

**SKEPTIC
ZONE**



THINKING CAPS
MUST BE WORN
IN THIS AREA

The
Podcast
from
Australia
for
Science
and
Reason

www.skepticzone.tv

1
00:00:13,200 --> 00:00:09,490
welcome to the skeptic zone the podcast

2
00:00:16,800 --> 00:00:13,210
from Australia for science and reason

3
00:00:20,380 --> 00:00:16,810
urea hosts Richard Saunders and Stefan

4
00:00:25,210 --> 00:00:22,570
can I reach it it's good to see you

5
00:00:27,519 --> 00:00:25,220
again welcome to the zone hey Stefan of

6
00:00:29,920 --> 00:00:27,529
course I'm always love to be back in the

7
00:00:32,170 --> 00:00:29,930
zone back in the zone I'm still sort of

8
00:00:34,150 --> 00:00:32,180
almost sort of over my jet lag it was a

9
00:00:35,680 --> 00:00:34,160
bit bumpy but uh oh yeah I'll you've

10
00:00:37,479 --> 00:00:35,690
just come back from Perth haven't ya

11
00:00:39,790 --> 00:00:37,489
well actually I'm just about to go to

12
00:00:41,470 --> 00:00:39,800
Perth ah it's that right I know I all

13
00:00:43,569 --> 00:00:41,480

these time zones are driving me crazy we

14

00:00:45,130 --> 00:00:43,579

hear a bit more about that later all the

15

00:00:47,110 --> 00:00:45,140

rain she and I are often see I've just

16

00:00:48,549 --> 00:00:47,120

been so swept up in the hype about you

17

00:00:50,460 --> 00:00:48,559

going to Perth that I thought that you'd

18

00:00:52,779 --> 00:00:50,470

already been that's how excited I am

19

00:00:54,130 --> 00:00:52,789

well by the time we do the next show in

20

00:00:56,200 --> 00:00:54,140

a couple of weeks I'll you would have

21

00:00:58,660 --> 00:00:56,210

been and if you're listening to the

22

00:01:00,610 --> 00:00:58,670

listen to this show right now on your

23

00:01:02,560 --> 00:01:00,620

podcast in a couple of weeks time you

24

00:01:04,479 --> 00:01:02,570

would have also been even though you

25

00:01:05,710 --> 00:01:04,489

haven't quite been yet my own been yet

26

00:01:07,779 --> 00:01:05,720

but if you're listening to this in a few

27

00:01:09,219 --> 00:01:07,789

weeks it's all over yeah that's fine and

28

00:01:11,139 --> 00:01:09,229

it was great wasn't it it was fantastic

29

00:01:12,940 --> 00:01:11,149

fabulous thanks for all the people who

30

00:01:14,740 --> 00:01:12,950

came to see me at Perth and operate you

31

00:01:19,359 --> 00:01:14,750

more about that later than is actually

32

00:01:22,029 --> 00:01:19,369

skeptic zone show number 41 44 the 31st

33

00:01:24,219 --> 00:01:22,039

the joy yep the shows in its 40s oh my

34

00:01:25,899 --> 00:01:24,229

goodness that's pretty good going there

35

00:01:28,149 --> 00:01:25,909

it's a probably almost as long as

36

00:01:31,270 --> 00:01:28,159

seinfeld wind isn't it Oh getting close

37

00:01:33,310 --> 00:01:31,280

easily what's good to have you along and

38

00:01:35,770 --> 00:01:33,320

what are we got in in store today it's

39

00:01:37,780 --> 00:01:35,780

bit of a kind of a routine show but with

40

00:01:39,789 --> 00:01:37,790

a lot of excitement oh yeah yeah well

41

00:01:42,160 --> 00:01:39,799

back to the good old format we've got an

42

00:01:44,700 --> 00:01:42,170

interview with joe nickell now Joe is a

43

00:01:48,700 --> 00:01:44,710

famed legendary psychic and paranormal

44

00:01:50,440 --> 00:01:48,710

investigator oh isn't it funny he was

45

00:01:52,810 --> 00:01:50,450

that I'd say the dinner party and you

46

00:01:54,700 --> 00:01:52,820

introduced it as a famous psychic and

47

00:01:56,289 --> 00:01:54,710

paranormal and then someone butted in

48

00:01:59,560 --> 00:01:56,299

and offered him some hors d'oeuvres they

49

00:02:01,030 --> 00:01:59,570

get the wrong impression it would but

50

00:02:04,539 --> 00:02:01,040

Joe would sort them out pretty quick

51
00:02:06,160 --> 00:02:04,549
over he would yes yes sir he's he's been

52
00:02:07,600 --> 00:02:06,170
around for quite a while hasn't he yeah

53
00:02:09,969 --> 00:02:07,610
something like 30 years or something

54
00:02:11,830 --> 00:02:09,979
without investigating monsters and

55
00:02:13,900 --> 00:02:11,840
ghosts and oddities and give us the

56
00:02:15,220 --> 00:02:13,910
stories to tell oh he does he does so

57
00:02:17,740 --> 00:02:15,230
we'll catch up with him in a moment in

58
00:02:19,690 --> 00:02:17,750
here we've got a book review at Kylie

59
00:02:22,000 --> 00:02:19,700
Sturgis and over there in Perth does a

60
00:02:23,340 --> 00:02:22,010
book review about the Monty Hall problem

61
00:02:25,530 --> 00:02:23,350
do you know about

62
00:02:27,510 --> 00:02:25,540
I i must admit as arrow died and

63
00:02:29,610 --> 00:02:27,520

well-read as I am I haven't heard of

64

00:02:31,440 --> 00:02:29,620

that one this is where you're on a game

65

00:02:33,930 --> 00:02:31,450

show and there are three doors yep

66

00:02:35,850 --> 00:02:33,940

there's a car behind one door and goats

67

00:02:38,520 --> 00:02:35,860

behind the other two doors right it's

68

00:02:39,900 --> 00:02:38,530

rylan it's a hungry you are which one

69

00:02:42,420 --> 00:02:39,910

you want to be that's right and the host

70

00:02:44,970 --> 00:02:42,430

says you choose a door they say I have

71

00:02:46,890 --> 00:02:44,980

door number one yep no says well I'm not

72

00:02:48,720 --> 00:02:46,900

going to open door number one but i will

73

00:02:50,940 --> 00:02:48,730

open door number three in the opens door

74

00:02:54,240 --> 00:02:50,950

three and there's a goat all rights and

75

00:02:57,020 --> 00:02:54,250

then he says now i'll let you either go

76
00:02:59,370 --> 00:02:57,030
with your original choice or change huh

77
00:03:00,630 --> 00:02:59,380
what I can I would think that there

78
00:03:02,730 --> 00:03:00,640
wouldn't make any difference but it

79
00:03:04,440 --> 00:03:02,740
turns out but changing your mind and

80
00:03:07,080 --> 00:03:04,450
going with the other door increases your

81
00:03:10,140 --> 00:03:07,090
chances of winning is that right well

82
00:03:12,630 --> 00:03:10,150
that's the big argument as your argument

83
00:03:14,370 --> 00:03:12,640
oh I guess it depends on the other

84
00:03:16,020 --> 00:03:14,380
policy of the game show that's not where

85
00:03:17,850 --> 00:03:16,030
they like people to win or lose and how

86
00:03:19,980 --> 00:03:17,860
convincing their the host is but that's

87
00:03:21,480 --> 00:03:19,990
fascinating yeah now that's followed by

88
00:03:23,880 --> 00:03:21,490

a grain of salt with the runs together

89

00:03:26,460 --> 00:03:23,890

looking at jr. jr. jr. skeptics

90

00:03:29,250 --> 00:03:26,470

skeptical kids I skeptical here's a good

91

00:03:30,930 --> 00:03:29,260

to see dr. reaches back with dr. ray

92

00:03:33,300 --> 00:03:30,940

cheer reports looking some of the more

93

00:03:35,760 --> 00:03:33,310

zany and wacky goings honor the

94

00:03:37,320 --> 00:03:35,770

anti-vaccination great oh yes and can we

95

00:03:39,930 --> 00:03:37,330

just add we did a bit of a survey

96

00:03:42,480 --> 00:03:39,940

recently and then and Aaron and dr. H

97

00:03:44,040 --> 00:03:42,490

came out rather favorably they did this

98

00:03:45,750 --> 00:03:44,050

a little online survey a lot of people

99

00:03:47,310 --> 00:03:45,760

like those two segments very much I know

100

00:03:49,140 --> 00:03:47,320

we were very disappointed where we

101
00:03:52,440 --> 00:03:49,150
Richard we were but they did like your

102
00:03:54,510 --> 00:03:52,450
music oh that's nice now will we

103
00:03:55,890 --> 00:03:54,520
actually feel some very good feedback

104
00:03:58,440 --> 00:03:55,900
from the show so we're really handy

105
00:04:00,150 --> 00:03:58,450
young and and enthused to keep going we

106
00:04:01,770 --> 00:04:00,160
will let's just because of the positive

107
00:04:03,690 --> 00:04:01,780
feedback will keep going let's get into

108
00:04:05,460 --> 00:04:03,700
it to RIT well before we do that oh my

109
00:04:08,010 --> 00:04:05,470
gosh oh of course we've got the think

110
00:04:09,540 --> 00:04:08,020
tank oh yes of course we do now hold on

111
00:04:26,280 --> 00:04:09,550
to your horses let's get into it let's

112
00:04:32,050 --> 00:04:29,380
Joe Nickell is a prominent skeptical

113
00:04:34,480 --> 00:04:32,060

investigator of the paranormal he also

114

00:04:37,030 --> 00:04:34,490

works as an historical document

115

00:04:39,670 --> 00:04:37,040

consultant and has helped expose such

116

00:04:42,750 --> 00:04:39,680

famous forgeries as the Jack the Ripper

117

00:04:45,520 --> 00:04:42,760

Diaries and the ad off Hitler Diaries

118

00:04:47,950 --> 00:04:45,530

Joe is a senior research fellow at the

119

00:04:50,560 --> 00:04:47,960

Center for inquiry formerly the

120

00:04:53,230 --> 00:04:50,570

committee for scientific investigations

121

00:04:55,000 --> 00:04:53,240

of claims of the paranormal and writes

122

00:04:58,060 --> 00:04:55,010

regularly for their journal The

123

00:05:00,340 --> 00:04:58,070

Skeptical Inquirer he has also worked

124

00:05:03,670 --> 00:05:00,350

professionally as a private investigator

125

00:05:12,700 --> 00:05:03,680

journalist University instructor and is

126

00:05:14,710 --> 00:05:12,710

the author of many books and we're still

127

00:05:16,720 --> 00:05:14,720

here the amazing meeting 10-7 in Las

128

00:05:18,910 --> 00:05:16,730

Vegas and I'm catching up with the

129

00:05:21,460 --> 00:05:18,920

paranormal investigator John Nichol hi

130

00:05:23,500 --> 00:05:21,470

Joe how are you I'm not bad jet legs

131

00:05:27,040 --> 00:05:23,510

caught up with me a little bit oh I know

132

00:05:29,020 --> 00:05:27,050

it's a story of my life you would know

133

00:05:31,270 --> 00:05:29,030

now you've gone to amazing places around

134

00:05:33,280 --> 00:05:31,280

the world to do your investigations of

135

00:05:38,320 --> 00:05:33,290

claims of the paranormal including yes

136

00:05:40,930 --> 00:05:38,330

Australia yes great great time in two

137

00:05:42,940 --> 00:05:40,940

thousand in Australia and traveled

138

00:05:46,360 --> 00:05:42,950

around trying to eat one of each of your

139

00:05:49,180 --> 00:05:46,370

animals and investigating such mysteries

140

00:05:51,790 --> 00:05:49,190

as the mahogany ship and spiritualism

141

00:05:54,160 --> 00:05:51,800

and the fabled Yali and other mysteries

142

00:05:57,490 --> 00:05:54,170

and had just the best time and hoped to

143

00:06:02,560 --> 00:05:57,500

be invited back but I've also been to

144

00:06:08,020 --> 00:06:02,570

South America to Brazil and and to

145

00:06:10,180 --> 00:06:08,030

Argentina to to Peru so I I've travelled

146

00:06:15,670 --> 00:06:10,190

quite extensively and throughout North

147

00:06:18,790 --> 00:06:15,680

America Europe part of Asia North Africa

148

00:06:22,630 --> 00:06:18,800

now I was at your talk yesterday which

149

00:06:24,760 --> 00:06:22,640

was very well received about what you do

150

00:06:26,710 --> 00:06:24,770

in your philosophy in your approach and

151

00:06:28,840 --> 00:06:26,720

you had some very good advice for

152

00:06:30,250 --> 00:06:28,850

especially the younger skeptic starting

153

00:06:30,640 --> 00:06:30,260

out there and the less experienced month

154

00:06:32,950 --> 00:06:30,650

we

155

00:06:35,530 --> 00:06:32,960

because you as you and I both know a lot

156

00:06:38,050 --> 00:06:35,540

of people out there call themselves

157

00:06:40,930 --> 00:06:38,060

skeptics but they're simply naysayers

158

00:06:44,140 --> 00:06:40,940

which is does our side of the equation

159

00:06:46,930 --> 00:06:44,150

no end of damage doesn't yes it does if

160

00:06:49,540 --> 00:06:46,940

we're going to fault the so-called true

161

00:06:52,270 --> 00:06:49,550

believers for beginning with the answer

162

00:06:55,330 --> 00:06:52,280

and working backward to the evidence to

163

00:06:57,820 --> 00:06:55,340

be equally critical of skeptics doing

164

00:07:01,840 --> 00:06:57,830

the same thing we must not start with

165

00:07:04,420 --> 00:07:01,850

the answer that we like or believe and

166

00:07:09,129 --> 00:07:04,430

then look for for the evidence we need

