

The Skeptic Zone
Show 284 - 30 March 2014



Mars Desert Research Station

1
00:00:23,029 --> 00:00:09,190
welcome to the skeptic zone the podcast

2
00:00:26,870 --> 00:00:25,189
yes it's the skeptic zone episode number

3
00:00:29,830 --> 00:00:26,880
284

4
00:00:31,589 --> 00:00:29,840
for the 30th of march 2014 richard

5
00:00:32,950 --> 00:00:31,599
saunders here with you from sydney

6
00:00:35,030 --> 00:00:32,960
australia

7
00:00:39,030 --> 00:00:35,040
and uh i just i noticed the other day

8
00:00:41,590 --> 00:00:39,040
the new uh russell crowe movie um

9
00:00:43,110 --> 00:00:41,600
noah has opened it's very appropriate i

10
00:00:44,549 --> 00:00:43,120
think because in the last week here in

11
00:00:47,350 --> 00:00:44,559
sydney we've had

12
00:00:49,350 --> 00:00:47,360
a biblical flood well we've had lots of

13
00:00:51,190 --> 00:00:49,360

rain i'll put it that way

14

00:00:52,470 --> 00:00:51,200

and i happened

15

00:00:54,790 --> 00:00:52,480

to be

16

00:00:57,189 --> 00:00:54,800

last monday driving

17

00:00:59,349 --> 00:00:57,199

down through sydney to the south coast

18

00:01:00,549 --> 00:00:59,359

to visit my mother

19

00:01:02,150 --> 00:01:00,559

and

20

00:01:04,549 --> 00:01:02,160

the heavens opened

21

00:01:06,310 --> 00:01:04,559

not some biblical references today yes

22

00:01:08,390 --> 00:01:06,320

it was incredible one of the worst

23

00:01:09,350 --> 00:01:08,400

driving conditions i've ever seen in my

24

00:01:11,030 --> 00:01:09,360

life

25

00:01:12,469 --> 00:01:11,040

but you don't want to hear about that no

26
00:01:14,870 --> 00:01:12,479
no you want to hear about what's coming

27
00:01:17,350 --> 00:01:14,880
up on the skeptic zone this week we

28
00:01:21,350 --> 00:01:17,360
travel to mars once again with our good

29
00:01:24,630 --> 00:01:21,360
friend dr bashir saab who

30
00:01:26,950 --> 00:01:24,640
was uh in the past week or so

31
00:01:30,070 --> 00:01:26,960
locked away in the utah desert in a mars

32
00:01:34,149 --> 00:01:30,080
simulation now some skeptics own

33
00:01:36,550 --> 00:01:34,159
listeners sent dr saab some questions

34
00:01:39,429 --> 00:01:36,560
and he replies this week on the skeptic

35
00:01:41,670 --> 00:01:39,439
zone so we learn a little bit more about

36
00:01:42,630 --> 00:01:41,680
what it's like for him and his team his

37
00:01:43,670 --> 00:01:42,640
crew

38
00:01:46,469 --> 00:01:43,680

to be

39

00:01:48,069 --> 00:01:46,479

simulating a mission to mars that's

40

00:01:51,030 --> 00:01:48,079

coming up at the top of the show

41

00:01:53,830 --> 00:01:51,040

following that it's some media clips

42

00:01:56,469 --> 00:01:53,840

some media clips in the past week

43

00:01:58,230 --> 00:01:56,479

there's been some stats released here in

44

00:01:59,429 --> 00:01:58,240

australia about the

45

00:02:01,510 --> 00:01:59,439

areas

46

00:02:03,990 --> 00:02:01,520

where there are pockets of very low

47

00:02:05,590 --> 00:02:04,000

vaccination and this made the news there

48

00:02:07,190 --> 00:02:05,600

was lots of comment

49

00:02:09,350 --> 00:02:07,200

we're going to hear a radio clip with a

50

00:02:11,270 --> 00:02:09,360

comment a comment from the shadow

51
00:02:13,990 --> 00:02:11,280
minister of health here in new south

