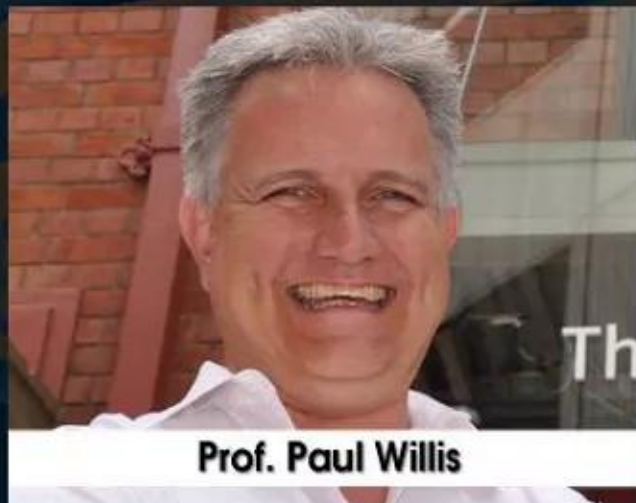


Show 466

THE
**SKEPTIC
ZONE**
PODCAST

www.skepticzone.tv

24 September 2017



Prof. Paul Willis

Susan Gerbic from the
European Skeptics Congress

Prof. Paul Willis gives you a
Piece of his Mind

Eran Segev chats to Yoav Landsman
about going to the moon

Anti-Vax GP update

Brew Ha Ha: Science
New evidence of Viking warrior women

The Bent Spoon Award



Susan Gerbic

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

[Music]

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

welcome to the skeptic zone the podcast

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

from Australia for science and reason

4
00:00:16,840 --> 00:00:13,920

[Music]

5
00:00:22,450 --> 00:00:16,850

[Applause]

6
00:00:25,189 --> 00:00:22,460

[Music]