167

00:07:12,070 --> 00:07:09,139

to first be looking for good evidence in

168

00:07:14,439 --> 00:07:12,080

a case and then letting that evidence

169

00:07:16,090 --> 00:07:14,449

lead us to an answer and then and then

170

00:07:19,450 --> 00:07:16,100

believe that whether whether we like it

171

00:07:23,560 --> 00:07:19,460

or not yeah and I mean the the skeptic

172

00:07:26,620 --> 00:07:23,570

who dismisses ghosts or monsters is

173

00:07:29,020 --> 00:07:26,630

probably more likely to be correct than

174

00:07:32,820 --> 00:07:29,030

the true believer who readily embraces

175

00:07:37,480 --> 00:07:32,830

them but it's it's really a dishonest

176

00:07:41,070 --> 00:07:37,490

habit of mind to dismiss something in

177

00:07:43,689 --> 00:07:41,080

advance of inquiring into it and even if

178

00:07:45,100 --> 00:07:43,699

you say well but how many haunted houses

179

00:07:47,100 --> 00:07:45,110

do you have to go into before you

180

00:07:49,330 --> 00:07:47,110

realize there aren't any ghosts there

181

00:07:51,550 --> 00:07:49,340

well I would phrase the question a

182

00:07:53,620 --> 00:07:51,560

little differently I would say well if

183

00:07:57,790 --> 00:07:53,630

the question is are there ghosts or

184

00:07:59,740 --> 00:07:57,800

aren't that might be a reasonable

185

00:08:01,180 --> 00:07:59,750

attitude but I don't think that's the

186

00:08:02,950 --> 00:08:01,190

question and people look at me like

187

00:08:04,870 --> 00:08:02,960

you've lost your mind of course that's

188

00:08:08,110 --> 00:08:04,880

the issue there go sir there or not as

189

00:08:10,330 --> 00:08:08,120

you know for me the issue is do people

190

00:08:13,689 --> 00:08:10,340

in huge numbers believe they're ghosts

191

00:08:16,870 --> 00:08:13,699

well yes they do yeah well then if if

192

00:08:20,230 --> 00:08:16,880

that's the case it behooves us to pay

193

00:08:23,529 --> 00:08:20,240

attention to that issue and if they have

194

00:08:25,870 --> 00:08:23,539

some mystery that concerns them we

195

00:08:28,810 --> 00:08:25,880

should try to explain it not just

196

00:08:31,839 --> 00:08:28,820

dismiss it otherwise why are we

197

00:08:34,320 --> 00:08:31,849

bothering at all yeah so I'm I'm

198

00:08:37,300 --> 00:08:34,330

inclined to think that

199

00:08:39,880 --> 00:08:37,310

the squeaking wheel gets the grease if

200

00:08:43,240 --> 00:08:39,890

if there's a haunted house a Bigfoot

201
00:08:47,080 --> 00:08:43,250
report flying saucer and that's getting

202
00:08:49,320 --> 00:08:47,090
a lot of attention then I say okay let's

203
00:08:52,600 --> 00:08:49,330
lets us give it some attention yeah

204
00:08:54,940 --> 00:08:52,610
let's not just hoot at it or dismiss it

205
00:08:56,590 --> 00:08:54,950
or make fun of people know if there's a

206
00:08:58,810 --> 00:08:56,600
question if it's an easy question to

207
00:09:01,300 --> 00:08:58,820
solve well by all means let us read in

208
00:09:03,550 --> 00:09:01,310
and solve it if even we're not sure

209
00:09:05,200 --> 00:09:03,560
what's going on if it's rather puzzling

210
00:09:07,630 --> 00:09:05,210
and we've not seen something quite like

211
00:09:09,160 --> 00:09:07,640
it yes maybe we don't think it's a

212
00:09:11,860 --> 00:09:09,170
miracle or we don't think it's a ghost

213
00:09:14,650 --> 00:09:11,870

but let's just set that aside let's just

214

00:09:17,440 --> 00:09:14,660

set that aside the issue is what is it

215

00:09:20,290 --> 00:09:17,450

that's causing that phenomenon why don't

216

00:09:22,990 --> 00:09:20,300

we and once we explain it I'm confident

217

00:09:25,810 --> 00:09:23,000

that if we can actually explain the

218

00:09:28,330 --> 00:09:25,820

mystery any needed debunking will take

219

00:09:30,100 --> 00:09:28,340

care of itself yes sort of automatically

220

00:09:33,970 --> 00:09:30,110

more or less yeah yeah so you don't have

221

00:09:36,220 --> 00:09:33,980

to sit out to debunk and also a lot of

222

00:09:38,470 --> 00:09:36,230

people um I've certainly encountered

223

00:09:41,140 --> 00:09:38,480

this when you come along to investigate

224

00:09:43,120 --> 00:09:41,150

or whatever a lot of people have their

225

00:09:45,310 --> 00:09:43,130

minds made up about you before you set

226

00:09:48,310 --> 00:09:45,320

your foot in the door that this man this

227

00:09:50,950 --> 00:09:48,320

mr. skeptic has come here to to Devon to

228

00:09:53,140 --> 00:09:50,960

debug yeah to say I don't care what you

229

00:09:55,660 --> 00:09:53,150

say I know this isn't real I'm going to

230

00:09:57,760 --> 00:09:55,670

prove it to you that's not really no I'm

231

00:09:59,710 --> 00:09:57,770

happy to say that in your case and I try

232

00:10:02,080 --> 00:09:59,720

in my case that's that's not true we

233

00:10:04,200 --> 00:10:02,090

really do go in with well let's see

234

00:10:06,550 --> 00:10:04,210

what's happening here but I'm sure that

235

00:10:08,620 --> 00:10:06,560

it's hard to get that through to people

236

00:10:10,450 --> 00:10:08,630

have you found them yeah absolutely is

237

00:10:15,850 --> 00:10:10,460

very it's very difficult people have

238

00:10:18,430 --> 00:10:15,860

have their sense of of things and it's

239

00:10:22,120 --> 00:10:18,440

very hard to to convince them otherwise

240

00:10:26,200 --> 00:10:22,130

but I think when we skeptics are at our

241

00:10:28,690 --> 00:10:26,210

best and we do listen and we look for

242

00:10:31,390 --> 00:10:28,700

for the best evidence and we let that

243

00:10:34,630 --> 00:10:31,400

evidence lead us to an answer on that we

244

00:10:36,880 --> 00:10:34,640

when we can we respect people that's not

245

00:10:39,190 --> 00:10:36,890

to say that the the fraud artist the

246

00:10:41,710 --> 00:10:39,200

phony I won't kick in the teeth I don't

247

00:10:44,860 --> 00:10:41,720

know what I thought but you don't like

248

00:10:45,689 --> 00:10:44,870

using the word fraud especially no I in

249

00:10:48,090 --> 00:10:45,699

a specific

250

00:10:49,109 --> 00:10:48,100

case I mean we know that fraud exists

251

00:10:51,900 --> 00:10:49,119

and we know there's fraud in the

252

00:10:53,519 --> 00:10:51,910

paranormal in a specific case we have to

253

00:10:55,829 --> 00:10:53,529

be careful about using word fraud

254

00:10:58,739 --> 00:10:55,839

because historically you know there were

255

00:11:01,710 --> 00:10:58,749

cases where a skeptic would accuse a

256

00:11:04,949 --> 00:11:01,720

fortune teller of being a fraud well

257

00:11:06,749 --> 00:11:04,959

what he meant was maybe I don't think

258

00:11:09,210 --> 00:11:06,759

she can really tell fortunes and so

259

00:11:12,090 --> 00:11:09,220

she's not genuine yeah but that's not

260

00:11:17,460 --> 00:11:12,100

what fraud means in law it means

261

00:11:21,269 --> 00:11:17,470

deliberately and knowingly being

262

00:11:24,960 --> 00:11:21,279

deceptive for the purpose of money and a

263

00:11:26,909 --> 00:11:24,970

lot of fortune tellers may be sincere

264

00:11:30,150 --> 00:11:26,919

believers that they have special powers

265

00:11:33,749 --> 00:11:30,160

that's my take I the angle i take is the

266

00:11:35,879 --> 00:11:33,759

most of them i've encountered to my best

267

00:11:39,659 --> 00:11:35,889

judging ability austin seeing our

268

00:11:42,559 --> 00:11:39,669

sincere they can i joke sometimes i'll

269

00:11:48,470 --> 00:11:42,569

say there there are two types of

270

00:11:51,689 --> 00:11:48,480

psychics those who have no psychic power

271

00:11:54,389 --> 00:11:51,699

but who believe they do and call them

272

00:11:56,609 --> 00:11:54,399

fantasize errs the other type also has

273

00:11:58,979 --> 00:11:56,619

no psychic power they know they don't

274

00:12:02,069 --> 00:11:58,989

and we call them you know charlatans

275

00:12:06,569 --> 00:12:02,079

yeah but knowing which is which is is

276

00:12:09,929 --> 00:12:06,579

not so glib not so easy to say I'm not a

277

00:12:11,249 --> 00:12:09,939

human lie detector and so whenever I can

278

00:12:13,739 --> 00:12:11,259

and give people the benefit of the doubt

279

00:12:17,669 --> 00:12:13,749

it's much more useful for us when we can

280

00:12:20,549 --> 00:12:17,679

show rather than trying to show it's in

281

00:12:22,739 --> 00:12:20,559

that person's mind we say look I can

282

00:12:25,199 --> 00:12:22,749

show you they they are not psychic are

283

00:12:27,059 --> 00:12:25,209

they they're not seeing the future and

284

00:12:30,029 --> 00:12:27,069

that's why I sometimes as you know I

285

00:12:35,659 --> 00:12:30,039

wear disguises or I create false

286

00:12:42,569 --> 00:12:35,669

personas and I go and if the person is

287

00:12:44,669 --> 00:12:42,579

unable to penetrate my falsehood that I

288

00:12:48,059 --> 00:12:44,679

can see they're not very psychic yeah

289

00:12:50,849 --> 00:12:48,069

they should be saying oh I'm getting bad

290

00:12:52,390 --> 00:12:50,859

vibes here I'm seeing I'm seeing the

291

00:12:55,270 --> 00:12:52,400

name Nikolai me

292

00:12:58,000 --> 00:12:55,280

you know so forth but in fact when they

293

00:13:00,610 --> 00:12:58,010

when they buy my persona and start

294

00:13:02,950 --> 00:13:00,620

giving the readings that would apply to

295

00:13:05,860 --> 00:13:02,960

the false persona and not the real me I

296

00:13:08,560 --> 00:13:05,870

know that they're not they're not really

297

00:13:11,830 --> 00:13:08,570

psychic no I I may not know that they're

298

00:13:13,890 --> 00:13:11,840

deliberately trying to hoodwink me but

299

00:13:16,630 --> 00:13:13,900

does it really matter the main thing is

300

00:13:20,050 --> 00:13:16,640

as to show that they're not successful

301
00:13:22,480 --> 00:13:20,060
and i will say that I've spent much of

302
00:13:26,620 --> 00:13:22,490
my life going to fortune tellers yeah

303
00:13:31,030 --> 00:13:26,630
from the 60s 22 today is certainly 40

304
00:13:33,130 --> 00:13:31,040
years of doing this and for me now one

305
00:13:36,250 --> 00:13:33,140
of the poignant things that I'm looking

306
00:13:42,700 --> 00:13:36,260
back on with all this is in 2003 I

307
00:13:46,320 --> 00:13:42,710
learned I had all these years from 1967

308
00:13:51,730 --> 00:13:46,330
I had a daughter I didn't know about and

309
00:13:55,930 --> 00:13:51,740
not one fortune teller a straw roofs

310
00:14:00,790 --> 00:13:55,940
psychic diviner clairvoyant not one of

311
00:14:02,740 --> 00:14:00,800
them ever said you know you need to be

312
00:14:04,570 --> 00:14:02,750
aware that you have a daughter you don't

313
00:14:07,210 --> 00:14:04,580

know about and her name is such and such

314

00:14:09,430 --> 00:14:07,220

an issue so and so would that have been

315

00:14:12,790 --> 00:14:09,440

wonderful and wouldn't that have been

316

00:14:15,400 --> 00:14:12,800

convincing no they didn't know it

317

00:14:17,440 --> 00:14:15,410

because I didn't know yeah they know

318

00:14:20,410 --> 00:14:17,450

what you know yeah and they're cleverly

319

00:14:22,180 --> 00:14:20,420

able to fish out information and

320

00:14:26,040 --> 00:14:22,190

interpret it and get you to play that

321

00:14:28,630 --> 00:14:26,050

game and they may not do it shrigley and

322

00:14:32,290 --> 00:14:28,640

deceptively they may they believe they

323

00:14:33,760 --> 00:14:32,300

say a lot of things and some of it yes

324

00:14:35,560 --> 00:14:33,770

what it sticks when you say they

325

00:14:37,060 --> 00:14:35,570

cleverly do it now i agree there are

326

00:14:39,880 --> 00:14:37,070

some something out there i've seen

327

00:14:43,990 --> 00:14:39,890

myself who can cleverly do it yes but i

328

00:14:45,940 --> 00:14:44,000

must say there are a lot of psychics or

329

00:14:49,120 --> 00:14:45,950

fortune tellers or what have you who do

330

00:14:51,430 --> 00:14:49,130

it in a very clumsy manner yes still get

331

00:14:58,120 --> 00:14:51,440

good reason they do yeah and I remember

332

00:15:01,960 --> 00:14:58,130

once a psychic that my old colleague dr.

