

1
00:00:00,000 --> 00:00:09,119
[Music]

2
00:00:05,929 --> 00:00:11,839
welcome to the skeptic zone the podcast

3
00:00:09,119 --> 00:00:13,919
from Australia for science and reason

4
00:00:11,839 --> 00:00:16,850
[Music]

5
00:00:13,919 --> 00:00:22,460
[Applause]

6
00:00:16,850 --> 00:00:25,199
[Music]

7
00:00:22,460 --> 00:00:28,618
yes it's the skeptic zone podcast

8
00:00:25,199 --> 00:00:31,800
episode number 466 for the 24th of

9
00:00:28,618 --> 00:00:33,780
September 2017 richardsaunders here with

10
00:00:31,800 --> 00:00:36,929
you from a very warm and toasty Sydney

11
00:00:33,780 --> 00:00:38,609
Australia in fact yesterday yesterday

12
00:00:36,929 --> 00:00:41,878
they said it was a record-breaking heat

13
00:00:38,609 --> 00:00:45,439
wave day again the hottest September day

14
00:00:41,878 --> 00:00:47,640
ever recorded Wow

15
00:00:45,439 --> 00:00:49,488
coming up on this week's episode of the

16
00:00:47,640 --> 00:00:52,079
skeptical zone we're gonna kick off with a

17
00:00:49,488 --> 00:00:54,628
little report from susan goreck from

18
00:00:52,079 --> 00:00:57,539
guerrilla skepticism susan is making her

19
00:00:54,628 --> 00:01:00,058
way through Europe she's ended up but

20
00:00:57,539 --> 00:01:02,908
the European skeptics Congress I have a

21
00:01:00,058 --> 00:01:04,920
quick chat to her about how that's going

22
00:01:02,908 --> 00:01:07,228
because right now it's sort of right in

23
00:01:04,920 --> 00:01:09,090
the middle of that Congress and also

24
00:01:07,228 --> 00:01:14,158
we'll hear some other reports where she

25
00:01:09,090 --> 00:01:17,070
went to Sweden and Denmark and visited

26
00:01:14,159 --> 00:01:20,580
skeptics in the pub that sounds like a

27
00:01:17,069 --> 00:01:23,399
good tour to me susan gerbic European

28
00:01:20,579 --> 00:01:26,129
tour following that it's a story about

29

00:01:23,400 --> 00:01:28,649
the upcoming bent spoon award from

30
00:01:26,129 --> 00:01:30,420
Australian sceptics now the bench spoon

31
00:01:28,649 --> 00:01:32,728
is the annual award given to the most

32
00:01:30,420 --> 00:01:37,530
preposterous piece of paranormal or

33
00:01:32,728 --> 00:01:40,019
pseudo scientific people and it's open

34
00:01:37,530 --> 00:01:42,149
to nominations if you know of an

35
00:01:40,019 --> 00:01:44,548
organization an individual and a park in

36
00:01:42,149 --> 00:01:46,649
Australia you think is worthy of the

37
00:01:44,549 --> 00:01:49,200
bench spoon anyway this story coming up

38
00:01:46,649 --> 00:01:51,718
is a report about the sum of the current

39
00:01:49,200 --> 00:01:54,499
nominations for the bench spoon award

40
00:01:51,718 --> 00:01:57,989
and that award will be given out during

41
00:01:54,498 --> 00:02:01,978
the annual convention dinner coming up

42
00:01:57,989 --> 00:02:05,368
in in November after that it's brouhaha

43
00:02:01,978 --> 00:02:07,769

science from Australia science TV Kelly

44

00:02:05,368 --> 00:02:10,530

Wang talking about what seems to be the

45

00:02:07,769 --> 00:02:14,629

discovery that an ancient Viking was in

46

00:02:10,530 --> 00:02:17,370

fact a female all along and not a male

47

00:02:14,629 --> 00:02:21,120

then we have a new segment from our good

48

00:02:17,370 --> 00:02:22,110

friend professor Paul Willis a piece of

49

00:02:21,120 --> 00:02:24,209

his mind

50

00:02:22,110 --> 00:02:25,830

Paul Willis will give you a piece of his

51

00:02:24,209 --> 00:02:29,009

mind he's going to be talking about

52

00:02:25,830 --> 00:02:31,200

heroes on the big screen but should we

53

00:02:29,009 --> 00:02:34,289

be looking there to solve the world's

54

00:02:31,199 --> 00:02:35,789

problems after that it's an update

55

00:02:34,289 --> 00:02:38,400

another update about the

56

00:02:35,789 --> 00:02:42,150

anti-vaccination doctor dr. john pease

57

00:02:38,400 --> 00:02:45,000

and it seems that he has indeed been

58
00:02:42,150 --> 00:02:46,829
suspended from practice but there is

59
00:02:45,000 --> 00:02:48,870
more to the story than that and other

60
00:02:46,829 --> 00:02:52,019
ramifications an update later on in the

61
00:02:48,870 --> 00:02:54,629
show then to round off the show grain of

62
00:02:52,019 --> 00:02:58,680
salt with a runs again this week iran

63
00:02:54,628 --> 00:03:01,739
chats to yell of lungs minh about his

64
00:02:58,680 --> 00:03:05,549
work we have space IL and the thirty

65
00:03:01,739 --> 00:03:08,310
million dollar google lunar xprize to

66
00:03:05,549 --> 00:03:10,650
get to the moon he's going to be

67
00:03:08,310 --> 00:03:13,500
discussing the the craft

68
00:03:10,650 --> 00:03:19,158
they're sending which will bounce on the

69
00:03:13,500 --> 00:03:22,229
moon bounce but not fly or hover or Rove

70
00:03:19,158 --> 00:03:25,168
but bounce bouncing on the moon coming

71
00:03:22,229 --> 00:03:27,688
up to round off the show now before we

72
00:03:25,169 --> 00:03:29,790
start here's a new rare and you think

73
00:03:27,688 --> 00:03:32,128
i'm trying out for the skeptic zone if

74
00:03:29,789 --> 00:03:35,429
you download an app free app called

75
00:03:32,128 --> 00:03:38,009
voice bite and there's a link on on the

76
00:03:35,430 --> 00:03:42,030
website at skeptic zone TV thought the

77
00:03:38,009 --> 00:03:45,840
link is voice byte b YT e comm you can

78
00:03:42,030 --> 00:03:47,939
send in 15-second questions or comments

79
00:03:45,840 --> 00:03:51,150
directly to me directly to the skeptic

80
00:03:47,939 --> 00:03:53,158
zone and at the same time those little

81
00:03:51,150 --> 00:03:55,979
voice clips can be sent out on your

82
00:03:53,158 --> 00:03:57,719
Twitter feed or your Facebook feed all

83
00:03:55,979 --> 00:04:02,370
you have to do is make the recording and

84
00:03:57,719 --> 00:04:04,949
use the hashtag skeptic zone and we even

85
00:04:02,370 --> 00:04:07,739
have the very first contribution and

86

00:04:04,949 --> 00:04:10,949
this one's from my dear friend Celestia

87
00:04:07,739 --> 00:04:13,680
Ward hi Richard it's Celeste reward from

88
00:04:10,949 --> 00:04:16,228
squaring the strange podcast my question

89
00:04:13,680 --> 00:04:19,168
for you is what do you think is the most

90
00:04:16,228 --> 00:04:22,500
dangerous form of whoo or pseudoscience

91
00:04:19,168 --> 00:04:24,389
facing the human race right now wow

92
00:04:22,500 --> 00:04:26,009
that's an interesting question it's a

93
00:04:24,389 --> 00:04:28,110
bit of a tough question I'm gonna have a

94
00:04:26,009 --> 00:04:29,879
think about that during the show and

95
00:04:28,110 --> 00:04:31,949
give you my answer in fact we can all

96
00:04:29,879 --> 00:04:33,689
have a think about that and I'd be

97
00:04:31,949 --> 00:04:36,090
interested to know what you think about

98
00:04:33,689 --> 00:04:38,579
that but now it's time for me to run

99
00:04:36,089 --> 00:04:41,750
downstairs and have some some lemon

100
00:04:38,579 --> 00:04:44,149

cookies with almonds and

101

00:04:41,750 --> 00:04:46,069

bit of toast with cream cheese and

102

00:04:44,149 --> 00:04:48,799

watercress there's an interesting

103

00:04:46,069 --> 00:05:15,529

combination while I do all that I hope

104

00:04:48,800 --> 00:05:17,780

you enjoy the skeptic zone guerrilla

105

00:05:15,529 --> 00:05:20,349

skepticism on Wikipedia hello good

106

00:05:17,779 --> 00:05:24,079

morning and good evening I think Susan

107

00:05:20,350 --> 00:05:25,820

hello everyone hello I'm it's delightful

108

00:05:24,079 --> 00:05:27,889

I can actually see you you look like

109

00:05:25,819 --> 00:05:30,170

you've had a wonderful time you've been

110

00:05:27,889 --> 00:05:34,039

attending the European skeptics Congress

111

00:05:30,170 --> 00:05:36,620

how's it going or is it over now well we

112

00:05:34,040 --> 00:05:38,870

have it's Saturday night right now so we

113

00:05:36,620 --> 00:05:42,560

just got off a Gaelic cruise we went and

114

00:05:38,870 --> 00:05:44,750

cruise around and Mark Edward did a

115
00:05:42,560 --> 00:05:45,920
little magic and Randi was there and it

116
00:05:44,750 --> 00:05:49,300
was so much fun

117
00:05:45,920 --> 00:05:52,850
and then so tomorrow morning we have a

118
00:05:49,300 --> 00:05:55,550
few lectures and I think Massimo

119
00:05:52,850 --> 00:05:58,670
Polidori o is going to interview Randi

120
00:05:55,550 --> 00:06:03,079
and they're gonna do some other things

121
00:05:58,670 --> 00:06:05,330
and then the Congress the actual board

122
00:06:03,079 --> 00:06:06,649
is they forgot to try to decide where

123
00:06:05,329 --> 00:06:10,279
they're going to have the next Congress

124
00:06:06,649 --> 00:06:13,250
that in two years and then I'm getting

125
00:06:10,279 --> 00:06:16,759
in a car and I'm going with a mark

126
00:06:13,250 --> 00:06:19,250
Edward under OSH enter and Liu boudoir

127
00:06:16,759 --> 00:06:21,769
from Bulgaria we're going to go to

128
00:06:19,250 --> 00:06:25,910
Dresden to spend the night and then go

129
00:06:21,769 --> 00:06:27,500
on to getting hum Germany wow wow what a

130
00:06:25,910 --> 00:06:29,540
great trip you've had in folks in a

131
00:06:27,500 --> 00:06:32,089
minute we'll be playing some little

132
00:06:29,540 --> 00:06:34,879
interviews Susan mark were doing along

133
00:06:32,089 --> 00:06:37,009
the way one from Sweden and one from

134
00:06:34,879 --> 00:06:39,139
Denmark it sounds like you've been

135
00:06:37,009 --> 00:06:41,149
having a wonderful time and I take it

136
00:06:39,139 --> 00:06:45,050
the Congress has been a most enjoyable

137
00:06:41,149 --> 00:06:47,269
experience so far I the people are

138
00:06:45,050 --> 00:06:48,410
amazing and this Congress has been so

139
00:06:47,269 --> 00:06:49,459
much fun because there's so many

140
00:06:48,410 --> 00:06:52,820
different languages

141
00:06:49,459 --> 00:06:55,039
I mean you turn around and there's

142
00:06:52,819 --> 00:06:56,990
somebody speaking in Czech and

143

00:06:55,040 --> 00:06:58,879
next to my speaking in Polish and the

144
00:06:56,990 --> 00:07:02,269
person next to him speaking in Italian

145
00:06:58,879 --> 00:07:04,490
and somebody's got English it's that

146
00:07:02,269 --> 00:07:06,409
sound that sounds great I'm so jealous

147
00:07:04,490 --> 00:07:12,860
you've been mentioned many times Richard

148
00:07:06,410 --> 00:07:16,670
oh no not me no your name has come up in

149
00:07:12,860 --> 00:07:20,480
the skeptic zone podcast and Iran did a

150
00:07:16,670 --> 00:07:23,090
wonderful lecture this morning and he

151
00:07:20,480 --> 00:07:26,540
was talking a lot about what's going on

152
00:07:23,089 --> 00:07:30,709
in Australia with a lot of pride and he

153
00:07:26,540 --> 00:07:32,600
has a lot of great reason to it was and

154
00:07:30,709 --> 00:07:34,839
several people pointed out and asked him

155
00:07:32,600 --> 00:07:36,560
questions during the panel talking about

156
00:07:34,839 --> 00:07:38,299
different things that are happened in

157
00:07:36,560 --> 00:07:40,399

Australia people around the world are

158

00:07:38,300 --> 00:07:43,189

aware of what's going on in Australia

159

00:07:40,399 --> 00:07:45,500

trust me that's very nice to know very

160

00:07:43,189 --> 00:07:47,810

nice to know indeed well I think you

161

00:07:45,500 --> 00:07:49,879

should get to bed so your nice and fresh

162

00:07:47,810 --> 00:07:51,709

for tomorrow's part of the Congress

163

00:07:49,879 --> 00:07:54,379

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

164

00:07:51,709 --> 00:07:56,449

thank you for sending me some reports

165

00:07:54,379 --> 00:08:00,409

along the way which will be playing in

166

00:07:56,449 --> 00:08:02,779

just a second and please give my best to

167

00:08:00,410 --> 00:08:03,650

everybody but especially James Randi I

168

00:08:02,779 --> 00:08:04,669

sure will

169

00:08:03,649 --> 00:08:12,149

Thanks

170

00:08:04,670 --> 00:08:12,149

[Music]

171

00:08:12,189 --> 00:08:16,339

hello everyone this is susan gerbic from

172
00:08:14,779 --> 00:08:17,029
the guerrilla skepticism on wikipedia

173
00:08:16,339 --> 00:08:20,779
project

174
00:08:17,029 --> 00:08:23,629
I'm in Sweden and I have just toured a

175
00:08:20,779 --> 00:08:24,859
castle in Sweden and I'm not gonna

176
00:08:23,629 --> 00:08:29,589
pronounce it because that will totally

177
00:08:24,860 --> 00:08:32,000
butchered I'm sure but I'm here having a

178
00:08:29,589 --> 00:08:33,740
salad and a croissant

179
00:08:32,000 --> 00:08:37,610
what is this another croissant it's a

180
00:08:33,740 --> 00:08:38,840
cinnamon event pika

181
00:08:37,610 --> 00:08:43,129
we have an effete guy here it's a

182
00:08:38,840 --> 00:08:46,100
Swedish tradition so I'm here with

183
00:08:43,129 --> 00:08:48,889
Adrian and Mark Edward and we are

184
00:08:46,100 --> 00:08:51,170
getting ready to go back to the hotel

185
00:08:48,889 --> 00:08:58,970
room because we're going to be speaking

186
00:08:51,169 --> 00:09:02,079
at the Swedish vof group tonight this is

187
00:08:58,970 --> 00:09:04,399
on Wikipedia hopefully I'll get a few

188
00:09:02,080 --> 00:09:07,490
editors tonight and Mark will be talking

189
00:09:04,399 --> 00:09:11,449
about psychics yeah I'll do so this is

190
00:09:07,490 --> 00:09:14,840
the skeptics in the pub yeah I'm Adrian

191
00:09:11,450 --> 00:09:17,750
and azano and I'm managing the steps

192
00:09:14,840 --> 00:09:20,500
from the pub in Sock'em and I also at

193
00:09:17,750 --> 00:09:24,679
the board of director of the viewer and

194
00:09:20,500 --> 00:09:26,360
apparently I'm also the host so I'm

195
00:09:24,679 --> 00:09:29,750
taking care of business and I'm mark

196
00:09:26,360 --> 00:09:33,050
here these two days yeah exactly because

197
00:09:29,750 --> 00:09:35,779
obviously that but that was needed I get

198
00:09:33,049 --> 00:09:37,399
lost easily yeah and it's it is see it

199
00:09:35,779 --> 00:09:40,579
laughs in there in seven states and also

200

00:09:37,399 --> 00:09:41,629
so yeah I think we're gonna have a very

201
00:09:40,580 --> 00:09:46,240
great time tonight

202
00:09:41,629 --> 00:09:48,769
it's a English pub people are gonna be

203
00:09:46,240 --> 00:09:51,620
drunk enough beer so they're gonna enjoy

204
00:09:48,769 --> 00:09:53,029
the speech easily you don't have to say

205
00:09:51,620 --> 00:09:57,019
say much they're gonna think it's great

206
00:09:53,029 --> 00:09:59,929
anyway anyway stepping-stone listeners

207
00:09:57,019 --> 00:10:03,399
we're we're excited to get to come along

208
00:09:59,929 --> 00:10:08,328
on our journeys through

209
00:10:03,399 --> 00:10:10,519
Scandinavia and Europe and we are

210
00:10:08,328 --> 00:10:12,528
thinking of you

211
00:10:10,519 --> 00:10:15,860
the Australian skeptics are mentions

212
00:10:12,528 --> 00:10:17,269
quite a bit as a group of people who are

213
00:10:15,860 --> 00:10:19,129
literally getting out there and doing

214
00:10:17,269 --> 00:10:21,409

things you were I went to a party last

215

00:10:19,129 --> 00:10:23,120

night and we talked about many of the

216

00:10:21,409 --> 00:10:25,370

things that are happening with the

217

00:10:23,120 --> 00:10:29,360

Australian skeptics and everybody when I

218

00:10:25,370 --> 00:10:29,899

mentioned your names they said oh yes of

219

00:10:29,360 --> 00:10:32,449

course

220

00:10:29,899 --> 00:10:34,448

homeopathy and the and the work that

221

00:10:32,448 --> 00:10:37,969

they're doing there in Australia is

222

00:10:34,448 --> 00:10:39,469

putting everyone else to shame yeah

223

00:10:37,970 --> 00:10:40,790

that's what Mark said Australia

224

00:10:39,470 --> 00:10:42,860

something everyone else to shame because

225

00:10:40,789 --> 00:10:45,078

you guys you and the Brits are really

226

00:10:42,860 --> 00:10:49,149

getting a lot of stuff done Oh name the

227

00:10:45,078 --> 00:10:52,008

council the Swedish royal castle it's

228

00:10:49,149 --> 00:10:53,839

well they're the old name was Nick you

229

00:10:52,009 --> 00:10:56,839

know more about there was the new way I

230

00:10:53,839 --> 00:10:59,660

think it's called yes castles and so

231

00:10:56,839 --> 00:11:02,000

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

232

00:10:59,659 --> 00:11:07,539

outside of the castle

233

00:11:02,000 --> 00:11:10,490

[Music]

