --> 00:39:03,150
science is that all the phenomena have

854
00:39:08,410 --> 00:39:05,910
natural causes so if you investigate

855
00:39:11,740 --> 00:39:08,420
something using scientific methods

856
00:39:16,190 --> 00:39:11,750
lasers and so on then you always look

857
00:39:19,910 --> 00:39:16,200
for natural causes and this is this is

858
00:39:23,920 --> 00:39:19,920
also because the tools Wizards tools are

859
00:39:28,430 --> 00:39:23,930
limited to investigate only matter only

860
00:39:30,230 --> 00:39:28,440
material samples whatever this so but it

861
00:39:34,580 --> 00:39:30,240
is possible from so from this you cannot

862
00:39:40,700 --> 00:39:34,590
conclude that non material objects do

863
00:39:44,570 --> 00:39:40,710

not exist okay so if I claim that in

864

00:39:46,850 --> 00:39:44,580

exorcism there is an evil spiritual

865

00:39:49,820 --> 00:39:46,860

being that not obey laws of physics and

866

00:39:52,990 --> 00:39:49,830

is not Material you are not able in

867

00:39:56,510 --> 00:39:53,000

experimental science to investigate it

868

00:39:59,210 --> 00:39:56,520

but you can investigate the effect

869

00:40:02,810 --> 00:39:59,220

that he has on matter is all human

870

00:40:05,630 --> 00:40:02,820

beings so you see this there is

871

00:40:07,220 --> 00:40:05,640

limitations in science due to the

872

00:40:09,380 --> 00:40:07,230

assumption and the research tours okay

873

00:40:10,970 --> 00:40:09,390

so I would like to follow that up with

874

00:40:12,080 --> 00:40:10,980

something I mean yesterday I asked you a

875

00:40:13,730 --> 00:40:12,090

question

876

00:40:15,560 --> 00:40:13,740

you know what I'll ask you again now and

877

00:40:17,360 --> 00:40:15,570

you could respond my question was that I

878

00:40:18,740 --> 00:40:17,370

can think of several lines of evidence

879

00:40:22,160 --> 00:40:18,750

that would lead me to believe that

880

00:40:24,800 --> 00:40:22,170

demonic possession as described in the

881

00:40:26,390 --> 00:40:24,810

movie that we saw yesterday and and as

882

00:40:29,840 --> 00:40:26,400

the Catholic Church generally believes

883

00:40:32,150 --> 00:40:29,850

and an exorcisms work so you know

884

00:40:36,140 --> 00:40:32,160

there's there's a reasonably it is large

885

00:40:37,880 --> 00:40:36,150

but limited set of of evidence or lines

886

00:40:39,770 --> 00:40:37,890

of evidence that would convince me that

887

00:40:42,200 --> 00:40:39,780

it actually is happening and my question

888

00:40:45,290 --> 00:40:42,210

to you was what would make what would

889

00:40:48,350 --> 00:40:45,300

convince you that it doesn't exist that

890

00:40:52,760 --> 00:40:48,360

it doesn't work this is actually the

891

00:40:56,060 --> 00:40:52,770

difficult because then because of the

892

00:40:59,510 --> 00:40:56,070

limitation of scientific methods yes I

893

00:41:01,790 --> 00:40:59,520

specifically corrected myself utterly

894

00:41:03,580 --> 00:41:01,800

you said that yesterday we're repeating

895

00:41:07,190 --> 00:41:03,590

what happened yesterday I said well

896

00:41:08,570 --> 00:41:07,200

let's just not talk about you know let's

897

00:41:10,100 --> 00:41:08,580

not limit ourselves to scientific

898

00:41:11,330 --> 00:41:10,110

evidence what is there something that

899

00:41:14,720 --> 00:41:11,340

would convince you that it's not

900

00:41:18,350 --> 00:41:14,730

actually true

901
00:41:20,300 --> 00:41:18,360
so I think I responded that I think I

902
00:41:23,150 --> 00:41:20,310
don't know yet how's it had to answer

903
00:41:27,440 --> 00:41:23,160
actually this question because of course

904