7
00:00:28,609 --> 00:00:25,199

yes it's the skeptic zone podcast

8
00:00:31,790 --> 00:00:28,619

episode number 466 for the 24th of

9
00:00:33,770 --> 00:00:31,800

September 2017 richardsaunders here with

10
00:00:36,920 --> 00:00:33,780

you from a very warm and toasty Sydney

11
00:00:38,600 --> 00:00:36,930

Australia in fact yesterday yesterday

12
00:00:41,869 --> 00:00:38,610

they said it was a record-breaking heat

13
00:00:45,430 --> 00:00:41,879

wave day again the hottest September day

14

00:00:47,630 --> 00:00:45,440

ever recorded Wow

15

00:00:49,479 --> 00:00:47,640

coming up on this week's episode of the

16

00:00:52,069 --> 00:00:49,489

skeptic zone we're gonna kick off with a

17

00:00:54,619 --> 00:00:52,079

little report from susan goreck from

18

00:00:57,530 --> 00:00:54,629

guerrilla skepticism susan is making her

19

00:01:00,049 --> 00:00:57,540

way through Europe she's ended up but

20

00:01:02,899 --> 00:01:00,059

the European skeptics Congress I have a

21

00:01:04,910 --> 00:01:02,909

quick chat to her about how that's going

22

00:01:07,219 --> 00:01:04,920

because right now it's sort of right in

23

00:01:09,080 --> 00:01:07,229

the middle of that Congress and also

24

00:01:14,149 --> 00:01:09,090

we'll hear some other reports where she

25

00:01:17,060 --> 00:01:14,159

went to Sweden and Denmark and visited

26

00:01:20,570 --> 00:01:17,070

skeptics in the pub that sounds like a

27

00:01:23,390 --> 00:01:20,580

good tour to me susan gerbic European

28

00:01:26,120 --> 00:01:23,400

tour following that it's a story about

29

00:01:28,639 --> 00:01:26,130

the upcoming bent spoon award from

30

00:01:30,410 --> 00:01:28,649

Australian sceptics now the bench spoon

31

00:01:32,719 --> 00:01:30,420

is the annual award given to the most

32

00:01:37,520 --> 00:01:32,729

preposterous piece of paranormal or

33

00:01:40,010 --> 00:01:37,530

pseudo scientific people and it's open

34

00:01:42,139 --> 00:01:40,020

to nominations if you know of an

35

00:01:44,539 --> 00:01:42,149

organization an individual and a park in

36

00:01:46,639 --> 00:01:44,549

Australia you think is worthy of the

37

00:01:49,190 --> 00:01:46,649

bench spoon anyway this story coming up

38

00:01:51,709 --> 00:01:49,200

is a report about the sum of the current

39

00:01:54,489 --> 00:01:51,719

nominations for the bench spoon award

40

00:01:57,980 --> 00:01:54,499

and that award will be given out during

41

00:02:01,969 --> 00:01:57,990

the annual convention dinner coming up

42

00:02:05,359 --> 00:02:01,979

in in November after that it's brouhaha

43

00:02:07,760 --> 00:02:05,369

science from Australia science TV Kelly

44

00:02:10,520 --> 00:02:07,770

Wang talking about what seems to be the

45

00:02:14,620 --> 00:02:10,530

discovery that an ancient Viking was in

46

00:02:17,360 --> 00:02:14,630

fact a female all along and not a male

47

00:02:21,110 --> 00:02:17,370

then we have a new segment from our good

48

00:02:22,100 --> 00:02:21,120

friend professor Paul Willis a piece of

49

00:02:24,199 --> 00:02:22,110

his mind

50

00:02:25,820 --> 00:02:24,209

Paul Willis will give you a piece of his

51
00:02:29,000 --> 00:02:25,830
mind he's going to be talking about

52
00:02:31,190 --> 00:02:29,010
heroes on the big screen but should we

53
00:02:34,280 --> 00:02:31,200
be looking there to solve the world's

54
00:02:35,780 --> 00:02:34,290
problems after that it's an update

55
00:02:38,390 --> 00:02:35,790
another update about the

56
00:02:42,140 --> 00:02:38,400
anti-vaccination doctor dr. john pease

57
00:02:44,990 --> 00:02:42,150
and it seems that he has indeed been

58
00:02:46,819 --> 00:02:45,000
suspended from practice but there is

59
00:02:48,860 --> 00:02:46,829
more to the story than that and other

60
00:02:52,009 --> 00:02:48,870
ramifications an update later on in the

61
00:02:54,619 --> 00:02:52,019
show then to round off the show grain of

62
00:02:58,670 --> 00:02:54,629
salt with a runs again this week iran

63
00:03:01,729 --> 00:02:58,680

chats to yell of lungs minh about his

64

00:03:05,539 --> 00:03:01,739

work we have space IL and the thirty

65

00:03:08,300 --> 00:03:05,549

million dollar google lunar xprize to

66

00:03:10,640 --> 00:03:08,310

get to the moon he's going to be

67

00:03:13,490 --> 00:03:10,650

discussing the the craft

68

00:03:19,149 --> 00:03:13,500

they're sending which will bounce on the

69

00:03:22,220 --> 00:03:19,159

moon bounce but not fly or hover or Rove

70

00:03:25,159 --> 00:03:22,230

but bounce bouncing on the moon coming

71

00:03:27,679 --> 00:03:25,169

up to round off the show now before we

72

00:03:29,780 --> 00:03:27,689

start here's a new rare and you think

73

00:03:32,119 --> 00:03:29,790

i'm trying out for the skeptic zone if

74

00:03:35,420 --> 00:03:32,129

you download an app free app called

75

00:03:38,000 --> 00:03:35,430

voice bite and there's a link on on the

76

00:03:42,020 --> 00:03:38,010

website at skeptic zone TV thought the

77

00:03:45,830 --> 00:03:42,030

link is voice byte b YT e comm you can

78

00:03:47,930 --> 00:03:45,840

send in 15-second questions or comments

79

00:03:51,140 --> 00:03:47,940

directly to me directly to the skeptic

80

00:03:53,149 --> 00:03:51,150

zone and at the same time those little

81

00:03:55,969 --> 00:03:53,159

voice clips can be sent out on your

82

00:03:57,710 --> 00:03:55,979

Twitter feed or your Facebook feed all

83

00:04:02,360 --> 00:03:57,720

you have to do is make the recording and

84

00:04:04,939 --> 00:04:02,370

use the hashtag skeptic zone and we even

85

00:04:07,729 --> 00:04:04,949

have the very first contribution and

86

00:04:10,939 --> 00:04:07,739

this one's from my dear friend Celestia

87

00:04:13,670 --> 00:04:10,949

Ward hi Richard it's Celeste reward from

88

00:04:16,219 --> 00:04:13,680

squaring the strange podcast my question

89

00:04:19,159 --> 00:04:16,229

for you is what do you think is the most

90

00:04:22,490 --> 00:04:19,169

dangerous form of whoo or pseudoscience

91

00:04:24,379 --> 00:04:22,500

facing the human race right now wow

92

00:04:26,000 --> 00:04:24,389

that's an interesting question it's a

93

00:04:28,100 --> 00:04:26,010

bit of a tough question I'm gonna have a

94

00:04:29,870 --> 00:04:28,110

think about that during the show and

95

00:04:31,939 --> 00:04:29,880

give you my answer in fact we can all

96

00:04:33,680 --> 00:04:31,949

have a think about that and I'd be

97

00:04:36,080 --> 00:04:33,690

interested to know what you think about

98

00:04:38,570 --> 00:04:36,090

that but now it's time for me to run

99

00:04:41,740 --> 00:04:38,580

downstairs and have some some lemon

100

00:04:44,140 --> 00:04:41,750

cookies with almonds and

101
00:04:46,060 --> 00:04:44,150
bit of toast with cream cheese and

102
00:04:48,790 --> 00:04:46,070
watercress there's an interesting

103
00:05:15,520 --> 00:04:48,800
combination while I do all that I hope

104
00:05:17,770 --> 00:05:15,530
you enjoy the skeptic zone guerrilla

105
00:05:20,340 --> 00:05:17,780
skepticism on Wikipedia hello good

106
00:05:24,070 --> 00:05:20,350
morning and good evening I think Susan

107
00:05:25,810 --> 00:05:24,080
hello everyone hello I'm it's delightful

108
00:05:27,880 --> 00:05:25,820
I can actually see you you look like

109
00:05:30,160 --> 00:05:27,890
you've had a wonderful time you've been

110
00:05:34,030 --> 00:05:30,170
attending the European skeptics Congress

111
00:05:36,610 --> 00:05:34,040
how's it going or is it over now well we

112
00:05:38,860 --> 00:05:36,620
have it's Saturday night right now so we

113
00:05:42,550 --> 00:05:38,870

just got off a Gaelic cruise we went and

114

00:05:44,740 --> 00:05:42,560

cruise around and Mark Edward did a

115

00:05:45,910 --> 00:05:44,750

little magic and Randi was there and it

116

00:05:49,290 --> 00:05:45,920

was so much fun

117

00:05:52,840 --> 00:05:49,300

and then so tomorrow morning we have a

118

00:05:55,540 --> 00:05:52,850

few lectures and I think Massimo

119

00:05:58,660 --> 00:05:55,550

Polidori o is going to interview Randi

120

00:06:03,070 --> 00:05:58,670

and they're gonna do some other things

121

00:06:05,320 --> 00:06:03,080

and then the Congress the actual board

122

00:06:06,640 --> 00:06:05,330

is they forgot to try to decide where

123

00:06:10,270 --> 00:06:06,650

they're going to have the next Congress

124

00:06:13,240 --> 00:06:10,280

that in two years and then I'm getting

125

00:06:16,750 --> 00:06:13,250

in a car and I'm going with a mark

126

00:06:19,240 --> 00:06:16,760

Edward under OSH enter and Liu boudoir

127

00:06:21,760 --> 00:06:19,250

from Bulgaria we're going to go to

128

00:06:25,900 --> 00:06:21,770

Dresden to spend the night and then go

129

00:06:27,490 --> 00:06:25,910

on to getting hum Germany wow wow what a

130

00:06:29,530 --> 00:06:27,500

great trip you've had in folks in a

131

00:06:32,080 --> 00:06:29,540

minute we'll be playing some little

132

00:06:34,870 --> 00:06:32,090

interviews Susan mark were doing along

133

00:06:37,000 --> 00:06:34,880

the way one from Sweden and one from

134

00:06:39,130 --> 00:06:37,010

Denmark it sounds like you've been

135

00:06:41,140 --> 00:06:39,140

having a wonderful time and I take it

136

00:06:45,040 --> 00:06:41,150

the Congress has been a most enjoyable

137

00:06:47,260 --> 00:06:45,050

experience so far I the people are

138

00:06:48,400 --> 00:06:47,270

amazing and this Congress has been so

139

00:06:49,450 --> 00:06:48,410

much fun because there's so many

140

00:06:52,810 --> 00:06:49,460

different languages

141

00:06:55,030 --> 00:06:52,820

I mean you turn around and there's

142

00:06:56,980 --> 00:06:55,040

somebody speaking in Czech and

143

00:06:58,870 --> 00:06:56,990

next to my speaking in Polish and the

144

00:07:02,260 --> 00:06:58,880

person next to him speaking in Italian

145

00:07:04,480 --> 00:07:02,270

and somebody's got English it's that

146

00:07:06,400 --> 00:07:04,490

sound that sounds great I'm so jealous

147

00:07:12,850 --> 00:07:06,410

you've been mentioned many times Richard

148

00:07:16,660 --> 00:07:12,860

oh no not me no your name has come up in

149

00:07:20,470 --> 00:07:16,670

the skeptic zone podcast and Iran did a

150

00:07:23,080 --> 00:07:20,480

wonderful lecture this morning and he

151
00:07:26,530 --> 00:07:23,090
was talking a lot about what's going on

152
00:07:30,700 --> 00:07:26,540
in Australia with a lot of pride and he

153
00:07:32,590 --> 00:07:30,710
has a lot of great reason to it was and

154
00:07:34,830 --> 00:07:32,600
several people pointed out and asked him

155
00:07:36,550 --> 00:07:34,840
questions during the panel talking about

156
00:07:38,290 --> 00:07:36,560
different things that are happened in

157
00:07:40,390 --> 00:07:38,300
Australia people around the world are

158
00:07:43,180 --> 00:07:40,400
aware of what's going on in Australia

159
00:07:45,490 --> 00:07:43,190
trust me that's very nice to know very

160
00:07:47,800 --> 00:07:45,500
nice to know indeed well I think you

161
00:07:49,870 --> 00:07:47,810
should get to bed so your nice and fresh

162
00:07:51,700 --> 00:07:49,880
for tomorrow's part of the Congress

163
00:07:54,370 --> 00:07:51,710

again I'm very jealous I can't be there

164

00:07:56,440 --> 00:07:54,380

thank you for sending me some reports

165

00:08:00,400 --> 00:07:56,450

along the way which will be playing in

166

00:08:02,770 --> 00:08:00,410

just a second and please give my best to

167

00:08:03,640 --> 00:08:02,780

everybody but especially James Randi I

168

00:08:04,660 --> 00:08:03,650

sure will

169

00:08:12,180 --> 00:08:04,670

Thanks

170

00:08:16,330 --> 00:08:14,770

hello everyone this is susan gerbic from

171

00:08:17,020 --> 00:08:16,340

the guerrilla skepticism on wikipedia

172

00:08:20,770 --> 00:08:17,030

project

173

00:08:23,620 --> 00:08:20,780

I'm in Sweden and I have just toured a

174

00:08:24,850 --> 00:08:23,630

castle in Sweden and I'm not gonna

175

00:08:29,580 --> 00:08:24,860

pronounce it because that will totally

176
00:08:31,990 --> 00:08:29,590
butchered I'm sure but I'm here having a

177
00:08:33,730 --> 00:08:32,000
salad and a croissant

178
00:08:37,600 --> 00:08:33,740
what is this another croissant it's a

179
00:08:38,830 --> 00:08:37,610
cinnamon event pika

180
00:08:43,120 --> 00:08:38,840
we have an effete guy here it's a

181
00:08:46,090 --> 00:08:43,130
Swedish tradition so I'm here with

182
00:08:48,880 --> 00:08:46,100
Adrian and Mark Edward and we are

183
00:08:51,160 --> 00:08:48,890
getting ready to go back to the hotel

184
00:08:58,960 --> 00:08:51,170
room because we're going to be speaking

185
00:09:02,070 --> 00:08:58,970
at the Swedish vof group tonight this is

186
00:09:04,390 --> 00:09:02,080
on Wikipedia hopefully I'll get a few

187
00:09:07,480 --> 00:09:04,400
editors tonight and Mark will be talking

188
00:09:11,440 --> 00:09:07,490

about psychics yeah I'll do so this is

189

00:09:14,830 --> 00:09:11,450

the skeptics in the pub yeah I'm Adrian

190

00:09:17,740 --> 00:09:14,840

and azano and I'm managing the steps

191

00:09:20,490 --> 00:09:17,750

from the pub in Sock'em and I also at

192

00:09:24,670 --> 00:09:20,500

the board of director of the viewer and

193

00:09:26,350 --> 00:09:24,680

apparently I'm also the host so I'm

194

00:09:29,740 --> 00:09:26,360

taking care of business and I'm mark

195

00:09:33,040 --> 00:09:29,750

here these two days yeah exactly because

196

00:09:35,770 --> 00:09:33,050

obviously that but that was needed I get

197

00:09:37,390 --> 00:09:35,780

lost easily yeah and it's it is see it

198

00:09:40,570 --> 00:09:37,400

laughs in there in seven states and also

199

00:09:41,620 --> 00:09:40,580

so yeah I think we're gonna have a very

200

00:09:46,230 --> 00:09:41,630

great time tonight

201
00:09:48,760 --> 00:09:46,240
it's a English pub people are gonna be

202
00:09:51,610 --> 00:09:48,770
drunk enough beer so they're gonna enjoy

203
00:09:53,020 --> 00:09:51,620
the speech easily you don't have to say

204
00:09:57,010 --> 00:09:53,030
say much they're gonna think it's great

205
00:09:59,920 --> 00:09:57,020
anyway anyway stepping-stone listeners

206
00:10:03,389 --> 00:09:59,930
we're we're excited to get to come along

207
00:10:08,319 --> 00:10:03,399
on our journeys through

208
00:10:10,509 --> 00:10:08,329
Scandinavia and Europe and we are

209
00:10:12,519 --> 00:10:10,519
thinking of you

210
00:10:15,850 --> 00:10:12,529
the Australian skeptics are mentions

211
00:10:17,259 --> 00:10:15,860
quite a bit as a group of people who are

212
00:10:19,120 --> 00:10:17,269
literally getting out there and doing

213
00:10:21,400 --> 00:10:19,130

things you were I went to a party last

214

00:10:23,110 --> 00:10:21,410

night and we talked about many of the

215

00:10:25,360 --> 00:10:23,120

things that are happening with the

216

00:10:29,350 --> 00:10:25,370

Australian skeptics and everybody when I

217

00:10:29,889 --> 00:10:29,360

mentioned your names they said oh yes of

218

00:10:32,439 --> 00:10:29,899

course

219

00:10:34,439 --> 00:10:32,449

homeopathy and the and the work that

220

00:10:37,960 --> 00:10:34,449

they're doing there in Australia is

221

00:10:39,460 --> 00:10:37,970

putting everyone else to shame yeah

222

00:10:40,780 --> 00:10:39,470

that's what Mark said Australia

223

00:10:42,850 --> 00:10:40,790

something everyone else to shame because

224

00:10:45,069 --> 00:10:42,860

you guys you and the Brits are really

225

00:10:49,139 --> 00:10:45,079

getting a lot of stuff done Oh name the

226

00:10:51,999 --> 00:10:49,149

council the Swedish royal castle it's

227

00:10:53,829 --> 00:10:52,009

well they're the old name was Nick you

228

00:10:56,829 --> 00:10:53,839

know more about there was the new way I

229

00:10:59,650 --> 00:10:56,839

think it's called yes castles and so

230

00:11:01,990 --> 00:10:59,660

we're at the castle we're at a meeting

231

00:11:07,530 --> 00:11:02,000

outside of the castle

232

00:11:10,480 --> 00:11:07,540

[Music]