234

00:11:07,539 --> 00:11:13,039

hello skeptic zone listeners is a susan

235

00:11:10,490 --> 00:11:17,060

gerbic and right now i'm here with mark

236

00:11:13,039 --> 00:11:20,828

edward and klaus larson in Copenhagen

237

00:11:17,059 --> 00:11:23,899

and we last night we spoke to the

238

00:11:20,828 --> 00:11:26,149

Copenhagen skeptics and we're spending

239

00:11:23,899 --> 00:11:29,208

the day traveling through Copenhagen and

240

00:11:26,149 --> 00:11:31,490

then we're going to go to Malmo in

241

00:11:29,208 --> 00:11:34,458

Sweden and mark and I will be speaking

242

00:11:31,490 --> 00:11:37,698

there tonight to the vof skeptics in

243
00:11:34,458 --> 00:11:39,649
Malmo one of the things that Klaus and

244
00:11:37,698 --> 00:11:42,349
Mark and I are talking about is the

245
00:11:39,649 --> 00:11:46,159
importance of face-to-face interactions

246
00:11:42,350 --> 00:11:48,350
like a conferences and events where you

247
00:11:46,159 --> 00:11:52,188
sit down you share a beer with them you

248
00:11:48,350 --> 00:11:53,839
talk over dinner or lunch and learn

249
00:11:52,188 --> 00:11:55,429
about what other groups are doing what

250
00:11:53,839 --> 00:11:59,180
other successes they're having what

251
00:11:55,429 --> 00:12:00,888
other needs they have yeah well just

252
00:11:59,179 --> 00:12:03,620
Josh hi everyone

253
00:12:00,889 --> 00:12:06,409
we've been talking about this how I get

254
00:12:03,620 --> 00:12:08,959
things done a lot of the skeptic groups

255
00:12:06,409 --> 00:12:13,778
they get together and the intentions are

256
00:12:08,958 --> 00:12:16,429
great and but then not a lot of things

257

00:12:13,778 --> 00:12:18,429
well maybe not a lot of things but not

258
00:12:16,429 --> 00:12:21,438
enough things are happening

259
00:12:18,429 --> 00:12:25,609
we've try to come up with a way of

260
00:12:21,438 --> 00:12:28,688
getting things to get done and one

261
00:12:25,610 --> 00:12:33,350
suggestion would be that we treat

262
00:12:28,688 --> 00:12:35,329
projects with a set scope set time frame

263
00:12:33,350 --> 00:12:39,259
a set

264
00:12:35,330 --> 00:12:41,800
economy and then we focus on one thing

265
00:12:39,259 --> 00:12:44,929
for instance it could be there's a new

266
00:12:41,799 --> 00:12:47,179
psychic in town okay let's start from

267
00:12:44,929 --> 00:12:50,329
the beginning let's follow this side

268
00:12:47,179 --> 00:12:53,629
let's investigate also from the

269
00:12:50,330 --> 00:12:55,579
assumption that the possibility that he

270
00:12:53,629 --> 00:12:58,730
could actually be the right thing but if

271
00:12:55,578 --> 00:13:02,989

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

272

00:12:58,730 --> 00:13:05,870

that his followers may see that he may

273

00:13:02,990 --> 00:13:08,720

not be as excited as he could be

274

00:13:05,870 --> 00:13:11,839

but it's important that from the start

275

00:13:08,720 --> 00:13:17,290

we have leadership establish leadership

276

00:13:11,839 --> 00:13:21,230

and we have clear list of people who

277

00:13:17,289 --> 00:13:23,028

knows how to do specific jobs and when

278

00:13:21,230 --> 00:13:27,639

they commit to them they follow through

279

00:13:23,028 --> 00:13:32,120

and of course everyone is credited as

280

00:13:27,639 --> 00:13:34,879

they should be but treat a project like

281

00:13:32,120 --> 00:13:36,769

it would have been a normal project in

282

00:13:34,879 --> 00:13:39,078

for instance an IT we have to solve this

283

00:13:36,769 --> 00:13:41,690

problem is this it's a business like a

284

00:13:39,078 --> 00:13:43,969

business yeah absolutely

285

00:13:41,690 --> 00:13:48,110

but with but with goals I think having

286
00:13:43,970 --> 00:13:51,259
it smaller groups take on smaller tasks

287
00:13:48,110 --> 00:13:53,149
yes or bigger tasks in the long run it's

288
00:13:51,259 --> 00:13:54,919
like you say that a clear goal but I

289
00:13:53,149 --> 00:13:57,049
don't want to de-emphasize the fact that

290
00:13:54,919 --> 00:14:00,559
we need to be able to have conferences

291
00:13:57,049 --> 00:14:02,870
and regular meetings to keep people

292
00:14:00,559 --> 00:14:05,929
energized and growing the community with

293
00:14:02,870 --> 00:14:07,310
lectures these are the pilot or other

294
00:14:05,929 --> 00:14:09,259
people might find out what other get

295
00:14:07,309 --> 00:14:11,059
will are doing to be required and keeps

296
00:14:09,259 --> 00:14:14,088
motivated and that's why we need the

297
00:14:11,059 --> 00:14:17,088
conference's but but I think that if

298
00:14:14,089 --> 00:14:19,430
groups can form to instead of just

299
00:14:17,089 --> 00:14:20,259
having a broad feel of we're gonna form

300
00:14:19,429 --> 00:14:24,099
a group and we're

301
00:14:20,259 --> 00:14:26,350
be doing a lot of these I think I agree

302
00:14:24,100 --> 00:14:28,209
with Klaus is that then you pick one

303
00:14:26,350 --> 00:14:31,928
specific thing to work on for a period

304
00:14:28,208 --> 00:14:34,058
of time and have clear goals and when

305
00:14:31,928 --> 00:14:36,149
that's over it's over move on to another

306
00:14:34,058 --> 00:14:38,649
project maybe with a different team

307
00:14:36,149 --> 00:14:40,568
maybe with a different focus learning as

308
00:14:38,649 --> 00:14:43,720
you go but you have to report back on

309
00:14:40,568 --> 00:14:47,139
what you did yeah too many things going

310
00:14:43,720 --> 00:14:49,089
on at once is why Susan and I have

311
00:14:47,139 --> 00:14:52,149
decided to just do it or spend more

312
00:14:49,089 --> 00:14:54,699
because we came up against most of the

313
00:14:52,149 --> 00:14:57,009
groups we were involved with we're just

314

00:14:54,698 --> 00:14:58,899
trying to juggle way too many things and

315
00:14:57,009 --> 00:15:01,538
there's a phrase that I learned when I

316
00:14:58,899 --> 00:15:04,119
was working as a psychic which is the

317
00:15:01,538 --> 00:15:08,769
cat that plays with too many mice goes

318
00:15:04,119 --> 00:15:11,739
without dinner we can decide who the

319
00:15:08,769 --> 00:15:14,109
fattest to see Mouse's and pounce on it

320
00:15:11,739 --> 00:15:16,209
the other ones will be around and we can

321
00:15:14,109 --> 00:15:18,339
maybe eventually turn to them too

322
00:15:16,208 --> 00:15:21,668
but I think we have to decide do the

323
00:15:18,339 --> 00:15:24,639
fattest Mouse's and don't give up and

324
00:15:21,668 --> 00:15:29,499
don't let go of it until we've had our

325
00:15:24,639 --> 00:15:31,180
dinner thank you all from Copenhagen

326
00:15:29,499 --> 00:15:43,940
from Denmark

327
00:15:31,179 --> 00:15:43,939
[Music]

328
00:15:44,990 --> 00:15:50,430

it never ends a friend starts talking

329

00:15:48,208 --> 00:15:52,018

about his new Reiki Master and someone

330

00:15:50,429 --> 00:15:54,750

else just posted about another

331

00:15:52,019 --> 00:15:57,240

all-natural cancer cure that they don't

332

00:15:54,750 --> 00:15:59,490

want you to know about as skeptics we

333

00:15:57,240 --> 00:16:01,589

dedicate a lot of time trying to protect

334

00:15:59,490 --> 00:16:03,810

those around us but there's a way that

335

00:16:01,589 --> 00:16:06,420

you can reach millions guerrilla

336

00:16:03,809 --> 00:16:08,309

skepticism on Wikipedia is a group that

337

00:16:06,419 --> 00:16:10,799

is working to keep the best skeptical

338

00:16:08,309 --> 00:16:11,938

information at everyone's fingertips in

339

00:16:10,799 --> 00:16:15,059

all languages

340

00:16:11,938 --> 00:16:17,879

join us training is self-paced and fun

341

00:16:15,059 --> 00:16:20,099

and we have our very own super secret

342

00:16:17,879 --> 00:16:22,500

Facebook group you will be educating the

343
00:16:20,100 --> 00:16:27,680
world in your sleep to find out more

344
00:16:22,500 --> 00:16:31,850
email us at GS o w team @ gmail.com

345
00:16:27,679 --> 00:16:34,879
guerrilla skepticism the time is now

346
00:16:31,850 --> 00:16:45,279
music by bensound.com

347
00:16:34,879 --> 00:16:47,919
[Music]

348
00:16:45,279 --> 00:16:51,069
from the website of Australian skeptic

349
00:16:47,919 --> 00:16:56,979
skeptics calm day you bent spoon

350
00:16:51,070 --> 00:17:00,129
nominations for 2017 ABC ni cm Newcastle

351
00:16:56,980 --> 00:17:03,600
City Council and more by Tim Mendham

352
00:17:00,129 --> 00:17:06,849
published on the 21st of September 2017

353
00:17:03,600 --> 00:17:09,519
the nominations for the 2017 Australian

354
00:17:06,849 --> 00:17:11,740
skeptics bent spoon award have been

355
00:17:09,519 --> 00:17:15,430
published featuring an array of

356
00:17:11,740 --> 00:17:16,750
potential winners and dishonor ease the

357

00:17:15,430 --> 00:17:19,089

spoon is awarded to the most

358

00:17:16,750 --> 00:17:21,189

preposterous piece of paranormal or

359

00:17:19,088 --> 00:17:24,429

pseudo scientific piffle of the year and

360

00:17:21,189 --> 00:17:27,610

is one of the least sought-after awards

361

00:17:24,430 --> 00:17:31,660

on the calendar past winners include

362

00:17:27,609 --> 00:17:34,629

paleo Pete Evans homeopathy plus the Luo

363

00:17:31,660 --> 00:17:38,040

Tech free energy generator a whole range

364

00:17:34,630 --> 00:17:41,380

of universities and a psychic dentist

365

00:17:38,039 --> 00:17:44,349

this year's nominees include the ABC

366

00:17:41,380 --> 00:17:47,410

Nats ABC television late line program

367

00:17:44,349 --> 00:17:51,250

for a story extolling the dubious

368

00:17:47,410 --> 00:17:54,279

virtues of biodynamic farming and the

369

00:17:51,250 --> 00:17:58,569

wonders of bearing cow horns full of

370

00:17:54,279 --> 00:18:00,519

manure to help wine grow another nominee

371

00:17:58,569 --> 00:18:03,339
is the national institution of

372
00:18:00,519 --> 00:18:07,480
complimentary medicine and it's academic

373
00:18:03,339 --> 00:18:11,199
parent Western Sydney University uws the

374
00:18:07,480 --> 00:18:13,210
N ICM a nominee last year continues to

375
00:18:11,200 --> 00:18:15,009
promote all sorts of pseudo medical

376
00:18:13,210 --> 00:18:17,110
treatments on its website under the

377
00:18:15,009 --> 00:18:21,119
umbrella of complementary medicine

378
00:18:17,109 --> 00:18:25,319
these include homeopathy reflexology

379
00:18:21,119 --> 00:18:29,679
spiritual healing crystal therapy breaky

380
00:18:25,319 --> 00:18:32,109
the list goes on n ICM promised to

381
00:18:29,680 --> 00:18:34,720
review its position on these areas last

382
00:18:32,109 --> 00:18:37,569
year but obviously thought so much of

383
00:18:34,720 --> 00:18:40,329
them they were retained and I see him

384
00:18:37,569 --> 00:18:43,019
and you WS are also preparing a clinic

385
00:18:40,329 --> 00:18:47,289

on campus to treat public patients with

386

00:18:43,019 --> 00:18:49,420

traditional Chinese medicine TCM a range

387

00:18:47,289 --> 00:18:52,149

of treatments who have serious questions

388

00:18:49,420 --> 00:18:55,150

about their effectiveness the Newcastle

389

00:18:52,150 --> 00:18:57,670

City Council and the Newcastle Herald

390

00:18:55,150 --> 00:18:58,169

have been nominated for giving the keys

391

00:18:57,670 --> 00:19:01,320

to the

392

00:18:58,169 --> 00:19:03,899

city to a psychic who can see the past

393

00:19:01,319 --> 00:19:06,720

present and future and can connect

394

00:19:03,898 --> 00:19:08,969

people with dead relatives

395

00:19:06,720 --> 00:19:11,100

The Herald which has performed sterling

396

00:19:08,970 --> 00:19:14,249

work in the past exposing child sexual

397

00:19:11,099 --> 00:19:16,589

abuse in the local Catholic Church has

398

00:19:14,249 --> 00:19:19,409

let this story slip through it's

399

00:19:16,589 --> 00:19:21,329

critical net without so much as a quote

400
00:19:19,409 --> 00:19:24,210
claimed to be psychic

401
00:19:21,329 --> 00:19:26,819
end quote insight members of the public

402
00:19:24,210 --> 00:19:29,100
and the skeptical community are invited

403
00:19:26,819 --> 00:19:34,079
to make their own submissions visit

404
00:19:29,099 --> 00:19:36,209
w-w-w kept ignoring the spoon including

405
00:19:34,079 --> 00:19:39,148
its history and past winners links to

406
00:19:36,210 --> 00:19:42,690
the list of 2017 nominees and how to

407
00:19:39,148 --> 00:19:44,668
nominate your own worthy recipients now

408
00:19:42,690 --> 00:19:46,679
the beta spoon will be awarded in late

409
00:19:44,669 --> 00:19:50,220
November so you have a little bit of tie

410
00:19:46,679 --> 00:19:54,419
left if you want to nominate a product

411
00:19:50,220 --> 00:19:57,179
or a service or an even an individual

412
00:19:54,419 --> 00:19:59,369
you can do that via the website we will

413
00:19:57,179 --> 00:20:03,028
have a look at your nominations to make

414
00:19:59,368 --> 00:20:05,579
sure they comply with the guidelines and

415
00:20:03,028 --> 00:20:08,429
who knows maybe your email will lead to

416
00:20:05,579 --> 00:20:09,299
the awarding of this year's event spoon

417
00:20:08,429 --> 00:20:24,960
award

418
00:20:09,299 --> 00:20:27,879
[Music]