00:41:31,880 --> 00:41:27,450
the existence of evil is based on on

905
00:41:33,890 --> 00:41:31,890
faith because yeah you cannot

906
00:41:36,770 --> 00:41:33,900
investigate this so you cannot have like

907
00:41:40,730 --> 00:41:36,780
a scientific proof so it is based on on

908
00:41:43,250 --> 00:41:40,740
on faith and I yeah I don't know how to

909
00:41:44,420 --> 00:41:43,260
answer this question oh yeah I'm not

910
00:41:46,400 --> 00:41:44,430
trying to put you in a spot I'm

911
00:41:48,410 --> 00:41:46,410
generally interested in you in your

912
00:41:51,440 --> 00:41:48,420
approach this the other thing I wanted

913
00:41:54,320 --> 00:41:51,450

to know was you say that it cannot be

914

00:41:57,650 --> 00:41:54,330

investigated you put you put quite a lot

915

00:41:59,180 --> 00:41:57,660

of value in in evidence perhaps the way

916

00:42:00,620 --> 00:41:59,190

I look at evidence in the way you look

917

00:42:03,410 --> 00:42:00,630

at evidence is not exactly the same for

918

00:42:06,950 --> 00:42:03,420

example you you use a lot of evidence

919

00:42:10,570 --> 00:42:06,960

from witnesses as reliably say because

920

00:42:13,400 --> 00:42:10,580

it's accumulated it has you take it as

921

00:42:16,550 --> 00:42:13,410

good evidence whereas I probably would

922

00:42:18,410 --> 00:42:16,560

put less faith in it however you still

923

00:42:21,770 --> 00:42:18,420

are looking for evidence you don't

924

00:42:23,930 --> 00:42:21,780

simply say okay I have faith that's just

925

00:42:25,490 --> 00:42:23,940

out there I was taught and that's it but

926

00:42:26,720 --> 00:42:25,500

I'm just wondering but it seems to me

927

00:42:30,100 --> 00:42:26,730

like there's a bit of a contradiction

928

00:42:34,550 --> 00:42:30,110

here that in one say in one way you say

929

00:42:38,510 --> 00:42:34,560

I have faith yeah it's based on my the

930

00:42:41,120 --> 00:42:38,520

reason I think this is true is based on

931

00:42:43,250 --> 00:42:41,130

a very essential level on faith on the

932

00:42:46,250 --> 00:42:43,260

other hand you do rely on evidence is

933

00:42:47,870 --> 00:42:46,260

the evidence only to convince others or

934

00:42:52,580 --> 00:42:47,880

is it also for yourself

935

00:42:53,900 --> 00:42:52,590

I think the evidence is that the cases

936

00:42:55,940 --> 00:42:53,910

are not single so there are many

937

00:42:59,230 --> 00:42:55,950

exorcists over the world that have

938

00:43:05,970 --> 00:42:59,240

noticed such regularities that occur

939

00:43:08,310 --> 00:43:05,980

during exorcisms so I think you have to

940

00:43:10,770 --> 00:43:08,320

you have to claim that all of the people

941

00:43:12,240 --> 00:43:10,780

are dishonest and today all the

942

00:43:17,130 --> 00:43:12,250

exorcists during the centuries were

943

00:43:19,530 --> 00:43:17,140

dishonest and so on of course some

944

00:43:21,540 --> 00:43:19,540

people could say that it doesn't

945

00:43:24,570 --> 00:43:21,550

convince me I would like to investigate

946

00:43:27,780 --> 00:43:24,580

more or maybe good-b during the exorcism

947

00:43:30,990 --> 00:43:27,790

or during thousands of exorcism okay I

948

00:43:35,880 --> 00:43:31,000

haven't been because this is not my role

949

00:43:37,859 --> 00:43:35,890

I I feel fate in the honesty that the

950

00:43:40,560 --> 00:43:37,869

people the exorcists in the Catholic

951
00:43:42,540 --> 00:43:40,570
Church are honest I'm talking only about

952
00:43:44,070 --> 00:43:42,550
the the exhaustion Catholic Church

953
00:43:44,670 --> 00:43:44,080
because as I said they do not take any

954
00:43:47,250 --> 00:43:44,680
money

955