333

00:15:04,480 --> 00:15:01,970

robert baker and now passed on but he he

334

00:15:05,170 --> 00:15:04,490

was a great ghost hunter and skeptic and

335

00:15:06,910 --> 00:15:05,180

we did

336

00:15:09,010 --> 00:15:06,920

look together and great we were great

337

00:15:11,860 --> 00:15:09,020

friends and colleagues for many years

338

00:15:13,180 --> 00:15:11,870

and we decided on this particular

339

00:15:15,790 --> 00:15:13,190

psychic who was getting a lot of

340

00:15:17,410 --> 00:15:15,800

attention in our area we thought one

341

00:15:18,940 --> 00:15:17,420

let's just take him would just take him

342

00:15:21,070 --> 00:15:18,950

out to lunch and they feel agree to go

343

00:15:22,570 --> 00:15:21,080

out with us buy him a nice lunch and

344

00:15:24,580 --> 00:15:22,580

chat with him and so we thought that was

345

00:15:26,620 --> 00:15:24,590

a great idea the psychic agreed we took

346

00:15:29,740 --> 00:15:26,630

him out had a nice lunch and now it's

347

00:15:31,810 --> 00:15:29,750

conversation I asked uh psychic at one

348

00:15:36,610 --> 00:15:31,820

point I said would you be willing to

349

00:15:39,730 --> 00:15:36,620

have your abilities tested oh no he said

350

00:15:41,860 --> 00:15:39,740

I don't test well hmm well I mean

351
00:15:43,570 --> 00:15:41,870
without being employed I sort of smiled

352
00:15:47,380 --> 00:15:43,580
and I said well but you see the problem

353
00:15:50,620 --> 00:15:47,390
now because if you say you don't test

354
00:15:52,540 --> 00:15:50,630
well then I'm going to have to ask why

355
00:15:55,000 --> 00:15:52,550
you think you're psychic yeah in other

356
00:15:56,860 --> 00:15:55,010
words if we can't to actually show that

357
00:16:00,900 --> 00:15:56,870
you have this ability why do you think

358
00:16:05,560 --> 00:16:00,910
of it and he said oh that's simple

359
00:16:09,010 --> 00:16:05,570
people tell me how accurate I am and so

360
00:16:13,720 --> 00:16:09,020
it's easy to see there that you could

361
00:16:16,060 --> 00:16:13,730
just believe that you have some psychic

362
00:16:18,870 --> 00:16:16,070
ability you just say whatever comes into

363
00:16:21,430 --> 00:16:18,880

your mind and you maybe subconsciously

364

00:16:24,220 --> 00:16:21,440

assessing the guys manner of dress and

365

00:16:28,000 --> 00:16:24,230

some little cues and things that he said

366

00:16:29,860 --> 00:16:28,010

maybe you met him the 10 minutes ago he

367

00:16:31,870 --> 00:16:29,870

made some comment that would indicate

368

00:16:34,120 --> 00:16:31,880

he's a bachelor or something but you

369

00:16:35,920 --> 00:16:34,130

don't consciously you're not aware of

370

00:16:37,480 --> 00:16:35,930

all this but you're just saying what

371

00:16:39,430 --> 00:16:37,490

comes into your mind you seem to know

372

00:16:42,160 --> 00:16:39,440

these things yeah and I'm using your

373

00:16:44,020 --> 00:16:42,170

intuition and it's that's probably a

374

00:16:46,060 --> 00:16:44,030

little better than pure guessing you

375

00:16:47,560 --> 00:16:46,070

probably aren't picking up some cues and

376

00:16:52,000 --> 00:16:47,570

clues and things without being aware of

377

00:16:54,670 --> 00:16:52,010

it yeah and so however crudely in an

378

00:16:57,160 --> 00:16:54,680

artfully you may be doing it you are

379

00:16:59,740 --> 00:16:57,170

kind of the putting out some information

380

00:17:04,450 --> 00:16:59,750

for people and they may respond to it

381

00:17:07,240 --> 00:17:04,460

and if they're a believer and they they

382

00:17:10,660 --> 00:17:07,250

pick and choose they if you say

383

00:17:12,700 --> 00:17:10,670

something mistaken they may say them

384

00:17:13,060 --> 00:17:12,710

each challenge I don't know i don't have

385

00:17:57,100 --> 00:17:13,070

a

386

00:17:59,110 --> 00:17:57,110

the Riley the fish is well known which

387

00:18:00,970 --> 00:17:59,120

is a fun and who cares it's it that's

388

00:18:02,620 --> 00:18:00,980

great fun then I thought to myself well

389

00:18:05,170 --> 00:18:02,630

maybe I can adapt us i'll call this the

390

00:18:07,510 --> 00:18:05,180

fishy cycle web when somebody comes to

391

00:18:09,850 --> 00:18:07,520

see a fortune teller or a psychic they

392

00:18:11,770 --> 00:18:09,860

usually sold before they set step foot

393

00:18:14,320 --> 00:18:11,780

into the door they're sold on the idea

394

00:18:16,060 --> 00:18:14,330

of personally coming to see and you're

395

00:18:17,890 --> 00:18:16,070

right they will distort and manipulate

396

00:18:21,010 --> 00:18:17,900

and twist things in the mind to make it

397

00:18:22,630 --> 00:18:21,020

all fit now they'll go away and tell

398

00:18:25,000 --> 00:18:22,640

their friends what a great psychic this

399

00:18:26,590 --> 00:18:25,010

was and their friends come back and the

400

00:18:28,330 --> 00:18:26,600

original client will come back and tell

401
00:18:30,810 --> 00:18:28,340
the psychic you were so wonderful last

402
00:18:34,300 --> 00:18:30,820
time reinforcement reinforcement

403
00:18:36,190 --> 00:18:34,310
absolutely so of course I can't blame

404
00:18:39,310 --> 00:18:36,200
them someone for absolutely believing

405
00:18:41,290 --> 00:18:39,320
yeah that's right then so it makes our

406
00:18:43,780 --> 00:18:41,300
makes our work even more difficult

407
00:18:46,300 --> 00:18:43,790
because it would be so easy if they were

408
00:18:47,830 --> 00:18:46,310
all fakes and charlatans we could just

409
00:18:51,640 --> 00:18:47,840
catch them at their trips in a good

410
00:18:54,220 --> 00:18:51,650
shape well that's another point the good

411
00:18:56,410 --> 00:18:54,230
ones out there the good charlatans I'll

412
00:19:00,430 --> 00:18:56,420
say have learnt and maybe some of them

413
00:19:02,620 --> 00:19:00,440

are learnt from the peter Popoff episode

414

00:19:04,870 --> 00:19:02,630

you don't have to use gimmicks or tricks

415

00:19:07,030 --> 00:19:04,880

Road better that you don't yeah I mean

416

00:19:09,700 --> 00:19:07,040

when you look back at history of

417

00:19:14,590 --> 00:19:09,710

spiritualism and you know in the 19th

418

00:19:16,330 --> 00:19:14,600

century let's say from the the latter

419

00:19:17,940 --> 00:19:16,340

part of the 19th century into their

420

00:19:20,890 --> 00:19:17,950

early 20th century there were lots of

421

00:19:23,250 --> 00:19:20,900

trance mediums who did physical

422

00:19:26,049 --> 00:19:23,260

phenomena and they would there would be

423

00:19:28,120 --> 00:19:26,059

spirit materializations and dark room

424

00:19:31,779 --> 00:19:28,130

silences and spirits would write on on

425

00:19:35,169 --> 00:19:31,789

slates produce magical spirit writing

426
00:19:38,409 --> 00:19:35,179
and objects would be at ported they were

427
00:19:41,289 --> 00:19:38,419
said they would appear yes tables out of

428
00:19:44,380 --> 00:19:41,299
nowhere flowers and other airports and

429
00:19:46,060 --> 00:19:44,390
and myriad other phenomena physical

430
00:19:49,510 --> 00:19:46,070
phenomena and the problem with the

431
00:19:52,389 --> 00:19:49,520
physical phenomenon was that you could

432
00:19:54,399 --> 00:19:52,399
be caught doing these magic basically

433
00:19:56,649 --> 00:19:54,409
magic tricks in the dark yeah which

434
00:19:58,289 --> 00:19:56,659
suddenly whoa and yes someone like

435
00:20:01,090 --> 00:19:58,299
ghedini might whip out a flashlight

436
00:20:04,720 --> 00:20:01,100
someone might grab your hand but my

437
00:20:07,299 --> 00:20:04,730
point yeah this spiritualist used to do

438
00:20:09,310 --> 00:20:07,309

these physical this what's called

439

00:20:10,840 --> 00:20:09,320

physical mediumship and the problem with

440

00:20:12,580 --> 00:20:10,850

it was that they could be caught

441

00:20:14,830 --> 00:20:12,590

red-handed someone who grabbed their

442

00:20:17,590 --> 00:20:14,840

their hand or turn on a light and catch

443

00:20:21,039 --> 00:20:17,600

them faking the phenomena so now we have

444

00:20:24,820 --> 00:20:21,049

this mental mediumship we're we're

445

00:20:27,130 --> 00:20:24,830

certain practitioners can do readings

446

00:20:29,409 --> 00:20:27,140

under the bright lights of television

447

00:20:31,600 --> 00:20:29,419

they no longer need the dark rooms and

448

00:20:33,940 --> 00:20:31,610

yeah and they're just playing mind games

449

00:20:36,220 --> 00:20:33,950

they're fishing for information throwing

450

00:20:38,710 --> 00:20:36,230

out things hoping that you will pick and

451
00:20:41,409 --> 00:20:38,720
choose and interpret things to fit you

452
00:20:44,529 --> 00:20:41,419
and they goodbye with us and they cannot

453
00:20:46,720 --> 00:20:44,539
be caught basically cannot be caught

454
00:20:49,480 --> 00:20:46,730
doing actual tricks now we did catch I

455
00:20:53,590 --> 00:20:49,490
was working with Dateline NBC and we did

456
00:20:57,159 --> 00:20:53,600
catch John Edward the famous died we

457
00:20:59,799 --> 00:20:57,169
caught him revealing information and it

458
00:21:01,870 --> 00:20:59,809
had a reading that in fact we know he

459
00:21:04,570 --> 00:21:01,880
had earlier in the day we know he got

460
00:21:07,539 --> 00:21:04,580
that information the person that's set

461
00:21:09,430 --> 00:21:07,549
on it for a while and that's that's

462
00:21:12,580 --> 00:21:09,440
clear and so I think we caught him

463
00:21:16,389 --> 00:21:12,590

cheating he's tried to wriggle out of it

464

00:21:19,750 --> 00:21:16,399

but not very successfully but by and

465

00:21:22,370 --> 00:21:19,760

large the the mental mediumship

466

00:21:24,230 --> 00:21:22,380

safer it's an it's very interesting

467

00:21:25,430 --> 00:21:24,240

situation for us human we're trying to

468

00:21:28,250 --> 00:21:25,440

put our point of view to the general

469

00:21:30,500 --> 00:21:28,260

public because there's nothing for them

470

00:21:32,570 --> 00:21:30,510

now to latch on to like look if I cut

471

00:21:35,120 --> 00:21:32,580

this strain it falls down oh it's a

472

00:21:37,460 --> 00:21:35,130

trick all right and you can explain that

473

00:21:39,470 --> 00:21:37,470

very simply or if it's someone with a

474

00:21:41,150 --> 00:21:39,480

pole in the dark with these things that

475

00:21:44,570 --> 00:21:41,160

appear or disappear but when we're

476
00:21:47,900 --> 00:21:44,580
talking now about the flow of cold

477
00:21:49,820 --> 00:21:47,910
reading for example you can't just nail

478
00:21:53,810 --> 00:21:49,830
that in one quick center let's further

479
00:21:56,419 --> 00:21:53,820
to the untrained and that's that's where

480
00:21:59,000 --> 00:21:56,429
they have a big advantage I can't keep

481
00:22:01,880 --> 00:21:59,010
doing this due to them in person says oh

482
00:22:03,440 --> 00:22:01,890
I understand it now I what I'm trying to

483
00:22:07,100 --> 00:22:03,450
do with a lot of phenomena now has

484
00:22:09,919 --> 00:22:07,110
explained it as explain to people how we

485
00:22:12,290 --> 00:22:09,929
all are fooled by illusions so that at

486
00:22:13,820 --> 00:22:12,300
my first haunted house of mckinsey house

487
00:22:16,280 --> 00:22:13,830
in toronto people were hearing footsteps

488
00:22:17,950 --> 00:22:16,290

on the stairs late at night turned out

489

00:22:21,410 --> 00:22:17,960

there actually hearing footsteps on a

490

00:22:24,110 --> 00:22:21,420

staircase next door that was just a few

491

00:22:26,240 --> 00:22:24,120

inches away same staircase to a wall was

492

00:22:27,980 --> 00:22:26,250

it is actually a small passageway

493

00:22:30,530 --> 00:22:27,990

between the two buildings but close

494

00:22:33,680 --> 00:22:30,540

enough to to resonate and make the sound

495

00:22:36,680 --> 00:22:33,690

or people seeing a long-necked

496

00:22:38,630 --> 00:22:36,690

undulating serpentine creature on on a

497

00:22:42,560 --> 00:22:38,640

lake like Lake Okanagan in British

498

00:22:45,919 --> 00:22:42,570

Columbia or or or Newfoundlands like

499

00:22:48,620 --> 00:22:45,929

crescent and realizing that that in some

500

00:22:50,419 --> 00:22:48,630

cases is two or three or four otters

501
00:22:52,100 --> 00:22:50,429
swimming in a line yeah I'm creating

502
00:22:54,590 --> 00:22:52,110
this illusion of one long creature

503
00:22:57,710 --> 00:22:54,600
slithering through the water or any of a

504
00:23:01,610 --> 00:22:57,720
number of other things we even psychics

505
00:23:04,370 --> 00:23:01,620
doing this trick of retrofitting that is

506
00:23:06,919 --> 00:23:04,380
saying when someone's missing they say I

507
00:23:09,650 --> 00:23:06,929
see water I see the number seven and so

508
00:23:12,340 --> 00:23:09,660
forth and then after the person is the

509
00:23:17,510 --> 00:23:12,350
missing person's body is found they

510
00:23:19,490 --> 00:23:17,520
interpret the the information to fit so

511
00:23:21,620 --> 00:23:19,500
they say well water I mentioned water

512
00:23:23,750 --> 00:23:21,630
there's a creek lake a pond it's so

513
00:23:24,750 --> 00:23:23,760

forth and so showing you how these sort

514

00:23:27,510 --> 00:23:24,760

of illusions

515

00:23:29,160 --> 00:23:27,520

something looks like they told this had

516

00:23:31,620 --> 00:23:29,170

a vision of where the body was but they

517

00:23:34,560 --> 00:23:31,630

they're really counting on us to match

518

00:23:37,860 --> 00:23:34,570

up and showing how these techniques work

519

00:23:40,080 --> 00:23:37,870

I think is very important for skeptics

520

00:23:43,680 --> 00:23:40,090

to be able to do understanding them

521

00:23:47,810 --> 00:23:43,690

these illusions and realizing we also

522

00:23:51,050 --> 00:23:47,820

are capable of a pool and trying to to

523

00:23:53,250 --> 00:23:51,060

explain either the trick of mind or the

524

00:23:55,410 --> 00:23:53,260

assumption that sort of thing and since

525

00:23:57,330 --> 00:23:55,420

seeing that we're all vulnerable yeah

526
00:24:00,170 --> 00:23:57,340
that's that's that's absolutely true and

527
00:24:02,610 --> 00:24:00,180
well I'm in the interesting position

528
00:24:04,500 --> 00:24:02,620
like himself of encountering these

529
00:24:06,900 --> 00:24:04,510
things and trying to explain these

530
00:24:09,410 --> 00:24:06,910
things so it's an interesting life it

531
00:24:13,470 --> 00:24:09,420
really is i enjoy it too it is i

532
00:24:15,960 --> 00:24:13,480
thoroughly enjoy this work now if our

533
00:24:18,090 --> 00:24:15,970
listeners want to find out more about

534
00:24:19,620 --> 00:24:18,100
you and way you write for the skeptic

535
00:24:22,230 --> 00:24:19,630
The Skeptical Inquirer skeptical

536
00:24:26,640 --> 00:24:22,240
Inquirer and they can go to my personal

537
00:24:30,480 --> 00:24:26,650
website WWJ nickel spell it correctly in

538
00:24:33,930 --> 00:24:30,490

IC ke LOL calm and you can check out my

539

00:24:36,810 --> 00:24:33,940

blogs and you can see some of my many

540

00:24:39,420 --> 00:24:36,820

personas that is over the years and and

541

00:24:41,400 --> 00:24:39,430

my books and how do people get hold of

542

00:24:44,550 --> 00:24:41,410

your books they can actually go to my

543

00:24:46,740 --> 00:24:44,560

website see the various I don't know 25

544

00:24:48,600 --> 00:24:46,750

or 30 books I've written and click on

545

00:24:50,430 --> 00:24:48,610

them and they'll take you to a place

546

00:24:53,370 --> 00:24:50,440

where you can buy the book they're all

547

00:24:56,850 --> 00:24:53,380

my books I'm happy to say all my books

548

00:25:00,000 --> 00:24:56,860

are in print still only one of my books

549

00:25:01,380 --> 00:25:00,010

went out of print is back okay well Joe

550

00:25:03,360 --> 00:25:01,390

Nickell it's been an absolute pleasure

551
00:25:06,420 --> 00:25:03,370
to meet you once again because we didn't

552
00:25:08,580 --> 00:25:06,430
meet briefly in two thousand and yes so

553
00:25:10,530 --> 00:25:08,590
glory yes good to see you again and

554
00:25:22,580 --> 00:25:10,540
thanks for appearing on the skeptics in

555
00:25:27,440 --> 00:25:25,590
hi I'm Alice to take clothes through the

556
00:25:29,580 --> 00:25:27,450
new by weekly podcast the

557
00:25:31,950 --> 00:25:29,590
pseudo-scientists the official podcast

558
00:25:34,260 --> 00:25:31,960
of the youngster alien skeptics john

559
00:25:37,350 --> 00:25:34,270
elliott birch daily breeders jason ball

560
00:25:39,240 --> 00:25:37,360
Jack Scanlon hey rush and myself to hear

561
00:25:41,549 --> 00:25:39,250
what our generation have to say backpack

562
00:25:44,610 --> 00:25:41,559
Yuri science and the issues they concern

563
00:25:56,850 --> 00:25:44,620

us subscribe to our podcast located that

564

00:26:04,549 --> 00:25:56,860

young as skeptics calm little take this

565

00:26:09,870 --> 00:26:07,230

hello this is a run segev taking life

566

00:26:12,150 --> 00:26:09,880

with a grain of salt when I was about

567

00:26:14,460 --> 00:26:12,160

four my father would take me out almost