419
00:20:24,960 --> 00:20:30,759
and now direct from the cafe and

420
00:20:27,880 --> 00:20:33,550
Australia's Science Channel its brouhaha

421
00:20:30,759 --> 00:20:41,710
science unless time that it takes to

422
00:20:33,549 --> 00:20:44,049
order a coffee with Kelly wand throw

423
00:20:41,710 --> 00:20:45,579
away a textbooks technology is putting

424
00:20:44,049 --> 00:20:48,369
women back in their rightful place in

425
00:20:45,579 --> 00:20:50,529
history researchers have used genomic

426
00:20:48,369 --> 00:20:53,019
analysis to confirm that a skeleton from

427
00:20:50,529 --> 00:20:56,170
a famous Viking warrior grave belong to

428

00:20:53,019 --> 00:20:57,700
a female back in the 1880s a grave was

429
00:20:56,170 --> 00:20:59,820
found with a skeleton that looked like

430
00:20:57,700 --> 00:21:01,870
it belonged to a high-ranking officer

431
00:20:59,819 --> 00:21:04,299
naturally anthropologists and historians

432
00:21:01,869 --> 00:21:05,769
assumed it was a man why else would a

433
00:21:04,299 --> 00:21:07,750
skeleton be buried with all the

434
00:21:05,769 --> 00:21:09,910
belongings of a warrior even their

435
00:21:07,750 --> 00:21:13,660
Viking aah and poetry have depicted

436
00:21:09,910 --> 00:21:16,210
women beside men in battle fast forward

437
00:21:13,660 --> 00:21:18,150
to the 1970s when reanalysis of the

438
00:21:16,210 --> 00:21:21,220
skeleton based on very morphology

439
00:21:18,150 --> 00:21:25,480
identified her as female but was still

440
00:21:21,220 --> 00:21:27,700
dismissed but now in 2017 the historians

441
00:21:25,480 --> 00:21:30,789
and finally stop arguing thanks to

442
00:21:27,700 --> 00:21:32,590

genetic confirmation the researchers say

443

00:21:30,789 --> 00:21:34,809
that the results call for caution

444

00:21:32,589 --> 00:21:37,480
against generalizations regarding social

445

00:21:34,809 --> 00:21:39,129
orders and Hoth's societies with

446

00:21:37,480 --> 00:21:42,960
sophisticated genetic tools at our

447

00:21:39,130 --> 00:21:42,960
disposal we can rewrite history

448

00:21:44,569 --> 00:21:50,749
for more brouhaha and Australian science

449

00:21:47,940 --> 00:21:50,749
visit www.surgicalscience.com

450

00:21:59,160 --> 00:22:15,740
[Music]

451

00:22:09,380 --> 00:22:18,250
a piece of his mind with Professor Paul

452

00:22:15,740 --> 00:22:18,250
Willis

453

00:22:19,640 --> 00:22:29,679
[Music]

454

00:22:26,339 --> 00:22:32,199
it was with some reluctance that I took

455

00:22:29,679 --> 00:22:34,090
my son to see the latest spider-man

456

00:22:32,200 --> 00:22:36,610
movie don't get me wrong

457
00:22:34,089 --> 00:22:38,769
I loved the quality father-son time of a

458
00:22:36,609 --> 00:22:40,479
trip to the movies but my reluctance

459
00:22:38,769 --> 00:22:42,579
wasn't based around the violence

460
00:22:40,480 --> 00:22:46,450
misogyny or any age inappropriate

461
00:22:42,579 --> 00:22:48,970
material that might be in the film I was

462
00:22:46,450 --> 00:22:51,460
more concerned about the distraction of

463
00:22:48,970 --> 00:22:54,100
telling fictional stories of mythical

464
00:22:51,460 --> 00:22:56,350
heroes when our attention ought to be

465
00:22:54,099 --> 00:22:59,138
focused on real-world problems and their

466
00:22:56,349 --> 00:23:01,058
solutions and it's not just the latest

467
00:22:59,138 --> 00:23:03,758
crop of superhero films

468
00:23:01,058 --> 00:23:05,918
there must be something deeply ingrained

469
00:23:03,759 --> 00:23:08,528
in the human psyche that is always

470
00:23:05,919 --> 00:23:11,409
hankered for mythical heroes to solve

471
00:23:08,528 --> 00:23:14,109
our real-world problems something

472
00:23:11,409 --> 00:23:16,600
lurking deep inside our brains that

473
00:23:14,109 --> 00:23:20,618
shackles us to the unrealistic answers

474
00:23:16,599 --> 00:23:23,199
to real threats that confront us we live

475
00:23:20,618 --> 00:23:26,798
in a time where there is no place for

476
00:23:23,200 --> 00:23:29,679
Heroes we do not have the luxury of time

477
00:23:26,798 --> 00:23:32,849
to create fictional heroes who vanquish

478
00:23:29,679 --> 00:23:36,548
non-existent foes in make-believe worlds

479
00:23:32,849 --> 00:23:39,658
there are no heroic solutions to the

480
00:23:36,548 --> 00:23:42,579
real problems we face every day and

481
00:23:39,659 --> 00:23:46,059
there are many problems that we need to

482
00:23:42,579 --> 00:23:49,778
confront the solutions to global climate

483
00:23:46,058 --> 00:23:52,210
change overpopulation pollution overuse

484
00:23:49,778 --> 00:23:55,388
of resources under supply of energy and

485

00:23:52,210 --> 00:23:58,149
so on will not include one white knight

486
00:23:55,388 --> 00:24:02,288
in shining armor riding out of the myths

487
00:23:58,148 --> 00:24:05,859
of mythology history is a long chronicle

488
00:24:02,288 --> 00:24:08,230
of the actions of heroes of kings and

489
00:24:05,859 --> 00:24:10,599
emperors Admirals and Generals who

490
00:24:08,230 --> 00:24:14,169
fought battles to save their nations and

491
00:24:10,599 --> 00:24:17,109
conquer foreign lands this history is

492
00:24:14,169 --> 00:24:19,028
written by the heroes but when you

493
00:24:17,109 --> 00:24:21,490
scratch the surface and take another

494
00:24:19,028 --> 00:24:23,200
perspective you often find that they

495
00:24:21,490 --> 00:24:25,690
were not heroes at all

496
00:24:23,200 --> 00:24:28,659
the histories of the vanquished of the

497
00:24:25,690 --> 00:24:31,179
conquered of the dispossessed cast other

498
00:24:28,659 --> 00:24:34,390
people's heroes as villains and the

499
00:24:31,179 --> 00:24:36,970

merchants of evil ultimately the

500

00:24:34,390 --> 00:24:39,450

religious figures gods and goddesses

501

00:24:36,970 --> 00:24:43,210

mythical beasts and elemental forces

502

00:24:39,450 --> 00:24:45,279

were heroic figures able to intercede in

503

00:24:43,210 --> 00:24:47,910

world affairs for the betterment of

504

00:24:45,279 --> 00:24:50,680

humanity even in our supposedly

505

00:24:47,910 --> 00:24:53,200

enlightened modern age there are still

506

00:24:50,680 --> 00:24:55,630

those who place their faith in mythical

507

00:24:53,200 --> 00:24:58,600

religious heroes to solve real-world

508

00:24:55,630 --> 00:25:01,270

problems and I think this is doubly

509

00:24:58,599 --> 00:25:03,159

dangerous not only the danger in the

510

00:25:01,269 --> 00:25:06,670

fact that mythical entities can do

511

00:25:03,160 --> 00:25:09,180

nothing in the real physical world but

512

00:25:06,670 --> 00:25:11,620

such beliefs absolve the followers of

513

00:25:09,180 --> 00:25:14,860

responsibility for addressing and

514
00:25:11,619 --> 00:25:17,049
resolving these problems isn't it time

515
00:25:14,859 --> 00:25:20,319
that we all stood up and took

516
00:25:17,049 --> 00:25:22,990
responsibility for our actions I contend

517
00:25:20,319 --> 00:25:26,049
that we could all work collectively we

518
00:25:22,990 --> 00:25:29,980
could all work together to save the day

519
00:25:26,049 --> 00:25:32,349
we can all become the heroes most of the

520
00:25:29,980 --> 00:25:34,690
world's problems are caused by lots of

521
00:25:32,349 --> 00:25:37,449
people doing a little bit wrong often

522
00:25:34,690 --> 00:25:40,420
out of ignorance sometimes out of malice

523
00:25:37,450 --> 00:25:43,299
but mostly only minor infractions on a

524
00:25:40,420 --> 00:25:46,240
personal level iterated billions of

525
00:25:43,299 --> 00:25:49,269
times across the people of the world so

526
00:25:46,240 --> 00:25:52,420
perhaps the heroes of today needs to be

527
00:25:49,269 --> 00:25:55,359
every single one of us consciously doing

528
00:25:52,420 --> 00:25:57,519
something good something right something

529
00:25:55,359 --> 00:26:01,149
that will address the problems that we

530
00:25:57,519 --> 00:26:03,160
face I did relent and we went off to see

531
00:26:01,150 --> 00:26:05,830
the movie which we both thoroughly

532
00:26:03,160 --> 00:26:08,529
enjoyed a short escape from the woes of

533
00:26:05,829 --> 00:26:11,349
the world around us yes it's only

534
00:26:08,529 --> 00:26:14,170
entertainment yes it is meant to be

535
00:26:11,349 --> 00:26:16,929
escapist but we still need to keep that

536
00:26:14,170 --> 00:26:19,720
hero worship mentality in perspective

537
00:26:16,930 --> 00:26:21,519
it's one thing to have a short escape

538
00:26:19,720 --> 00:26:25,150
for a couple of hours in a darkened

539
00:26:21,519 --> 00:26:27,279
theater but inevitably we have to return

540
00:26:25,150 --> 00:26:30,070
to the reality of daylight when the

541
00:26:27,279 --> 00:26:43,548
movie comes to an end

542

00:26:30,069 --> 00:26:43,548
[Music]

543
00:26:48,048 --> 00:26:55,200
dr. Harriet Hall MD no into thousands as

544
00:26:52,169 --> 00:26:58,320
the skeptic a retired family physician

545
00:26:55,200 --> 00:27:00,389
and former Air Force flight surgeon she

546
00:26:58,319 --> 00:27:02,089
writes about medicine so-called

547
00:27:00,388 --> 00:27:05,959
complementary and alternative medicine

548
00:27:02,089 --> 00:27:09,028
science quackery and critical thinking

549
00:27:05,960 --> 00:27:11,308
Harriet now has a free course a series

550
00:27:09,028 --> 00:27:14,669
of 10 video lectures on science-based

551
00:27:11,308 --> 00:27:16,678
medicine and alternative medicine the

552
00:27:14,669 --> 00:27:18,809
videos and an accompanying course guide

553
00:27:16,679 --> 00:27:23,610
can be found by following the link at

554
00:27:18,808 --> 00:27:28,250
skip doc info or by visiting web brandy

555
00:27:23,609 --> 00:27:32,000
org slash educational - modules dot

556
00:27:28,250 --> 00:27:34,230

html' topics covered in the series are

557

00:27:32,000 --> 00:27:35,519
science-based medicine vs.