52
00:02:15,990 --> 00:02:14,000
wales which i think you'll find

53
00:02:18,710 --> 00:02:16,000
quite blunt and then we're going to hear

54
00:02:21,430 --> 00:02:18,720
a clip from a show a tv show called

55
00:02:22,550 --> 00:02:21,440
studio 10 which is uh taped right here

56
00:02:24,070 --> 00:02:22,560
in sydney

57
00:02:26,949 --> 00:02:24,080
i've actually been in the audience for

58
00:02:29,270 --> 00:02:26,959
studio 10 it's it's a lot of fun it's a

59
00:02:31,350 --> 00:02:29,280
sort of an infomercial chatting sort of

60
00:02:32,550 --> 00:02:31,360
morning type show

61
00:02:34,949 --> 00:02:32,560
but wow

62
00:02:37,350 --> 00:02:34,959
wait till you hear what one of their

63
00:02:40,150 --> 00:02:37,360

regular hosts joe hildebrand

64

00:02:41,750 --> 00:02:40,160

has to say about the vaccination issue

65

00:02:45,430 --> 00:02:41,760

the other voices you'll hear are ida

66

00:02:47,350 --> 00:02:45,440

buttrose sarah harris and jessica rowe

67

00:02:49,350 --> 00:02:47,360

but joe hildebrand certainly doesn't

68

00:02:51,110 --> 00:02:49,360

pull any punches and i think you'll find

69

00:02:53,030 --> 00:02:51,120

the audio

70

00:02:55,110 --> 00:02:53,040

quite entertaining

71

00:02:57,190 --> 00:02:55,120

and following that a message from our

72

00:03:00,070 --> 00:02:57,200

good friend bob blaskowitz

73

00:03:02,149 --> 00:03:00,080

uh regarding the bazinski clinic

74

00:03:04,869 --> 00:03:02,159

and a new petition that's been set up

75

00:03:07,110 --> 00:03:04,879

some very interesting and important news

76

00:03:11,110 --> 00:03:07,120

i think you'll agree

77

00:03:12,149 --> 00:03:11,120

the uh continuing saga of the brzezinski

78

00:03:14,550 --> 00:03:12,159

clinic

79

00:03:16,949 --> 00:03:14,560

and then for a change of pace uh the

80

00:03:18,869 --> 00:03:16,959

other night here in sydney we had a uh

81

00:03:21,270 --> 00:03:18,879

australian skeptic's dinner we have them

82

00:03:24,149 --> 00:03:21,280

four times a year it's a great turnout a

83

00:03:26,550 --> 00:03:24,159

lovely dinner and a good talk from katan

84

00:03:29,509 --> 00:03:26,560

joshi about he called it anything

85

00:03:32,149 --> 00:03:29,519

syndrome sort of like wind farm syndrome

86

00:03:34,710 --> 00:03:32,159

or cell phone tower syndrome or mobile

87

00:03:36,309 --> 00:03:34,720

phone syndromes would say in australia

88

00:03:38,149 --> 00:03:36,319

anyway he gave an interesting talk

89

00:03:40,229 --> 00:03:38,159

before he gave his talk i spoke to the

90

00:03:42,309 --> 00:03:40,239

dinner crowd and i thought i'd include

91

00:03:44,149 --> 00:03:42,319

that in this episode of the zone

92

00:03:45,589 --> 00:03:44,159

sorry if you weren't there and you're

93

00:03:48,149 --> 00:03:45,599

wondering what it's like to go to an

94

00:03:50,949 --> 00:03:48,159

australian skeptic's dinner meeting

95

00:03:53,110 --> 00:03:50,959

you'll get a a taste of it what do we

96

00:03:55,270 --> 00:03:53,120

talk about what do i say find out later

97

00:03:56,390 --> 00:03:55,280

on following that it's a week in science

98

00:04:00,470 --> 00:03:56,400

from our good friends at the royal

99

00:04:02,710 --> 00:04:00,480

institution of australia www.riaus.