00:43:49,560 --> 00:43:47,260
they must be nominated by a bishop so

956
00:43:52,380 --> 00:43:49,570
they cannot make like a Exorcist career

957
00:43:56,550 --> 00:43:52,390
or something like this so they do not

958
00:44:00,599 --> 00:43:56,560
have in general any any purpose to to

959
00:44:01,950 --> 00:44:00,609
cheat I think I understand that it just

960
00:44:04,290 --> 00:44:01,960
I think my question is was more about

961
00:44:06,570 --> 00:44:04,300
your attitude to evidence not in terms

962
00:44:08,370 --> 00:44:06,580
of what you accept and don't accept but

963
00:44:10,140 --> 00:44:08,380

the need for evidence yeah

964

00:44:12,270 --> 00:44:10,150

so whether you feel that you need do you

965

00:44:15,540 --> 00:44:12,280

feel that you need that evidence or is

966

00:44:17,849 --> 00:44:15,550

it is your faith in God and in good and

967

00:44:19,710 --> 00:44:17,859

evil in the way in the biblical

968

00:44:22,170 --> 00:44:19,720

description is that enough for you

969

00:44:26,190 --> 00:44:22,180

no this is enough so I mean in the in

970

00:44:30,090 --> 00:44:26,200

the sense that I am convinced that my my

971

00:44:32,640 --> 00:44:30,100

belief is intellectually satisfying so

972

00:44:34,020 --> 00:44:32,650

it's that my faith is rational and

973

00:44:35,640 --> 00:44:34,030

doesn't mean that it can be proved

974

00:44:40,560 --> 00:44:35,650

scientifically because it cannot because

975

00:44:44,190 --> 00:44:40,570

it's faith but anyway in my opinion I'm

976

00:44:47,849 --> 00:44:44,200

very convinced that it is this is

977

00:44:49,920 --> 00:44:47,859

rational and coherent faith so it

978

00:44:54,480 --> 00:44:49,930

doesn't for example contradict with

979

00:44:56,490 --> 00:44:54,490

science so I can so there are this my

980

00:44:59,880 --> 00:44:56,500

fate no conflict between my faith and

981

00:45:01,980 --> 00:44:59,890

the scientific world let's say and yeah

982

00:45:05,070 --> 00:45:01,990

and for example other arguments are that

983

00:45:07,590 --> 00:45:05,080

we have this beautiful universe you have

984

00:45:10,770 --> 00:45:07,600

something and we know that matter or

985

00:45:12,840 --> 00:45:10,780

human beings cannot create matter I mean

986

00:45:14,790 --> 00:45:12,850

out of nothing because if you have

987

00:45:17,670 --> 00:45:14,800

matter and they'll convert to another

988

00:45:19,859 --> 00:45:17,680

matter this is not creation from ex

989

00:45:22,400 --> 00:45:19,869

nihilo from nothing right so the

990

00:45:24,450 --> 00:45:22,410

question is where is this universe from

991

00:45:27,720 --> 00:45:24,460

so there is no God

992

00:45:30,870 --> 00:45:27,730

so a being that has the power to create

993

00:45:33,240 --> 00:45:30,880

something out of nothing and doesn't

994

00:45:35,130 --> 00:45:33,250

need any creation because this must be

995

00:45:39,270 --> 00:45:35,140

the first cause let's say then if you

996

00:45:43,380 --> 00:45:39,280

don't have this then for me that it's

997

00:45:46,470 --> 00:45:43,390

hard to believe that they exist that the

998

00:45:49,109 --> 00:45:46,480

universe is something that is necessary

999

00:45:51,990 --> 00:45:49,119

to be right because we can imagine that

1000

00:45:54,330 --> 00:45:52,000

the universe couldn't be right I'm sure

1001

00:45:59,420 --> 00:45:54,340

so if there is then where is it from

1002

00:46:03,320 --> 00:45:59,430

right yep because it's for me it's not

1003

00:46:06,390 --> 00:46:03,330

possible to take the position that it is

1004

00:46:10,290 --> 00:46:06,400

eternal doesn't need any cause to exist

1005

00:46:12,150 --> 00:46:10,300