558

00:27:34,230 --> 00:27:39,329
evidence-based medicine

559

00:27:35,519 --> 00:27:42,538
what is Kam chiropractic acupuncture

560

00:27:39,329 --> 00:27:45,329
homeopathy naturopathy and herbal

561

00:27:42,538 --> 00:27:48,058
medicine energy medicine miscellaneous

562

00:27:45,329 --> 00:27:51,028
alternatives pitfalls in research and

563

00:27:48,058 --> 00:27:52,548
science based medicine in the media and

564

00:27:51,028 --> 00:27:54,960
politics

565

00:27:52,548 --> 00:27:57,388
Harriett covers each topic in a

566

00:27:54,960 --> 00:28:00,659
matter-of-fact no-nonsense way that

567

00:27:57,388 --> 00:28:02,279
shorter educate and entertain skeptic

568

00:28:00,659 --> 00:28:20,230
dot info

569

00:28:02,279 --> 00:28:22,369
[Music]

570

00:28:20,230 --> 00:28:23,960
over the past few weeks we've been

571
00:28:22,369 --> 00:28:26,479
keeping you up to date on the

572
00:28:23,960 --> 00:28:30,769
developments with a certain doctor and

573
00:28:26,480 --> 00:28:33,048
GP John Pease who you will recall stood

574
00:28:30,769 --> 00:28:36,019
up at the end of a screening of the

575
00:28:33,048 --> 00:28:38,200
movie VAX in Melbourne some weeks ago to

576
00:28:36,019 --> 00:28:41,539
announce that he was aiding and abetting

577
00:28:38,200 --> 00:28:44,390
parents who wanted to avoid vaccine the

578
00:28:41,539 --> 00:28:47,029
news is that he has now been suspended

579
00:28:44,390 --> 00:28:52,100
from practice but there's more to this

580
00:28:47,029 --> 00:28:55,819
story of course if there are any doubts

581
00:28:52,099 --> 00:28:57,949
about his motivation we need only turn

582
00:28:55,819 --> 00:29:01,519
to the pages the Australian vaccination

583
00:28:57,950 --> 00:29:05,990
Skeptics Network which still you have

584
00:29:01,519 --> 00:29:09,950
the URL avian doctor de you not a VSN

585
00:29:05,990 --> 00:29:13,190
but that's by the by they have published

586
00:29:09,950 --> 00:29:16,640
an article written by dr. john pease and

587
00:29:13,190 --> 00:29:19,340
it says here below is an article dr.

588
00:29:16,640 --> 00:29:22,070
peace has submitted to the melbourne age

589
00:29:19,339 --> 00:29:25,689
it is reprinted with his permission i

590
00:29:22,069 --> 00:29:29,629
don't know if the melbourne aged have

591
00:29:25,690 --> 00:29:31,070
printed this article now i won't read it

592
00:29:29,630 --> 00:29:35,440
all but I think the first paragraph

593
00:29:31,069 --> 00:29:39,500
gives you a good understanding it says I

594
00:29:35,440 --> 00:29:42,200
have been encountering cases of vaccine

595
00:29:39,500 --> 00:29:45,650
injury for over 40 years

596
00:29:42,200 --> 00:29:47,419
in June mint was a happy healthy nearly

597
00:29:45,650 --> 00:29:49,820
five year old whose parents were

598
00:29:47,419 --> 00:29:51,770
required to put her on a catch-up

599

00:29:49,819 --> 00:29:53,990
schedule in order to get her in the

600
00:29:51,769 --> 00:29:56,200
kindergarten she won't be going to

601
00:29:53,990 --> 00:29:59,839
kinder she's in a wheelchair

602
00:29:56,200 --> 00:30:01,940
brain-damaged her life ruined then came

603
00:29:59,839 --> 00:30:05,178
a friend's father who died after a flu

604
00:30:01,940 --> 00:30:09,130
vaccine and last week a four year old

605
00:30:05,179 --> 00:30:11,870
boy made autistic by a catch-up schedule

606
00:30:09,130 --> 00:30:13,549
now he goes on to repeat a lot of the

607
00:30:11,869 --> 00:30:16,279
tropes and a lot of the misinformation

608
00:30:13,548 --> 00:30:18,589
we've heard over many years from the

609
00:30:16,279 --> 00:30:21,259
anti-vaxxers including

610
00:30:18,589 --> 00:30:23,418
the paragraph here vaccines contain

611
00:30:21,259 --> 00:30:25,960
health damaging ingredients not the

612
00:30:23,419 --> 00:30:28,340
least aluminium and known neurotoxin

613
00:30:25,960 --> 00:30:31,669

implicated along with mercury and brain

614

00:30:28,339 --> 00:30:35,148

damage as in autism developmental delay

615

00:30:31,669 --> 00:30:38,379

ADHD and learning difficulties and it

616

00:30:35,148 --> 00:30:42,048

goes on so let there be no doubt as to

617

00:30:38,378 --> 00:30:44,928

his frame of mind but as I mentioned

618

00:30:42,048 --> 00:30:48,288

before he has been suspended and we read

619

00:30:44,929 --> 00:30:51,288

quickly from an article at the ABC ABC

620

00:30:48,288 --> 00:30:54,740

net delay you published on the 15th of

621

00:30:51,288 --> 00:30:56,298

September 2017 a Melbourne doctor who

622

00:30:54,740 --> 00:30:58,399

has been under investigation for his

623

00:30:56,298 --> 00:31:01,849

anti vaccination stance has had his

624

00:30:58,398 --> 00:31:04,278

license to practice suspended dr. John

625

00:31:01,849 --> 00:31:05,658

peace practice in mitchum was raided by

626

00:31:04,278 --> 00:31:08,690

the Australian health practitioner

627

00:31:05,659 --> 00:31:11,210

regulation agency AHPRA and police

628
00:31:08,690 --> 00:31:13,308
officers last week following allegations

629
00:31:11,210 --> 00:31:16,399
he had helped families to avoid

630
00:31:13,308 --> 00:31:18,079
compulsory childhood vaccinations he had

631
00:31:16,398 --> 00:31:21,648
agreed to stop practicing temporarily

632
00:31:18,079 --> 00:31:23,778
while AHPRA investigated the matter but

633
00:31:21,648 --> 00:31:25,699
the Medical Board of Australia immediate

634
00:31:23,778 --> 00:31:27,648
action committee met on Thursday and

635
00:31:25,700 --> 00:31:30,440
decided to suspend his registration

636
00:31:27,648 --> 00:31:33,498
while the investigations into his

637
00:31:30,440 --> 00:31:36,470
practice continued and we discover

638
00:31:33,499 --> 00:31:42,759
another aspect to this saga now as

639
00:31:36,470 --> 00:31:46,269
reported that the herald-sun wwr old son

640
00:31:42,759 --> 00:31:49,099
comdatais you on the 16th of september

641
00:31:46,269 --> 00:31:51,950
kinder kids we have suspect vaccination

642
00:31:49,099 --> 00:31:54,678
exemptions identified in dr john pease

643
00:31:51,950 --> 00:31:57,200
probe and this is a story by Grant

644
00:31:54,679 --> 00:31:59,028
MacArthur the health editor and the

645
00:31:57,200 --> 00:32:02,419
story says the futures of unvaccinated

646
00:31:59,028 --> 00:32:05,138
students at more than 15 kindergartens

647
00:32:02,419 --> 00:32:08,179
and child care centres are under a cloud

648
00:32:05,138 --> 00:32:12,829
because they have exemptions granted by

649
00:32:08,179 --> 00:32:14,659
rogue anti vaccine dr. john pease many

650
00:32:12,829 --> 00:32:16,269
more kindergartens could still be

651
00:32:14,659 --> 00:32:19,749
brought into the anti-vaccination

652
00:32:16,269 --> 00:32:22,519
scandal while the full extent of suspect

653
00:32:19,749 --> 00:32:23,329
immunization exemption forms may never

654
00:32:22,519 --> 00:32:26,118
be known

655
00:32:23,329 --> 00:32:30,470
due to gaping holes in the Australian

656

00:32:26,118 --> 00:32:32,409
and Victorian no Jap laws barold son has

657
00:32:30,470 --> 00:32:35,890
learned that more than 15

658
00:32:32,410 --> 00:32:37,810
childhood centers have so far informed

659
00:32:35,890 --> 00:32:40,120
the Department of Education that they

660
00:32:37,809 --> 00:32:42,669
have unvaccinated students attending

661
00:32:40,119 --> 00:32:45,759
with exemption forms signed by the

662
00:32:42,670 --> 00:32:48,130
Mitchum and GP dr. John Pease medical

663
00:32:45,759 --> 00:32:51,129
registration was suspended on Thursday

664
00:32:48,130 --> 00:32:54,490
following revelations in the Herald-Sun

665
00:32:51,130 --> 00:32:57,750
that he claimed to have helped up to 600

666
00:32:54,490 --> 00:32:59,859
families avoid compulsory vaccinations

667
00:32:57,750 --> 00:33:01,680
I'll link to that stirring the show

668
00:32:59,859 --> 00:33:05,259
notes it does go on with some more

669
00:33:01,680 --> 00:33:06,970
information well this story keeps

670
00:33:05,259 --> 00:33:12,009

unfolding and it was really brought

671

00:33:06,970 --> 00:33:15,430

about because the documentary VAX twas

672

00:33:12,009 --> 00:33:17,859

being shown up and down the the east

673

00:33:15,430 --> 00:33:19,750

coast of Australia and once again

674

00:33:17,859 --> 00:33:21,939

reminds us of the old saying give them

675

00:33:19,750 --> 00:33:24,160

enough rope or one of my favorite ones

676

00:33:21,940 --> 00:33:27,130

was these people only open their mouths

677

00:33:24,160 --> 00:33:29,259

to change feet and we can find this more

678

00:33:27,130 --> 00:33:33,070

and more or quite frequently anyway when

679

00:33:29,259 --> 00:33:38,579

you let people with them extraordinary

680

00:33:33,069 --> 00:33:38,579

points of view speak their mind

681

00:33:38,660 --> 00:33:43,890

and as ever we will bring you any

682

00:33:41,809 --> 00:33:53,989

updates as they come to hand

683

00:33:43,890 --> 00:33:53,989

[Music]