568

00:26:17,400 --> 00:26:14,470

every night before bed time to look at

569

00:26:19,200 --> 00:26:17,410

the night sky equipped only with a small

570

00:26:21,780 --> 00:26:19,210

Reader's Digest guide to the night sky

571

00:26:23,669 --> 00:26:21,790

and a lot of enthusiasm he would tell me

572

00:26:25,860 --> 00:26:23,679

the stories of Cassiopeia the Big Dipper

573

00:26:28,620 --> 00:26:25,870

and the Little Dipper the North Star and

574

00:26:30,390 --> 00:26:28,630

many other celestial objects my father

575

00:26:32,460 --> 00:26:30,400

could not even be considered an amateur

576

00:26:34,590 --> 00:26:32,470

astronomer his knowledge was very

577

00:26:36,570 --> 00:26:34,600

limited he could not identify planets

578

00:26:39,150 --> 00:26:36,580

other than Venus and definitely knew

579

00:26:41,360 --> 00:26:39,160

very little astrophysics what he lacked

580

00:26:43,770 --> 00:26:41,370

in knowledge he filled with curiosity

581

00:26:46,500 --> 00:26:43,780

enthusiasm and delighted the wonders of

582

00:26:48,630 --> 00:26:46,510

nature without intending it or knowing

583

00:26:50,700 --> 00:26:48,640

where he would lead he had instilled in

584

00:26:53,730 --> 00:26:50,710

me a lifelong passion for astronomy and

585

00:26:56,010 --> 00:26:53,740

for science in general that in turn led

586

00:26:58,710 --> 00:26:56,020

to a skeptical mindset into a tendency

587

00:27:00,180 --> 00:26:58,720

to think critically those listeners who

588

00:27:02,310 --> 00:27:00,190

have children or planning to have

589

00:27:04,020 --> 00:27:02,320

children may sometimes wonder what they

590

00:27:06,539 --> 00:27:04,030

might be able to do to ensure their

591

00:27:08,100 --> 00:27:06,549

children become critical thinkers I know

592

00:27:10,560 --> 00:27:08,110

that there are also those who consider

593

00:27:13,190 --> 00:27:10,570

such a notion to be wrong seeing it as a

594

00:27:15,480 --> 00:27:13,200

type of indoctrination but I disagree

595

00:27:18,120 --> 00:27:15,490

teaching a child to think critically is

596

00:27:19,650 --> 00:27:18,130

providing them with a skill telling them

597

00:27:22,169 --> 00:27:19,660

to think for themselves is the

598

00:27:23,760 --> 00:27:22,179

antithesis of indoctrination and is what

599

00:27:26,730 --> 00:27:23,770

every skeptical parents should strive

600

00:27:27,960 --> 00:27:26,740

for in this talk i will discuss

601
00:27:29,220 --> 00:27:27,970
some of the ways by which you can

602
00:27:32,070 --> 00:27:29,230
encourage your children to become

603
00:27:34,110 --> 00:27:32,080
critical thinkers be warned though if

604
00:27:36,540 --> 00:27:34,120
you do a good job your kids will be less

605
00:27:39,330 --> 00:27:36,550
likely to respond well to because I'm

606
00:27:41,040 --> 00:27:39,340
your daddy and I said so as it's

607
00:27:43,049 --> 00:27:41,050
probably obvious from the story I opened

608
00:27:44,940 --> 00:27:43,059
with I believe the best way to get your

609
00:27:48,419 --> 00:27:44,950
child to do anything is by modeling the

610
00:27:49,650 --> 00:27:48,429
behavior by way of analogy if you want

611
00:27:52,919 --> 00:27:49,660
your child to have good table manners

612
00:27:54,990 --> 00:27:52,929
mind your own not only will a child

613
00:27:56,790 --> 00:27:55,000

usually want to copy you you will also

614

00:27:58,680 --> 00:27:56,800

be well placed to commend them on doing

615

00:28:01,140 --> 00:27:58,690

the right thing or putting them on

616

00:28:02,340 --> 00:28:01,150

notice for doing the wrong thing if you

617

00:28:04,590 --> 00:28:02,350

make a habit of making unfounded

618

00:28:06,840 --> 00:28:04,600

statements or having opinions or matter

619

00:28:08,730 --> 00:28:06,850

about which you know very little your

620

00:28:10,200 --> 00:28:08,740

children will know and it won't matter

621

00:28:13,140 --> 00:28:10,210

how much you tell them to think for

622

00:28:15,860 --> 00:28:13,150

themselves so my rules for raising

623

00:28:18,240 --> 00:28:15,870

little critical thinkers AR 1 model

624

00:28:20,370 --> 00:28:18,250

critical thinking show your children

625

00:28:22,080 --> 00:28:20,380

that when a claim is made which requires

626
00:28:25,740 --> 00:28:22,090
supporting evidence you seek the

627
00:28:28,650 --> 00:28:25,750
evidence to say I don't know at least

628
00:28:30,390 --> 00:28:28,660
say it when you really don't know you

629
00:28:32,880 --> 00:28:30,400
can do even better by working with your

630
00:28:34,890 --> 00:28:32,890
child to find out the answer it's a

631
00:28:38,130 --> 00:28:34,900
learning opportunity for you and for

632
00:28:40,620 --> 00:28:38,140
them three force them to think for

633
00:28:41,850 --> 00:28:40,630
themselves if they ask a question that

634
00:28:43,620 --> 00:28:41,860
you feel they can figure out by

635
00:28:45,419 --> 00:28:43,630
themselves ask them what they think

636
00:28:48,930 --> 00:28:45,429
rather than simply providing them with

637
00:28:51,450 --> 00:28:48,940
an answer for get them interested in

638
00:28:53,400 --> 00:28:51,460

science show them how wonderful reality

639

00:28:56,070 --> 00:28:53,410

is and what an extraordinary achievement

640

00:29:00,090 --> 00:28:56,080

it is that humans know so much with the

641

00:29:02,700 --> 00:29:00,100

help of science 5 above all be

642

00:29:04,560 --> 00:29:02,710

enthusiastic if you groan before you do

643

00:29:07,650 --> 00:29:04,570

something with your kids they won't buy

644

00:29:09,270 --> 00:29:07,660

it with these 5 rules in mind I'd like

645

00:29:10,799 --> 00:29:09,280

to suggest some practical avenues for

646

00:29:13,680 --> 00:29:10,809

promoting critical thinking in your

647

00:29:16,080 --> 00:29:13,690

children as I mentioned in a previous

648

00:29:18,120 --> 00:29:16,090

podcast I object to lying to children

649

00:29:20,400 --> 00:29:18,130

and this includes lying to them about

650

00:29:23,040 --> 00:29:20,410

cherished beliefs such as Santa or the

651
00:29:24,600 --> 00:29:23,050
tooth fairy having said that most

652
00:29:26,130 --> 00:29:24,610
parents would recognize the value of

653
00:29:28,650 --> 00:29:26,140
such imaginary entities to their

654
00:29:30,720 --> 00:29:28,660
children and want to avoid ruining a

655
00:29:32,850 --> 00:29:30,730
dream in favor of the harsh reality that

656
00:29:34,680 --> 00:29:32,860
mummy and daddy have to go to work in

657
00:29:37,650 --> 00:29:34,690
order to finance Santa and the Tooth

658
00:29:39,070 --> 00:29:37,660
Fairy my experience is that there is no

659
00:29:40,870 --> 00:29:39,080
need to lie and it's quite

660
00:29:42,490 --> 00:29:40,880
possible to play along with a fantasy

661
00:29:45,700 --> 00:29:42,500
without playing an active part in

662
00:29:48,130 --> 00:29:45,710
creating it one of my children had a pet

663
00:29:50,409 --> 00:29:48,140

dragon which he named bragging for

664

00:29:52,330 --> 00:29:50,419

almost two years and while it's presents

665

00:29:55,090 --> 00:29:52,340

like that of most fire-breathing pets

666

00:29:56,799 --> 00:29:55,100

was not always pleasant we never thought

667

00:29:59,080 --> 00:29:56,809

to tell our child that the dragon was

668

00:30:01,960 --> 00:29:59,090

not real as it clearly fulfilled a

669

00:30:04,600 --> 00:30:01,970

certain need instead we simply played

670

00:30:06,880 --> 00:30:04,610

along we asked him to tell us about the

671

00:30:09,279 --> 00:30:06,890

dragon when the subject came up but did

672

00:30:12,159 --> 00:30:09,289

not make up our own stories or inflict

673

00:30:14,649 --> 00:30:12,169

our own ideas on him at a certain point

674

00:30:17,139 --> 00:30:14,659

he decided to get rid of bragging and we

675

00:30:19,240 --> 00:30:17,149

stopped hearing about it similarly with

676

00:30:21,009 --> 00:30:19,250

a tooth fairy and another child they

677

00:30:23,169 --> 00:30:21,019

came a time when questions arose around

678

00:30:26,289 --> 00:30:23,179

who might really be replacing the tooth

679

00:30:29,500 --> 00:30:26,299

with a few coins rather than saying you

680

00:30:31,060 --> 00:30:29,510

got me mate it's me I chose to respond

681

00:30:33,430 --> 00:30:31,070

with what I considered to be the best

682

00:30:35,590 --> 00:30:33,440

way to deal with such queries I asked

683

00:30:37,440 --> 00:30:35,600

what he thought and soon enough he came

684

00:30:40,090 --> 00:30:37,450

to his own conclusions about the matter

685

00:30:42,370 --> 00:30:40,100

that did not stop him from using the

686

00:30:45,000 --> 00:30:42,380

tooth fairy as code for I lost a tooth

687

00:30:47,259 --> 00:30:45,010

you owe me money for several more years

688

00:30:49,960 --> 00:30:47,269

that experience with the tooth fairy

689

00:30:51,580 --> 00:30:49,970

taught me a lot I've since used the what

690

00:30:54,009 --> 00:30:51,590

do you think approach very often in

691

00:30:55,990 --> 00:30:54,019

relation to the variety of topics for

692

00:30:58,690 --> 00:30:56,000

example the kids got a glimpse of some

693

00:31:01,090 --> 00:30:58,700

miracle cure on a tabloid TV show they

694

00:31:02,710 --> 00:31:01,100

mentioned it excitedly over dinner so I

695

00:31:04,899 --> 00:31:02,720

asked a few questions about how it was

696

00:31:07,539 --> 00:31:04,909

found and contrasted it with questions

697

00:31:09,279 --> 00:31:07,549

about how science progresses I made the

698

00:31:11,529 --> 00:31:09,289

point that revolutionary breakthroughs

699

00:31:13,360 --> 00:31:11,539

do happen but ask them what it would

700

00:31:16,299 --> 00:31:13,370

take for them to believe that what they

701
00:31:18,519 --> 00:31:16,309
saw was such a breakthrough without me

702
00:31:21,159 --> 00:31:18,529
casting doubt about any specific claim

703
00:31:23,019 --> 00:31:21,169
or stating my own opinion they very soon

704
00:31:24,519 --> 00:31:23,029
realized that energized water or

705
00:31:26,889 --> 00:31:24,529
whatever the miracle cure was is

706
00:31:29,799 --> 00:31:26,899
unlikely to be a really exciting

707
00:31:31,180 --> 00:31:29,809
development I'm sure it's clear to all

708
00:31:33,190 --> 00:31:31,190
this inner that I was not being an

709
00:31:35,680 --> 00:31:33,200
objective bystander in this process I

710
00:31:37,750 --> 00:31:35,690
had a very clear goal in mind and I had

711
00:31:39,430 --> 00:31:37,760
achieved it but the important point is

712
00:31:41,350 --> 00:31:39,440
that in order for the kids to reach the

713
00:31:43,139 --> 00:31:41,360

point I want to let me to get to they

714

00:31:45,370 --> 00:31:43,149

had to apply their own reasoning I

715

00:31:48,519 --> 00:31:45,380

guided them through questions but did

716

00:31:50,350 --> 00:31:48,529

not provide any answers the questions

717

00:31:52,790 --> 00:31:50,360

children asked are not always about some

718

00:31:54,440 --> 00:31:52,800

grand mystery sometimes

719

00:31:56,570 --> 00:31:54,450

they asked questions about how our wide

720

00:31:58,040 --> 00:31:56,580

things work in a certain way and this

721

00:32:00,950 --> 00:31:58,050

can lead to a great learning experience

722

00:32:03,320 --> 00:32:00,960

for example the child may ask why the

723

00:32:04,610 --> 00:32:03,330

moon changes from night to night it

724

00:32:06,950 --> 00:32:04,620

would be okay to say that the moon has

725

00:32:09,380 --> 00:32:06,960

phases but rather than explain what they

726
00:32:11,600 --> 00:32:09,390
are you can do a demonstration using a

727
00:32:13,610 --> 00:32:11,610
spotlight for the Sun a basketball for

728
00:32:16,040 --> 00:32:13,620
the moon in the child's head for Earth

729
00:32:19,130 --> 00:32:16,050
the beauty of it is that you won't need

730
00:32:20,900 --> 00:32:19,140
to explain instead of explaining ask the

731
00:32:24,380 --> 00:32:20,910
child to describe and explain what is

732
00:32:26,030 --> 00:32:24,390
happening sometimes a child will ask a

733
00:32:28,850 --> 00:32:26,040
question to which you don't know the

734
00:32:30,470 --> 00:32:28,860
answer the best approach is to say that

735
00:32:32,960 --> 00:32:30,480
you don't know and suggest you work

736
00:32:34,550 --> 00:32:32,970
together to find out in the age of the

737
00:32:36,110 --> 00:32:34,560
Internet you can probably make a start

738
00:32:38,210 --> 00:32:36,120

very easily by using a search engine

739

00:32:40,280 --> 00:32:38,220

which provides a good opportunity to

740

00:32:41,960 --> 00:32:40,290

also talk about the reliability or lack

741

00:32:44,150 --> 00:32:41,970

thereof of information of lean on the

742

00:32:47,060 --> 00:32:44,160

internet and how to verify such

743

00:32:49,160 --> 00:32:47,070

information regardless whether you open

744

00:32:51,350 --> 00:32:49,170

a browser read a book or go to a museum

745

00:32:52,970 --> 00:32:51,360

to find the answer the experience of

746

00:32:55,430 --> 00:32:52,980

finding something out together with a

747

00:32:58,550 --> 00:32:55,440

parent is an invaluable one as he chose

748

00:33:00,200 --> 00:32:58,560

the child how evidence is sought it also

749

00:33:02,480 --> 00:33:00,210

teaches them that adults don't know

750

00:33:04,310 --> 00:33:02,490

everything and by implication that they

751
00:33:07,010 --> 00:33:04,320
can be doubtful of a claim made by an

752
00:33:08,900 --> 00:33:07,020
adult there are also more effortless

753
00:33:11,060 --> 00:33:08,910
ways of exposing your child to science

754
00:33:12,770 --> 00:33:11,070
into critical thinking watching

755
00:33:14,450 --> 00:33:12,780
mythbusters is a fail safe way of

756
00:33:16,570 --> 00:33:14,460
spending an hour with your child while

757
00:33:18,920 --> 00:33:16,580
not moving a muscle yet having great fun

758
00:33:21,500 --> 00:33:18,930
it's so much fun that it's hard to

759
00:33:23,270 --> 00:33:21,510
believe how educational it is there are

760
00:33:25,790 --> 00:33:23,280
also lots of books about science aimed

761
00:33:27,770 --> 00:33:25,800
at children of various ages while most

762
00:33:30,050 --> 00:33:27,780
of them concentrated on the findings of

763
00:33:32,030 --> 00:33:30,060

science rather than on the process it's

764

00:33:34,370 --> 00:33:32,040

possible to find books that describe how

765

00:33:36,590 --> 00:33:34,380

discoveries were made but in any case

766

00:33:37,880 --> 00:33:36,600

you can go back to step 2 and do some

767

00:33:40,370 --> 00:33:37,890

research together based on an

768

00:33:42,710 --> 00:33:40,380

interesting factoid in a book there are

769

00:33:45,020 --> 00:33:42,720

also books like the time and space of

770

00:33:46,780 --> 00:33:45,030

Uncle Albert which describe difficult

771

00:33:49,490 --> 00:33:46,790

scientific ideas to a young audience

772

00:33:52,570 --> 00:33:49,500

reading such books together can be a lot

773

00:33:55,250 --> 00:33:52,580

of fun and you might learn something too

774

00:33:56,980 --> 00:33:55,260

while doing all those things the most

775

00:33:59,660 --> 00:33:56,990

important thing is to be enthusiastic

776

00:34:01,520 --> 00:33:59,670

the same in eight mechanism that allows

777

00:34:03,290 --> 00:34:01,530

children to know exactly which button to

778

00:34:05,630 --> 00:34:03,300

press to drive their parents of the wall

779

00:34:06,050 --> 00:34:05,640

works very well to find out when your

780

00:34:08,900 --> 00:34:06,060

fake

781

00:34:10,400 --> 00:34:08,910

it if you're not enthusiastic none of

782

00:34:13,640 --> 00:34:10,410

the ideas I mentioned will work very

783

00:34:15,620 --> 00:34:13,650

well over very long if you are tired or

784

00:34:17,690 --> 00:34:15,630

P occupied and are unable to muster the

785

00:34:20,320 --> 00:34:17,700

required eagerness it's probably best to

786

00:34:23,210 --> 00:34:20,330

postpone the activity to another day and

787

00:34:25,220 --> 00:34:23,220

finally remember that you have to try to

788

00:34:28,250 --> 00:34:25,230

use reason in all your interactions with

789

00:34:30,590 --> 00:34:28,260

your young skeptic because one don't ask

790

00:34:44,869 --> 00:34:30,600

stupid questions can undo months of

791

00:34:50,740 --> 00:34:47,509

I'm Carly Sturgis and this is the

792

00:34:53,389 --> 00:34:50,750

skeptic zones token skeptic book review

793

00:34:55,909 --> 00:34:53,399

Jason Rosenhaus an associate professor

794

00:34:58,309 --> 00:34:55,919

of mathematics is the author of the

795

00:35:01,460 --> 00:34:58,319

Monty Hall problem the remarkable story

796

00:35:03,200 --> 00:35:01,470

of maths most contentious brainteaser my

797

00:35:05,779 --> 00:35:03,210

original idea for this book he writes

798

00:35:07,759 --> 00:35:05,789

was that an entire first course in

799

00:35:09,890 --> 00:35:07,769

probability could be based on nothing

800

00:35:12,140 --> 00:35:09,900

more than variations of the Monty Hall

801
00:35:14,059 --> 00:35:12,150
problem to pick up the book in the first

802
00:35:16,490 --> 00:35:14,069