and it it was always there what was what

1006

00:46:14,460 --> 00:46:12,160

about God then I mean that is the

1007

00:46:16,020 --> 00:46:14,470

question exactly because because what we

1008

00:46:17,099 --> 00:46:16,030

believe I mean Catholics believe in

1009

00:46:19,140 --> 00:46:17,109

uncreated God

1010

00:46:21,510 --> 00:46:19,150

so like the very nature of God is the

1011

00:46:24,359 --> 00:46:21,520

existence and the power to give

1012

00:46:26,310 --> 00:46:24,369

existence to something else so so this

1013

00:46:28,140 --> 00:46:26,320

is this is Rati what also the big bang

1014

00:46:30,570 --> 00:46:28,150

theory is essentially the same things

1015

00:46:31,830 --> 00:46:30,580

existed like that there's no moment of

1016

00:46:34,710 --> 00:46:31,840

creation it's just a moment that

1017

00:46:37,080 --> 00:46:34,720

something specific started yeah but even

1018

00:46:40,590 --> 00:46:37,090

if you assume even if you assume that

1019

00:46:43,109 --> 00:46:40,600

the universe didn't have any beginning

1020

00:46:44,849 --> 00:46:43,119

in time so ever it was little null again

1021

00:46:46,950 --> 00:46:44,859

yeah but it had but even if it's

1022

00:46:48,780 --> 00:46:46,960

internal in time anyway you need

1023

00:46:48,980 --> 00:46:48,790

explanation about the original because

1024

00:46:53,390 --> 00:46:48,990

the

1025

00:46:55,430 --> 00:46:53,400

let us say that tip to me it sounds like

1026

00:46:58,370 --> 00:46:55,440

basically what you're saying is God has

1027

00:47:00,230 --> 00:46:58,380

an exemption you know and what God has

1028

00:47:02,060 --> 00:47:00,240

an exemption you don't like God doesn't

1029

00:47:04,130 --> 00:47:02,070

need to worry about this chain of

1030

00:47:05,690 --> 00:47:04,140

causality exactly because this is the

1031

00:47:08,270 --> 00:47:05,700

first but it's a definitional thing yes

1032

00:47:11,260 --> 00:47:08,280

yeah okay one last question I would like

1033

00:47:13,790 --> 00:47:11,270

to ask you is with regards to

1034

00:47:16,100 --> 00:47:13,800

specifically Catholicism you're

1035

00:47:18,260 --> 00:47:16,110

obviously a man of faith you you it's

1036

00:47:21,800 --> 00:47:18,270

here to believe yesterday you were asked

1037

00:47:23,750 --> 00:47:21,810

about what if it's you know okay it's

1038

00:47:27,140 --> 00:47:23,760

the pro no let's assume the paranormal

1039

00:47:29,900 --> 00:47:27,150

exists however it's not an angel of God

1040

00:47:31,820 --> 00:47:29,910

that does this it's it's a Jew Jew from

1041

00:47:35,960 --> 00:47:31,830

Kenya that you know that holds the

1042

00:47:37,520 --> 00:47:35,970

person above the water I'm assuming that

1043

00:47:39,650 --> 00:47:37,530

you've put your mind to this to this

1044

00:47:40,640 --> 00:47:39,660

question I'm just wondering how you

1045

00:47:42,920 --> 00:47:40,650

would respond to it

1046

00:47:46,160 --> 00:47:42,930

what is it what if what what is it that

1047

00:47:48,020 --> 00:47:46,170

makes Catholicism special in there if we

1048

00:47:49,970 --> 00:47:48,030

if we assume that the parable exists

1049

00:47:50,390 --> 00:47:49,980

what is it that makes pathology seem

1050

00:47:51,770 --> 00:47:50,400

special

1051
00:47:54,140 --> 00:47:51,780
apart from the fact that you grow up in

1052
00:47:56,420 --> 00:47:54,150
that kind of culture and in that kind of

1053
00:47:58,840 --> 00:47:56,430
faith and that's what you were raised to

1054
00:48:04,480 --> 00:48:01,870
yeah I was raised but in this my free

1055
00:48:06,430 --> 00:48:04,490
will that I remain Catholic if like I

1056
00:48:09,400 --> 00:48:06,440