684

00:33:56,440 --> 00:33:59,578

[Music]

685
00:34:06,130 --> 00:34:12,250
hey Richard hi Trish

686
00:34:09,628 --> 00:34:13,929
would you like a coffee yeah thanks what

687
00:34:12,250 --> 00:34:15,699
you're working on you're trying to come

688
00:34:13,929 --> 00:34:18,970
up with a new promo to play on the

689
00:34:15,699 --> 00:34:20,888
skeptical zone is it for the good thinking

690
00:34:18,969 --> 00:34:23,378
Society in the UK you know Michael

691
00:34:20,889 --> 00:34:25,599
Marshall Simon Singh Norah Thomas and

692
00:34:23,378 --> 00:34:27,190
backed out oh yeah I know them they've

693
00:34:25,599 --> 00:34:29,799
been doing some great work investigating

694
00:34:27,190 --> 00:34:31,869
veterinary homeopathy veterinary

695
00:34:29,800 --> 00:34:34,149
homeopathy what you sugar pill history

696
00:34:31,869 --> 00:34:35,440
cows I know right and also they're

697
00:34:34,148 --> 00:34:38,259
looking at some of the dodgy medical

698
00:34:35,440 --> 00:34:39,760
advice given by UK chiropractors really

699
00:34:38,260 --> 00:34:42,639
okay look but I'll mention all that in

700
00:34:39,760 --> 00:34:47,020
the promo now their website is good

701
00:34:42,639 --> 00:34:48,340
thinking society cool and they've

702
00:34:47,019 --> 00:34:49,960
recently been reporting on the

703
00:34:48,340 --> 00:34:53,079
resurgence of faith healer peter Popoff

704
00:34:49,960 --> 00:34:56,369
you know okay look thanks for that it

705
00:34:53,079 --> 00:34:56,369
gives me something good to think about

706
00:34:59,320 --> 00:35:02,409
[Music]