100

00:04:03,830 --> 00:04:02,720

you and i noticed their director dr paul

101
00:04:06,789 --> 00:04:03,840
willis who

102
00:04:09,030 --> 00:04:06,799
has heard many times on the skeptic zone

103
00:04:11,190 --> 00:04:09,040
he's been swarming around the antarctic

104
00:04:13,270 --> 00:04:11,200
looking at penguins and interesting

105
00:04:16,229 --> 00:04:13,280
things lately i i think

106
00:04:17,830 --> 00:04:16,239
i think when he gets back we might uh

107
00:04:19,990 --> 00:04:17,840
we might line up an interview with a

108
00:04:21,670 --> 00:04:20,000
doctor willis he tells me

109
00:04:23,189 --> 00:04:21,680
he's been to the antarctic many times he

110
00:04:25,510 --> 00:04:23,199
tells me once he went down there and he

111
00:04:26,870 --> 00:04:25,520
found a plesiosaur

112
00:04:29,110 --> 00:04:26,880
as you do

113
00:04:31,430 --> 00:04:29,120

then to round off the show

114

00:04:34,550 --> 00:04:31,440

it's a message from

115

00:04:36,870 --> 00:04:34,560

scam watch from the a triple c scam

116

00:04:38,870 --> 00:04:36,880

watch they put out a newsletter which i

117

00:04:40,710 --> 00:04:38,880

i get every now and then it's very good

118

00:04:42,550 --> 00:04:40,720

advice this is all about something i

119

00:04:45,350 --> 00:04:42,560

think is a worldwide

120

00:04:47,590 --> 00:04:45,360

problem this is uh this is scammers

121

00:04:49,270 --> 00:04:47,600

ringing you up and telling you your

122

00:04:50,710 --> 00:04:49,280

computer's infected

123

00:04:52,950 --> 00:04:50,720

with a virus

124

00:04:55,189 --> 00:04:52,960

so i'll read out the advice

125

00:04:58,230 --> 00:04:55,199

from the australian government's

126

00:05:00,150 --> 00:04:58,240

scam watch and as i talk the rain has

127

00:05:02,310 --> 00:05:00,160

come back i can just hear it patterning

128

00:05:04,790 --> 00:05:02,320

on the roof i better run downstairs and

129

00:05:06,950 --> 00:05:04,800

make sure my ark is stocked

130

00:05:09,430 --> 00:05:06,960

stocked with lots of uh

131

00:05:11,430 --> 00:05:09,440

cat food for fred the cat

132

00:05:24,629 --> 00:05:11,440

well i do that i hope you enjoy the

133

00:05:24,639 --> 00:05:43,350

losing the best

134

00:05:48,870 --> 00:05:45,830

as i record this in the desert of utah

135

00:05:52,870 --> 00:05:48,880

at the mars desert research station crew

136

00:05:55,110 --> 00:05:52,880

138 are running an analog mars mission

137

00:05:56,790 --> 00:05:55,120

testing to see if they can live together

138

00:05:59,029 --> 00:05:56,800

work together

139

00:06:00,310 --> 00:05:59,039

in a mars-like environment a little

140

00:06:04,629 --> 00:06:00,320

habitat

141

00:06:07,189 --> 00:06:04,639

encased in a full space suit

142

00:06:10,550 --> 00:06:07,199

well our friend dr bashira saab is the

143

00:06:13,029 --> 00:06:10,560

crew biologist and science officer a

144

00:06:15,990 --> 00:06:13,039

couple of weeks ago i asked listeners of

145

00:06:16,950 --> 00:06:16,000

the skeptic zone to send questions to dr

146

00:06:19,110 --> 00:06:16,960

saab

147

00:06:21,909 --> 00:06:19,120

and here are some questions with his

148

00:06:24,550 --> 00:06:21,919

answers direct from mars

149

00:06:26,790 --> 00:06:24,560

or the next best thing

150

00:06:29,510 --> 00:06:26,800

colleen from oxford in england writes

151

00:06:32,070 --> 00:06:29,520

hello dr saab are most of the people

152

00:06:33,510 --> 00:06:32,080

with you men or women does it make

153

00:06:35,270 --> 00:06:33,520

things awkward

154

00:06:41,189 --> 00:06:35,280

do you think you could live for months

155

00:06:45,430 --> 00:06:44,469

hi colin thanks for your question

156

00:06:48,390 --> 00:06:45,440

um

157

00:06:49,749 --> 00:06:48,400

i'm outside on ede right now

158

00:06:51,430 --> 00:06:49,759

you might hear a little bit of echo in

159

00:06:53,510 --> 00:06:51,440

my voice

160

00:06:56,070 --> 00:06:53,520

i'm responding

161

00:06:56,790 --> 00:06:56,080

to your question about

162

00:07:01,270 --> 00:06:56,800

the

163

00:07:04,150 --> 00:07:01,280

mostly men are mostly women

164

00:07:06,710 --> 00:07:04,160

well that entirely depends on the crew

165

00:07:07,909 --> 00:07:06,720

in my case we have four men and we have

166

00:07:09,670 --> 00:07:07,919

two women

167

00:07:12,070 --> 00:07:09,680

crew commander

168

00:07:12,790 --> 00:07:12,080