233

00:11:13,030 --> 00:11:10,490

hello skeptic zone listeners is a susan

234

00:11:17,050 --> 00:11:13,040

gerbic and right now i'm here with mark

235

00:11:20,819 --> 00:11:17,060

edward and klaus larson in Copenhagen

236

00:11:23,889 --> 00:11:20,829

and we last night we spoke to the

237

00:11:26,139 --> 00:11:23,899

Copenhagen skeptics and we're spending

238

00:11:29,199 --> 00:11:26,149

the day traveling through Copenhagen and

239

00:11:31,480 --> 00:11:29,209

then we're going to go to Malmo in

240

00:11:34,449 --> 00:11:31,490

Sweden and mark and I will be speaking

241

00:11:37,689 --> 00:11:34,459

there tonight to the vof skeptics in

242

00:11:39,639 --> 00:11:37,699

Malmo one of the things that Klaus and

243

00:11:42,340 --> 00:11:39,649

Mark and I are talking about is the

244

00:11:46,150 --> 00:11:42,350

importance of face-to-face interactions

245

00:11:48,340 --> 00:11:46,160

like a conferences and events where you

246

00:11:52,179 --> 00:11:48,350

sit down you share a beer with them you

247

00:11:53,829 --> 00:11:52,189

talk over dinner or lunch and learn

248

00:11:55,420 --> 00:11:53,839

about what other groups are doing what

249

00:11:59,170 --> 00:11:55,430

other successes they're having what

250

00:12:00,879 --> 00:11:59,180

other needs they have yeah well just

251

00:12:03,610 --> 00:12:00,889

Josh hi everyone

252

00:12:06,400 --> 00:12:03,620

we've been talking about this how I get

253

00:12:08,949 --> 00:12:06,410

things done a lot of the skeptic groups

254

00:12:13,769 --> 00:12:08,959

they get together and the intentions are

255

00:12:16,420 --> 00:12:13,779

great and but then not a lot of things

256

00:12:18,420 --> 00:12:16,430

well maybe not a lot of things but not

257

00:12:21,429 --> 00:12:18,430

enough things are happening

258

00:12:25,600 --> 00:12:21,439

we've try to come up with a way of

259

00:12:28,679 --> 00:12:25,610

getting things to get done and one

260

00:12:33,340 --> 00:12:28,689

suggestion would be that we treat

261

00:12:35,320 --> 00:12:33,350

projects with a set scope set time frame

262

00:12:39,250 --> 00:12:35,330

a set

263

00:12:41,790 --> 00:12:39,260

economy and then we focus on one thing

264

00:12:44,920 --> 00:12:41,800

for instance it could be there's a new

265

00:12:47,170 --> 00:12:44,930

psychic in town okay let's start from

266

00:12:50,320 --> 00:12:47,180

the beginning let's follow this side

267

00:12:53,620 --> 00:12:50,330

let's investigate also from the

268

00:12:55,569 --> 00:12:53,630

assumption that the possibility that he

269

00:12:58,720 --> 00:12:55,579

could actually be the right thing but if

270

00:13:02,980 --> 00:12:58,730

he's not let's document what it does so

271

00:13:05,860 --> 00:13:02,990

that his followers may see that he may

272

00:13:08,710 --> 00:13:05,870

not be as excited as he could be

273

00:13:11,829 --> 00:13:08,720

but it's important that from the start

274

00:13:17,280 --> 00:13:11,839

we have leadership establish leadership

275

00:13:21,220 --> 00:13:17,290

and we have clear list of people who

276

00:13:23,019 --> 00:13:21,230

knows how to do specific jobs and when

277

00:13:27,630 --> 00:13:23,029

they commit to them they follow through

278

00:13:32,110 --> 00:13:27,640

and of course everyone is credited as

279

00:13:34,870 --> 00:13:32,120

they should be but treat a project like

280

00:13:36,759 --> 00:13:34,880

it would have been a normal project in

281

00:13:39,069 --> 00:13:36,769

for instance an IT we have to solve this

282

00:13:41,680 --> 00:13:39,079

problem is this it's a business like a

283

00:13:43,960 --> 00:13:41,690

business yeah absolutely

284

00:13:48,100 --> 00:13:43,970

but with but with goals I think having

285

00:13:51,250 --> 00:13:48,110

it smaller groups take on smaller tasks

286

00:13:53,139 --> 00:13:51,260

yes or bigger tasks in the long run it's

287

00:13:54,910 --> 00:13:53,149

like you say that a clear goal but I

288

00:13:57,040 --> 00:13:54,920

don't want to de-emphasize the fact that

289

00:14:00,550 --> 00:13:57,050

we need to be able to have conferences

290

00:14:02,860 --> 00:14:00,560

and regular meetings to keep people

291

00:14:05,920 --> 00:14:02,870

energized and growing the community with

292

00:14:07,300 --> 00:14:05,930

lectures these are the pilot or other

293

00:14:09,250 --> 00:14:07,310

people might find out what other get

294

00:14:11,050 --> 00:14:09,260

will are doing to be required and keeps

295

00:14:14,079 --> 00:14:11,060

motivated and that's why we need the

296

00:14:17,079 --> 00:14:14,089

conference's but but I think that if

297

00:14:19,420 --> 00:14:17,089

groups can form to instead of just

298

00:14:20,249 --> 00:14:19,430

having a broad feel of we're gonna form

299

00:14:24,090 --> 00:14:20,259

a group and we're

300

00:14:26,340 --> 00:14:24,100

be doing a lot of these I think I agree

301

00:14:28,199 --> 00:14:26,350

with Klaus is that then you pick one

302

00:14:31,919 --> 00:14:28,209

specific thing to work on for a period

303

00:14:34,049 --> 00:14:31,929

of time and have clear goals and when

304

00:14:36,139 --> 00:14:34,059

that's over it's over move on to another

305

00:14:38,639 --> 00:14:36,149

project maybe with a different team

306

00:14:40,559 --> 00:14:38,649

maybe with a different focus learning as

307

00:14:43,710 --> 00:14:40,569

you go but you have to report back on

308

00:14:47,129 --> 00:14:43,720

what you did yeah too many things going

309

00:14:49,079 --> 00:14:47,139

on at once is why Susan and I have

310

00:14:52,139 --> 00:14:49,089

decided to just do it or spend more

311

00:14:54,689 --> 00:14:52,149

because we came up against most of the

312

00:14:56,999 --> 00:14:54,699

groups we were involved with we're just

313

00:14:58,889 --> 00:14:57,009

trying to juggle way too many things and

314

00:15:01,529 --> 00:14:58,899

there's a phrase that I learned when I

315

00:15:04,109 --> 00:15:01,539

was working as a psychic which is the

316

00:15:08,759 --> 00:15:04,119

cat that plays with too many mice goes

317

00:15:11,729 --> 00:15:08,769

without dinner we can decide who the

318

00:15:14,099 --> 00:15:11,739

fattest to see Mouse's and pounce on it

319

00:15:16,199 --> 00:15:14,109

the other ones will be around and we can

320

00:15:18,329 --> 00:15:16,209

maybe eventually turn to them too

321

00:15:21,659 --> 00:15:18,339

but I think we have to decide do the

322

00:15:24,629 --> 00:15:21,669

fattest Mouse's and don't give up and

323

00:15:29,489 --> 00:15:24,639

don't let go of it until we've had our

324

00:15:31,170 --> 00:15:29,499

dinner thank you all from Copenhagen

325

00:15:44,980 --> 00:15:31,180

from Denmark

326

00:15:50,420 --> 00:15:48,199

it never ends a friend starts talking

327

00:15:52,009 --> 00:15:50,430

about his new Reiki Master and someone

328

00:15:54,740 --> 00:15:52,019

else just posted about another

329

00:15:57,230 --> 00:15:54,750

all-natural cancer cure that they don't

330

00:15:59,480 --> 00:15:57,240

want you to know about as skeptics we

331

00:16:01,579 --> 00:15:59,490

dedicate a lot of time trying to protect

332

00:16:03,800 --> 00:16:01,589

those around us but there's a way that

333

00:16:06,410 --> 00:16:03,810

you can reach millions guerrilla

334

00:16:08,300 --> 00:16:06,420

skepticism on Wikipedia is a group that

335

00:16:10,790 --> 00:16:08,310

is working to keep the best skeptical

336

00:16:11,929 --> 00:16:10,800

information at everyone's fingertips in

337

00:16:15,050 --> 00:16:11,939

all languages

338

00:16:17,869 --> 00:16:15,060

join us training is self-paced and fun

339

00:16:20,090 --> 00:16:17,879

and we have our very own super secret

340

00:16:22,490 --> 00:16:20,100

Facebook group you will be educating the

341

00:16:27,670 --> 00:16:22,500

world in your sleep to find out more

342

00:16:31,840 --> 00:16:27,680

email us at GS o w team @ gmail.com

343

00:16:34,870 --> 00:16:31,850

guerrilla skepticism the time is now

344

00:16:45,270 --> 00:16:34,880

music by bensound.com

345

00:16:47,910 --> 00:16:45,280

[Music]