707
00:35:05,190 --> 00:35:16,630
let's all take this with a grain of salt

708
00:35:07,980 --> 00:35:21,389
he's around second I'm in st. Louis in

709
00:35:16,630 --> 00:35:25,059
the moonrise hotel and I'm attending a

710
00:35:21,389 --> 00:35:27,429
gathering of astronomy enthusiasts who

711
00:35:25,059 --> 00:35:30,519
are looking forward to watching the

712
00:35:27,429 --> 00:35:33,940
Eclipse tomorrow together and I am here

713

00:35:30,519 --> 00:35:36,608
with you have Landsman who have met but

714
00:35:33,940 --> 00:35:39,250
five or six years ago I think it was in

715
00:35:36,608 --> 00:35:40,719
Israelibly because you're also involved

716
00:35:39,250 --> 00:35:42,789
with the Israeli skeptics or were

717
00:35:40,719 --> 00:35:43,449
involved with Israeli skeptics if they

718
00:35:42,789 --> 00:35:47,289
still exist

719
00:35:43,449 --> 00:35:49,539
we are still exist as people yeah maybe

720
00:35:47,289 --> 00:35:51,639
yeah let's organize but we're still

721
00:35:49,539 --> 00:35:53,829
we're still there okay

722
00:35:51,639 --> 00:35:55,900
so but we won't be speaking much about

723
00:35:53,829 --> 00:35:58,599
skepticism now what I would like to

724
00:35:55,900 --> 00:36:01,660
speak to you about is space il could you

725
00:35:58,599 --> 00:36:04,269
tell us that what space is space al is

726
00:36:01,659 --> 00:36:07,179
the Israeli team in the Google Lunar

727
00:36:04,269 --> 00:36:10,449

XPrize competition the mission is to

728

00:36:07,179 --> 00:36:12,599

develop and launch a spacecraft a

729

00:36:10,449 --> 00:36:14,759

robotic spacecraft

730

00:36:12,599 --> 00:36:18,000

and to land it on the moon to take

731

00:36:14,760 --> 00:36:19,770

pictures and to travel at least 500

732

00:36:18,000 --> 00:36:22,079

meters on the surface are above the

733

00:36:19,769 --> 00:36:23,940

surface of them of the moon and question

734

00:36:22,079 --> 00:36:28,130

transmitted the pictures in the video

735

00:36:23,940 --> 00:36:30,840

back and all that with private funding

736

00:36:28,130 --> 00:36:33,510

so just just to clarify something you

737

00:36:30,840 --> 00:36:36,720

said travel it's actually a hop right

738

00:36:33,510 --> 00:36:39,870

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

739

00:36:36,719 --> 00:36:44,429

hop most of the other teams developed a

740

00:36:39,869 --> 00:36:47,909

rover that's going to move across the on

741

00:36:44,429 --> 00:36:50,579

the surface so but you chose a hop we

742
00:36:47,909 --> 00:36:53,359
choose a hop why is that we reached to

743
00:36:50,579 --> 00:36:57,480
the competition at the last moment

744
00:36:53,360 --> 00:37:00,120
that's the Israeli way by then most of

745
00:36:57,480 --> 00:37:03,360
the all of the other groups were already

746
00:37:00,119 --> 00:37:06,000
in development of two or three years and

747
00:37:03,360 --> 00:37:09,300
we figured out that if we are going to

748
00:37:06,000 --> 00:37:09,900
develop her over in addition to the

749
00:37:09,300 --> 00:37:13,740
spacecraft

750
00:37:09,900 --> 00:37:16,380
then it's a completely additional

751
00:37:13,739 --> 00:37:17,669
project and we cannot afford that we

752
00:37:16,380 --> 00:37:20,250
don't have the time without of the

753
00:37:17,670 --> 00:37:23,369
people we found another way with fact we

754
00:37:20,250 --> 00:37:26,449
just use this same spacecraft that

755
00:37:23,369 --> 00:37:29,609
landed at the first time on the surface

756
00:37:26,449 --> 00:37:33,259
with the same propulsion system with the

757
00:37:29,610 --> 00:37:37,230
same landing gear who take the complete

758
00:37:33,260 --> 00:37:39,120
spacecraft and just make it talk and and

759
00:37:37,230 --> 00:37:40,409
this was when you're talking about when

760
00:37:39,119 --> 00:37:43,159
you make that decision when you joined

761
00:37:40,409 --> 00:37:47,279
the competition that was that was 2011

762
00:37:43,159 --> 00:37:49,920
okay so six years ago yeah and how far

763
00:37:47,280 --> 00:37:52,490
along are you know in six years later it

764
00:37:49,920 --> 00:37:56,250
took us some time we need to major

765
00:37:52,489 --> 00:37:59,669
redesign that we had to do in order to

766
00:37:56,250 --> 00:38:03,329
to make it but currently we're in

767
00:37:59,670 --> 00:38:05,700
integration it means that most of the

768
00:38:03,329 --> 00:38:09,000
spacecraft they structure a propulsion

769
00:38:05,699 --> 00:38:11,969
system and most of the sensors and the

770

00:38:09,000 --> 00:38:15,889
electronics are already in our hands and

771
00:38:11,969 --> 00:38:17,079
we're now assembling the spacecraft and

772
00:38:15,889 --> 00:38:19,659
begin

773
00:38:17,079 --> 00:38:21,730
testing of the units deterrent will

774
00:38:19,659 --> 00:38:25,899
build testing of the whole system so

775
00:38:21,730 --> 00:38:28,030
it's advanced development and when do

776
00:38:25,900 --> 00:38:31,329
you expect to be finished it will be

777
00:38:28,030 --> 00:38:33,670
finished by the end of this of this year

778
00:38:31,329 --> 00:38:37,029
or at the beginning of the next year the

779
00:38:33,670 --> 00:38:39,130
launch will be next year we already have

780
00:38:37,030 --> 00:38:42,460
a lab launch actually it was one of the

781
00:38:39,130 --> 00:38:44,680
requirements of the competition in order

782
00:38:42,460 --> 00:38:47,440
to make it to the finals

783
00:38:44,679 --> 00:38:50,829
at the beginning there were 33 teams

784
00:38:47,440 --> 00:38:54,760

that were registered and by last year

785

00:38:50,829 --> 00:38:58,119
only 16 teams were still at the

786

00:38:54,760 --> 00:39:01,270
competition and only the ones who had

787

00:38:58,119 --> 00:39:03,549
already had a launch contract continue

788

00:39:01,269 --> 00:39:06,009
to the finals and therefore there are

789

00:39:03,550 --> 00:39:08,170
only five teams in a competition right

790

00:39:06,010 --> 00:39:10,360
now we were the first team to have a

791

00:39:08,170 --> 00:39:14,019
contract who is your contact with its

792

00:39:10,360 --> 00:39:16,710
with the SpaceX Falcon 9 rocket but the

793

00:39:14,019 --> 00:39:20,619
contract is with the spaceflight it's a

794

00:39:16,710 --> 00:39:24,490
company that connects the launching

795

00:39:20,619 --> 00:39:26,980
service the provider of the rocket with

796

00:39:24,489 --> 00:39:29,289
the clients because it's a small

797

00:39:26,980 --> 00:39:31,809
spacecraft we can't have a complete

798

00:39:29,289 --> 00:39:33,849
rocket for ourselves and we need to

799
00:39:31,809 --> 00:39:37,570
share it share the ride with other place

800
00:39:33,849 --> 00:39:40,569
like it provides that service what is

801
00:39:37,570 --> 00:39:43,930
your role in this project I'm a Senior

802
00:39:40,570 --> 00:39:47,800
Systems Engineer and system engineer is

803
00:39:43,929 --> 00:39:50,019
the is the one that can understand all

804
00:39:47,800 --> 00:39:54,120
the other fields of engineering in order

805
00:39:50,019 --> 00:39:58,869
to make the orchestra play together

806
00:39:54,119 --> 00:40:01,480
because you have the electrical

807
00:39:58,869 --> 00:40:05,619
engineers and this structure engineers

808
00:40:01,480 --> 00:40:07,480
and the Onyx engineers and the attitude

809
00:40:05,619 --> 00:40:11,650
control engineers and computer engineers

810
00:40:07,480 --> 00:40:14,980
and each one of the group has excellent

811
00:40:11,650 --> 00:40:17,889
people and they can do their work to

812
00:40:14,980 --> 00:40:20,590
make a high level product but someone

813
00:40:17,889 --> 00:40:23,079
needs to make the effort of combining

814
00:40:20,590 --> 00:40:25,390
and integrating all all of their work

815
00:40:23,079 --> 00:40:27,549
and to make the compromises in order to

816
00:40:25,389 --> 00:40:30,549
have a one system

817
00:40:27,550 --> 00:40:34,240
that is working according to what you

818
00:40:30,550 --> 00:40:35,050
have to get in order to a to have the

819
00:40:34,239 --> 00:40:37,869
right results

820
00:40:35,050 --> 00:40:41,289
I'm a senior engineer I'm a system

821
00:40:37,869 --> 00:40:44,170
engineer for spacecraft 15 years

822
00:40:41,289 --> 00:40:46,900
that's a while yeah although this is my

823
00:40:44,170 --> 00:40:49,840
first deep space mission so when you say

824
00:40:46,900 --> 00:40:52,510
deep space you mean beyond beyond beyond

825
00:40:49,840 --> 00:40:54,370
Earth orbit and how many people are

826
00:40:52,510 --> 00:40:57,690
there in the project altogether I think

827

00:40:54,369 --> 00:40:58,839
if I remember correctly we are about 30

828
00:40:57,690 --> 00:41:01,269
people

829
00:40:58,840 --> 00:41:03,700
okay what about testing what do you do

830
00:41:01,269 --> 00:41:06,610
the testing you have several levels of

831
00:41:03,699 --> 00:41:09,489
testing the unique level testing means

832
00:41:06,610 --> 00:41:12,599
that you get from there from suppliers

833
00:41:09,489 --> 00:41:16,299
say electronic box and you have the

834
00:41:12,599 --> 00:41:18,789
documents of of this box and you need to

835
00:41:16,300 --> 00:41:20,710
check that everything in the document is

836
00:41:18,789 --> 00:41:24,670
according to the requirements and

837
00:41:20,710 --> 00:41:28,900
according to what's documented we began

838
00:41:24,670 --> 00:41:32,530
doing the landing impact tests which

839
00:41:28,900 --> 00:41:36,039
means to take complete sets of landing

840