place is to know something of the

803
00:35:18,140 --> 00:35:16,500
problem already it is the rare math

804
00:35:19,779 --> 00:35:18,150
problem that finds its way into the

805
00:35:22,940 --> 00:35:19,789
front page of the sunday New York Times

806
00:35:24,650 --> 00:35:22,950
but the Monty Hall problem somewhat akin

807
00:35:28,730 --> 00:35:24,660
to the let's make a deal gameshow

808
00:35:30,710 --> 00:35:28,740
achieve that in 1991 the heated argument

809
00:35:33,230 --> 00:35:30,720
that played out for 11 months previously

810
00:35:35,499 --> 00:35:33,240
was due to a Q&A column written by

811
00:35:38,420 --> 00:35:35,509
Marilyn Vos savant in Parade magazine

812
00:35:40,670 --> 00:35:38,430
now as a young person I enjoyed reading

813
00:35:42,410 --> 00:35:40,680

the Guinness Book records and I wouldn't

814

00:35:45,470 --> 00:35:42,420

be surprised if many young people still

815

00:35:48,289 --> 00:35:45,480

do and I remembered Vaas savants listing

816

00:35:51,349 --> 00:35:48,299

in the 1980s editions as the person with

817

00:35:54,049 --> 00:35:51,359

the highest recorded IQ could someone

818

00:35:55,789 --> 00:35:54,059

with the highest IQ get it wrong what

819

00:35:57,819 --> 00:35:55,799

got mathematicians so angry that it

820

00:35:59,960 --> 00:35:57,829

ended up in the news could there be

821

00:36:01,490 --> 00:35:59,970

interpretations of the problem that

822

00:36:04,579 --> 00:36:01,500

aren't being addressed in the answers

823

00:36:07,490 --> 00:36:04,589

given here's one version that I've heard

824

00:36:09,289 --> 00:36:07,500

you are Monty halls game show contestant

825

00:36:13,400 --> 00:36:09,299

and he presents you with three identical

826
00:36:16,069 --> 00:36:13,410
doors one hides a car which you want but

827
00:36:18,829 --> 00:36:16,079
the other two doors hide goats neither

828
00:36:21,230 --> 00:36:18,839
which you want you pick a door but

829
00:36:23,900 --> 00:36:21,240
instead of opening it Monty opens one of

830
00:36:26,210 --> 00:36:23,910
the other two doors Monty knows of

831
00:36:28,759 --> 00:36:26,220
course where the car is and where the

832
00:36:31,339 --> 00:36:28,769
goats are and he only opens a door that

833
00:36:33,019 --> 00:36:31,349
shows you a goat in the case where you

834
00:36:35,480 --> 00:36:33,029
happen to pick the door hiding the car

835
00:36:38,569 --> 00:36:35,490
he chooses one of the remaining doors

836
00:36:40,490 --> 00:36:38,579
randomly so you have one door open with

837
00:36:43,249 --> 00:36:40,500
the goat and two doors unopened

838
00:36:45,740 --> 00:36:43,259

including the one you picked Monty now

839

00:36:48,019 --> 00:36:45,750

says he will give you a choice you can

840

00:36:50,359 --> 00:36:48,029

stick to the unopened or you originally

841

00:36:53,210 --> 00:36:50,369

picked or you can switch to the other

842

00:36:56,269 --> 00:36:53,220

unopened door do you stick or do you

843

00:36:57,780 --> 00:36:56,279

switch now that's part of the story but

844

00:37:00,180 --> 00:36:57,790

as Jason rosenhaus foul

845

00:37:02,130 --> 00:37:00,190

it doesn't end there some of the

846

00:37:04,980 --> 00:37:02,140

chapters are indeed mathematical as

847

00:37:08,370 --> 00:37:04,990

you'd expect with unknowns XYZ

848

00:37:10,800 --> 00:37:08,380

probability symbols and so forth he

849

00:37:12,600 --> 00:37:10,810

writes that it's possibly more a book

850

00:37:14,490 --> 00:37:12,610

for undergraduates with the interest in

851
00:37:16,470 --> 00:37:14,500
mathematics but i would say that a keen

852
00:37:18,180 --> 00:37:16,480
high schooler could find a lot to enjoy

853
00:37:20,670 --> 00:37:18,190
in it even if they did ask a few

854
00:37:22,680 --> 00:37:20,680
questions the book is a discursive

855
00:37:24,200 --> 00:37:22,690
entertaining journey and very well

856
00:37:26,880 --> 00:37:24,210
structured there are references

857
00:37:29,400 --> 00:37:26,890
historical investigations philosophy and

858
00:37:31,140 --> 00:37:29,410
even pop culture ideas along with many

859
00:37:33,360 --> 00:37:31,150
different explanations of the Monty Hall

860
00:37:34,860 --> 00:37:33,370
problem if you're interested in

861
00:37:38,460 --> 00:37:34,870
mathematics as a recreational activity

862
00:37:40,440 --> 00:37:38,470
this will entertain you Rosenhaus wrote

863
00:37:42,930 --> 00:37:40,450

no matter how many times he brings this

864

00:37:44,850 --> 00:37:42,940

problem up at social gatherings he is

865

00:37:47,130 --> 00:37:44,860

amazed by the ability of a mere math

866

00:37:49,020 --> 00:37:47,140

problem to awaken such passion and

867

00:37:51,330 --> 00:37:49,030

interest the importance of thinking

868

00:37:53,670 --> 00:37:51,340

clearly about probability cannot be

869

00:37:55,380 --> 00:37:53,680

dismissed the Monty Hall problem is a

870

00:37:58,830 --> 00:37:55,390

book that reflects that passion and

871

00:38:00,750 --> 00:37:58,840

interest which is why I recommend it you

872

00:38:03,090 --> 00:38:00,760

can read the token skeptic book review

873

00:38:05,580 --> 00:38:03,100

at the official site of token skeptic

874

00:38:08,820 --> 00:38:05,590

org and of course further links and news

875

00:38:11,610 --> 00:38:08,830

will be found at skeptic zone wordpress

876

00:38:29,240 --> 00:38:11,620

com the official blog for the skeptics

877

00:38:33,809 --> 00:38:31,319

perth gets into the zone for

878

00:38:35,819 --> 00:38:33,819

myth-busting and more international

879

00:38:37,740 --> 00:38:35,829

itunes sensation and proactive online

880

00:38:39,870 --> 00:38:37,750

radio show for science and reason is

881

00:38:42,630 --> 00:38:39,880

presenting at the University of Western

882

00:38:44,519 --> 00:38:42,640

Australia catch the talks by Richard

883

00:38:46,769 --> 00:38:44,529

Saunders and dr. Rachel Dunlop on

884

00:38:49,319 --> 00:38:46,779

Saturday eighth of august from five

885

00:38:51,480 --> 00:38:49,329

until 8pm at the University of Western

886

00:38:54,150 --> 00:38:51,490

Australia at the wool now lecture

887

00:38:56,910 --> 00:38:54,160

theatre geology building it is hosted by

888

00:38:59,370 --> 00:38:56,920

the UWA atheists and agnostics society

889

00:39:02,370 --> 00:38:59,380

the Perth atheists and the humanist

890

00:39:04,259 --> 00:39:02,380

society of Western Australia you can

891

00:39:06,480 --> 00:39:04,269

find out more details on the skeptic

892

00:39:15,390 --> 00:39:06,490

zone site and certainly head to the

893

00:39:25,450 --> 00:39:18,760

now it's time for dr. Rachel reports

894

00:39:28,329 --> 00:39:25,460

with dr. Rachel Dunlop hello everyone

895

00:39:29,740 --> 00:39:28,339

and welcome to dr. ecchi reports while

896

00:39:31,690 --> 00:39:29,750

it's been a while since I mentioned the

897

00:39:34,539 --> 00:39:31,700

anti-vaxxers in Australia and after this

898

00:39:35,890 --> 00:39:34,549

week I think it's time for an update so

899

00:39:37,809 --> 00:39:35,900

some of you may have been watching with

900

00:39:39,849 --> 00:39:37,819

amusement the cat and mouse games this

901
00:39:42,579 --> 00:39:39,859
week on the various Facebook pages from

902
00:39:44,410 --> 00:39:42,589
the anti-vaxxers as fast as they were

903
00:39:46,299 --> 00:39:44,420
filled up with evidence-based comments

904
00:39:48,670 --> 00:39:46,309
these comments will magically disappear

905
00:39:51,819 --> 00:39:48,680
soon after as they were deleted by the

906
00:39:53,799 --> 00:39:51,829
lunatic fringe anti vasas never

907
00:39:56,170 --> 00:39:53,809
fearlessness we have a tool called

908
00:39:58,289 --> 00:39:56,180
screen capture which has saved much of

909
00:40:02,260 --> 00:39:58,299
the material to be used at a later date

910
00:40:04,359 --> 00:40:02,270
stay tuned for news on this but then

911
00:40:05,950 --> 00:40:04,369
again it is really no surprise that the

912
00:40:08,980 --> 00:40:05,960
anti-vaxxers are desperately trying to

913
00:40:12,579 --> 00:40:08,990

save some sort of face and it seems that

914

00:40:14,109 --> 00:40:12,589

hypocrisy keeps coming I was informed

915

00:40:17,200 --> 00:40:14,119

this week through a comment on my blog

916

00:40:20,109 --> 00:40:17,210

that Meryl Dory the president of the

917

00:40:23,289 --> 00:40:20,119

Australian vaccination Network poses as

918

00:40:25,440 --> 00:40:23,299

pro-choice publicly only in order to

919

00:40:27,760 --> 00:40:25,450

curry favor with the mainstream media

920

00:40:30,400 --> 00:40:27,770

however privately she is

921

00:40:33,549 --> 00:40:30,410

anti-vaccination almost makes you want

922

00:40:34,839 --> 00:40:33,559

to put your face in your palm but then I

923

00:40:37,029 --> 00:40:34,849

received this insightful information

924

00:40:39,400 --> 00:40:37,039

from someone who wanted to ask Tony

925

00:40:41,589 --> 00:40:39,410

McCaffrey about the results of her dead

926

00:40:44,710 --> 00:40:41,599

daughter's autopsy since they don't

927

00:40:46,839 --> 00:40:44,720

believe pertussis killed Dana charming

928

00:40:50,529 --> 00:40:46,849

lot these anti-vaxxers and sensitive to

929

00:40:52,299 --> 00:40:50,539

boot so this week let's have a bit of a

930

00:40:54,880 --> 00:40:52,309

laugh as we enter into the world of

931

00:40:58,930 --> 00:40:54,890

conspiracy theories subscribe to buy the

932

00:41:01,170 --> 00:40:58,940

anti-vaccine the first one being that

933

00:41:04,420 --> 00:41:01,180

swine flu is a synthetic virus

934

00:41:08,349 --> 00:41:04,430

manufactured by a secret Illuminati for

935

00:41:11,529 --> 00:41:08,359

the purposes of mass genocide this

936

00:41:13,359 --> 00:41:11,539

conspiracy theory goes like this the

937

00:41:16,029 --> 00:41:13,369

swine flu virus was apparently created

938

00:41:18,250 --> 00:41:16,039

in a laboratory to generate mass panic

939

00:41:21,339 --> 00:41:18,260

with a specific intention of forcing

940

00:41:23,440 --> 00:41:21,349

everyone to have the vaccine and this

941

00:41:24,760 --> 00:41:23,450

theory stems from a plot apparently

942

00:41:27,850 --> 00:41:24,770

uncovered by Austria

943

00:41:30,010 --> 00:41:27,860

and journalist Jane Burgermeister to

944

00:41:33,550 --> 00:41:30,020

cull the population with a deadly swine

945

00:41:35,850 --> 00:41:33,560

flu vaccine now Jane has apparently

946

00:41:38,350 --> 00:41:35,860

filed criminal charges with the FBI

947

00:41:42,190 --> 00:41:38,360

against the World Health Organization

948

00:41:43,560 --> 00:41:42,200

the United Nations Barack Obama a member

949

00:41:46,150 --> 00:41:43,570

of the Rockefeller and Rothschild

950

00:41:49,840 --> 00:41:46,160

families and other members of a

951
00:41:52,570 --> 00:41:49,850
worldwide Illuminati and Jane alleges

952
00:41:54,850 --> 00:41:52,580
that bird flu and swine flu have been

953
00:41:56,860 --> 00:41:54,860
developed in laboratories and released

954
00:42:00,460 --> 00:41:56,870
onto the public with the aim of mass

955
00:42:02,800 --> 00:42:00,470
murder through vaccination now

956
00:42:05,260 --> 00:42:02,810
apparently the overall aim of the

957
00:42:08,200 --> 00:42:05,270
Illuminati is to transfer control of the

958
00:42:11,140 --> 00:42:08,210
United States to the United Nations and

959
00:42:13,060 --> 00:42:11,150
affiliated security forces such as UN

960
00:42:16,870 --> 00:42:13,070
troops from countries such as China

961
00:42:19,090 --> 00:42:16,880
Canada the UK and Mexico now Jane

962
00:42:21,400 --> 00:42:19,100
Burgermeister has said that there is

963
00:42:23,800 --> 00:42:21,410

proof that many organizations such as

964

00:42:25,690 --> 00:42:23,810

the who the UN as well as the big

965

00:42:28,690 --> 00:42:25,700

pharmaceutical companies Baxter and

966

00:42:31,780 --> 00:42:28,700

Novartis a part of a single system under

967

00:42:33,850 --> 00:42:31,790

the control of a core criminal group who

968

00:42:35,550 --> 00:42:33,860

give the strategic leadership and who

969

00:42:38,320 --> 00:42:35,560

have also funded the development

970

00:42:40,630 --> 00:42:38,330

manufacture and release of artificial

971

00:42:43,570 --> 00:42:40,640

viruses in order to justify mass

972

00:42:45,820 --> 00:42:43,580

vaccinations with a bioweapons substance

973

00:42:48,970 --> 00:42:45,830

in order to eliminate the people of the

974

00:42:52,540 --> 00:42:48,980

USA and so gain control of the assets

975

00:42:54,610 --> 00:42:52,550

resources etc of North America now

976
00:42:57,040 --> 00:42:54,620
according to an entry posted last Sunday

977
00:42:59,590 --> 00:42:57,050
on Merrill dories blog a cabal of

978
00:43:02,620 --> 00:42:59,600
interbreeding families is seeking to

979
00:43:06,580 --> 00:43:02,630
impose a global fascist dictatorship of

980
00:43:08,140 --> 00:43:06,590
total human control now these families

981
00:43:11,770 --> 00:43:08,150
include the Rockefellers and the

982
00:43:14,320 --> 00:43:11,780
Rothschilds their vehicle is a secret

983
00:43:16,420 --> 00:43:14,330
society network with operational

984
00:43:19,000 --> 00:43:16,430
headquarters in Europe in places like

985
00:43:21,790 --> 00:43:19,010
rome london paris brussels and berlin

986
00:43:23,500 --> 00:43:21,800
now the Illuminati cable established

987
00:43:25,750 --> 00:43:23,510
global bodies like the World Health

988
00:43:28,060 --> 00:43:25,760

Organization the World Bank the World

989

00:43:30,700 --> 00:43:28,070

Trade Organization all designed to

990

00:43:32,890 --> 00:43:30,710

transfer power from the many to the few

991

00:43:35,200 --> 00:43:32,900

and their goal is apparently a world

992

00:43:38,200 --> 00:43:35,210

government a world central bank world

993

00:43:40,180 --> 00:43:38,210

currency and a world army and

994

00:43:42,970 --> 00:43:40,190

this web controls government's big

995

00:43:45,880 --> 00:43:42,980

pharmaceuticals the who public health

996

00:43:48,250 --> 00:43:45,890

protection agencies such as the CDC and

997

00:43:51,849 --> 00:43:48,260

other protection agencies in the United

998

00:43:55,540 --> 00:43:51,859

States in short they control the entire

999

00:43:57,579 --> 00:43:55,550

medical system now according to Jane the

1000

00:43:58,960 --> 00:43:57,589

swine flu virus was created and released

1001

00:44:00,910 --> 00:43:58,970

with help from the rothschild

1002

00:44:03,820 --> 00:44:00,920

rockefeller-controlled World Health

1003

00:44:05,730 --> 00:44:03,830

Organization on top of the plan for

1004

00:44:09,099 --> 00:44:05,740

maths culling of the global population

1005

00:44:12,280 --> 00:44:09,109

the Illuminati also planned to microchip

1006

00:44:14,079 --> 00:44:12,290

every man woman and child the microchips

1007

00:44:16,510 --> 00:44:14,089

will be delivered as part of the

1008

00:44:19,750 --> 00:44:16,520

vaccination and will allow everyone to

1009

00:44:22,320 --> 00:44:19,760

be tracked 24 7 manipulated mentally

1010

00:44:26,290 --> 00:44:22,330

emotionally and physically but also

1011

00:44:29,070 --> 00:44:26,300

terminated when desired wow this is

1012

00:44:31,420 --> 00:44:29,080

pretty crazy stuff so just to reiterate

1013

00:44:33,700 --> 00:44:31,430

Barack Obama is the head of an

1014

00:44:36,490 --> 00:44:33,710

Illuminati planning to kill the entire

1015

00:44:38,950 --> 00:44:36,500

population of the world via a three

1016

00:44:41,530 --> 00:44:38,960

pronged vaccination program which will

1017

00:44:43,120 --> 00:44:41,540

also inject us with microchips with the

1018

00:44:46,599 --> 00:44:43,130

aim of controlling the entire population

1019

00:44:48,940 --> 00:44:46,609

and killing us in a pinch the Merrill

1020

00:44:52,599 --> 00:44:48,950

dori did this about conspiracy theories

1021

00:44:54,880 --> 00:44:52,609

quote while we are already seen as rabid

1022

00:44:57,400 --> 00:44:54,890

idiotic fringe dwellers by so many in

1023

00:44:59,530 --> 00:44:57,410

the mainstream it does our argument no

1024

00:45:01,660 --> 00:44:59,540

good at all to bring in conspiracy

1025

00:45:05,320 --> 00:45:01,670

theories which though we may subscribe

1026

00:45:07,150 --> 00:45:05,330

to them are unprovable another plot

1027

00:45:10,320 --> 00:45:07,160

designed to assist in this mass genocide

1028

00:45:12,940 --> 00:45:10,330

via spread of swine flu is chemtrails

1029

00:45:14,680 --> 00:45:12,950

now apparently chemtrails are being

1030

00:45:17,500 --> 00:45:14,690

sprayed to compromise the immune system

1031

00:45:19,450 --> 00:45:17,510

as a method for later large-scale

1032

00:45:22,870 --> 00:45:19,460

infection of the population with swine

1033

00:45:25,720 --> 00:45:22,880

flu apparently an aerosol precursor of

1034

00:45:28,180 --> 00:45:25,730

swine flu which is then activated when

1035

00:45:29,890 --> 00:45:28,190

it comes in contact with the vaccine has

1036

00:45:31,720 --> 00:45:29,900

been put into the air and almost

1037

00:45:34,750 --> 00:45:31,730