is female that's jamie the critiologist

169

00:07:14,950 --> 00:07:12,800

is

170

00:07:17,430 --> 00:07:14,960

female as johanna

171

00:07:20,230 --> 00:07:17,440

and the rest of us the executive officer

172

00:07:22,790 --> 00:07:20,240

the biologist myself crew engineer

173

00:07:24,790 --> 00:07:22,800

and the crew journalist in our case

174

00:07:27,110 --> 00:07:24,800

we are all men

175

00:07:28,469 --> 00:07:27,120

it's not awkward at all with these

176
00:07:30,469 --> 00:07:28,479
people

177
00:07:32,469 --> 00:07:30,479
and i'm not sure if the gender of the

178
00:07:34,070 --> 00:07:32,479
person would render things more awkward

179
00:07:36,309 --> 00:07:34,080
or less awkward

180
00:07:37,909 --> 00:07:36,319
but rather the personality

181
00:07:40,469 --> 00:07:37,919
and in our case we

182
00:07:41,670 --> 00:07:40,479
have a bunch of people who are

183
00:07:44,390 --> 00:07:41,680
pretty cool

184
00:07:47,270 --> 00:07:44,400
pretty chill pretty smart

185
00:07:50,950 --> 00:07:49,670
i guess we all share our vision

186
00:07:54,950 --> 00:07:50,960
that going to mars is something

187
00:08:00,070 --> 00:07:57,510
and i think that i could live

188
00:08:03,189 --> 00:08:00,080

with these same people for

189

00:08:07,029 --> 00:08:04,550

in all honesty it would probably be

190

00:08:10,869 --> 00:08:07,039

easier for me to live with them

191

00:08:15,990 --> 00:08:13,189

i'm a

192

00:08:18,230 --> 00:08:16,000

pretty happy guy

193

00:08:21,110 --> 00:08:18,240

here's a question from victoria

194

00:08:23,749 --> 00:08:21,120

in perth western australia

195

00:08:25,430 --> 00:08:23,759

hi i have a question for you bash

196

00:08:26,390 --> 00:08:25,440

are you bonkers

197

00:08:27,990 --> 00:08:26,400

if so

198

00:08:31,270 --> 00:08:28,000

do you think that might help you on a

199

00:08:33,670 --> 00:08:31,280

trip to mars good luck

200

00:08:35,430 --> 00:08:33,680

this is an answer to a question from

201
00:08:38,790 --> 00:08:35,440
perth australia

202
00:08:42,630 --> 00:08:38,800
from a woman named victoria

203
00:08:44,389 --> 00:08:42,640
she asked me if i am bonkers

204
00:08:46,949 --> 00:08:44,399
bonkers no

205
00:08:48,389 --> 00:08:46,959
i don't think so

206
00:08:50,630 --> 00:08:48,399
maybe a little bit

207
00:08:53,110 --> 00:08:50,640
out there

208
00:08:56,710 --> 00:08:53,120
out of the box

209
00:08:58,470 --> 00:08:56,720
but um i'm not crazy

210
00:09:01,350 --> 00:08:58,480
and do i think that being bonkers would

211
00:09:05,269 --> 00:09:01,360
help somebody on a mission to mars

212
00:09:10,389 --> 00:09:07,269
what you need to have is somebody who's

213
00:09:13,350 --> 00:09:10,399

stable somebody who

214

00:09:16,870 --> 00:09:13,360

can endure things and somebody who can

215

00:09:20,150 --> 00:09:16,880

take serious situations seriously

216

00:09:23,110 --> 00:09:20,160

and address reality as opposed to

217

00:09:24,949 --> 00:09:23,120

their imagination

218

00:09:27,430 --> 00:09:24,959

however

219

00:09:29,990 --> 00:09:27,440

i will say that

220

00:09:31,509 --> 00:09:30,000

i'm very playful

221

00:09:33,350 --> 00:09:31,519

and that playfulness

222

00:09:36,389 --> 00:09:33,360

at times can come across

223

00:09:39,030 --> 00:09:36,399

rather eccentric

224

00:09:41,030 --> 00:09:39,040

and i do believe that this eccentricity

225

00:09:45,030 --> 00:09:41,040

this playfulness

226

00:09:46,389 --> 00:09:45,040

will benefit me on a trip to mars

227

00:09:48,630 --> 00:09:46,399

and will benefit me when i'm living

228

00:09:48,640 --> 00:09:52,310

because things will be

229

00:09:55,910 --> 00:09:54,310

very different than how they are on

230

00:09:57,509 --> 00:09:55,920

earth

231

00:09:58,389 --> 00:09:57,519

at the moment i'm walking around and i

232

00:10:00,630 --> 00:09:58,399

have a

233

00:10:02,870 --> 00:10:00,640

full space suit on

234

00:10:07,670 --> 00:10:02,880

i've been here for 10 days or so and i

235

00:10:11,509 --> 00:10:08,870

and

236

00:10:13,269 --> 00:10:11,519

i just think it's fun

237

00:10:15,509 --> 00:10:13,279

i play with it

238

00:10:16,829 --> 00:10:15,519

and honestly i forget that i'm even

239

00:10:20,870 --> 00:10:16,839

wearing

240

00:10:25,509 --> 00:10:20,880

it and while i do miss

241

00:10:30,630 --> 00:10:27,030

i know that what i'm doing carries a