346

00:16:51,060 --> 00:16:47,920

from the website of Australian skeptic

347

00:16:56,970 --> 00:16:51,070

skeptics calm day you bent spoon

348

00:17:00,120 --> 00:16:56,980

nominations for 2017 ABC ni cm Newcastle

349

00:17:03,590 --> 00:17:00,130

City Council and more by Tim Mendham

350

00:17:06,840 --> 00:17:03,600

published on the 21st of September 2017

351
00:17:09,510 --> 00:17:06,850
the nominations for the 2017 Australian

352
00:17:11,730 --> 00:17:09,520
skeptics bent spoon award have been

353
00:17:15,420 --> 00:17:11,740
published featuring an array of

354
00:17:16,740 --> 00:17:15,430
potential winners and dishonor ease the

355
00:17:19,079 --> 00:17:16,750
spoon is awarded to the most

356
00:17:21,179 --> 00:17:19,089
preposterous piece of paranormal or

357
00:17:24,420 --> 00:17:21,189
pseudo scientific piffle of the year and

358
00:17:27,600 --> 00:17:24,430
is one of the least sought-after awards

359
00:17:31,650 --> 00:17:27,610
on the calendar past winners include

360
00:17:34,620 --> 00:17:31,660
paleo Pete Evans homeopathy plus the Luo

361
00:17:38,030 --> 00:17:34,630
Tech free energy generator a whole range

362
00:17:41,370 --> 00:17:38,040
of universities and a psychic dentist

363
00:17:44,340 --> 00:17:41,380

this year's nominees include the ABC

364

00:17:47,400 --> 00:17:44,350

Nats ABC television late line program

365

00:17:51,240 --> 00:17:47,410

for a story extolling the dubious

366

00:17:54,270 --> 00:17:51,250

virtues of biodynamic farming and the

367

00:17:58,560 --> 00:17:54,280

wonders of bearing cow horns full of

368

00:18:00,510 --> 00:17:58,570

manure to help wine grow another nominee

369

00:18:03,330 --> 00:18:00,520

is the national institution of

370

00:18:07,470 --> 00:18:03,340

complimentary medicine and it's academic

371

00:18:11,190 --> 00:18:07,480

parent Western Sydney University uws the

372

00:18:13,200 --> 00:18:11,200

N ICM a nominee last year continues to

373

00:18:15,000 --> 00:18:13,210

promote all sorts of pseudo medical

374

00:18:17,100 --> 00:18:15,010

treatments on its website under the

375

00:18:21,110 --> 00:18:17,110

umbrella of complementary medicine

376

00:18:25,310 --> 00:18:21,120

these include homeopathy reflexology

377

00:18:29,670 --> 00:18:25,320

spiritual healing crystal therapy breaky

378

00:18:32,100 --> 00:18:29,680

the list goes on n ICM promised to

379

00:18:34,710 --> 00:18:32,110

review its position on these areas last

380

00:18:37,560 --> 00:18:34,720

year but obviously thought so much of

381

00:18:40,320 --> 00:18:37,570

them they were retained and I see him

382

00:18:43,010 --> 00:18:40,330

and you WS are also preparing a clinic

383

00:18:47,280 --> 00:18:43,020

on campus to treat public patients with

384

00:18:49,410 --> 00:18:47,290

traditional Chinese medicine TCM a range

385

00:18:52,140 --> 00:18:49,420

of treatments who have serious questions

386

00:18:55,140 --> 00:18:52,150

about their effectiveness the Newcastle

387

00:18:57,660 --> 00:18:55,150

City Council and the Newcastle Herald

388

00:18:58,159 --> 00:18:57,670

have been nominated for giving the keys

389

00:19:01,310 --> 00:18:58,169

to the

390

00:19:03,889 --> 00:19:01,320

city to a psychic who can see the past

391

00:19:06,710 --> 00:19:03,899

present and future and can connect

392

00:19:08,960 --> 00:19:06,720

people with dead relatives

393

00:19:11,090 --> 00:19:08,970

The Herald which has performed sterling

394

00:19:14,239 --> 00:19:11,100

work in the past exposing child sexual

395

00:19:16,580 --> 00:19:14,249

abuse in the local Catholic Church has

396

00:19:19,399 --> 00:19:16,590

let this story slip through it's

397

00:19:21,320 --> 00:19:19,409

critical net without so much as a quote

398

00:19:24,200 --> 00:19:21,330

claimed to be psychic

399

00:19:26,810 --> 00:19:24,210

end quote insight members of the public

400

00:19:29,090 --> 00:19:26,820

and the skeptical community are invited

401
00:19:34,070 --> 00:19:29,100
to make their own submissions visit

402
00:19:36,200 --> 00:19:34,080
w-w-w kept ignoring the spoon including

403
00:19:39,139 --> 00:19:36,210
its history and past winners links to

404
00:19:42,680 --> 00:19:39,149
the list of 2017 nominees and how to

405
00:19:44,659 --> 00:19:42,690
nominate your own worthy recipients now

406
00:19:46,669 --> 00:19:44,669
the beta spoon will be awarded in late

407
00:19:50,210 --> 00:19:46,679
November so you have a little bit of tie

408
00:19:54,409 --> 00:19:50,220
left if you want to nominate a product

409
00:19:57,169 --> 00:19:54,419
or a service or an even an individual

410
00:19:59,359 --> 00:19:57,179
you can do that via the website we will

411
00:20:03,019 --> 00:19:59,369
have a look at your nominations to make

412
00:20:05,570 --> 00:20:03,029
sure they comply with the guidelines and

413
00:20:08,419 --> 00:20:05,580

who knows maybe your email will lead to

414

00:20:09,290 --> 00:20:08,429

the awarding of this year's event spoon

415

00:20:24,950 --> 00:20:09,300

award

416

00:20:27,870 --> 00:20:24,960

[Music]

417

00:20:30,750 --> 00:20:27,880

and now direct from the cafe and

418

00:20:33,540 --> 00:20:30,760

Australia's Science Channel its brouhaha

419

00:20:41,700 --> 00:20:33,550

science unless time that it takes to

420

00:20:44,040 --> 00:20:41,710

order a coffee with Kelly wand throw

421

00:20:45,570 --> 00:20:44,050

away a textbooks technology is putting

422

00:20:48,360 --> 00:20:45,580

women back in their rightful place in

423

00:20:50,520 --> 00:20:48,370

history researchers have used genomic

424

00:20:53,010 --> 00:20:50,530

analysis to confirm that a skeleton from

425

00:20:56,160 --> 00:20:53,020

a famous Viking warrior grave belong to

426

00:20:57,690 --> 00:20:56,170

a female back in the 1880s a grave was

427

00:20:59,810 --> 00:20:57,700

found with a skeleton that looked like

428

00:21:01,860 --> 00:20:59,820

it belonged to a high-ranking officer

429

00:21:04,290 --> 00:21:01,870

naturally anthropologists and historians

430

00:21:05,760 --> 00:21:04,300

assumed it was a man why else would a

431

00:21:07,740 --> 00:21:05,770

skeleton be buried with all the

432

00:21:09,900 --> 00:21:07,750

belongings of a warrior even their

433

00:21:13,650 --> 00:21:09,910

Viking aah and poetry have depicted

434

00:21:16,200 --> 00:21:13,660

women beside men in battle fast forward

435

00:21:18,140 --> 00:21:16,210

to the 1970s when reanalysis of the

436

00:21:21,210 --> 00:21:18,150

skeleton based on very morphology

437

00:21:25,470 --> 00:21:21,220

identified her as female but was still

438

00:21:27,690 --> 00:21:25,480

dismissed but now in 2017 the historians

439

00:21:30,780 --> 00:21:27,700

and finally stop arguing thanks to

440

00:21:32,580 --> 00:21:30,790

genetic confirmation the researchers say

441

00:21:34,800 --> 00:21:32,590

that the results call for caution

442

00:21:37,470 --> 00:21:34,810

against generalizations regarding social

443

00:21:39,120 --> 00:21:37,480

orders and Hoth's societies with

444

00:21:44,560 --> 00:21:39,130

sophisticated genetic tools at our

445

00:21:59,150 --> 00:21:47,930

for more brouhaha and Australian science

446

00:22:15,730 --> 00:22:09,370

[Music]

447

00:22:19,630 --> 00:22:15,740

a piece of his mind with Professor Paul

448

00:22:29,669 --> 00:22:26,330

[Music]