everyone has breathed it into their

1038

00:45:37,180 --> 00:45:34,760

lungs chemtrails apparently are now

1039

00:45:39,130 --> 00:45:37,190

being frequently sprayed at the hours of

1040

00:45:41,500 --> 00:45:39,140

three to five in the morning with the

1041

00:45:44,680 --> 00:45:41,510

specific intention of compromising the

1042

00:45:46,570 --> 00:45:44,690

immune system and apparently sensitive

1043

00:45:50,710 --> 00:45:46,580

people will react with sore throats and

1044

00:45:51,490 --> 00:45:50,720

flu-like symptoms wait flu-like symptoms

1045

00:45:53,890 --> 00:45:51,500

you

1046

00:45:56,020 --> 00:45:53,900

mean like swine flu symptoms does this

1047

00:45:57,750 --> 00:45:56,030

does this mean the Illuminati are

1048

00:46:00,010 --> 00:45:57,760

controlling these planes as well

1049

00:46:01,930 --> 00:46:00,020

spraying us with their manufactured by a

1050

00:46:04,810 --> 00:46:01,940

terrorism to make us all slaves to the

1051
00:46:06,460 --> 00:46:04,820
vaccine do you think the chemtrail

1052
00:46:09,070 --> 00:46:06,470
people know that the swine flu people

1053
00:46:10,870 --> 00:46:09,080
have infiltrated them hang on I live

1054
00:46:13,060 --> 00:46:10,880
under the flight path really really

1055
00:46:15,670 --> 00:46:13,070
close to the airport oh that's it

1056
00:46:32,240 --> 00:46:15,680
I've got to go find my element oh good

1057
00:46:36,690 --> 00:46:35,130
hi I'm Jason and I'm Andrew from the

1058
00:46:39,480 --> 00:46:36,700
nonsense podcast bringing you a

1059
00:46:41,280 --> 00:46:39,490
skeptical overview of news religion and

1060
00:46:43,110 --> 00:46:41,290
all forms of pseudoscience we're

1061
00:46:44,640 --> 00:46:43,120
defending science and reason against the

1062
00:46:46,470 --> 00:46:44,650
onslaught of medical and spiritual

1063
00:46:48,540 --> 00:46:46,480

nonsense all week we are busy

1064

00:46:51,210 --> 00:46:48,550

researching and debunking pseudoscience

1065

00:46:53,070 --> 00:46:51,220

but on the seventh day we listened to

1066

00:46:56,280 --> 00:46:53,080

the skeptic zone check us out at

1067

00:47:02,940 --> 00:46:56,290

nonsense podcast libsyn com or search

1068

00:47:05,940 --> 00:47:02,950

for the nonsense podcast on itunes join

1069

00:47:16,220 --> 00:47:05,950

us now for drinking skeptically in the

1070

00:47:18,510 --> 00:47:16,230

think tank hello everybody clunk and

1071

00:47:20,910 --> 00:47:18,520

welcome again to the think tank i'll put

1072

00:47:24,810 --> 00:47:20,920

that carafe of wine down now I didn't

1073

00:47:26,820 --> 00:47:24,820

have a glass so I i'm actually using it

1074

00:47:28,650 --> 00:47:26,830

the clink that's all welcome again to

1075

00:47:31,050 --> 00:47:28,660

the think tank back in australia again

1076

00:47:33,300 --> 00:47:31,060

after our wonderful adventure in las

1077

00:47:36,240 --> 00:47:33,310

vegas which we went to discuss briefly

1078

00:47:38,610 --> 00:47:36,250

later on welcome to dr. rachy hi Richard

1079

00:47:41,160 --> 00:47:38,620

hello maybe a jet lag yet are you near

1080

00:47:42,660 --> 00:47:41,170

poor thing yeah I know it's tough this

1081

00:47:44,730 --> 00:47:42,670

international travel Iran's they give

1082

00:47:46,500 --> 00:47:44,740

are you over your jet lag what it like I

1083

00:47:49,800 --> 00:47:46,510

didn't have time to act it like ah there

1084

00:47:59,490 --> 00:47:49,810

you go Diane hello hi huge on over my

1085

00:48:01,320 --> 00:47:59,500

jet lag Joanne benim ooh hello Joanne I

1086

00:48:02,790 --> 00:48:01,330

which are you over your jet lag well you

1087

00:48:05,010 --> 00:48:02,800

know I travel from the other side of the

1088

00:48:08,120 --> 00:48:05,020

bridge to get here every every week so

1089

00:48:11,540 --> 00:48:08,130

you know I'm jet-lagged by the time I

1090

00:48:13,940 --> 00:48:11,550

very good now before I start a little

1091

00:48:16,140 --> 00:48:13,950

play I'll put out we're currently

1092

00:48:18,180 --> 00:48:16,150

collating some of the best interviews

1093

00:48:20,280 --> 00:48:18,190

from the skeptic zone weekend producing

1094

00:48:22,710 --> 00:48:20,290

a book which people can download or buy

1095

00:48:24,900 --> 00:48:22,720

from Lulu eventually if you'd like to

1096

00:48:26,370 --> 00:48:24,910

help us with that we need some people to

1097

00:48:27,630 --> 00:48:26,380

help transcribe some of the interviews

1098

00:48:29,820 --> 00:48:27,640

we've got a lot of help already but

1099

00:48:32,220 --> 00:48:29,830

there's quite a bit to do drop me a line

1100

00:48:33,460 --> 00:48:32,230

Richard at skeptic zone TV and in the

1101

00:48:36,339 --> 00:48:33,470

subject line

1102

00:48:38,109 --> 00:48:36,349

just put the word transcript and if you

1103

00:48:40,240 --> 00:48:38,119

can help us out we'll give you credit in

1104

00:48:41,890 --> 00:48:40,250

the book when it comes out we only need

1105

00:48:43,690 --> 00:48:41,900

people still about five minutes 25

1106

00:48:45,010 --> 00:48:43,700

minutes some people volunteered to do

1107

00:48:46,990 --> 00:48:45,020

whole interviews or 10 minutes so

1108

00:48:50,800 --> 00:48:47,000

whatever you can do would really

1109

00:48:52,180 --> 00:48:50,810

appreciate it there goes the machine in

1110

00:48:53,940 --> 00:48:52,190

the corner over there washing some

1111

00:48:57,359 --> 00:48:53,950

glasses I think here in the club and

1112

00:49:00,700 --> 00:48:57,369

also i'll quickly mention don't forget

1113

00:49:02,349 --> 00:49:00,710

in november this year in brisbane we

1114

00:49:04,960 --> 00:49:02,359

have the australian skeptics National

1115

00:49:09,930 --> 00:49:04,970

Convention and they've called that

1116

00:49:12,640 --> 00:49:09,940

breeze skeptic come on Brit skepticon

1117

00:49:14,770 --> 00:49:12,650

2009 that fast Richard I'm not going to

1118

00:49:22,800 --> 00:49:14,780

say it fun just give to come 2009 policy

1119

00:49:25,330 --> 00:49:22,810

Thank You Rachel that's the numbing alum

1120

00:49:28,270 --> 00:49:25,340

it's a lady walking paths with a plate

1121

00:49:31,240 --> 00:49:28,280

of food and she's beeping oh no Meah

1122

00:49:32,920 --> 00:49:31,250

lambda by now if you'd like to find out

1123

00:49:37,450 --> 00:49:32,930

more about the Australian skeptics

1124

00:49:39,760 --> 00:49:37,460

National Convention Brisbane at 26 27

1125

00:49:42,960 --> 00:49:39,770

and 28 or at least that around that time

1126

00:49:46,990 --> 00:49:42,970

november this year please go to ww

1127

00:49:48,940 --> 00:49:47,000

skeptics Comte you and find out more

1128

00:49:50,770 --> 00:49:48,950

about our national convention won't that

1129

00:49:53,560 --> 00:49:50,780

be exciting dr. AG it will be exciting

1130

00:49:55,420 --> 00:49:53,570

cuz I'm doing a talk and I think you and

1131

00:49:57,849 --> 00:49:55,430

I are doing something for the Zoners

1132

00:49:58,990 --> 00:49:57,859

probably absolutely yeah yeah dr. Karl

1133

00:50:01,660 --> 00:49:59,000

cruising whiskey is going to be there

1134

00:50:03,550 --> 00:50:01,670

here's yes Carl's great yeah he's doing

1135

00:50:05,740 --> 00:50:03,560

in the keynote speech Ashley homeless

1136

00:50:07,960 --> 00:50:05,750

Saturday so yeah should be great fun and

1137

00:50:10,120 --> 00:50:07,970

a big thank you to dr. Rob Morrison who

1138

00:50:12,250 --> 00:50:10,130

came to speak to us here in Sydney just

1139

00:50:14,500 --> 00:50:12,260

this last weekend I love rob morris

1140

00:50:15,940 --> 00:50:14,510

wasn't he great so fantastic we

1141

00:50:17,440 --> 00:50:15,950

interviewed him a few months ago he's

1142

00:50:19,900 --> 00:50:17,450

the guy from the curiosity show of

1143

00:50:22,210 --> 00:50:19,910

course have a whole talk about optical

1144

00:50:24,670 --> 00:50:22,220

illusions it was actually really

1145

00:50:26,260 --> 00:50:24,680

interesting talk it was also that he had

1146

00:50:29,800 --> 00:50:26,270

a fair bit of information about the

1147

00:50:32,530 --> 00:50:29,810

physiology behind illusions or in fact

1148

00:50:33,910 --> 00:50:32,540

how they work most on physiology looking

1149

00:50:37,079 --> 00:50:33,920

at the colors that the rods and cones

1150

00:50:39,490 --> 00:50:37,089

pick up in your eyes and exploiting that

1151
00:50:42,280 --> 00:50:39,500
224 Malaysians and he did quite a few

1152
00:50:43,660 --> 00:50:42,290
illusions on us where he have his

1153
00:50:45,370 --> 00:50:43,670
powerpoint presentation and show

1154
00:50:47,259 --> 00:50:45,380
something on the screen and get us to

1155
00:50:48,909 --> 00:50:47,269
stare until is it we exhaust

1156
00:50:51,519 --> 00:50:48,919
parts of our eyes and then flick to

1157
00:50:53,739 --> 00:50:51,529
another blank slide and you'd see

1158
00:50:55,449 --> 00:50:53,749
something on back of your retina colors

1159
00:50:57,729 --> 00:50:55,459
would change really amazing stuff me

1160
00:51:00,219 --> 00:50:57,739
what I found most fascinating about this

1161
00:51:03,009 --> 00:51:00,229
talk was that you know we have usually

1162
00:51:05,259 --> 00:51:03,019
the skeptics dinners we have one dinner

1163
00:51:08,349 --> 00:51:05,269

a year whether it's magicians there were

1164

00:51:10,899 --> 00:51:08,359

more booze and arms it was show any of

1165

00:51:12,669 --> 00:51:10,909

the magic shows that there was and it

1166

00:51:15,759 --> 00:51:12,679

was there were a few kids in the in the

1167

00:51:18,189 --> 00:51:15,769

audience and he was a wonderful to see

1168

00:51:20,559 --> 00:51:18,199

how he explains at a level at a very

1169

00:51:23,259 --> 00:51:20,569

high level the level where requires

1170

00:51:25,719 --> 00:51:23,269

understanding physiology yet was it was

1171

00:51:27,370 --> 00:51:25,729

well enough phrased it was it was done

1172

00:51:30,609 --> 00:51:27,380

in a way which they which the kids

1173

00:51:33,339 --> 00:51:30,619

probably early early teens who found

1174

00:51:36,789 --> 00:51:33,349

very easy to relate absolutely now we've

1175

00:51:39,219 --> 00:51:36,799

had a little talk and at this stage of

1176

00:51:42,909 --> 00:51:39,229

the game were hopeful that we can ask

1177

00:51:46,449 --> 00:51:42,919

dr. Rob to come and speak for us at our

1178

00:51:48,009 --> 00:51:46,459

convention next year 2010 2010 when and

1179

00:51:50,259 --> 00:51:48,019

will certainly be letting everybody know

1180

00:51:51,939 --> 00:51:50,269

a lot more about that very exciting

1181

00:51:53,379 --> 00:51:51,949

convention but it's a bit of a long way

1182

00:51:54,969 --> 00:51:53,389

off at them and it's the one with su

1183

00:51:56,949 --> 00:51:54,979

we've definitely got yes we definitely

1184

00:51:58,809 --> 00:51:56,959

got s to you and this we probably hope

1185

00:52:00,549 --> 00:51:58,819

to announce some very big news about

1186

00:52:02,829 --> 00:52:00,559

that before long but don't worry

1187

00:52:05,589 --> 00:52:02,839

everybody you've got worried about a

1188

00:52:09,249 --> 00:52:05,599

year and a half to save up to come to

1189

00:52:11,319 --> 00:52:09,259

Australia and it'll be fantastic now let

1190

00:52:16,059 --> 00:52:11,329

me switch over to you Joe because I know

1191

00:52:17,859 --> 00:52:16,069

you've got a fistful of pages there yes

1192

00:52:19,870 --> 00:52:17,869

I picked up a few bits and pieces over

1193

00:52:21,789 --> 00:52:19,880

their lust well actually it hasn't been

1194

00:52:23,349 --> 00:52:21,799

very well what's amazing how much stuff

1195

00:52:27,639 --> 00:52:23,359

you can find out there in a matter of

1196

00:52:31,689 --> 00:52:27,649

days yeah well got a few things actually

1197

00:52:33,269 --> 00:52:31,699

one of them I've come from America but I

1198

00:52:35,499 --> 00:52:33,279

thought it was quite timely because

1199

00:52:37,089 --> 00:52:35,509

health care reform something that's

1200

00:52:40,329 --> 00:52:37,099

quite topical here in Australia at the

1201
00:52:42,370 --> 00:52:40,339
moment and I thought it was quite

1202
00:52:45,129 --> 00:52:42,380
interesting the Boston Globe and the

1203
00:52:47,739 --> 00:52:45,139
Wall Street Journal had both published a

1204
00:52:50,589 --> 00:52:47,749
couple of articles about some a bill

1205
00:52:53,139 --> 00:52:50,599
that's being proposed by a Democratic

1206
00:52:58,049 --> 00:52:53,149
senator by the name of Tom Harkin from

1207
00:53:00,430 --> 00:52:58,059
Iowa he's putting forward a bill to

1208
00:53:03,220 --> 00:53:00,440
prevent discrimination

1209
00:53:07,000 --> 00:53:03,230
of alternative health practitioners by

1210
00:53:09,099 --> 00:53:07,010
insurance companies in other words at

1211
00:53:11,069 --> 00:53:09,109
present and I think I think we've got a

1212
00:53:13,300 --> 00:53:11,079
fairly similar system here at present

1213
00:53:15,910 --> 00:53:13,310

people like chiropractors and

1214

00:53:17,859 --> 00:53:15,920

acupuncturists and so on get a certain

1215

00:53:19,059 --> 00:53:17,869

amount of coverage under yeah under

1216

00:53:20,950 --> 00:53:19,069

health insurance and what they're

1217

00:53:22,720 --> 00:53:20,960

proposing is that there would be the

1218

00:53:25,420 --> 00:53:22,730

equivalent coverage given to these

1219

00:53:28,660 --> 00:53:25,430

practitioners as medical doctors would

1220

00:53:30,640 --> 00:53:28,670

be getting and I just think this is

1221

00:53:33,069 --> 00:53:30,650

quite worrying and in fact what was

1222

00:53:35,620 --> 00:53:33,079

great was that dr. Harriet Hall who some

1223

00:53:37,660 --> 00:53:35,630

people might not from yes get doc who

1224

00:53:40,420 --> 00:53:37,670

some people might know saw her in Las

1225

00:53:42,550 --> 00:53:40,430

Vegas I lovely lady like she would have

1226

00:53:45,700 --> 00:53:42,560

been in town she's quoted in the article

1227

00:53:47,440 --> 00:53:45,710

and she says that she's concede that LLL

1228

00:53:49,150 --> 00:53:47,450

inform members of Congress will elevate

1229

00:53:52,210 --> 00:53:49,160

practitioners of alternative medicine to

1230

00:53:55,569 --> 00:53:52,220

the same level as medical doctors and as

1231

00:53:57,010 --> 00:53:55,579

we have often said in other way she says

1232

00:53:59,430 --> 00:53:57,020

if we were shown to be truly effective

1233

00:54:02,170 --> 00:53:59,440

it would be part of regular medicine and

1234

00:54:04,240 --> 00:54:02,180

that's something that you know is really

1235

00:54:07,480 --> 00:54:04,250

a great concern and I think we should

1236

00:54:09,309 --> 00:54:07,490

really be aware of similar things that

1237

00:54:10,960 --> 00:54:09,319

could potentially happen here in

1238

00:54:14,559 --> 00:54:10,970

Australia absolute motivation for this

1239

00:54:18,250 --> 00:54:14,569

well i'm not mistaken Senator Harkin has

1240

00:54:20,500 --> 00:54:18,260

has already been being the initiator of

1241

00:54:22,210 --> 00:54:20,510

other piece of legislation around that

1242

00:54:24,579 --> 00:54:22,220

is not for summer remember hearing his

1243

00:54:27,010 --> 00:54:24,589

name mm-hmm the past with relation that

1244

00:54:29,349 --> 00:54:27,020

he's obviously a true believer days what

1245

00:54:33,099 --> 00:54:29,359

an agenda yeah he historically has

1246

00:54:34,780 --> 00:54:33,109

pushed this kind of bill before and did

1247

00:54:37,720 --> 00:54:34,790

where did you discover this information

1248

00:54:40,569 --> 00:54:37,730

well this came from the Boston Boston

1249

00:54:42,130 --> 00:54:40,579

Globe website which is Boston calm and

1250

00:54:44,079 --> 00:54:42,140

there's also another one from the wall

1251
00:54:45,790 --> 00:54:44,089
street journal as well right and so

1252
00:54:47,680 --> 00:54:45,800
there's a couple of news outlets that

1253
00:54:49,390 --> 00:54:47,690
are talking about it but I mean it's

1254
00:54:50,530 --> 00:54:49,400
really there's such a big health care

1255
00:54:54,460 --> 00:54:50,540
reform going on in the States at the

1256
00:54:57,339 --> 00:54:54,470
moment and you know the the agenda that

1257
00:54:59,829 --> 00:54:57,349
that will let the agenda the the the the

1258
00:55:03,010 --> 00:54:59,839
theme they're pushing this along with is

1259
00:55:04,480 --> 00:55:03,020
that by covering alternative therapies

1260
00:55:06,490 --> 00:55:04,490
that it will somehow relieve the burden

1261
00:55:08,650 --> 00:55:06,500
of convention that conventional medicine

1262
00:55:11,349 --> 00:55:08,660
is placing the financial burden that

1263
00:55:12,970 --> 00:55:11,359

conventional medicine takes up that

1264

00:55:13,930 --> 00:55:12,980

somehow they will be saving tens of

1265

00:55:15,819 --> 00:55:13,940

billions of dollars

1266

00:55:17,890 --> 00:55:15,829

by covering alternative therapies

1267

00:55:19,720 --> 00:55:17,900

instead of conventional remedy

1268

00:55:22,329 --> 00:55:19,730

conventional therapies I think it'll