242

00:10:39,269 --> 00:10:33,030

than that enjoyment

243

00:10:44,710 --> 00:10:41,750

a question from leon in berlin

244

00:10:47,190 --> 00:10:44,720

hi bash may i ask you how you spend your

245

00:10:48,150 --> 00:10:47,200

free time in the station do you look at

246

00:10:50,389 --> 00:10:48,160

tv

247

00:10:53,590 --> 00:10:50,399

do you have an xbox or something or is

248

00:10:58,310 --> 00:10:53,600

all your time used for science

249

00:11:02,470 --> 00:11:00,230

for fun we often sit around after dinner

250

00:11:04,230 --> 00:11:02,480

and play cards we don't have a tv we

251
00:11:05,670 --> 00:11:04,240
don't have an xbox or anything like that

252
00:11:07,829 --> 00:11:05,680
in theory we could play some computer

253
00:11:10,069 --> 00:11:07,839
games but we don't bother

254
00:11:11,670 --> 00:11:10,079
we like to dick around with the card

255
00:11:14,069 --> 00:11:11,680
games

256
00:11:16,790 --> 00:11:14,079
and sometimes we'll even like maybe

257
00:11:18,310 --> 00:11:16,800
discuss science or something like that

258
00:11:21,750 --> 00:11:18,320
maybe you think it's dry but it's pretty

259
00:11:24,230 --> 00:11:21,760
fun uh me i i pass i don't have anything

260
00:11:28,389 --> 00:11:26,470
i'm already recording this is for mark

261
00:11:29,990 --> 00:11:28,399
who's asked us what we hope to learn

262
00:11:33,350 --> 00:11:30,000
maybe we'll start with the crew

263
00:11:34,710 --> 00:11:33,360

journalists um as a crew journalist

264

00:11:35,509 --> 00:11:34,720

i really don't i didn't really set up

265

00:11:39,430 --> 00:11:35,519

with

266

00:11:41,190 --> 00:11:39,440

a big objective objective i just

267

00:11:43,350 --> 00:11:41,200

want to focus on documenting what it was

268

00:11:45,110 --> 00:11:43,360

like for this crew to uh

269

00:11:46,550 --> 00:11:45,120

you know band of six strangers to come

270

00:11:49,670 --> 00:11:46,560

together and

271

00:11:52,150 --> 00:11:49,680

uh carry out their experiments and uh

272

00:11:53,910 --> 00:11:52,160

work for uh two weeks with uh

273

00:11:58,710 --> 00:11:53,920

basically yeah strangers what's your

274

00:12:02,150 --> 00:12:00,310

okay then we'll move on to crew

275

00:12:06,310 --> 00:12:02,160

geologist

276

00:12:08,230 --> 00:12:06,320

johanna hoyt

277

00:12:10,069 --> 00:12:08,240

and the

278

00:12:12,310 --> 00:12:10,079

project that i put together to work on

279

00:12:15,110 --> 00:12:12,320

while at the

280

00:12:17,829 --> 00:12:15,120

mars research station is to

281

00:12:20,870 --> 00:12:17,839

evaluate the resolution at which you can

282

00:12:23,750 --> 00:12:20,880

map geologically via google earth

283

00:12:25,430 --> 00:12:23,760

and so far it's going well

284

00:12:26,629 --> 00:12:25,440

sweet so have you learned what you hope

285

00:12:30,150 --> 00:12:26,639

to

286

00:12:32,310 --> 00:12:30,160

uh i believe i have all right

287

00:12:33,509 --> 00:12:32,320

and now we go with

288

00:12:36,710 --> 00:12:33,519

with uh

289

00:13:05,430 --> 00:12:36,720

with our executive officer

290

00:13:10,949 --> 00:13:07,750

thanks

291

00:13:10,959 --> 00:13:14,470

is roman gonzalez

292

00:13:18,790 --> 00:13:17,269

now we'll go to uh crew

293

00:13:26,629 --> 00:13:18,800

engineer

294

00:13:29,350 --> 00:13:28,230

hi my name is jay burger i'm the crew

295

00:13:31,670 --> 00:13:29,360

engineer

296

00:13:34,470 --> 00:13:31,680

so i take care of all the functional

297

00:13:37,590 --> 00:13:34,480

activities around the hab water

298

00:13:40,389 --> 00:13:37,600

electricity atvs the spacesuits

299

00:13:42,150 --> 00:13:40,399

but yeah so my background is eva

300

00:13:44,389 --> 00:13:42,160

so that's what my research

301
00:13:45,670 --> 00:13:44,399
is about here so kind of testing two

302
00:13:48,550 --> 00:13:45,680
things one

303
00:13:50,870 --> 00:13:48,560
we're using a quadcopter to take some

304
00:13:51,829 --> 00:13:50,880
photographs to do reconnaissance before

305
00:13:57,990 --> 00:13:51,839
we

306
00:13:59,110 --> 00:13:58,000
mountainous or there's too many boulders

307
00:14:00,069 --> 00:13:59,120
or just to make sure we can get where we

308
00:14:02,629 --> 00:14:00,079
want to go

309
00:14:05,030 --> 00:14:02,639
and then the other part is uh testing uh

310
00:14:07,110 --> 00:14:05,040
autonomy during an eva versus a detailed

311