could I could I could couldn't be I

1057
00:48:14,980 --> 00:48:09,410
could get rid of of my faith let's say

1058
00:48:16,480 --> 00:48:14,990
and change so but as I yeah so but but

1059
00:48:18,640 --> 00:48:16,490
this is basically what I what I answered

1060
00:48:21,010 --> 00:48:18,650
already I think that that intellectually

1061
00:48:23,890 --> 00:48:21,020
my faith discourse is coherent is

1062
00:48:27,580 --> 00:48:23,900
rational and this coherent with science

1063
00:48:31,450 --> 00:48:27,590

so so this is these are the arguments

1064

00:48:33,640 --> 00:48:31,460

that are most important for me and also

1065

00:48:36,310 --> 00:48:33,650

the the origin of the of the universe of

1066

00:48:38,560 --> 00:48:36,320

everything actually off of why there is

1067

00:48:41,710 --> 00:48:38,570

not a something than nothing right and

1068

00:48:46,240 --> 00:48:41,720

what is the origin the source so without

1069

00:48:48,910 --> 00:48:46,250

God it's not it's not possible right my

1070

00:48:50,650 --> 00:48:48,920

opinion so actually I said unless well I

1071

00:48:52,870 --> 00:48:50,660

do have one last one final question in

1072

00:48:54,340 --> 00:48:52,880

addition I mean obviously there were a

1073

00:48:56,530 --> 00:48:54,350

couple

1074

00:48:58,510 --> 00:48:56,540

silly questions from the audience which

1075

00:49:00,070 --> 00:48:58,520

I was glad that you ignored because I

1076

00:49:03,490 --> 00:49:00,080

don't think they represented the overall

1077

00:49:04,540 --> 00:49:03,500

attitude how do you feel I mean I don't

1078

00:49:06,550 --> 00:49:04,550

know whether you've done something like

1079

00:49:08,290 --> 00:49:06,560

this before but having attended the

1080

00:49:09,940 --> 00:49:08,300

conference like this yesterday was it it

1081

00:49:13,660 --> 00:49:09,950

was again there was definitely a lot of

1082

00:49:16,990 --> 00:49:13,670

arguments against your position but do

1083

00:49:18,160 --> 00:49:17,000

you feel that the debate was useful do

1084

00:49:19,510 --> 00:49:18,170

you feel that it was big people

1085

00:49:21,130 --> 00:49:19,520

listening do you feel that he was

1086

00:49:23,860 --> 00:49:21,140

respectful enough how do you feel about

1087

00:49:26,830 --> 00:49:23,870

that no I actually I expected that there

1088

00:49:28,720 --> 00:49:26,840

will be a stronger position some some

1089

00:49:31,510 --> 00:49:28,730

some arguments were good and the

1090

00:49:33,790 --> 00:49:31,520

questions I like to actually to talk

1091

00:49:35,950 --> 00:49:33,800

to people with different opposite

1092

00:49:38,520 --> 00:49:35,960

opposite views or I have already certain

1093

00:49:42,010 --> 00:49:38,530

experience from from Norway from the

1094

00:49:44,920 --> 00:49:42,020

scientific environment from the

1095

00:49:50,680 --> 00:49:44,930

scientists that are 80s but some some

1096

00:49:52,840 --> 00:49:50,690

people reacted reacted not they didn't

1097

00:49:55,210 --> 00:49:52,850

use argumentation arguments but they

1098

00:49:59,020 --> 00:49:55,220

reacted somehow emotionally or wanted to

1099

00:50:00,730 --> 00:49:59,030

discredit what I what I said so I think

1100

00:50:03,850 --> 00:50:00,740

this is not a proper a proper

1101
00:50:08,050 --> 00:50:03,860
documentation a proper we within let's

1102
00:50:10,840 --> 00:50:08,060
say people that talk a lot about science

1103
00:50:12,820 --> 00:50:10,850
and arguments because I had also summer

1104
00:50:13,850 --> 00:50:12,830
girls and tried to put the presentation

1105
00:50:16,210 --> 00:50:13,860
in

1106
00:50:18,849 --> 00:50:16,220
[Music]