449

00:22:32,190 --> 00:22:29,679

it was with some reluctance that I took

450

00:22:34,080 --> 00:22:32,200

my son to see the latest spider-man

451

00:22:36,600 --> 00:22:34,090

movie don't get me wrong

452

00:22:38,759 --> 00:22:36,610

I loved the quality father-son time of a

453

00:22:40,470 --> 00:22:38,769

trip to the movies but my reluctance

454

00:22:42,570 --> 00:22:40,480

wasn't based around the violence

455

00:22:46,440 --> 00:22:42,580

misogyny or any age inappropriate

456

00:22:48,960 --> 00:22:46,450

material that might be in the film I was

457

00:22:51,450 --> 00:22:48,970

more concerned about the distraction of

458

00:22:54,090 --> 00:22:51,460

telling fictional stories of mythical

459

00:22:56,340 --> 00:22:54,100

heroes when our attention ought to be

460

00:22:59,129 --> 00:22:56,350

focused on real-world problems and their

461

00:23:01,049 --> 00:22:59,139

solutions and it's not just the latest

462

00:23:03,749 --> 00:23:01,059

crop of superhero films

463

00:23:05,909 --> 00:23:03,759

there must be something deeply ingrained

464

00:23:08,519 --> 00:23:05,919

in the human psyche that is always

465

00:23:11,399 --> 00:23:08,529

hankered for mythical heroes to solve

466

00:23:14,100 --> 00:23:11,409

our real-world problems something

467

00:23:16,590 --> 00:23:14,110

lurking deep inside our brains that

468

00:23:20,609 --> 00:23:16,600

shackles us to the unrealistic answers

469

00:23:23,190 --> 00:23:20,619

to real threats that confront us we live

470

00:23:26,789 --> 00:23:23,200

in a time where there is no place for

471

00:23:29,669 --> 00:23:26,799

Heroes we do not have the luxury of time

472

00:23:32,840 --> 00:23:29,679

to create fictional heroes who vanquish

473

00:23:36,539 --> 00:23:32,850

non-existent foes in make-believe worlds

474

00:23:39,649 --> 00:23:36,549

there are no heroic solutions to the

475

00:23:42,570 --> 00:23:39,659

real problems we face every day and

476
00:23:46,049 --> 00:23:42,580
there are many problems that we need to

477
00:23:49,769 --> 00:23:46,059
confront the solutions to global climate

478
00:23:52,200 --> 00:23:49,779
change overpopulation pollution overuse

479
00:23:55,379 --> 00:23:52,210
of resources under supply of energy and

480
00:23:58,139 --> 00:23:55,389
so on will not include one white knight

481
00:24:02,279 --> 00:23:58,149
in shining armor riding out of the myths

482
00:24:05,850 --> 00:24:02,289
of mythology history is a long chronicle

483
00:24:08,220 --> 00:24:05,860
of the actions of heroes of kings and

484
00:24:10,590 --> 00:24:08,230
emperors Admirals and Generals who

485
00:24:14,159 --> 00:24:10,600
fought battles to save their nations and

486
00:24:17,100 --> 00:24:14,169
conquer foreign lands this history is

487
00:24:19,019 --> 00:24:17,110
written by the heroes but when you

488
00:24:21,480 --> 00:24:19,029

scratch the surface and take another

489

00:24:23,190 --> 00:24:21,490

perspective you often find that they

490

00:24:25,680 --> 00:24:23,200

were not heroes at all

491

00:24:28,649 --> 00:24:25,690

the histories of the vanquished of the

492

00:24:31,169 --> 00:24:28,659

conquered of the dispossessed cast other

493

00:24:34,380 --> 00:24:31,179

people's heroes as villains and the

494

00:24:36,960 --> 00:24:34,390

merchants of evil ultimately the

495

00:24:39,440 --> 00:24:36,970

religious figures gods and goddesses

496

00:24:43,200 --> 00:24:39,450

mythical beasts and elemental forces

497

00:24:45,270 --> 00:24:43,210

were heroic figures able to intercede in

498

00:24:47,900 --> 00:24:45,280

world affairs for the betterment of

499

00:24:50,670 --> 00:24:47,910

humanity even in our supposedly

500

00:24:53,190 --> 00:24:50,680

enlightened modern age there are still

501
00:24:55,620 --> 00:24:53,200
those who place their faith in mythical

502
00:24:58,590 --> 00:24:55,630
religious heroes to solve real-world

503
00:25:01,260 --> 00:24:58,600
problems and I think this is doubly

504
00:25:03,150 --> 00:25:01,270
dangerous not only the danger in the

505
00:25:06,660 --> 00:25:03,160
fact that mythical entities can do

506
00:25:09,170 --> 00:25:06,670
nothing in the real physical world but

507
00:25:11,610 --> 00:25:09,180
such beliefs absolve the followers of

508
00:25:14,850 --> 00:25:11,620
responsibility for addressing and

509
00:25:17,040 --> 00:25:14,860
resolving these problems isn't it time

510
00:25:20,310 --> 00:25:17,050
that we all stood up and took

511
00:25:22,980 --> 00:25:20,320
responsibility for our actions I contend

512
00:25:26,040 --> 00:25:22,990
that we could all work collectively we

513
00:25:29,970 --> 00:25:26,050

could all work together to save the day

514

00:25:32,340 --> 00:25:29,980

we can all become the heroes most of the

515

00:25:34,680 --> 00:25:32,350

world's problems are caused by lots of

516

00:25:37,440 --> 00:25:34,690

people doing a little bit wrong often

517

00:25:40,410 --> 00:25:37,450

out of ignorance sometimes out of malice

518

00:25:43,290 --> 00:25:40,420

but mostly only minor infractions on a

519

00:25:46,230 --> 00:25:43,300

personal level iterated billions of

520

00:25:49,260 --> 00:25:46,240

times across the people of the world so

521

00:25:52,410 --> 00:25:49,270

perhaps the heroes of today needs to be

522

00:25:55,350 --> 00:25:52,420

every single one of us consciously doing

523

00:25:57,510 --> 00:25:55,360

something good something right something

524

00:26:01,140 --> 00:25:57,520

that will address the problems that we

525

00:26:03,150 --> 00:26:01,150

face I did relent and we went off to see

526

00:26:05,820 --> 00:26:03,160

the movie which we both thoroughly

527

00:26:08,520 --> 00:26:05,830

enjoyed a short escape from the woes of

528

00:26:11,340 --> 00:26:08,530

the world around us yes it's only

529

00:26:14,160 --> 00:26:11,350

entertainment yes it is meant to be

530

00:26:16,920 --> 00:26:14,170

escapist but we still need to keep that

531

00:26:19,710 --> 00:26:16,930

hero worship mentality in perspective

532

00:26:21,510 --> 00:26:19,720

it's one thing to have a short escape

533

00:26:25,140 --> 00:26:21,520

for a couple of hours in a darkened

534

00:26:27,270 --> 00:26:25,150

theater but inevitably we have to return

535

00:26:30,060 --> 00:26:27,280

to the reality of daylight when the

536

00:26:48,039 --> 00:26:30,070

movie comes to an end

537

00:26:55,190 --> 00:26:52,159

dr. Harriet Hall MD no into thousands as

538

00:26:58,310 --> 00:26:55,200

the skeptic a retired family physician

539

00:27:00,379 --> 00:26:58,320

and former Air Force flight surgeon she

540

00:27:02,080 --> 00:27:00,389

writes about medicine so-called

541

00:27:05,950 --> 00:27:02,090

complementary and alternative medicine

542

00:27:09,019 --> 00:27:05,960

science quackery and critical thinking

543

00:27:11,299 --> 00:27:09,029

Harriet now has a free course a series

544

00:27:14,659 --> 00:27:11,309

of 10 video lectures on science-based

545

00:27:16,669 --> 00:27:14,669

medicine and alternative medicine the

546

00:27:18,799 --> 00:27:16,679

videos and an accompanying course guide

547

00:27:23,600 --> 00:27:18,809

can be found by following the link at

548

00:27:28,240 --> 00:27:23,610

skip doc info or by visiting web brandy

549

00:27:31,990 --> 00:27:28,250

org slash educational - modules dot

550

00:27:34,220 --> 00:27:32,000

html' topics covered in the series are

551

00:27:35,509 --> 00:27:34,230

science-based medicine vs.

552

00:27:39,320 --> 00:27:35,519

evidence-based medicine

553

00:27:42,529 --> 00:27:39,330

what is Kam chiropractic acupuncture

554

00:27:45,320 --> 00:27:42,539

homeopathy naturopathy and herbal

555

00:27:48,049 --> 00:27:45,330

medicine energy medicine miscellaneous

556

00:27:51,019 --> 00:27:48,059

alternatives pitfalls in research and

557

00:27:52,539 --> 00:27:51,029

science based medicine in the media and

558

00:27:54,950 --> 00:27:52,549

politics

559

00:27:57,379 --> 00:27:54,960

Harriett covers each topic in a

560

00:28:00,649 --> 00:27:57,389

matter-of-fact no-nonsense way that

561

00:28:02,270 --> 00:28:00,659

shorter educate and entertain skeptic

562

00:28:20,220 --> 00:28:02,280

dot info

563

00:28:22,360 --> 00:28:20,230

[Music]

564

00:28:23,950 --> 00:28:22,370

over the past few weeks we've been

565

00:28:26,470 --> 00:28:23,960

keeping you up to date on the

566

00:28:30,760 --> 00:28:26,480

developments with a certain doctor and

567

00:28:33,039 --> 00:28:30,770

GP john pease who you will recall stood

568

00:28:36,010 --> 00:28:33,049

up at the end of a screening of the

569

00:28:38,190 --> 00:28:36,020

movie VAX in melbourne some weeks ago to

570

00:28:41,530 --> 00:28:38,200

announce that he was aiding and abetting

571

00:28:44,380 --> 00:28:41,540

parents who wanted to avoid vaccine the

572

00:28:47,020 --> 00:28:44,390

news is that he has now been suspended

573

00:28:52,090 --> 00:28:47,030

from practice but there's more to this

574

00:28:55,810 --> 00:28:52,100

story of course if there are any doubts

575

00:28:57,940 --> 00:28:55,820

about his motivation we need only turn

576

00:29:01,510 --> 00:28:57,950

to the pages the Australian vaccination

577

00:29:05,980 --> 00:29:01,520

skeptics Network which still you have

578

00:29:09,940 --> 00:29:05,990

the URL avian doctor de you not a VSN

579

00:29:13,180 --> 00:29:09,950

but that's by the by they have published

580

00:29:16,630 --> 00:29:13,190

an article written by dr. john pease and

581

00:29:19,330 --> 00:29:16,640

it says here below is an article dr.

582

00:29:22,060 --> 00:29:19,340

peace has submitted to the melbourne age

583

00:29:25,680 --> 00:29:22,070

it is reprinted with his permission i

584

00:29:29,620 --> 00:29:25,690

don't know if the melbourne aged have

585

00:29:31,060 --> 00:29:29,630

printed this article now i won't read it

586

00:29:35,430 --> 00:29:31,070

all but I think the first paragraph

587

00:29:39,490 --> 00:29:35,440

gives you a good understanding it says I

588

00:29:42,190 --> 00:29:39,500

have been encountering cases of vaccine

589

00:29:45,640 --> 00:29:42,200

injury for over 40 years

590

00:29:47,409 --> 00:29:45,650

in June mint was a happy healthy nearly

591

00:29:49,810 --> 00:29:47,419

five year old whose parents were

592

00:29:51,760 --> 00:29:49,820

required to put her on a catch-up

593

00:29:53,980 --> 00:29:51,770

schedule in order to get her in the

594

00:29:56,190 --> 00:29:53,990

kindergarten she won't be going to

595

00:29:59,830 --> 00:29:56,200

kinder she's in a wheelchair

596

00:30:01,930 --> 00:29:59,840

brain-damaged her life ruined then came

597

00:30:05,169 --> 00:30:01,940

a friend's father who died after a flu

598

00:30:09,120 --> 00:30:05,179

vaccine and last week a four year old

599

00:30:11,860 --> 00:30:09,130

boy made autistic by a catch-up schedule

600

00:30:13,539 --> 00:30:11,870

now he goes on to repeat a lot of the

601
00:30:16,270 --> 00:30:13,549
tropes and a lot of the misinformation

602
00:30:18,580 --> 00:30:16,280
we've heard over many years from the

603
00:30:21,249 --> 00:30:18,590
anti-vaxxers including

604
00:30:23,409 --> 00:30:21,259
the paragraph here vaccines contain

605
00:30:25,950 --> 00:30:23,419
health damaging ingredients not the

606
00:30:28,330 --> 00:30:25,960
least aluminium and known neurotoxin

607
00:30:31,659 --> 00:30:28,340
implicated along with mercury and brain

608
00:30:35,139 --> 00:30:31,669
damage as in autism developmental delay

609
00:30:38,369 --> 00:30:35,149
ADHD and learning difficulties and it

610
00:30:42,039 --> 00:30:38,379
goes on so let there be no doubt as to

611
00:30:44,919 --> 00:30:42,049
his frame of mind but as I mentioned

612
00:30:48,279 --> 00:30:44,929
before he has been suspended and we read

613
00:30:51,279 --> 00:30:48,289

quickly from an article at the ABC ABC

614

00:30:54,730 --> 00:30:51,289

net delay you published on the 15th of

615

00:30:56,289 --> 00:30:54,740

September 2017 a Melbourne doctor who

616

00:30:58,389 --> 00:30:56,299

has been under investigation for his

617

00:31:01,840 --> 00:30:58,399

anti vaccination stance has had his

618

00:31:04,269 --> 00:31:01,850

license to practice suspended dr. John

619

00:31:05,649 --> 00:31:04,279

peace practice in mitchum was raided by

620

00:31:08,680 --> 00:31:05,659

the Australian health practitioner

621

00:31:11,200 --> 00:31:08,690

regulation agency AHPRA and police

622

00:31:13,299 --> 00:31:11,210

officers last week following allegations

623

00:31:16,389 --> 00:31:13,309

he had helped families to avoid

624

00:31:18,070 --> 00:31:16,399

compulsory childhood vaccinations he had

625

00:31:21,639 --> 00:31:18,080

agreed to stop practicing temporarily

626
00:31:23,769 --> 00:31:21,649
while AHPRA investigated the matter but

627
00:31:25,690 --> 00:31:23,779
the Medical Board of Australia immediate

628
00:31:27,639 --> 00:31:25,700
action committee met on Thursday and

629
00:31:30,430 --> 00:31:27,649
decided to suspend his registration

630
00:31:33,489 --> 00:31:30,440
while the investigations into his

631
00:31:36,460 --> 00:31:33,499
practice continued and we discover

632
00:31:42,749 --> 00:31:36,470
another aspect to this saga now as

633
00:31:46,259 --> 00:31:42,759
reported that the herald-sun wwr old son

634
00:31:49,090 --> 00:31:46,269
comdataís you on the 16th of september

635
00:31:51,940 --> 00:31:49,100
kinder kids we have suspect vaccination

636
00:31:54,669 --> 00:31:51,950
exemptions identified in dr john pease

637
00:31:57,190 --> 00:31:54,679
probe and this is a story by Grant

638
00:31:59,019 --> 00:31:57,200

MacArthur the health editor and the

639

00:32:02,409 --> 00:31:59,029

story says the futures of unvaccinated

640

00:32:05,129 --> 00:32:02,419

students at more than 15 kindergartens

641

00:32:08,169 --> 00:32:05,139

and child care centres are under a cloud

642

00:32:12,820 --> 00:32:08,179

because they have exemptions granted by

643

00:32:14,649 --> 00:32:12,830

rogue anti vaccine dr. john pease many

644

00:32:16,259 --> 00:32:14,659

more kindergartens could still be

645

00:32:19,739 --> 00:32:16,269

brought into the anti-vaccination

646

00:32:22,509 --> 00:32:19,749

scandal while the full extent of suspect

647

00:32:23,320 --> 00:32:22,519

immunization exemption forms may never

648

00:32:26,109 --> 00:32:23,330

be known

649

00:32:30,460 --> 00:32:26,119

due to gaping holes in the Australian

650

00:32:32,400 --> 00:32:30,470

and Victorian no laws barold son has

651
00:32:35,880 --> 00:32:32,410
learned that more than 15

652
00:32:37,800 --> 00:32:35,890
childhood centers have so far informed

653
00:32:40,110 --> 00:32:37,810
the Department of Education that they

654
00:32:42,660 --> 00:32:40,120
have unvaccinated students attending

655
00:32:45,750 --> 00:32:42,670
with exemption forms signed by the

656
00:32:48,120 --> 00:32:45,760
Mitchum and GP dr. john pease medical

657
00:32:51,120 --> 00:32:48,130
registration was suspended on Thursday

658
00:32:54,480 --> 00:32:51,130
following revelations in the herald-sun

659
00:32:57,740 --> 00:32:54,490
that he claimed to have helped up to 600

660
00:32:59,850 --> 00:32:57,750
families avoid compulsory vaccinations

661
00:33:01,670 --> 00:32:59,860
I'll link to that stirring the show

662
00:33:05,250 --> 00:33:01,680
notes it does go on with some more

663
00:33:06,960 --> 00:33:05,260

information well this story keeps

664

00:33:12,000 --> 00:33:06,970

unfolding and it was really brought

665

00:33:15,420 --> 00:33:12,010

about because the documentary VAX twas

666

00:33:17,850 --> 00:33:15,430

being shown up and down the the east

667

00:33:19,740 --> 00:33:17,860

coast of Australia and once again

668

00:33:21,930 --> 00:33:19,750

reminds us of the old saying give them

669

00:33:24,150 --> 00:33:21,940

enough rope or one of my favorite ones

670

00:33:27,120 --> 00:33:24,160

was these people only open their mouths

671

00:33:29,250 --> 00:33:27,130

to change feet and we can find this more

672

00:33:33,060 --> 00:33:29,260

and more or quite frequently anyway when

673

00:33:38,650 --> 00:33:33,070

you let people with them extraordinary

674

00:33:43,880 --> 00:33:41,800

and as ever we will bring you any

675

00:33:56,430 --> 00:33:43,890

updates as they come to hand

676

00:33:56,440 --> 00:34:06,120

[Music]