1269

00:55:26,470 --> 00:55:22,339

actually d values those professions and

1270

00:55:30,069 --> 00:55:26,480

physiotherapists exactly really do value

1271

00:55:31,210 --> 00:55:30,079

hmm hmm you know something a little bit

1272

00:55:33,339 --> 00:55:31,220

about that Diane I guess in your

1273

00:55:34,780 --> 00:55:33,349

possession especially with oh my

1274

00:55:37,270 --> 00:55:34,790

registered physiotherapist in New South

1275

00:55:42,190 --> 00:55:37,280

Wales and when I interrupt my back's

1276

00:55:44,109 --> 00:55:42,200

much better now I think that when a

1277

00:55:47,290 --> 00:55:44,119

chiropractor and a physiotherapist have

1278

00:55:50,349 --> 00:55:47,300

the same insurance in the same level of

1279

00:55:53,530 --> 00:55:50,359

I guess responsibility and registration

1280

00:55:55,000 --> 00:55:53,540

it shows that that they are very similar

1281

00:55:56,680 --> 00:55:55,010

in a way and they're not because

1282

00:55:58,349 --> 00:55:56,690

physiotherapist focus a lot more on

1283

00:56:01,000 --> 00:55:58,359

evidence-based medicine and treatment

1284

00:56:04,870 --> 00:56:01,010

modalities impaired to chiropractors I

1285

00:56:06,370 --> 00:56:04,880

think in the population is then they

1286

00:56:08,440 --> 00:56:06,380

also seen as equal whereas I think

1287

00:56:10,240 --> 00:56:08,450

they're not but actually I don't think

1288

00:56:14,260 --> 00:56:10,250

that they have the same responsibilities

1289

00:56:17,109 --> 00:56:14,270

I think they will have the same benefits

1290

00:56:18,550 --> 00:56:17,119

of being able to claim for the patients

1291

00:56:20,589 --> 00:56:18,560

to be able to claim from insurance but I

1292

00:56:23,829 --> 00:56:20,599

think in terms of the responsibilities

1293

00:56:26,140 --> 00:56:23,839

um I don't think they are the same I'm

1294

00:56:28,240 --> 00:56:26,150

not sure insurance claims against

1295

00:56:29,559 --> 00:56:28,250

chiropractors or other alternative

1296

00:56:32,170 --> 00:56:29,569

practitioners will be treated in the

1297

00:56:37,450 --> 00:56:32,180

same way hmm it's not a level playing

1298

00:56:40,900 --> 00:56:37,460

field at all no it's not it's like what

1299

00:56:43,480 --> 00:56:40,910

Simon Singh says you have to actually be

1300

00:56:45,250 --> 00:56:43,490

registered to treat animals in the hay

1301
00:56:47,200 --> 00:56:45,260
but if you want to turn humans you can

1302
00:56:49,690 --> 00:56:47,210
just put up a post on your door tomorrow

1303
00:56:53,290 --> 00:56:49,700
and there's no problem exactly and in

1304
00:56:56,380 --> 00:56:53,300
fact you know in in in Simon Singh and

1305
00:56:58,630 --> 00:56:56,390
Ed's out its excellent book trick or

1306
00:57:03,190 --> 00:56:58,640
treatment they talked extensively about

1307
00:57:06,520 --> 00:57:03,200
the the issues of evidence and the fact

1308
00:57:08,740 --> 00:57:06,530
that you know what a person may pay for

1309
00:57:10,089 --> 00:57:08,750
treatment from an alternative health

1310
00:57:14,470 --> 00:57:10,099
practitioner where what they're getting

1311
00:57:18,000 --> 00:57:14,480
is effectively placebo can often run

1312
00:57:21,670 --> 00:57:18,010
into you know thousands of dollars and

1313
00:57:23,140 --> 00:57:21,680

you know using a financial incentive to

1314

00:57:26,230 --> 00:57:23,150

back something like this I don't think

1315

00:57:27,340 --> 00:57:26,240

is valid at all just you've just

1316

00:57:28,930 --> 00:57:27,350

reminded me actually

1317

00:57:32,560 --> 00:57:28,940

chillin Simon Singh this amuse about

1318

00:57:33,970 --> 00:57:32,570

Simon Singh Rachel yes people who know

1319

00:57:36,400 --> 00:57:33,980

about the British Chiropractic

1320

00:57:38,350 --> 00:57:36,410

Association suing Simon for libel will

1321

00:57:39,700 --> 00:57:38,360

know that it was the whole case is based

1322

00:57:42,160 --> 00:57:39,710

around an article he wrote in The

1323

00:57:45,520 --> 00:57:42,170

Guardian called beware the spinal trap

1324

00:57:47,380 --> 00:57:45,530

back in 2008 and this is what catalyzed

1325

00:57:50,830 --> 00:57:47,390

the whole series of events that has now

1326

00:57:54,060 --> 00:57:50,840

led to Simon appealing the case on the

1327

00:57:58,510 --> 00:57:54,070

twenty-ninth of July sense about science

1328

00:58:00,070 --> 00:57:58,520

decided to repost the article from The

1329

00:58:02,620 --> 00:58:00,080

Guardian with the libelous sentence

1330

00:58:07,410 --> 00:58:02,630

removed and they've organized a campaign

1331

00:58:09,910 --> 00:58:07,420

with what sorry alleged Lyme incentives

1332

00:58:11,440 --> 00:58:09,920

they organized a campaign whereby they

1333

00:58:13,180 --> 00:58:11,450

emailed lots and lots of bloggers from

1334

00:58:15,930 --> 00:58:13,190

around the globe and they put an embargo

1335

00:58:22,060 --> 00:58:15,940

on the reprinting of the article until

1336

00:58:25,150 --> 00:58:22,070

0001 2907 and so now you're able to read

1337

00:58:27,010 --> 00:58:25,160

it anywhere you like if you just google

1338

00:58:30,480 --> 00:58:27,020

it i know that i've blogged it on

1339

00:58:33,040 --> 00:58:30,490

skeptics book around it on the on this

1340

00:58:34,600 --> 00:58:33,050

skeptics condo to you website yes well

1341

00:58:36,820 --> 00:58:34,610

there's a limited you know there is

1342

00:58:40,030 --> 00:58:36,830

indeed in fact there's a link to your

1343

00:58:41,830 --> 00:58:40,040

blog is that okay yeah yeah yep so

1344

00:58:43,180 --> 00:58:41,840

people can read easily is it will appear

1345

00:58:45,880 --> 00:58:43,190

everywhere everywhere will be everywhere

1346

00:58:47,530 --> 00:58:45,890

yeah and this is I think you know a

1347

00:58:49,630 --> 00:58:47,540

little bit about this too but I think it

1348

00:58:51,340 --> 00:58:49,640

was just done so that people could

1349

00:58:53,380 --> 00:58:51,350

actually see what it was that they

1350

00:58:56,380 --> 00:58:53,390

catalyze the campaign is that right yes

1351
00:58:57,940 --> 00:58:56,390
and there's some argument that it might

1352
00:59:00,970 --> 00:58:57,950
have been okay to actually publish the

1353
00:59:03,690 --> 00:59:00,980
original article that they could have

1354
00:59:08,200 --> 00:59:03,700
called it could have harmed Simon's news

1355
00:59:09,880 --> 00:59:08,210
also it was decided to put slightly

1356
00:59:12,580 --> 00:59:09,890
edited the modifications are very small

1357
00:59:14,590 --> 00:59:12,590
yeah it's essentially the same article

1358
00:59:16,510 --> 00:59:14,600
yeah oh it's not only one sentence

1359
00:59:17,740 --> 00:59:16,520
that's been removed but these it's quite

1360
00:59:19,990 --> 00:59:17,750
short though the articles is

1361
00:59:28,089 --> 00:59:20,000
surprisingly short it's always it's as

1362
00:59:35,180 --> 00:59:30,830
alright so listeners can go to skeptics

1363
00:59:37,700 --> 00:59:35,190

com au or indeed if they look up or

1364

00:59:40,010 --> 00:59:37,710

skeptics book calm skeptics book.com all

1365

00:59:42,620 --> 00:59:40,020

again I link to me many many different

1366

00:59:44,750 --> 00:59:42,630

places all right we'll cross over to the

1367

00:59:47,030 --> 00:59:44,760

other side of the table with Joe shuffle

1368

00:59:49,520 --> 00:59:47,040

your papers and you come up with another

1369

00:59:51,320 --> 00:59:49,530

fascinating story but this this is

1370

00:59:52,370 --> 00:59:51,330

actually funnily enough many of the

1371

00:59:54,950 --> 00:59:52,380

things I've been looking at recently

1372

00:59:58,250 --> 00:59:54,960

have been prompted by the book trick or

1373

01:00:03,349 --> 00:59:58,260

treatment and one of them was the issue

1374

01:00:06,980 --> 01:00:03,359

of university education and I came

1375

01:00:08,960 --> 01:00:06,990

across this article about a medical one

1376

01:00:11,680 --> 01:00:08,970

of the medical degrees in the UK and

1377

01:00:15,589 --> 01:00:11,690

this is actually published in the

1378

01:00:17,450 --> 01:00:15,599

homeopathy journal this year and it's

1379

01:00:19,370 --> 01:00:17,460

called in at the deep end and intensive

1380

01:00:22,790 --> 01:00:19,380

foundation training and homeopathy for

1381

01:00:25,070 --> 01:00:22,800

medical students and one of the

1382

01:00:29,630 --> 01:00:25,080

universities in the UK the University of

1383

01:00:33,140 --> 01:00:29,640

Bristol as part of their curriculum for

1384

01:00:36,010 --> 01:00:33,150

their medical students carry appear what

1385

01:00:39,050 --> 01:00:36,020

they're reporting on in this article is

1386

01:00:42,050 --> 01:00:39,060

seventy-five percent of their curriculum

1387

01:00:44,180 --> 01:00:42,060

time is spent on medical training and

1388

01:00:47,329 --> 01:00:44,190

twenty five percent is on effectively

1389

01:00:49,640 --> 01:00:47,339

electives and this particular article is

1390

01:00:51,589 --> 01:00:49,650

about an elective which they are

1391

01:00:53,750 --> 01:00:51,599

providing in homeopathic medicine as

1392

01:00:55,460 --> 01:00:53,760

part of a medical degree and hope you

1393

01:00:58,490 --> 01:00:55,470

perfectly homeopathic medicine whatever

1394

01:01:02,180 --> 01:00:58,500

and I Mia pathak medicine strikes me as

1395

01:01:04,910 --> 01:01:02,190

and that's good Leslie that's what we

1396

01:01:09,349 --> 01:01:04,920

get is an oxymoron yeah exactly um

1397

01:01:10,880 --> 01:01:09,359

anyway they had they were really that in

1398

01:01:13,670 --> 01:01:10,890

writing this article they were talking

1399

01:01:16,880 --> 01:01:13,680

about education and and a lot of it was

1400

01:01:20,410 --> 01:01:16,890

just about education models but what was

1401

01:01:22,250 --> 01:01:20,420

I guess worrying was that there were

1402

01:01:26,420 --> 01:01:22,260

they've run it over a number of years

1403

01:01:30,079 --> 01:01:26,430

and they they got these medical students

1404

01:01:31,880 --> 01:01:30,089

to write Diaries about their experiences

1405

01:01:34,310 --> 01:01:31,890

and I have to say that you know in

1406

01:01:37,550 --> 01:01:34,320

reading about whom it the sort of

1407

01:01:44,520 --> 01:01:42,420

what's the word nonsense I'm struggling

1408

01:01:47,250 --> 01:01:44,530

to haul but with enough word your boy oh

1409

01:01:48,450 --> 01:01:47,260

yeah just everything dissemination up

1410

01:01:50,250 --> 01:01:48,460

everything that's the basis of

1411

01:01:52,620 --> 01:01:50,260

homeopathy and we're in reading about

1412

01:01:54,900 --> 01:01:52,630

that I felt like I was I actually felt a

1413

01:01:57,990 --> 01:01:54,910

bit bonkers but doesn't it don't they

1414

01:01:59,700 --> 01:01:58,000

use like scientific words no they don't

1415

01:02:01,890 --> 01:01:59,710

you solve even guys we're not in

1416

01:02:04,260 --> 01:02:01,900

scientific words that best sort of bet

1417

01:02:06,150 --> 01:02:04,270

then just feel like made up words yeah

1418

01:02:12,180 --> 01:02:06,160

well I made up a lot of things on it oh

1419

01:02:15,180 --> 01:02:12,190

god Samuel Hahnemann see really big

1420

01:02:16,830 --> 01:02:15,190

fallen what are you doing here Samuel

1421

01:02:20,550 --> 01:02:16,840

well I just thought I tell you I made up

1422

01:02:23,370 --> 01:02:20,560

on these ribs and it has a good fan of

1423

01:02:27,560 --> 01:02:23,380

the time I feel like a really sort of

1424

01:02:29,940 --> 01:02:27,570

high fantasy i feel it's quite strange

1425

01:02:33,150 --> 01:02:29,950

that's not in your favorite so you'll do

1426

01:02:36,660 --> 01:02:33,160

you like the cafeteria medic I put all

1427

01:02:38,460 --> 01:02:36,670

these roads into a high I mix them up

1428

01:02:47,760 --> 01:02:38,470

and I took the matter since the cash you

1429

01:02:49,020 --> 01:02:47,770

know that's a good one anyway there's a

1430

01:02:52,040 --> 01:02:49,030

couple of quotes from some of the

1431

01:02:57,330 --> 01:02:52,050

medical students who did this course and

1432

01:03:00,120 --> 01:02:57,340

one of them says let me find the right

1433

01:03:01,620 --> 01:03:00,130

quote my opinion has been changed

1434

01:03:03,600 --> 01:03:01,630

dramatically on our field at homeopathy

1435

01:03:06,480 --> 01:03:03,610

has a large role to play in health care

1436

01:03:08,400 --> 01:03:06,490

I feel that it is a shame that it has so

1437

01:03:10,950 --> 01:03:08,410

much attack when it is beneficial for

1438

01:03:12,570 --> 01:03:10,960

many and then another one says even if

1439

01:03:14,070 --> 01:03:12,580

the tablets have no effect in the power

1440

01:03:15,930 --> 01:03:14,080

of homeopathy lies solely in the

1441

01:03:17,790 --> 01:03:15,940

consultation process this is only

1442

01:03:19,860 --> 01:03:17,800

testimony to the power of human kindness

1443

01:03:21,510 --> 01:03:19,870

and not something to be taken lightly or

1444

01:03:24,510 --> 01:03:21,520

dismissed in a randomized controlled

1445

01:03:26,670 --> 01:03:24,520

trial I wish the species diana's the

1446

01:03:28,560 --> 01:03:26,680

nervous isn't about you and he's about

1447

01:03:33,420 --> 01:03:28,570

to faint she's gone my niche has gone

1448

01:03:36,320 --> 01:03:33,430

bright reddish you might be Steve Steve

1449

01:03:39,240 --> 01:03:36,330

novella spoke about this trial for

1450

01:03:40,790 --> 01:03:39,250

acupuncture did you get visit his

1451

01:03:43,460 --> 01:03:40,800

workshop on

1452

01:03:47,750 --> 01:03:43,470

alternative medicine peaked he was full

1453

01:03:53,390 --> 01:03:47,760

yeah went for about an hour used abused

1454

01:03:55,490 --> 01:03:53,400

my press pass and user press but so that

1455

01:03:57,800 --> 01:03:55,500

he was talking about he was talking

1456

01:03:59,720 --> 01:03:57,810

about this study that was done about

1457

01:04:02,360 --> 01:03:59,730

acupuncture we're basically they showed

1458

01:04:04,760 --> 01:04:02,370

that acupuncture real acupuncture is

1459

01:04:10,100 --> 01:04:04,770

such a thing sham acupuncture which is

1460

01:04:13,490 --> 01:04:10,110

done by using basically using pins but

1461

01:04:16,910 --> 01:04:13,500

that do not penetrate the skin yeah and

1462

01:04:20,870 --> 01:04:16,920

another okay acupuncture that uses it

1463

01:04:23,210 --> 01:04:20,880

would do a random look at other places

1464

01:04:24,860 --> 01:04:23,220

and there was also one controller it was

1465

01:04:26,840 --> 01:04:24,870

generally they did had nothing and they

1466

01:04:29,360 --> 01:04:26,850

basically all of the groups that had

1467

01:04:31,580 --> 01:04:29,370

some kind of treatment it would did

1468

01:04:34,940 --> 01:04:31,590

better than the control group and they

1469

01:04:37,970 --> 01:04:34,950

did same so basically you know it was

1470

01:04:39,830 --> 01:04:37,980

Masebo quite clearly placebo yeah but

1471

01:04:43,940 --> 01:04:39,840

the way came out from the researchers

1472

01:04:46,250 --> 01:04:43,950

was that even sham even shall like you

1473

01:04:49,400 --> 01:04:46,260

better works like the Occupy she is so

1474

01:04:51,860 --> 01:04:49,410

good even shower let's say so it's nice

1475

01:04:53,000 --> 01:04:51,870

and you know you can but although I

1476

01:04:56,000 --> 01:04:53,010

agree young me up with is different

1477

01:04:57,950 --> 01:04:56,010

because we do need homeopathy oh my god

1478

01:05:00,530 --> 01:04:57,960

it's cheaper than normal men because

1479

01:05:02,390 --> 01:05:00,540

we've seventy percent water so yeah are

1480

01:05:07,120 --> 01:05:02,400

we doing a you're right we didn't drink

1481

01:05:09,260 --> 01:05:07,130

yeah oh speaking of which Cheers mm-hmm

1482

01:05:11,030 --> 01:05:09,270

actually that's interesting Joe because

1483

01:05:13,850 --> 01:05:11,040

i was sent an article today by a

1484

01:05:16,160 --> 01:05:13,860

listener in fact about the use of

1485

01:05:17,840 --> 01:05:16,170

alternative therapies in conjunction

1486

01:05:20,450 --> 01:05:17,850

with conventional medicine it was this

1487

01:05:23,690 --> 01:05:20,460

is from the advertiser from july the

1488

01:05:26,810 --> 01:05:23,700

29th few days ago where's the advertiser

1489

01:05:28,310 --> 01:05:26,820

it's in a delay it alone yes i listened

1490

01:05:30,530 --> 01:05:28,320

it by the name of clinton sent meters

1491

01:05:32,960 --> 01:05:30,540

today it's entitled therapies of what

1492

01:05:34,550 --> 01:05:32,970

the doctor ordered and it's saying that

1493

01:05:36,860 --> 01:05:34,560

there are now cancer doctors that are

1494

01:05:38,090 --> 01:05:36,870

urging patience to take up complementary

1495

01:05:40,880 --> 01:05:38,100

medicines in addition to their

1496

01:05:42,680 --> 01:05:40,890

conventional treatment and this is

1497

01:05:44,660 --> 01:05:42,690

because they say that these soothing

1498

01:05:46,540 --> 01:05:44,670