1107
00:50:20,349 --> 00:50:18,859
okay I think that's that's assigned to

1108
00:50:32,680 --> 00:50:20,359
anomalies thank you very much done

1109
00:50:34,540 --> 00:50:32,690
skeptical oh thank you thank you hey

1110
00:50:37,059 --> 00:50:34,550
people tickets are available for the

1111
00:50:39,370 --> 00:50:37,069
skeptics convention dinner that's right

1112
00:50:41,230 --> 00:50:39,380
as part of skeptic on at every stray

1113
00:50:42,190 --> 00:50:41,240

lien skeptic National Convention there's

1114

00:50:44,770 --> 00:50:42,200

a formal dinner

1115

00:50:46,960 --> 00:50:44,780

or should I say there is a full dinner

1116

00:50:50,050 --> 00:50:46,970

the social highlight of an already

1117

00:50:53,319 --> 00:50:50,060

highlight full event that's right people

1118

00:50:55,420 --> 00:50:53,329

will be talking and skeptic on 2017 will

1119

00:50:57,250 --> 00:50:55,430

be no exception that's right no

1120

00:50:58,569 --> 00:50:57,260

exception not even you

1121

00:51:01,180 --> 00:50:58,579

the dinner will be held on Saturday

1122

00:51:04,170 --> 00:51:01,190

November 18th that's right

1123

00:51:06,819 --> 00:51:04,180

write that in your calendar right now

1124

00:51:10,480 --> 00:51:06,829

yeah I know you having fun it get a

1125

00:51:12,550 --> 00:51:10,490

pencil then okay Saturday November 18th

1126

00:51:15,460 --> 00:51:12,560

at the Sheraton on the park Grand

1127

00:51:16,900 --> 00:51:15,470

Ballroom Elizabeth Street Sydney I think

1128

00:51:19,480 --> 00:51:16,910

I went out with Lizabeth Street that's

1129

00:51:21,670 --> 00:51:19,490

in Elizabeth Street Sydney it promises

1130

00:51:25,720 --> 00:51:21,680

to be a grand event in its own right and

1131

00:51:28,120 --> 00:51:25,730

its own left but certainly not its own

1132

00:51:30,280 --> 00:51:28,130

alt right you know what I'm saying

1133

00:51:32,349 --> 00:51:30,290

you know you go okay you people tough

1134

00:51:33,730 --> 00:51:32,359

crowd the ticketed dinner will cost a

1135

00:51:37,270 --> 00:51:33,740

hundred and thirty dollars per person

1136

00:51:39,370 --> 00:51:37,280

and it includes a three-course meal plus

1137

00:51:42,880 --> 00:51:39,380

coffee and tea oh well that's worth

1138

00:51:45,760 --> 00:51:42,890

around some all drinks wine beer and

1139

00:51:47,980 --> 00:51:45,770

soft drinks musical entertainment from

1140

00:51:49,319 --> 00:51:47,990

rien scheana Ward winning music producer

1141

00:51:52,480 --> 00:51:49,329

and screen composer from New Zealand

1142

00:51:54,660 --> 00:51:52,490

known for his fusion of atmospheric post

1143

00:51:59,170 --> 00:51:54,670

rock with electronic and chamber music

1144

00:52:00,339 --> 00:51:59,180

that sounds dangerous confusion what so

1145

00:52:03,400 --> 00:52:00,349

it's get like CERN is it

1146

00:52:04,900 --> 00:52:03,410

I'm on era angle well look look this

1147

00:52:08,020 --> 00:52:04,910

this may be an issue for some people

1148

00:52:10,240 --> 00:52:08,030

there will be alleged magician comedian

1149

00:52:11,859 --> 00:52:10,250

Eli Baz neck and podcaster from

1150

00:52:14,020 --> 00:52:11,869

god-awful movies and the scathing

1151
00:52:16,690 --> 00:52:14,030
atheist is also known to Australian

1152
00:52:18,640 --> 00:52:16,700
customs and you know why the annual

1153
00:52:21,069 --> 00:52:18,650
skeptic award will be announced that's

1154
00:52:23,700 --> 00:52:21,079
right the annual skeptic Awards will be

1155
00:52:25,740 --> 00:52:23,710
announced the skeptic of the year

1156
00:52:27,900 --> 00:52:25,750