677

00:34:12,240 --> 00:34:09,619

hey Richard hi Trish

678

00:34:13,919 --> 00:34:12,250

would you like a coffee yeah thanks what

679

00:34:15,690 --> 00:34:13,929

you're working on you're trying to come

680

00:34:18,960 --> 00:34:15,700

up with a new promo to play on the

681

00:34:20,879 --> 00:34:18,970

skeptic zone is it for the good thinking

682

00:34:23,369 --> 00:34:20,889

Society in the UK you know Michael

683

00:34:25,590 --> 00:34:23,379

Marshall Simon Singh Norah Thomas and

684

00:34:27,180 --> 00:34:25,600

backed out oh yeah I know them they've

685

00:34:29,790 --> 00:34:27,190

been doing some great work investigating

686

00:34:31,859 --> 00:34:29,800

veterinary homeopathy veterinary

687

00:34:34,139 --> 00:34:31,869

homeopathy what you sugar pill history

688

00:34:35,430 --> 00:34:34,149

cows I know right and also they're

689

00:34:38,250 --> 00:34:35,440

looking at some of the dodgy medical

690

00:34:39,750 --> 00:34:38,260

advice given by UK chiropractors really

691

00:34:42,629 --> 00:34:39,760

okay look but I'll mention all that in

692

00:34:47,010 --> 00:34:42,639

the promo now their website is good

693

00:34:48,330 --> 00:34:47,020

thinking society cool and they've

694

00:34:49,950 --> 00:34:48,340

recently been reporting on the

695

00:34:53,070 --> 00:34:49,960

resurgence of faith healer peter Popoff

696

00:34:59,310 --> 00:34:53,080

you know okay look thanks for that it

697

00:34:59,320 --> 00:35:05,180

[Music]