00:41:32,530 --> 00:41:39,550
gear and study the impact effects on

841
00:41:36,039 --> 00:41:43,539

different kinds of materials you'll not

842

00:41:39,550 --> 00:41:47,350

dust simulated descend on surfaces like

843

00:41:43,539 --> 00:41:49,329

that are harder than sent and stuff like

844

00:41:47,349 --> 00:41:52,059

that it's a complete set of fair of

845

00:41:49,329 --> 00:41:53,980

tests to see if your design works there

846

00:41:52,059 --> 00:41:55,809

will be another test of the complete

847

00:41:53,980 --> 00:41:59,860

structure model of the spacecraft with

848

00:41:55,809 --> 00:42:04,179

the four legs in a facility outside of

849

00:41:59,860 --> 00:42:06,849

Israel they have a robotic arm that can

850

00:42:04,179 --> 00:42:10,629

simulate the landing or actually the

851

00:42:06,849 --> 00:42:15,279

impact on the ground on a changing

852

00:42:10,630 --> 00:42:18,250

scenario for example on a slope or when

853

00:42:15,280 --> 00:42:20,980

you're not exactly stabilized that means

854

00:42:18,250 --> 00:42:23,260

that one leg is hitting hard on impact

855

00:42:20,980 --> 00:42:26,110

and what's happening to the spacecraft

856
00:42:23,260 --> 00:42:29,830
is if it's rotating because of that a

857
00:42:26,110 --> 00:42:32,170
lot of a lot of scenarios with rocks for

858
00:42:29,829 --> 00:42:35,590
example what we try to achieve with that

859
00:42:32,170 --> 00:42:38,300
is to prove the design and to study the

860
00:42:35,590 --> 00:42:43,039
effects that might happen

861
00:42:38,300 --> 00:42:45,140
in less than optimal results so space

862
00:42:43,039 --> 00:42:47,449
I'll participate in the Google XPrize

863
00:42:45,139 --> 00:42:50,839
competition however I presume that the

864
00:42:47,449 --> 00:42:52,219
goal of space it is not only to win the

865
00:42:50,840 --> 00:42:53,480
prize I mean even if you don't win the

866
00:42:52,219 --> 00:42:56,000
prize there are some achievements that

867
00:42:53,480 --> 00:42:58,039
you're looking forward to making that's

868
00:42:56,000 --> 00:43:01,639
right we are first of all we are

869
00:42:58,039 --> 00:43:03,679
nonprofit our main goal is is

870
00:43:01,639 --> 00:43:06,949
educational we thought that from

871
00:43:03,679 --> 00:43:09,769
actually from day one that if we are

872
00:43:06,949 --> 00:43:12,079
going to land a spacecraft on the moon

873
00:43:09,769 --> 00:43:16,639
and nobody knows about that

874
00:43:12,079 --> 00:43:20,179
it's a completes its uses it has no

875
00:43:16,639 --> 00:43:23,480
meaning and if we're going to go for

876
00:43:20,179 --> 00:43:26,569
this tremendous endeavor we have to use

877
00:43:23,480 --> 00:43:29,230
it as a leverage for the education of

878
00:43:26,570 --> 00:43:32,720
young people in Israel of kids and youth

879
00:43:29,230 --> 00:43:35,090
especially in the fields of stem so we

880
00:43:32,719 --> 00:43:38,209
have a very large group of volunteers

881
00:43:35,090 --> 00:43:41,030
that give lectures to anyone free of

882
00:43:38,210 --> 00:43:46,070
charge in Israel mainly for for schools

883
00:43:41,030 --> 00:43:50,350
but also for kindergarten and to adults

884

00:43:46,070 --> 00:43:53,300
and companies and seminars and

885
00:43:50,349 --> 00:43:56,049
conventions and everywhere we we count

886
00:43:53,300 --> 00:44:00,470
the kids that we encounter and we

887
00:43:56,050 --> 00:44:02,470
already gave lectures to several tens of

888
00:44:00,469 --> 00:44:05,629
thousands of kids around the country

889
00:44:02,469 --> 00:44:07,519
well this a country the size of Israel

890
00:44:05,630 --> 00:44:10,160
that's the sizable proportion of the

891
00:44:07,519 --> 00:44:12,619
children in Israel we want to reach

892
00:44:10,159 --> 00:44:15,109
actually everyone because if the kids

893
00:44:12,619 --> 00:44:17,359
learn about space L and they're excited

894
00:44:15,110 --> 00:44:19,940
about that the parents will know about

895
00:44:17,360 --> 00:44:22,550
that for sure currently we're taking a

896
00:44:19,940 --> 00:44:26,000
very small scientific apparatus small

897
00:44:22,550 --> 00:44:28,519
magnetometer a sensor which will get

898
00:44:26,000 --> 00:44:30,110

measurements during the landing which is

899

00:44:28,519 --> 00:44:33,079

where the magnetic field of the moon is

900

00:44:30,110 --> 00:44:35,030

important because the moon doesn't have

901

00:44:33,079 --> 00:44:37,069

a magnetic field of its own at least not

902

00:44:35,030 --> 00:44:39,860

a global one but you have a magnetic

903

00:44:37,070 --> 00:44:43,430

field on the surface because of because

904

00:44:39,860 --> 00:44:44,809

of the rocks it's very local and there

905

00:44:43,429 --> 00:44:47,179

are a lot of questions about that

906

00:44:44,809 --> 00:44:49,519

scientific questions about the origin of

907

00:44:47,179 --> 00:44:50,190

the moon that needs this data in order

908

00:44:49,519 --> 00:44:52,739

to

909

00:44:50,190 --> 00:44:55,679

answered the only way of getting this

910

00:44:52,739 --> 00:44:58,529

answered is by flying very close to the

911

00:44:55,679 --> 00:45:01,739

ground so during the landing we're going

912

00:44:58,530 --> 00:45:04,500

to record that magnetic field and during

913
00:45:01,739 --> 00:45:06,599
the help and during the hop there are a

914
00:45:04,500 --> 00:45:09,000
lot of interesting things on the one

915
00:45:06,599 --> 00:45:11,009
that wouldn't never been researched so

916
00:45:09,000 --> 00:45:13,380
it sounds like you are planning to stick

917
00:45:11,010 --> 00:45:15,180
around if if it happens if if there are

918
00:45:13,380 --> 00:45:17,730
opportunities in the future of space

919
00:45:15,179 --> 00:45:20,369
I'll probably I'll just say that if

920
00:45:17,730 --> 00:45:24,690
there will be a chance of participating

921
00:45:20,369 --> 00:45:26,429
in a more exciting mission then I might

922
00:45:24,690 --> 00:45:28,170
want to do that okay we'll make sure

923
00:45:26,429 --> 00:45:31,710
that we have you seen who you ready on

924
00:45:28,170 --> 00:45:34,460
our website no problem with that I think

925
00:45:31,710 --> 00:45:38,579
that the spirit of this competition is

926
00:45:34,460 --> 00:45:40,920
to show people that it can be done when

927
00:45:38,579 --> 00:45:44,039
the competition was announced the first

928
00:45:40,920 --> 00:45:47,130
time I think it was 2007 it was

929
00:45:44,039 --> 00:45:50,429
something impossible it's something that

930
00:45:47,130 --> 00:45:54,210
if government wants to do that they can

931
00:45:50,429 --> 00:45:57,029
do it they already done that the United

932
00:45:54,210 --> 00:46:00,570
States did it NASA did it and the

933
00:45:57,030 --> 00:46:04,440
Russians and lately the chain is this is

934
00:46:00,570 --> 00:46:07,710
a proof that the private the private

935
00:46:04,440 --> 00:46:11,250
sector can do that also the reasoning of

936
00:46:07,710 --> 00:46:13,730
doing that is still debatable but but it

937
00:46:11,250 --> 00:46:15,570
can be done doing the impossible is

938
00:46:13,730 --> 00:46:19,829
something that ignites the imagination

939
00:46:15,570 --> 00:46:21,950
and I think that's worth doing and I

940
00:46:19,829 --> 00:46:25,429
think this is the spirit of this

941

00:46:21,949 --> 00:46:27,089
companies it's not about money or

942
00:46:25,429 --> 00:46:31,199
commercial business

943
00:46:27,090 --> 00:46:33,510
it's about imagination and when we talk

944
00:46:31,199 --> 00:46:36,659
with kids about what we are doing you

945
00:46:33,510 --> 00:46:39,450
can see it in their eyes that they

946
00:46:36,659 --> 00:46:42,989
believe in us and they want to to do

947
00:46:39,449 --> 00:46:46,710
something in order to help us and that

948
00:46:42,989 --> 00:46:49,199
something is maybe to be the engineers

949
00:46:46,710 --> 00:46:52,349
or the scientists of the next generation

950
00:46:49,199 --> 00:46:53,909
missions for example a lot of kids ask

951
00:46:52,349 --> 00:46:56,369
the question of what's going to happen

952
00:46:53,909 --> 00:46:57,239
with the spacecraft after we finish the

953
00:46:56,369 --> 00:46:59,429
mission

954
00:46:57,239 --> 00:47:01,919
and we're telling them that it's going

955
00:46:59,429 --> 00:47:04,529

to stay there we can't launch it back

956

00:47:01,920 --> 00:47:07,889

from the moon but if they want to

957

00:47:04,530 --> 00:47:10,740

participate or to leave the next mission

958

00:47:07,889 --> 00:47:13,289

of retrieving it back to earth then it's

959

00:47:10,739 --> 00:47:16,109

something they can do Cal study yes them

960

00:47:13,289 --> 00:47:18,269

subjects yeah that's that's a very good

961

00:47:16,110 --> 00:47:21,539

message if people want to find out more

962

00:47:18,269 --> 00:47:23,009

about the the competition in general and

963

00:47:21,539 --> 00:47:25,230

about space al in particular where do

964

00:47:23,010 --> 00:47:28,770

they go and the competition is is on a

965

00:47:25,230 --> 00:47:31,679

website just Google glxp Google Lunar

966

00:47:28,769 --> 00:47:37,320

XPrize you will find out there very easy

967

00:47:31,679 --> 00:47:41,190

the space al is on wwwp al comm also

968

00:47:37,320 --> 00:47:43,710

very easy and you can have all the

969

00:47:41,190 --> 00:47:45,789

information there ok you have landsman

970
00:47:43,710 --> 00:47:48,909
thank you very much thank you

971
00:47:45,789 --> 00:47:48,909
[Music]