00:14:09,670 --> 00:14:07,120
timeline or something very planned out

312
00:14:12,150 --> 00:14:09,680
and uh so we've done both scenarios and

313
00:14:14,150 --> 00:14:12,160

um yeah it seems like the best bet is to

314

00:14:15,910 --> 00:14:14,160

do a combination of both

315

00:14:16,949 --> 00:14:15,920

so that's what i've been doing here

316

00:14:17,829 --> 00:14:16,959

sweet

317

00:14:20,150 --> 00:14:17,839

thanks

318

00:14:22,069 --> 00:14:20,160

and i'll bring to the mission

319

00:14:24,389 --> 00:14:22,079

crew commander

320

00:14:26,550 --> 00:14:24,399

um my name is jamie gwinnett and i'm the

321

00:14:29,350 --> 00:14:26,560

commander for crew 138 none of my

322

00:14:31,110 --> 00:14:29,360

research was approved to do here so i am

323

00:14:32,790 --> 00:14:31,120

actually using this as kind of like a

324

00:14:34,310 --> 00:14:32,800

scouting mission or proof of concept

325

00:14:35,990 --> 00:14:34,320

mission to

326

00:14:38,629 --> 00:14:36,000

possibly conduct some

327

00:14:40,550 --> 00:14:38,639

future research on benefits of exercise

328

00:14:43,750 --> 00:14:40,560

countermeasures in a confined living

329

00:14:45,910 --> 00:14:43,760

environment such as mdrs but then also

330

00:14:49,430 --> 00:14:45,920

i'm interested in characterizing a

331

00:14:50,710 --> 00:14:49,440

typical mars eva work day so

332

00:14:52,629 --> 00:14:50,720

there's a battery of tests that will

333

00:14:54,470 --> 00:14:52,639

include various functional tasks that

334

00:14:56,949 --> 00:14:54,480

one might expect a crew member to

335

00:14:59,350 --> 00:14:56,959

perform on the service of mars

336

00:15:06,629 --> 00:14:59,360

super all right thanks can everybody say

337

00:15:11,750 --> 00:15:08,710

you can find out more about the mars

338

00:15:47,910 --> 00:15:11,760

desert research station by visiting

339

00:15:51,990 --> 00:15:50,150

virtual skeptics is a weekly web show in

340

00:15:54,230 --> 00:15:52,000

which we discuss the latest news in

341

00:15:56,150 --> 00:15:54,240

skepticism whether it's a new case of

342

00:15:57,990 --> 00:15:56,160

spontaneous human combustion a

343

00:16:00,230 --> 00:15:58,000

conspiracy theory the latest update on

344

00:16:01,829 --> 00:16:00,240

the upcoming robot apocalypse tech news

345

00:16:04,150 --> 00:16:01,839

for skeptics or the latest wacky

346

00:16:06,310 --> 00:16:04,160

religious claim we cover it all

347

00:16:09,030 --> 00:16:06,320

we record the show live as a google plus

348

00:16:11,350 --> 00:16:09,040

on-air hangout so join us and our host

349

00:16:13,990 --> 00:16:11,360

brian gregory for an hour of mostly

350

00:16:17,069 --> 00:16:14,000

intelligent talk every wednesday at 8pm

351

00:16:19,189 --> 00:16:17,079

eastern u.s time watch us at

352

00:16:22,550 --> 00:16:19,199

virtualskeptics.com and participate in

353

00:16:24,870 --> 00:16:22,560

the show on our hashtag virtualskeptic

354

00:16:30,870 --> 00:16:24,880

the virtual skeptics it's like meet the

355

00:16:34,790 --> 00:16:32,710

some of sydney's wealthiest suburbs have

356

00:16:36,389 --> 00:16:34,800

the lowest vaccination rates new figures

357

00:16:38,550 --> 00:16:36,399

show only about 80 percent of

358

00:16:40,629 --> 00:16:38,560

five-year-olds in manly paddington and

359

00:16:42,230 --> 00:16:40,639

annandale are fully immunized shadow

360

00:16:43,990 --> 00:16:42,240

health minister andrew mcdonald says

361

00:16:45,829 --> 00:16:44,000

anti-vaccine groups are spreading

362

00:16:47,749 --> 00:16:45,839

misinformation it's a worldwide

363

00:16:50,550 --> 00:16:47,759

phenomena that some of the wealthier

364

00:16:52,230 --> 00:16:50,560

areas have lower immunization rates

365

00:16:54,389 --> 00:16:52,240

groups such as the Australian

366

00:16:56,310 --> 00:16:54,399

vaccination network are evil they've

367

00:16:58,389 --> 00:16:56,320

been forced to change their name but

368

00:17:08,789 --> 00:16:58,399

already some of the damage that they

369

00:17:13,829 --> 00:17:10,789

welcome back to studio 10 now some of

370

00:17:17,270 --> 00:17:13,839

Australia's most affluent suburbs have

371

00:17:18,789 --> 00:17:17,280

the lowest rates of child immunisation

372

00:17:21,189 --> 00:17:18,799

that's according to new research that

373

00:17:23,669 --> 00:17:21,199

has doctors warning outbreaks of measles