698

00:35:16,620 --> 00:35:07,970

let's all take this with a grain of salt

699

00:35:21,380 --> 00:35:16,630

he's around second I'm in st. Louis in

700

00:35:25,050 --> 00:35:21,390

the moonrise hotel and I'm attending a

701
00:35:27,420 --> 00:35:25,060
gathering of astronomy enthusiasts who

702
00:35:30,510 --> 00:35:27,430
are looking forward to watching the

703
00:35:33,930 --> 00:35:30,520
Eclipse tomorrow together and I am here

704
00:35:36,599 --> 00:35:33,940
with you have Landsman who have met but

705
00:35:39,240 --> 00:35:36,609
five or six years ago I think it was in

706
00:35:40,710 --> 00:35:39,250
Israelibly because you're also involved

707
00:35:42,780 --> 00:35:40,720
with the Israeli skeptics or were

708
00:35:43,440 --> 00:35:42,790
involved with Israeli skeptics if they

709
00:35:49,530 --> 00:35:43,450
still exist

710
00:35:51,630 --> 00:35:49,540
yeah let's organize but we're still

711
00:35:53,820 --> 00:35:51,640
we're still there okay

712
00:35:55,890 --> 00:35:53,830
so but we won't be speaking much about

713
00:35:58,590 --> 00:35:55,900

skepticism now what I would like to

714

00:36:01,650 --> 00:35:58,600

speak to you about is space il could you

715

00:36:04,260 --> 00:36:01,660

tell us that what space is space al is

716

00:36:07,170 --> 00:36:04,270

the Israeli team in the Google Lunar

717

00:36:10,440 --> 00:36:07,180

XPrize competition the mission is to

718

00:36:12,590 --> 00:36:10,450

develop and launch a spacecraft a

719

00:36:14,750 --> 00:36:12,600

robotic spacecraft

720

00:36:17,990 --> 00:36:14,760

and to land it on the moon to take

721

00:36:19,760 --> 00:36:18,000

pictures and to travel at least 500

722

00:36:22,070 --> 00:36:19,770

meters on the surface are above the

723

00:36:23,930 --> 00:36:22,080

surface of them of the moon and question

724

00:36:28,120 --> 00:36:23,940

transmitted the pictures in the video

725

00:36:30,830 --> 00:36:28,130

back and all that with private funding

726

00:36:33,500 --> 00:36:30,840

so just just to clarify something you

727

00:36:36,710 --> 00:36:33,510

said travel it's actually a hop right

728

00:36:39,860 --> 00:36:36,720

not not or is it we always we're doing a

729

00:36:44,420 --> 00:36:39,870

hop most of the other teams developed a

730

00:36:47,900 --> 00:36:44,430

rover that's going to move across the on

731

00:36:50,570 --> 00:36:47,910

the surface so but you chose a hop we

732

00:36:53,350 --> 00:36:50,580

choose a hop why is that we reached to

733

00:36:57,470 --> 00:36:53,360

the competition at the last moment

734

00:37:00,110 --> 00:36:57,480

that's the Israeli way by then most of

735

00:37:03,350 --> 00:37:00,120

the all of the other groups were already

736

00:37:05,990 --> 00:37:03,360

in development of two or three years and

737

00:37:09,290 --> 00:37:06,000

we figured out that if we are going to

738

00:37:09,890 --> 00:37:09,300

develop her over in addition to the

739

00:37:13,730 --> 00:37:09,900

spacecraft

740

00:37:16,370 --> 00:37:13,740

then it's a completely additional

741

00:37:17,660 --> 00:37:16,380

project and we cannot afford that we

742

00:37:20,240 --> 00:37:17,670

don't have the time without of the

743

00:37:23,360 --> 00:37:20,250

people we found another way with fact we

744

00:37:26,440 --> 00:37:23,370

just use this same spacecraft that

745

00:37:29,600 --> 00:37:26,450

landed at the first time on the surface

746

00:37:33,250 --> 00:37:29,610

with the same propulsion system with the

747

00:37:37,220 --> 00:37:33,260

same landing gear who take the complete

748

00:37:39,110 --> 00:37:37,230

spacecraft and just make it talk and and

749

00:37:40,400 --> 00:37:39,120

this was when you're talking about when

750

00:37:43,150 --> 00:37:40,410

you make that decision when you joined

751
00:37:47,270 --> 00:37:43,160
the competition that was that was 2011

752
00:37:49,910 --> 00:37:47,280
okay so six years ago yeah and how far

753
00:37:52,480 --> 00:37:49,920
along are you know in six years later it

754
00:37:56,240 --> 00:37:52,490
took us some time we need to major

755
00:37:59,660 --> 00:37:56,250
redesign that we had to do in order to

756
00:38:03,320 --> 00:37:59,670
to make it but currently we're in

757
00:38:05,690 --> 00:38:03,330
integration it means that most of the

758
00:38:08,990 --> 00:38:05,700
spacecraft they structure a propulsion

759
00:38:11,960 --> 00:38:09,000
system and most of the sensors and the

760
00:38:15,880 --> 00:38:11,970
electronics are already in our hands and

761
00:38:17,070 --> 00:38:15,890
we're now assembling the spacecraft and

762
00:38:19,650 --> 00:38:17,080
begin

763
00:38:21,720 --> 00:38:19,660

testing of the units deterrent will

764

00:38:25,890 --> 00:38:21,730

build testing of the whole system so

765

00:38:28,020 --> 00:38:25,900

it's advanced development and when do

766

00:38:31,320 --> 00:38:28,030

you expect to be finished it will be

767

00:38:33,660 --> 00:38:31,330

finished by the end of this of this year

768

00:38:37,020 --> 00:38:33,670

or at the beginning of the next year the

769

00:38:39,120 --> 00:38:37,030

launch will be next year we already have

770

00:38:42,450 --> 00:38:39,130

a lab launch actually it was one of the

771

00:38:44,670 --> 00:38:42,460

requirements of the competition in order

772

00:38:47,430 --> 00:38:44,680

to make it to the finals

773

00:38:50,820 --> 00:38:47,440

at the beginning there were 33 teams

774

00:38:54,750 --> 00:38:50,830

that were registered and by last year

775

00:38:58,110 --> 00:38:54,760

only 16 teams were still at the

776

00:39:01,260 --> 00:38:58,120

competition and only the ones who had

777

00:39:03,540 --> 00:39:01,270

already had a launch contract continue

778

00:39:06,000 --> 00:39:03,550

to the finals and therefore there are

779

00:39:08,160 --> 00:39:06,010

only five teams in a competition right

780

00:39:10,350 --> 00:39:08,170

now we were the first team to have a

781

00:39:14,010 --> 00:39:10,360

contract who is your contact with its

782

00:39:16,700 --> 00:39:14,020

with the SpaceX Falcon 9 rocket but the

783

00:39:20,610 --> 00:39:16,710

contract is with the spaceflight it's a

784

00:39:24,480 --> 00:39:20,620

company that connects the launching

785

00:39:26,970 --> 00:39:24,490

service the provider of the rocket with

786

00:39:29,280 --> 00:39:26,980

the clients because it's a small

787

00:39:31,800 --> 00:39:29,290

spacecraft we can't have a complete

788

00:39:33,840 --> 00:39:31,810

rocket for ourselves and we need to

789

00:39:37,560 --> 00:39:33,850

share it share the ride with other place

790

00:39:40,560 --> 00:39:37,570

like it provides that service what is

791

00:39:43,920 --> 00:39:40,570

your role in this project I'm a Senior

792

00:39:47,790 --> 00:39:43,930

Systems Engineer and system engineer is

793

00:39:50,010 --> 00:39:47,800

the is the one that can understand all

794

00:39:54,110 --> 00:39:50,020

the other fields of engineering in order

795

00:39:58,860 --> 00:39:54,120

to make the orchestra play together

796

00:40:01,470 --> 00:39:58,870

because you have the electrical

797

00:40:05,610 --> 00:40:01,480

engineers and this structure engineers

798

00:40:07,470 --> 00:40:05,620

and the Onyx engineers and the attitude

799

00:40:11,640 --> 00:40:07,480

control engineers and computer engineers

800

00:40:14,970 --> 00:40:11,650

and each one of the group has excellent

801

00:40:17,880 --> 00:40:14,980

people and they can do their work to

802

00:40:20,580 --> 00:40:17,890

make a high level product but someone

803

00:40:23,070 --> 00:40:20,590

needs to make the effort of combining

804

00:40:25,380 --> 00:40:23,080

and integrating all all of their work

805

00:40:27,540 --> 00:40:25,390

and to make the compromises in order to

806

00:40:30,540 --> 00:40:27,550

have a one system

807

00:40:34,230 --> 00:40:30,550

that is working according to what you

808

00:40:35,040 --> 00:40:34,240

have to get in order to a to have the

809

00:40:37,860 --> 00:40:35,050

right results

810

00:40:41,280 --> 00:40:37,870

I'm a senior engineer I'm a system

811

00:40:44,160 --> 00:40:41,290

engineer for spacecraft 15 years

812

00:40:46,890 --> 00:40:44,170

that's a while yeah although this is my

813

00:40:49,830 --> 00:40:46,900

first deep space mission so when you say

814

00:40:52,500 --> 00:40:49,840

deep space you mean beyond beyond beyond

815

00:40:54,360 --> 00:40:52,510

Earth orbit and how many people are

816

00:40:57,680 --> 00:40:54,370

there in the project altogether I think

817

00:40:58,830 --> 00:40:57,690

if I remember correctly we are about 30

818

00:41:01,260 --> 00:40:58,840

people

819

00:41:03,690 --> 00:41:01,270

okay what about testing what do you do

820

00:41:06,600 --> 00:41:03,700

the testing you have several levels of

821

00:41:09,480 --> 00:41:06,610

testing the unique level testing means

822

00:41:12,590 --> 00:41:09,490

that you get from there from suppliers

823

00:41:16,290 --> 00:41:12,600

say electronic box and you have the

824

00:41:18,780 --> 00:41:16,300

documents of of this box and you need to

825

00:41:20,700 --> 00:41:18,790

check that everything in the document is

826

00:41:24,660 --> 00:41:20,710

according to the requirements and

827

00:41:28,890 --> 00:41:24,670

according to what's documented we began

828

00:41:32,520 --> 00:41:28,900

doing the landing impact tests which

829

00:41:36,030 --> 00:41:32,530

means to take complete sets of landing

830

00:41:39,540 --> 00:41:36,040

gear and study the impact effects on

831

00:41:43,530 --> 00:41:39,550

different kinds of materials you'll not

832

00:41:47,340 --> 00:41:43,540

dust simulated descend on surfaces like

833

00:41:49,320 --> 00:41:47,350

that are harder than sent and stuff like

834

00:41:52,050 --> 00:41:49,330

that it's a complete set of fair of

835

00:41:53,970 --> 00:41:52,060

tests to see if your design works there

836

00:41:55,800 --> 00:41:53,980

will be another test of the complete

837

00:41:59,850 --> 00:41:55,810

structure model of the spacecraft with

838

00:42:04,170 --> 00:41:59,860

the four legs in a facility outside of

839

00:42:06,840 --> 00:42:04,180

Israel they have a robotic arm that can

840

00:42:10,620 --> 00:42:06,850

simulate the landing or actually the

841

00:42:15,270 --> 00:42:10,630

impact on the ground on a changing

842

00:42:18,240 --> 00:42:15,280

scenario for example on a slope or when

843

00:42:20,970 --> 00:42:18,250

you're not exactly stabilized that means

844

00:42:23,250 --> 00:42:20,980

that one leg is hitting hard on impact

845

00:42:26,100 --> 00:42:23,260

and what's happening to the spacecraft

846

00:42:29,820 --> 00:42:26,110

is if it's rotating because of that a

847

00:42:32,160 --> 00:42:29,830

lot of a lot of scenarios with rocks for

848

00:42:35,580 --> 00:42:32,170

example what we try to achieve with that

849

00:42:38,290 --> 00:42:35,590

is to prove the design and to study the

850

00:42:43,030 --> 00:42:38,300

effects that might happen

851
00:42:45,130 --> 00:42:43,040
in less than optimal results so space

852
00:42:47,440 --> 00:42:45,140
I'll participate in the Google XPrize

853
00:42:50,830 --> 00:42:47,450
competition however I presume that the

854
00:42:52,210 --> 00:42:50,840
goal of space it is not only to win the

855
00:42:53,470 --> 00:42:52,220
prize I mean even if you don't win the

856
00:42:55,990 --> 00:42:53,480
prize there are some achievements that

857
00:42:58,030 --> 00:42:56,000
you're looking forward to making that's

858
00:43:01,630 --> 00:42:58,040
right we are first of all we are

859
00:43:03,670 --> 00:43:01,640
nonprofit our main goal is is

860
00:43:06,940 --> 00:43:03,680
educational we thought that from

861
00:43:09,760 --> 00:43:06,950
actually from day one that if we are

862
00:43:12,070 --> 00:43:09,770
going to land a spacecraft on the moon

863
00:43:16,630 --> 00:43:12,080

and nobody knows about that

864

00:43:20,170 --> 00:43:16,640

it's a completes its uses it has no

865

00:43:23,470 --> 00:43:20,180

meaning and if we're going to go for

866

00:43:26,560 --> 00:43:23,480

this tremendous endeavor we have to use

867

00:43:29,220 --> 00:43:26,570

it as a leverage for the education of

868

00:43:32,710 --> 00:43:29,230

young people in Israel of kids and youth

869

00:43:35,080 --> 00:43:32,720

especially in the fields of stem so we

870

00:43:38,200 --> 00:43:35,090

have a very large group of volunteers

871

00:43:41,020 --> 00:43:38,210

that give lectures to anyone free of

872

00:43:46,060 --> 00:43:41,030

charge in Israel mainly for for schools

873

00:43:50,340 --> 00:43:46,070

but also for kindergarten and to adults

874

00:43:53,290 --> 00:43:50,350

and companies and seminars and

875

00:43:56,040 --> 00:43:53,300

conventions and everywhere we we count

876

00:44:00,460 --> 00:43:56,050

the kids that we encounter and we

877

00:44:02,460 --> 00:44:00,470

already gave lectures to several tens of

878

00:44:05,620 --> 00:44:02,470

thousands of kids around the country

879

00:44:07,510 --> 00:44:05,630

well this a country the size of Israel

880

00:44:10,150 --> 00:44:07,520

that's the sizable proportion of the

881

00:44:12,610 --> 00:44:10,160

children in Israel we want to reach

882

00:44:15,100 --> 00:44:12,620

actually everyone because if the kids

883

00:44:17,350 --> 00:44:15,110

learn about space L and they're excited

884