972
00:47:51,269 --> 00:48:01,068
[Music]

973
00:47:58,429 --> 00:48:02,960
the New Zealand skeptics conference me

974
00:48:01,068 --> 00:48:06,340
is happening on the weekend of the 24th

975
00:48:02,960 --> 00:48:08,019
to the 26th of November in Wellington

976
00:48:06,340 --> 00:48:10,940
[Music]

977
00:48:08,019 --> 00:48:13,849
the weekend starts on Friday evening

978
00:48:10,940 --> 00:48:16,760
with a pub quiz all about skepticism and

979
00:48:13,849 --> 00:48:18,859
is open for anybody registered for the

980
00:48:16,760 --> 00:48:20,809
conference the New Zealand skeptics have

981
00:48:18,858 --> 00:48:22,940
a greater lineup for the conference both

982
00:48:20,809 --> 00:48:24,769
on Saturday and Sunday they're

983
00:48:22,940 --> 00:48:27,829
especially excited to have the Cara

984
00:48:24,769 --> 00:48:30,409
Santa Maria from the skeptics guide to

985
00:48:27,829 --> 00:48:32,839
the universe podcast and brit hermes x

986
00:48:30,409 --> 00:48:35,328
naturopath who now blogs for

987
00:48:32,838 --> 00:48:37,699
science-based medicine joining them this

988
00:48:35,329 --> 00:48:40,130
year from overseas but they also have

989
00:48:37,699 --> 00:48:43,239
some fascinating locals and some

990
00:48:40,130 --> 00:48:43,240
australian speakers too

991
00:48:43,539 --> 00:48:48,279
you can see a list of the current lineup

992
00:48:45,760 --> 00:48:52,530
of speakers by visiting the conference

993
00:48:48,280 --> 00:48:55,450
website conference dot sceptics NZ and

994
00:48:52,530 --> 00:48:57,519
tickets are very reasonably priced and

995
00:48:55,449 --> 00:49:00,699
available for the entire weekend or just

996
00:48:57,519 --> 00:49:03,219
one day on Saturday evening the NZ

997
00:49:00,699 --> 00:49:05,619
skeptics are hosting a dinner separate

998

00:49:03,219 --> 00:49:07,599
registration required where you can

999
00:49:05,619 --> 00:49:10,539
chill out with fellow skeptics chat with

1000
00:49:07,599 --> 00:49:14,589
the speakers and enjoy some weird and

1001
00:49:10,539 --> 00:49:16,360
wonderful entertainment now for that

1002
00:49:14,590 --> 00:49:19,329
sounds like fun please head to the

1003
00:49:16,360 --> 00:49:23,289
website and book your ticket conference

1004
00:49:19,329 --> 00:49:31,528
dot skeptics dot NZ

1005
00:49:23,289 --> 00:49:31,528
[Music]

1006
00:49:37,909 --> 00:49:42,539
thank you for listening to the skipping

1007
00:49:40,289 --> 00:49:44,699
zone now to recap that question from the

1008
00:49:42,539 --> 00:49:47,009
beginning of the show hi Richard it's

1009
00:49:44,699 --> 00:49:50,039
Celeste reward from squaring the strange

1010
00:49:47,010 --> 00:49:52,650
podcast my question for you is what do

1011
00:49:50,039 --> 00:49:55,559
you think is the most dangerous form of

1012
00:49:52,650 --> 00:49:57,960

whoo or pseudoscience facing the human

1013

00:49:55,559 --> 00:50:00,299

race right now yes I've been having a

1014

00:49:57,960 --> 00:50:02,570

bit of a think about that and I don't

1015

00:50:00,300 --> 00:50:07,380

think it's things like psychics and

1016

00:50:02,570 --> 00:50:09,240

water divining predicting the future

1017

00:50:07,380 --> 00:50:12,300

that sort of traditional stuff people

1018

00:50:09,239 --> 00:50:15,088

who believe in UFOs I think that what

1019

00:50:12,300 --> 00:50:18,810

presents the most danger to humanity in

1020

00:50:15,088 --> 00:50:22,828

general would be the pseudoscience

1021

00:50:18,809 --> 00:50:24,269

revolving around medical beliefs and

1022

00:50:22,829 --> 00:50:26,430

opinions especially when it comes to the

1023

00:50:24,269 --> 00:50:29,429

conspiracy theories with anti-vaxxers

1024

00:50:26,429 --> 00:50:34,649

because they're fear-mongering and

1025

00:50:29,429 --> 00:50:36,779

activities have led to things like polio

1026

00:50:34,650 --> 00:50:38,849

not being wiped out yet or pockets

1027
00:50:36,780 --> 00:50:41,130
coming back or diseases coming back

1028
00:50:38,849 --> 00:50:44,490
where they should have been consigned to

1029
00:50:41,130 --> 00:50:48,059
the annals of history by now so I think

1030
00:50:44,489 --> 00:50:50,939
that probably presents the biggest

1031
00:50:48,059 --> 00:50:52,529
danger to individuals to people I might

1032
00:50:50,940 --> 00:50:55,050
be wrong and be interested to hear your

1033
00:50:52,530 --> 00:50:57,210
opinion if you want to if you want to

1034
00:50:55,050 --> 00:51:00,568
give me your opinion you can do that via

1035
00:50:57,210 --> 00:51:05,369
The Voice bite app and don't forget to

1036
00:51:00,568 --> 00:51:08,130
use the hashtag skeptic zone so those

1037
00:51:05,369 --> 00:51:10,050
messages get to me now here's a little

1038
00:51:08,130 --> 00:51:12,480
note from the Australian skeptic

1039
00:51:10,050 --> 00:51:14,190
skeptics don't come today you if you

1040
00:51:12,480 --> 00:51:15,599
were to keep up to date like I do

1041
00:51:14,190 --> 00:51:17,519
if you want to keep up to date with

1042
00:51:15,599 --> 00:51:19,140
what's going on with Australian skeptics

1043
00:51:17,519 --> 00:51:22,199
and the investigations and news and

1044
00:51:19,139 --> 00:51:25,190
information subscribe to the online

1045
00:51:22,199 --> 00:51:28,529
newsletter gets sent direct your inbox

1046
00:51:25,190 --> 00:51:30,420
skeptics dot-com today you and click the

1047
00:51:28,530 --> 00:51:34,200
link to subscribe to the regular

1048
00:51:30,420 --> 00:51:35,369
newsletter coming up on the skeptic zone

1049
00:51:34,199 --> 00:51:37,469
I'm sure we're going to have some more

1050
00:51:35,369 --> 00:51:40,920
rare reports from the globe-trotting

1051
00:51:37,469 --> 00:51:43,879
around together who is as I speak in

1052
00:51:40,920 --> 00:51:46,769
Poland at the European skeptics Congress

1053
00:51:43,880 --> 00:51:49,980
also look out there is a new bunga bunga

1054
00:51:46,769 --> 00:51:52,289
podcast with Maynard and Tim Ferguson do

1055

00:51:49,980 --> 00:51:54,869
visit maynard comdatais youth for the

1056
00:51:52,289 --> 00:51:57,809
latest bunga bunga podcast but i'm sure

1057
00:51:54,869 --> 00:51:59,340
you subscribe anyway and lastly thank

1058
00:51:57,809 --> 00:52:01,559
you to the people who do chip in to help

1059
00:51:59,340 --> 00:52:04,108
maenad with bunga bunga via patreon and

1060
00:52:01,559 --> 00:52:06,840
the people who do chip into the skeptics

1061
00:52:04,108 --> 00:52:09,559
own podcast without your support both

1062
00:52:06,840 --> 00:52:12,329
podcasts in fact simply wouldn't exist

1063
00:52:09,559 --> 00:52:14,820
but for this week this is Richard

1064
00:52:12,329 --> 00:52:21,210
Saunders signing off from Sydney

1065
00:52:14,820 --> 00:52:23,910
Australia you've been listening to the

1066
00:52:21,210 --> 00:52:28,500
skeptic zone podcast please visit our

1067
00:52:23,909 --> 00:52:31,799
website at WWDC be for show notes

1068
00:52:28,500 --> 00:52:36,000
contacts and to access the bat catalog

1069
00:52:31,800 --> 00:52:37,710

of episodes going back to 2008 you can

1070

00:52:36,000 --> 00:52:40,769

follow the skeptic zone podcast on

1071

00:52:37,710 --> 00:52:43,050

twitter at skeptic zone visit our

1072

00:52:40,769 --> 00:52:43,940

facebook page or leave a review on

1073

00:52:43,050 --> 00:52:46,619

itunes

1074

00:52:43,940 --> 00:52:50,519

you can also support the skeptic zone

1075

00:52:46,619 --> 00:52:53,100

via patreon or paypal you can be part of

1076

00:52:50,519 --> 00:52:57,509

the show by downloading the voice byte

1077

00:52:53,099 --> 00:53:00,868

app at Voice bite comm and using the

1078

00:52:57,510 --> 00:53:03,590

hashtag skeptic zone the skeptic zone

1079

00:53:00,869 --> 00:53:05,970

podcast is an independent production

1080

00:53:03,590 --> 00:53:08,100

reviews and opinions expressed on the

1081

00:53:05,969 --> 00:53:10,439

skeptic zone are not necessarily those

1082

00:53:08,099 --> 00:53:12,269

of Australian skeptics or any other

1083

00:53:10,440 --> 00:53:18,710

sceptical organisation

1084

00:53:12,269 --> 00:53:18,710

[Music]