374

00:17:25,750 --> 00:17:23,679

and other infectious diseases could have

375

00:17:27,510 --> 00:17:25,760

devastating effects

376

00:17:28,950 --> 00:17:27,520

jane

377

00:17:30,630 --> 00:17:28,960

what do you make of this

378

00:17:32,710 --> 00:17:30,640

well

379

00:17:34,549 --> 00:17:32,720

my first child almost died of a

380

00:17:36,710 --> 00:17:34,559

condition you cannot vaccinate against

381

00:17:38,549 --> 00:17:36,720

vaccinate against rsv positive

382

00:17:40,470 --> 00:17:38,559

bronchiolitis and i would recommend that

383

00:17:42,789 --> 00:17:40,480

anyone who is considering not

384

00:17:45,029 --> 00:17:42,799

vaccinating their child spend at least a

385

00:17:47,669 --> 00:17:45,039

week in the intensive care unit of a

386

00:17:50,390 --> 00:17:47,679

children's hospital and have a look at

387

00:17:52,630 --> 00:17:50,400

what happens in those places and how

388

00:17:54,789 --> 00:17:52,640

sick children can get i can tell you

389

00:17:56,310 --> 00:17:54,799

when we came out of there

390

00:17:57,830 --> 00:17:56,320

i immunized my children against

391

00:17:59,510 --> 00:17:57,840

absolutely everything you possibly think

392

00:18:01,909 --> 00:17:59,520

of yeah

393

00:18:03,909 --> 00:18:01,919

it is it is a

394

00:18:05,270 --> 00:18:03,919

it is a terrible terrible risk to take

395

00:18:08,150 --> 00:18:05,280

with your own children but because we

396

00:18:09,830 --> 00:18:08,160

need the herd um effect of immunisation

397

00:18:11,669 --> 00:18:09,840

it is also a terrible risk you take with

398

00:18:13,990 --> 00:18:11,679

other people's children it's wicked i

399

00:18:16,470 --> 00:18:14,000

think it's absolutely wicked of parents

400

00:18:18,070 --> 00:18:16,480

to say oh no no because i've read online

401
00:18:19,590 --> 00:18:18,080
because i've heard from this naturopath

402
00:18:22,390 --> 00:18:19,600
that there are these risks i'm not going

403
00:18:23,990 --> 00:18:22,400
to immunize my children okay

404
00:18:25,909 --> 00:18:24,000
that's your business but the thing is as

405
00:18:29,270 --> 00:18:25,919
you say because it puts other kids at

406
00:18:31,909 --> 00:18:29,280
risk other kids who are immunized it is

407
00:18:34,789 --> 00:18:31,919
really really dangerous and it makes me

408
00:18:37,510 --> 00:18:34,799
incredibly cross what do you make of the

409
00:18:38,950 --> 00:18:37,520
link between uh affluent suburbs and the

410
00:18:40,630 --> 00:18:38,960
lack of immunisation what do you think

411
00:18:42,390 --> 00:18:40,640
is going on here i think there's

412
00:18:44,310 --> 00:18:42,400
basically and we know that it's at the

413
00:18:46,470 --> 00:18:44,320

affluent suburbs in the eastern suburbs

414

00:18:48,150 --> 00:18:46,480

and some of the suburbs of sydney and i

415

00:18:49,270 --> 00:18:48,160

would think also other major

416

00:18:50,789 --> 00:18:49,280

countries

417

00:18:52,150 --> 00:18:50,799

um and also of course there's stupid

418

00:18:54,230 --> 00:18:52,160

hippies up in the

419

00:18:56,950 --> 00:18:54,240

uh north coast but i guess the question

420

00:18:59,350 --> 00:18:56,960

is why are educated people making really

421

00:19:01,110 --> 00:18:59,360

uneducated decisions about ourselves in

422

00:19:02,630 --> 00:19:01,120

some ways it's kind of because i think

423

00:19:04,070 --> 00:19:02,640

they feel like they have the luxury too

424

00:19:05,590 --> 00:19:04,080

they feel like they know better they

425

00:19:07,110 --> 00:19:05,600

think that they know better than trained

426
00:19:08,789 --> 00:19:07,120
doctors they think they know better than

427
00:19:11,510 --> 00:19:08,799
scientists who have worked for

428
00:19:13,990 --> 00:19:11,520
generations if not centuries to wipe out

429
00:19:17,029 --> 00:19:14,000
these diseases and the idea that this

430
00:19:19,029 --> 00:19:17,039
could all be undone by some stupid

431
00:19:26,150 --> 00:19:19,039
bloody know-it-all i just googled

432
00:19:31,350 --> 00:19:28,710
absolutely absolutely disgraceful to

433
00:19:34,230 --> 00:19:31,360
think that in a 21st century western

434
00:19:35,909 --> 00:19:34,240
society we have these morons who are

435
00:19:37,990 --> 00:19:35,919
endangering the lives not only of their

436
00:19:39,909 --> 00:19:38,000
own children but of completely innocent

437
00:19:41,909 --> 00:19:39,919