therapies are said to help with side

1499

01:05:50,750 --> 01:05:46,550

effects such as pain nausea vomiting

1500

01:05:52,580 --> 01:05:50,760

fatigue and psychological distress and

1501

01:05:55,300 --> 01:05:52,590

yeah a nun help with over

1502

01:05:58,100 --> 01:05:55,310

what's that side effects cold this

1503

01:05:59,690 --> 01:05:58,110

doesn't help with that no I know that

1504

01:06:01,100 --> 01:05:59,700

marijuana is actually very effective so

1505

01:06:03,080 --> 01:06:01,110

you can't actually prescribe marijuana

1506

01:06:06,430 --> 01:06:03,090

because to leave the drug but you can

1507

01:06:09,410 --> 01:06:06,440

prescribe homeopathy which doesn't work

1508

01:06:12,020 --> 01:06:09,420

that's pretty screwed assess the

1509

01:06:14,450 --> 01:06:12,030

efficacy for marijuana with nausea is

1510

01:06:17,260 --> 01:06:14,460

really strong that the evidence is

1511

01:06:20,900 --> 01:06:17,270

really strong yeah and also also lame

1512

01:06:23,420 --> 01:06:20,910

some people also makes them want to eat

1513

01:06:25,990 --> 01:06:23,430

more hungry yeah so it's used in

1514

01:06:28,820 --> 01:06:26,000

late-stage AIDS isn't it Joe some cases

1515

01:06:31,910 --> 01:06:28,830

no more coming normal you don't need

1516

01:06:34,370 --> 01:06:31,920

that it's in full-blown AIDS some people

1517

01:06:36,260 --> 01:06:34,380

I wasn't aware describe tomorrow wanna

1518

01:06:37,490 --> 01:06:36,270

to increase their appetite Kenny in

1519

01:06:40,070 --> 01:06:37,500

Australia can you prescribe marijuana

1520

01:06:41,690 --> 01:06:40,080

legal I don't know yeah I think you I

1521

01:06:44,210 --> 01:06:41,700

thought you think we can better cool

1522

01:06:46,640 --> 01:06:44,220

medical marijuana do you suppose I did

1523

01:06:48,230 --> 01:06:46,650

good I don't think you can either I know

1524

01:06:53,570 --> 01:06:48,240

in the Netherlands you can but not

1525

01:06:54,970 --> 01:06:53,580

industry what is it stronger it will get

1526

01:06:56,990 --> 01:06:54,980

it from the doctor you can't actually

1527

01:06:58,640 --> 01:06:57,000

necklace you can actually go to the farm

1528

01:07:02,000 --> 01:06:58,650

soon you get higher grade marijuana then

1529

01:07:04,820 --> 01:07:02,010

you can just buy can I just go back to

1530

01:07:06,290 --> 01:07:04,830

the year that article again I just

1531

01:07:09,380 --> 01:07:06,300

wanted to refer back something we spoke

1532

01:07:11,540 --> 01:07:09,390

about on a previous some think tank a

1533

01:07:13,820 --> 01:07:11,550

few weeks ago we were talking about I

1534

01:07:16,490 --> 01:07:13,830

think it was during the all-female think

1535

01:07:19,670 --> 01:07:16,500

tank we're talking about there's another

1536

01:07:21,080 --> 01:07:19,680

one is coming up by the way selectors we

1537

01:07:23,330 --> 01:07:21,090

were talking about medical training and

1538

01:07:24,680 --> 01:07:23,340

we're talking about critical thinking in

1539

01:07:27,740 --> 01:07:24,690

the different health care professions

1540

01:07:31,610 --> 01:07:27,750

and I thought that this this particular

1541

01:07:34,880 --> 01:07:31,620

article was just demonstrated that you

1542

01:07:37,820 --> 01:07:34,890

know it really is not a rule that

1543

01:07:39,260 --> 01:07:37,830

everyone who has particular training is

1544

01:07:42,530 --> 01:07:39,270

going to come out as a critical thinker

1545

01:07:44,690 --> 01:07:42,540

or with a scientific way of looking at

1546

01:07:47,480 --> 01:07:44,700

the world so you know clearly these

1547

01:07:49,490 --> 01:07:47,490

these medical students who went to this

1548

01:07:53,930 --> 01:07:49,500

university and were exposed to this

1549

01:07:56,510 --> 01:07:53,940

homeopathic training when if this was

1550

01:07:59,630 --> 01:07:56,520

how they came out of it they either were

1551

01:08:02,930 --> 01:07:59,640

really not given a good understanding of

1552

01:08:04,340 --> 01:08:02,940

what nonsense it is or whatever medical

1553

01:08:05,780 --> 01:08:04,350

training it is that they're having is

1554

01:08:07,460 --> 01:08:05,790

not equipping them with the crew

1555

01:08:09,350 --> 01:08:07,470

thinking skills to look at what they're

1556

01:08:11,780 --> 01:08:09,360

being taught because I find it quite

1557

01:08:13,070 --> 01:08:11,790

worrying that any any future doctor will

1558

01:08:14,440 --> 01:08:13,080

be coming out of their training thinking

1559

01:08:16,070 --> 01:08:14,450

that homeopathy something worth

1560

01:08:19,720 --> 01:08:16,080

incorporating into their medical

1561

01:08:26,230 --> 01:08:19,730

practice yeah yeah hurry with you um

1562

01:08:28,940 --> 01:08:26,240

well this was this was inspired by a

1563

01:08:30,710 --> 01:08:28,950

report on today tonight a few weeks ago

1564

01:08:33,380 --> 01:08:30,720

thank you today show night for your

1565

01:08:35,980 --> 01:08:33,390

wonderful wonderful science based

1566

01:08:38,870 --> 01:08:35,990

reporting hahahaha I feel really

1567

01:08:40,579 --> 01:08:38,880

inspired ah okay I'm looking after them

1568

01:08:44,720 --> 01:08:40,589

in case you guys again yeah I'm

1569

01:08:46,579 --> 01:08:44,730

concerned such a deputation i did a

1570

01:08:49,480 --> 01:08:46,589

report a few weeks ago if you are

1571

01:08:53,059 --> 01:08:49,490

unlucky enough to catch it all about

1572

01:08:55,099 --> 01:08:53,069

cancer and how we are all getting sicker

1573

01:08:56,840 --> 01:08:55,109

and sicker because of all the terrible

1574

01:09:01,490 --> 01:08:56,850

things in our environment making a

1575

01:09:04,430 --> 01:09:01,500

smoker can I talk song toxins and it was

1576

01:09:06,829 --> 01:09:04,440

a incredibly uncritical piece of

1577

01:09:10,490 --> 01:09:06,839

reporting which sort of cherry-pick bits

1578

01:09:15,140 --> 01:09:10,500

of bits of information without really

1579

01:09:16,610 --> 01:09:15,150

appeared to do much fact-checking and it

1580

01:09:19,160 --> 01:09:16,620

was actually really quite easy to source

1581

01:09:22,550 --> 01:09:19,170

the correct data but I thought it would

1582

01:09:24,020 --> 01:09:22,560

be quite useful in talking about giving

1583

01:09:27,950 --> 01:09:24,030

people ways to answer people's questions

1584

01:09:31,160 --> 01:09:27,960

about whoo and and yeah and you know

1585

01:09:32,960 --> 01:09:31,170

health facts and so on to point people

1586

01:09:35,390 --> 01:09:32,970

towards some of the really good websites

1587

01:09:37,910 --> 01:09:35,400

out there that they can access and one

1588

01:09:40,340 --> 01:09:37,920

of the organizations that most people

1589

01:09:46,990 --> 01:09:40,350

out there would no Australian certainly

1590

01:09:47,000 --> 01:09:52,800

www.castleconnolly.com

1591

01:10:01,689 --> 01:09:58,240

hold that thought SW w dot Cancer

1592

01:10:03,750 --> 01:10:01,699

Council it's not on here well if people

1593

01:10:06,550 --> 01:10:03,760

Google yep if you google Cancer Council

1594

01:10:08,590 --> 01:10:06,560

it'll come up typically this one's the

1595

01:10:11,140 --> 01:10:08,600

new south wales website and they've got

1596

01:10:13,930 --> 01:10:11,150

a fantastic section on cancer myths and

1597

01:10:16,510 --> 01:10:13,940

facts it's not a Victorian this one

1598

01:10:18,240 --> 01:10:16,520

specifically so much as well okay I

1599

01:10:21,189 --> 01:10:18,250

think they've all got their various

1600

01:10:22,600 --> 01:10:21,199

separate sites but specifically that

1601
01:10:26,470 --> 01:10:22,610
this one was on the new south wales site

1602
01:10:28,030 --> 01:10:26,480
and it can answer in quite great detail

1603
01:10:30,459 --> 01:10:28,040
questions about things such as food

1604
01:10:33,370 --> 01:10:30,469
preservatives and cancer formaldehyde in

1605
01:10:36,090 --> 01:10:33,380
cancer and a lot of the myths that where

1606
01:10:38,950 --> 01:10:36,100
we've all heard such as you know

1607
01:10:41,040 --> 01:10:38,960
deodorants and cancer I was looking at

1608
01:10:44,950 --> 01:10:41,050
this list early and I was most impressed

1609
01:10:49,149 --> 01:10:44,960
very cancer myths and facts and with it

1610
01:10:50,830 --> 01:10:49,159
okay this is the list of meth things

1611
01:10:54,100 --> 01:10:50,840
like air fresheners artificial

1612
01:10:56,770 --> 01:10:54,110
sweeteners Rajas bras is there anything

1613
01:11:01,149 --> 01:10:56,780

that doesn't cause well no no apparently

1614

01:11:04,479 --> 01:11:01,159

not breasts breasts injuries diesel

1615

01:11:06,850 --> 01:11:04,489

electric blankets what like these are

1616

01:11:09,070 --> 01:11:06,860

all things that people claim faked hands

1617

01:11:12,100 --> 01:11:09,080

fingers over this flu ride microwave

1618

01:11:16,209 --> 01:11:12,110

microwave ovens lipstick stick loose

1619

01:11:19,870 --> 01:11:16,219

hands are yes Obama's lipstick what if I

1620

01:11:21,760 --> 01:11:19,880

got nail polish super glue you shouldn't

1621

01:11:23,830 --> 01:11:21,770

make that in Richmond oh and my favorite

1622

01:11:27,669 --> 01:11:23,840

ones is the claim that surgery causes

1623

01:11:29,410 --> 01:11:27,679

cancer to spread throughout the body so

1624

01:11:31,419 --> 01:11:29,420

anyway I think that's a really great

1625

01:11:33,700 --> 01:11:31,429

site that if people wanted to as a new

1626

01:11:34,899 --> 01:11:33,710

comes i'm suffering find information for

1627

01:11:37,600 --> 01:11:34,909

yourself or to answer other people's

1628

01:11:40,590 --> 01:11:37,610

questions there you go thank you James

1629

01:11:44,109 --> 01:11:40,600

day well I think anybody has a

1630

01:11:45,399 --> 01:11:44,119

last-minute post to mention I just have

1631

01:11:47,979 --> 01:11:45,409

one thing you know we said it maybe

1632

01:11:50,350 --> 01:11:47,989

we'll give this little snippets about

1633

01:11:53,649 --> 01:11:50,360

how to answer it's not exactly in line

1634

01:11:57,160 --> 01:11:53,659

with that but a detection mechanism you

1635

01:11:59,320 --> 01:11:57,170

know how to detect wool I think this in

1636

01:12:01,120 --> 01:11:59,330

words that that appear you know if

1637

01:12:03,770 --> 01:12:01,130

you've natural you know the words that

1638

01:12:07,190 --> 01:12:03,780

have valid use outside of their own

1639

01:12:10,150 --> 01:12:07,200

of medicine or health but once you hear

1640

01:12:13,450 --> 01:12:10,160

it in turn in my in as part of

1641

01:12:17,020 --> 01:12:13,460

discussion about medicine or health

1642

01:12:23,450 --> 01:12:17,030

natural would be one yes energy yes

1643

01:12:26,570 --> 01:12:23,460

melons well be healing well-being what

1644

01:12:28,430 --> 01:12:26,580

other ones there's the words with a lot

1645

01:12:31,940 --> 01:12:28,440

of words with scientific meaning that

1646

01:12:34,940 --> 01:12:31,950

suddenly become when they when they're

1647

01:12:37,640 --> 01:12:34,950

used sometimes even scientific the word

1648

01:12:41,300 --> 01:12:37,650

scientific itself yeah actually I think

1649

01:12:43,190 --> 01:12:41,310

the scientifically and clinically

1650

01:12:47,240 --> 01:12:43,200

clinically proven clinically proven

1651

01:12:49,760 --> 01:12:47,250

because clinically um I can't be wrong

1652

01:12:51,320 --> 01:12:49,770

there is a phrase to look out for what a

1653

01:12:53,830 --> 01:12:51,330

hundred thousand people can't be wrong

1654

01:12:58,670 --> 01:12:53,840

yes demonios is addressed whales

1655

01:13:00,380 --> 01:12:58,680

anecdotes oh can I just evolved stuff

1656

01:13:01,730 --> 01:13:00,390

can I just mention too that we forgot to

1657

01:13:04,550 --> 01:13:01,740

tell our listeners that when we came to

1658

01:13:06,260 --> 01:13:04,560

the club tonight we found out that one

1659

01:13:08,930 --> 01:13:06,270

of our favorite psychics is performing

1660

01:13:12,250 --> 01:13:08,940

here tonight we're downstairs here and

1661

01:13:14,660 --> 01:13:12,260

upstairs the auditorium is SEO that's y

1662

01:13:16,640 --> 01:13:14,670

if I concentrate hard enough do you

1663

01:13:18,230 --> 01:13:16,650

think he'll he'll be able to maybe

1664

01:13:21,620 --> 01:13:18,240

you'll fall from the ceiling into them

1665

01:13:22,970 --> 01:13:21,630

maybe we might have Diane and myself and

1666

01:13:25,340 --> 01:13:22,980

Richard went to see him a few weeks ago

1667

01:13:27,440 --> 01:13:25,350

at the same actual same club and he has

1668

01:13:29,330 --> 01:13:27,450

a spirit guide by the name of Marcus yes

1669

01:13:31,520 --> 01:13:29,340

now wondering for interfere with

1670

01:13:33,800 --> 01:13:31,530

Marcus's energy tonight it is Marcus

1671

01:13:37,340 --> 01:13:33,810

isn't it yeah same as your husband's

1672

01:13:38,660 --> 01:13:37,350

name yes joy that is yes yes I wonder

1673

01:13:42,620 --> 01:13:38,670

how the shows going which it i don't

1674

01:13:46,100 --> 01:13:42,630

know he's been hi George oh I think

1675

01:13:49,160 --> 01:13:46,110

we'll be having words I'm just I'm just

1676

01:13:51,290 --> 01:13:49,170

thinking though we've got five skeptics

1677

01:13:54,590 --> 01:13:51,300

sitting here I think that our negative

1678

01:13:56,360 --> 01:13:54,600

energy probably is too but there is

1679

01:14:00,830 --> 01:13:56,370

something you need to know there's no

1680

01:14:02,780 --> 01:14:00,840

way we can make him worse nah he is

1681

01:14:05,540 --> 01:14:02,790

pretty bad on that psychic no I big

1682

01:14:06,540 --> 01:14:05,550

already Thank You Joanne Thank You Diane

1683

01:14:32,050 --> 01:14:06,550

thank you

1684

01:14:38,060 --> 01:14:36,170

so that's why you can't eat her I was

1685

01:14:39,320 --> 01:14:38,070

just talking to the students how they

1686

01:14:42,229 --> 01:14:39,330

look I'm supposed to tell you about

1687

01:14:45,920 --> 01:14:42,239

something the cosmic tea party I new

1688

01:14:47,300 --> 01:14:45,930

science podcast podcast hey who's it at

1689

01:14:50,060 --> 01:14:47,310

any rate it's about science and

1690

01:14:53,390 --> 01:14:50,070

mathematics sounds rather dull oh hang

1691

01:14:55,010 --> 01:14:53,400

on i open it it says here not done so

1692

01:14:58,939 --> 01:14:55,020

there you have it the cosmic tea party

1693

01:15:11,080 --> 01:14:58,949

podcast www cosmic tea party all or

1694

01:15:16,480 --> 01:15:14,500

Richard that was a very standard format

1695

01:15:17,830 --> 01:15:16,490

show but it was an excellent excellent

1696

01:15:19,660 --> 01:15:17,840

show which kind of proves that the

1697

01:15:21,430 --> 01:15:19,670

format's working I hope so and that's

1698

01:15:22,930 --> 01:15:21,440

what the survey the little survey we did

1699

01:15:24,700 --> 01:15:22,940

online people said they liked the format

1700

01:15:26,680 --> 01:15:24,710

very they liked the format and you know

1701

01:15:29,230 --> 01:15:26,690

why cuz it's got variety and it's got

1702

01:15:31,660 --> 01:15:29,240

interest yeah and it's got your fabulous

1703

01:15:33,580 --> 01:15:31,670

music Oh every now and then yes but also

1704

01:15:35,920 --> 01:15:33,590

must have been what great guests were

1705

01:15:37,750 --> 01:15:35,930

having on hero and and wasn't Joe

1706

01:15:39,760 --> 01:15:37,760

Nickell fascinating what a character I

1707

01:15:42,190 --> 01:15:39,770

could talk to him for hours and hours

1708

01:15:44,920 --> 01:15:42,200

and hours but don't worry next week our

1709

01:15:47,140 --> 01:15:44,930

special guest for in the interview spot

1710

01:15:51,430 --> 01:15:47,150

will be none other than Adam Savage from

1711

01:15:53,860 --> 01:15:51,440

the Mythbusters Oh a legend and a famous

1712

01:15:55,450 --> 01:15:53,870

person indeed Iran sir give from a grain

1713

01:15:57,640 --> 01:15:55,460

of salt caught up with Adam at the

1714

01:15:58,960 --> 01:15:57,650

amazing meeting and I can't wait to hear

1715

01:16:01,090 --> 01:15:58,970

the interview either right and he

1716

01:16:06,370 --> 01:16:01,100

actually let the skeptics and interview

1717

01:16:08,020 --> 01:16:06,380

him he did oh wow I know what's up

1718

01:16:10,180 --> 01:16:08,030

indictment that is but we're pretty

1719

01:16:12,220 --> 01:16:10,190

impressed we are so we can all look

1720

01:16:14,320 --> 01:16:12,230

forward to that interview next week on

1721

01:16:15,880 --> 01:16:14,330

show number 42 excellent so I guess

1722

01:16:17,560 --> 01:16:15,890

we'll just leave leave everyone to it

1723

01:16:19,300 --> 01:16:17,570

and thanks everyone for listening and

1724

01:16:24,520 --> 01:16:19,310

we'll catch up you the next week okay

1725

01:16:30,490 --> 01:16:26,770

you mean listening to the skeptic zone

1726

01:16:34,299 --> 01:16:30,500

visit our website at [www scripting](http://www.scripting)

1727

01:16:36,830 --> 01:16:34,309

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