award for the promotion of reason and

1157
00:52:30,750 --> 00:52:27,910
the least solder for award of the year

1158
00:52:33,930 --> 00:52:30,760
anywhere the bent spoon not to mention

1159
00:52:35,520 --> 00:52:33,940
the conviviality and fun of the largest

1160
00:52:39,030 --> 00:52:35,530
annual gathering of skeptics in

1161
00:52:40,380 --> 00:52:39,040
Australia and Eli Bostick the Sheraton

1162
00:52:42,450 --> 00:52:40,390
on the park is only a short walk from

1163
00:52:45,000 --> 00:52:42,460

the convention venue at the city of

1164

00:52:47,010 --> 00:52:45,010

saddle hall angel plays Sydney all of

1165

00:52:49,410 --> 00:52:47,020

welcome to this kid friendly event

1166

00:52:52,410 --> 00:52:49,420

tickets are available from sceptics calm

1167

00:53:13,910 --> 00:52:52,420

but are you for all your sceptical needs

1168

00:53:17,700 --> 00:53:16,140

thank you for listening to the skeptic

1169

00:53:21,000 --> 00:53:17,710

Zen podcast coming up over the next few

1170

00:53:23,430 --> 00:53:21,010

weeks more from psych on 2017 from Las

1171

00:53:28,260 --> 00:53:23,440

Vegas where I am right now I look out

1172

00:53:30,780 --> 00:53:28,270

the window what do I see bright sunny

1173

00:53:33,450 --> 00:53:30,790

day and I have a view looking into the

1174

00:53:35,280 --> 00:53:33,460

middle of the hotel complex here which

1175

00:53:37,380 --> 00:53:35,290

isn't very exciting but I can sort of

1176

00:53:39,480 --> 00:53:37,390

see the corner out of the corner of the

1177

00:53:42,569 --> 00:53:39,490

view a roller coaster

1178

00:53:44,700 --> 00:53:42,579

that's Las Vegas for you a big shout out

1179

00:53:47,400 --> 00:53:44,710

to our reporter Maynard who is busily

1180

00:53:49,319 --> 00:53:47,410

preparing for a life bunga bunga in

1181

00:53:52,349 --> 00:53:49,329

Sydney and you can find out more about

1182

00:53:54,900 --> 00:53:52,359

that at Maynard comdata you and I hope

1183

00:53:56,700 --> 00:53:54,910

to see you at that live performance but

1184

00:53:58,170 --> 00:53:56,710

until next week when I'll be back in

1185

00:54:01,079 --> 00:53:58,180

Sydney Australia this is Richard

1186

00:54:08,010 --> 00:54:01,089

Saunders signing off from Las Vegas

1187

00:54:10,710 --> 00:54:08,020

Nevada you've been listening to the

1188

00:54:15,290 --> 00:54:10,720

skeptic zone podcast please visit our

1189

00:54:18,599 --> 00:54:15,300

website at WWDC be for show notes

1190

00:54:22,650 --> 00:54:18,609

contacts and to access the bat catalog

1191

00:54:24,510 --> 00:54:22,660

of episodes going back to 2008 you can

1192

00:54:27,569 --> 00:54:24,520

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1193

00:54:29,849 --> 00:54:27,579

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1194

00:54:30,740 --> 00:54:29,859

facebook page or leave a review on

1195

00:54:33,420 --> 00:54:30,750

itunes

1196

00:54:37,319 --> 00:54:33,430

you can also support the skeptic zone

1197

00:54:39,900 --> 00:54:37,329

via patreon or PayPal you can be part of

1198

00:54:44,309 --> 00:54:39,910

the show by downloading the voice byte

1199

00:54:47,670 --> 00:54:44,319

app at Voice bite comm and using the

1200

00:54:50,390 --> 00:54:47,680

hashtag skeptic zone the skeptic zone

1201

00:54:52,770 --> 00:54:50,400

podcast is an independent production

1202

00:54:54,930 --> 00:54:52,780

reviews and opinions expressed on the

1203

00:54:57,240 --> 00:54:54,940

skeptic zone are not necessarily those

1204

00:54:59,030 --> 00:54:57,250

of Australian skeptics or any other