00:44:19,930 --> 00:44:17,360

about that the parents will know about

885

00:44:22,540 --> 00:44:19,940

that for sure currently we're taking a

886

00:44:25,990 --> 00:44:22,550

very small scientific apparatus small

887

00:44:28,510 --> 00:44:26,000

magnetometer a sensor which will get

888

00:44:30,100 --> 00:44:28,520

measurements during the landing which is

889

00:44:33,070 --> 00:44:30,110

where the magnetic field of the moon is

890

00:44:35,020 --> 00:44:33,080

important because the moon doesn't have

891

00:44:37,060 --> 00:44:35,030

a magnetic field of its own at least not

892

00:44:39,850 --> 00:44:37,070

a global one but you have a magnetic

893

00:44:43,420 --> 00:44:39,860

field on the surface because of because

894

00:44:44,800 --> 00:44:43,430

of the rocks it's very local and there

895

00:44:47,170 --> 00:44:44,810

are a lot of questions about that

896

00:44:49,510 --> 00:44:47,180

scientific questions about the origin of

897

00:44:50,180 --> 00:44:49,520

the moon that needs this data in order

898

00:44:52,730 --> 00:44:50,190

to

899

00:44:55,670 --> 00:44:52,740

answered the only way of getting this

900

00:44:58,520 --> 00:44:55,680

answered is by flying very close to the

901
00:45:01,730 --> 00:44:58,530
ground so during the landing we're going

902
00:45:04,490 --> 00:45:01,740
to record that magnetic field and during

903
00:45:06,590 --> 00:45:04,500
the help and during the hop there are a

904
00:45:08,990 --> 00:45:06,600
lot of interesting things on the one

905
00:45:11,000 --> 00:45:09,000
that wouldn't never been researched so

906
00:45:13,370 --> 00:45:11,010
it sounds like you are planning to stick

907
00:45:15,170 --> 00:45:13,380
around if if it happens if if there are

908
00:45:17,720 --> 00:45:15,180
opportunities in the future of space

909
00:45:20,360 --> 00:45:17,730
I'll probably I'll just say that if

910
00:45:24,680 --> 00:45:20,370
there will be a chance of participating

911
00:45:26,420 --> 00:45:24,690
in a more exciting mission then I might

912
00:45:28,160 --> 00:45:26,430
want to do that okay we'll make sure

913
00:45:31,700 --> 00:45:28,170

that we have you seen who you ready on

914

00:45:34,450 --> 00:45:31,710

our website no problem with that I think

915

00:45:38,570 --> 00:45:34,460

that the spirit of this competition is

916

00:45:40,910 --> 00:45:38,580

to show people that it can be done when

917

00:45:44,030 --> 00:45:40,920

the competition was announced the first

918

00:45:47,120 --> 00:45:44,040

time I think it was 2007 it was

919

00:45:50,420 --> 00:45:47,130

something impossible it's something that

920

00:45:54,200 --> 00:45:50,430

if government wants to do that they can

921

00:45:57,020 --> 00:45:54,210

do it they already done that the United

922

00:46:00,560 --> 00:45:57,030

States did it NASA did it and the

923

00:46:04,430 --> 00:46:00,570

Russians and lately the chain is this is

924

00:46:07,700 --> 00:46:04,440

a proof that the private the private

925

00:46:11,240 --> 00:46:07,710

sector can do that also the reasoning of

926
00:46:13,720 --> 00:46:11,250
doing that is still debatable but but it

927
00:46:15,560 --> 00:46:13,730
can be done doing the impossible is

928
00:46:19,820 --> 00:46:15,570
something that ignites the imagination

929
00:46:21,940 --> 00:46:19,830
and I think that's worth doing and I

930
00:46:25,420 --> 00:46:21,950
think this is the spirit of this

931
00:46:27,080 --> 00:46:25,430
companies it's not about money or

932
00:46:31,190 --> 00:46:27,090
commercial business

933
00:46:33,500 --> 00:46:31,200
it's about imagination and when we talk

934
00:46:36,650 --> 00:46:33,510
with kids about what we are doing you

935
00:46:39,440 --> 00:46:36,660
can see it in their eyes that they

936
00:46:42,980 --> 00:46:39,450
believe in us and they want to to do

937
00:46:46,700 --> 00:46:42,990
something in order to help us and that

938
00:46:49,190 --> 00:46:46,710

something is maybe to be the engineers

939

00:46:52,340 --> 00:46:49,200

or the scientists of the next generation

940

00:46:53,900 --> 00:46:52,350

missions for example a lot of kids ask

941

00:46:56,360 --> 00:46:53,910

the question of what's going to happen

942

00:46:57,230 --> 00:46:56,370

with the spacecraft after we finish the

943

00:46:59,420 --> 00:46:57,240

mission

944

00:47:01,910 --> 00:46:59,430

and we're telling them that it's going

945

00:47:04,520 --> 00:47:01,920

to stay there we can't launch it back

946

00:47:07,880 --> 00:47:04,530

from the moon but if they want to

947

00:47:10,730 --> 00:47:07,890

participate or to leave the next mission

948

00:47:13,280 --> 00:47:10,740

of retrieving it back to earth then it's

949

00:47:16,100 --> 00:47:13,290

something they can do Cal study yes them

950

00:47:18,260 --> 00:47:16,110

subjects yeah that's that's a very good

951
00:47:21,530 --> 00:47:18,270
message if people want to find out more

952
00:47:23,000 --> 00:47:21,540
about the the competition in general and

953
00:47:25,220 --> 00:47:23,010
about space al in particular where do

954
00:47:28,760 --> 00:47:25,230
they go and the competition is is on a

955
00:47:31,670 --> 00:47:28,770
website just Google glxp Google Lunar

956
00:47:37,310 --> 00:47:31,680
XPrize you will find out there very easy

957
00:47:41,180 --> 00:47:37,320
the space al is on wwwp al comm also

958
00:47:43,700 --> 00:47:41,190
very easy and you can have all the

959
00:47:45,780 --> 00:47:43,710
information there ok you have landsman

960
00:47:51,260 --> 00:47:45,790
thank you very much thank you

961
00:48:01,059 --> 00:47:58,420
[Music]

962
00:48:02,950 --> 00:48:01,069
the New Zealand skeptics conference me

963
00:48:06,330 --> 00:48:02,960

is happening on the weekend of the 24th

964

00:48:08,010 --> 00:48:06,340

to the 26th of November in Wellington

965

00:48:10,930 --> 00:48:08,020

[Music]

966

00:48:13,839 --> 00:48:10,940

the weekend starts on Friday evening

967

00:48:16,750 --> 00:48:13,849

with a pub quiz all about skepticism and

968

00:48:18,849 --> 00:48:16,760

is open for anybody registered for the

969

00:48:20,799 --> 00:48:18,859

conference the New Zealand skeptics have

970

00:48:22,930 --> 00:48:20,809

a greater lineup for the conference both

971

00:48:24,760 --> 00:48:22,940

on Saturday and Sunday they're

972

00:48:27,819 --> 00:48:24,770

especially excited to have the Cara

973

00:48:30,400 --> 00:48:27,829

Santa Maria from the skeptics guide to

974

00:48:32,829 --> 00:48:30,410

the universe podcast and brit hermes x

975

00:48:35,319 --> 00:48:32,839

naturopath who now blogs for

976
00:48:37,690 --> 00:48:35,329
science-based medicine joining them this

977
00:48:40,120 --> 00:48:37,700
year from overseas but they also have

978
00:48:43,530 --> 00:48:40,130
some fascinating locals and some

979
00:48:48,270 --> 00:48:45,750
you can see a list of the current lineup

980
00:48:52,520 --> 00:48:48,280
of speakers by visiting the conference

981
00:48:55,440 --> 00:48:52,530
website conference dot sceptics NZ and

982
00:48:57,510 --> 00:48:55,450
tickets are very reasonably priced and

983
00:49:00,690 --> 00:48:57,520
available for the entire weekend or just

984
00:49:03,210 --> 00:49:00,700
one day on Saturday evening the NZ

985
00:49:05,610 --> 00:49:03,220
skeptics are hosting a dinner separate

986
00:49:07,590 --> 00:49:05,620
registration required where you can

987
00:49:10,530 --> 00:49:07,600
chill out with fellow skeptics chat with

988
00:49:14,580 --> 00:49:10,540

the speakers and enjoy some weird and

989

00:49:16,350 --> 00:49:14,590

wonderful entertainment now for that

990

00:49:19,320 --> 00:49:16,360

sounds like fun please head to the

991

00:49:23,280 --> 00:49:19,330

website and book your ticket conference

992

00:49:37,900 --> 00:49:23,290

dot skeptics dot NZ

993

00:49:42,530 --> 00:49:40,280

thank you for listening to the skipping

994

00:49:44,690 --> 00:49:42,540

zone now to recap that question from the

995

00:49:47,000 --> 00:49:44,700

beginning of the show hi Richard it's

996

00:49:50,030 --> 00:49:47,010

Celeste reward from squaring the strange

997

00:49:52,640 --> 00:49:50,040

podcast my question for you is what do

998

00:49:55,550 --> 00:49:52,650

you think is the most dangerous form of

999

00:49:57,950 --> 00:49:55,560

whoo or pseudoscience facing the human

1000

00:50:00,290 --> 00:49:57,960

race right now yes I've been having a

1001
00:50:02,560 --> 00:50:00,300
bit of a think about that and I don't

1002
00:50:07,370 --> 00:50:02,570
think it's things like psychics and

1003
00:50:09,230 --> 00:50:07,380
water divining predicting the future

1004
00:50:12,290 --> 00:50:09,240
that sort of traditional stuff people

1005
00:50:15,079 --> 00:50:12,300
who believe in UFOs I think that what

1006
00:50:18,800 --> 00:50:15,089
presents the most danger to humanity in

1007
00:50:22,819 --> 00:50:18,810
general would be the pseudoscience

1008
00:50:24,260 --> 00:50:22,829
revolving around medical beliefs and

1009
00:50:26,420 --> 00:50:24,270
opinions especially when it comes to the

1010
00:50:29,420 --> 00:50:26,430
conspiracy theories with anti-vaxxers

1011
00:50:34,640 --> 00:50:29,430
because they're fear-mongering and

1012
00:50:36,770 --> 00:50:34,650
activities have led to things like polio

1013
00:50:38,839 --> 00:50:36,780

not being wiped out yet or pockets

1014

00:50:41,120 --> 00:50:38,849

coming back or diseases coming back

1015

00:50:44,480 --> 00:50:41,130

where they should have been consigned to

1016

00:50:48,050 --> 00:50:44,490

the annals of history by now so I think

1017

00:50:50,930 --> 00:50:48,060

that probably presents the biggest

1018

00:50:52,520 --> 00:50:50,940

danger to individuals to people I might

1019

00:50:55,040 --> 00:50:52,530

be wrong and be interested to hear your

1020

00:50:57,200 --> 00:50:55,050

opinion if you want to if you want to

1021

00:51:00,559 --> 00:50:57,210

give me your opinion you can do that via

1022

00:51:05,359 --> 00:51:00,569

The Voice bite app and don't forget to

1023

00:51:08,120 --> 00:51:05,369

use the hashtag skeptic zone so those

1024

00:51:10,040 --> 00:51:08,130

messages get to me now here's a little

1025

00:51:12,470 --> 00:51:10,050

note from the Australian skeptic

1026

00:51:14,180 --> 00:51:12,480

skeptics don't come today you if you

1027

00:51:15,589 --> 00:51:14,190

were to keep up to date like I do

1028

00:51:17,510 --> 00:51:15,599

if you want to keep up to date with

1029

00:51:19,130 --> 00:51:17,520

what's going on with Australian skeptics

1030

00:51:22,190 --> 00:51:19,140

and the investigations and news and

1031

00:51:25,180 --> 00:51:22,200

information subscribe to the online

1032

00:51:28,520 --> 00:51:25,190

newsletter gets sent direct your inbox

1033

00:51:30,410 --> 00:51:28,530

skeptics dot-com today you and click the

1034

00:51:34,190 --> 00:51:30,420

link to subscribe to the regular

1035

00:51:35,359 --> 00:51:34,200

newsletter coming up on the skeptic zone

1036

00:51:37,460 --> 00:51:35,369

I'm sure we're going to have some more

1037

00:51:40,910 --> 00:51:37,470

rare reports from the globe-trotting

1038

00:51:43,870 --> 00:51:40,920

around together who is as I speak in

1039

00:51:46,760 --> 00:51:43,880

Poland at the European skeptics Congress

1040

00:51:49,970 --> 00:51:46,770

also look out there is a new bunga bunga

1041

00:51:52,280 --> 00:51:49,980

podcast with Maynard and Tim Ferguson do

1042

00:51:54,859 --> 00:51:52,290

visit maynard comdataís youth for the

1043

00:51:57,800 --> 00:51:54,869

latest bunga bunga podcast but i'm sure

1044

00:51:59,330 --> 00:51:57,810

you subscribe anyway and lastly thank

1045

00:52:01,550 --> 00:51:59,340

you to the people who do chip in to help

1046

00:52:04,099 --> 00:52:01,560

maenad with bunga bunga via patreon and

1047

00:52:06,830 --> 00:52:04,109

the people who do chip into the skeptics

1048

00:52:09,550 --> 00:52:06,840

own podcast without your support both

1049

00:52:12,320 --> 00:52:09,560

podcasts in fact simply wouldn't exist

1050

00:52:14,810 --> 00:52:12,330

but for this week this is Richard

1051
00:52:21,200 --> 00:52:14,820
Saunders signing off from Sydney

1052
00:52:23,900 --> 00:52:21,210
Australia you've been listening to the

1053
00:52:28,490 --> 00:52:23,910
skeptic zone podcast please visit our

1054
00:52:31,790 --> 00:52:28,500
website at WWDC be for show notes

1055
00:52:35,990 --> 00:52:31,800
contacts and to access the bat catalog

1056
00:52:37,700 --> 00:52:36,000
of episodes going back to 2008 you can

1057
00:52:40,760 --> 00:52:37,710
follow the skeptic zone podcast on

1058
00:52:43,040 --> 00:52:40,770
twitter at skeptic zone visit our

1059
00:52:43,930 --> 00:52:43,050
facebook page or leave a review on

1060
00:52:46,609 --> 00:52:43,940
itunes

1061
00:52:50,510 --> 00:52:46,619
you can also support the skeptic zone

1062
00:52:53,090 --> 00:52:50,520
via patreon or paypal you can be part of

1063
00:52:57,500 --> 00:52:53,100

the show by downloading the voice byte

1064

00:53:00,859 --> 00:52:57,510

app at Voice bite comm and using the

1065

00:53:03,580 --> 00:53:00,869

hashtag skeptic zone the skeptic zone

1066

00:53:05,960 --> 00:53:03,590

podcast is an independent production

1067

00:53:08,090 --> 00:53:05,970

reviews and opinions expressed on the

1068

00:53:10,430 --> 00:53:08,100

skeptic zone are not necessarily those

1069

00:53:12,260 --> 00:53:10,440

of Australian skeptics or any other