children around them and quite frankly

438
00:19:44,230 --> 00:19:41,919

if you do not vaccinate your children

439

00:19:48,470 --> 00:19:44,240

you are putting lives at risk and you

440

00:20:02,630 --> 00:19:48,480

are a bad bad bad parent and a bad bad

441

00:20:05,350 --> 00:20:03,990

sorry you do have every right to not

442

00:20:06,789 --> 00:20:05,360

vaccinate yourself i've got to say you

443

00:20:08,150 --> 00:20:06,799

do it is your choice that you have every

444

00:20:09,510 --> 00:20:08,160

right not to vaccinate your children

445

00:20:11,029 --> 00:20:09,520

you're just going to have to be fenced

446

00:20:12,470 --> 00:20:11,039

off in a little cabin somewhere in the

447

00:20:14,390 --> 00:20:12,480

middle of the desert

448

00:20:18,830 --> 00:20:14,400

and maybe you can get some letters from

449

00:20:22,710 --> 00:20:20,470

okay they're trying to wipe out the

450

00:20:25,270 --> 00:20:22,720

species i think it's only fair that we

451
00:20:26,789 --> 00:20:25,280
look yeah i i i i can't believe people

452
00:20:28,630 --> 00:20:26,799
still listen to anybody anti-vaxxers

453
00:20:30,470 --> 00:20:28,640
it's just isn't it

454
00:20:32,310 --> 00:20:30,480
nonsensical it's part of this whole

455
00:20:33,990 --> 00:20:32,320
anti-science thing that's going on at

456
00:20:37,190 --> 00:20:34,000
the moment though yeah we're across the

457
00:20:40,390 --> 00:20:37,200
board we're it's no longer believing

458
00:20:42,549 --> 00:20:40,400
facts and actual proof and medicine and

459
00:20:44,230 --> 00:20:42,559
scientists and things about the climate

460
00:20:45,510 --> 00:20:44,240
and the planet it's the picking and

461
00:20:47,029 --> 00:20:45,520
choosing as well like this is what

462
00:20:48,470 --> 00:20:47,039
drives me absolutely crazy so you'll

463
00:20:49,669 --> 00:20:48,480

have a bunch of hippies who say oh but

464

00:20:50,630 --> 00:20:49,679

the science of climate change is not

465

00:20:52,230 --> 00:20:50,640

something

466

00:20:53,990 --> 00:20:52,240

they'll go oh but you know you know

467

00:20:55,270 --> 00:20:54,000

eradicating diseases like polio well you

468

00:20:57,669 --> 00:20:55,280

know what about this other conspiracy

469

00:20:59,430 --> 00:20:57,679

theory website like it's just you know

470

00:21:02,149 --> 00:20:59,440

the scientists are right they're smarter

471

00:21:03,669 --> 00:21:02,159

than you and me i'm not

472

00:21:06,710 --> 00:21:03,679

i'm not going to vaccinate my kids but

473

00:21:14,630 --> 00:21:06,720

i'm going to inject botox into my face

474

00:21:18,950 --> 00:21:17,190

what i'm saying is you know like i'm

475

00:21:22,149 --> 00:21:18,960

standing up for the people who use botox

476

00:21:23,990 --> 00:21:22,159

it's better to vaccinate your kids

477

00:21:31,669 --> 00:21:24,000

it's very simple just do whatever your

478

00:21:31,679 --> 00:21:45,110

let's move on

479

00:21:45,120 --> 00:22:10,789

so

480

00:22:10,799 --> 00:22:27,510

foreign

481

00:22:32,070 --> 00:22:30,470

hello i'm marit and i'm kristen and we

482

00:22:33,830 --> 00:22:32,080

want to let you know that there are lots

483

00:22:35,750 --> 00:22:33,840

of norwegian skeptics for you to get to

484

00:22:37,590 --> 00:22:35,760

know there are blogs and pubmed and a

485

00:22:39,110 --> 00:22:37,600

podcast and the norwegian skeptics also

486

00:22:41,110 --> 00:22:39,120

do paranormal tests and consumer

487

00:22:58,789 --> 00:22:41,120

activism to find out more google

488

00:23:02,070 --> 00:23:00,510

this is bob blaskowitz from the

489

00:23:04,390 --> 00:23:02,080

houstoncancerquack.com and the other

490

00:23:05,909 --> 00:23:04,400

brzezinski patient group last week

491

00:23:07,669 --> 00:23:05,919

skeptics around the world received some

492

00:23:09,430 --> 00:23:07,679

disturbing news the food and drug

493

00:23:10,630 --> 00:23:09,440

administration the governmental body

494

00:23:12,950 --> 00:23:10,640

that oversees and regulates

495

00:23:14,470 --> 00:23:12,960

pharmaceuticals in the states quietly

496

00:23:16,310 --> 00:23:14,480

announced that they were allowing a

497

00:23:17,990 --> 00:23:16,320

number of cancer patients mostly

498

00:23:20,070 --> 00:23:18,000

children with brain tumors to begin

499

00:23:21,909 --> 00:23:20,080

receiving anti-neoplastins

500

00:23:24,149 --> 00:23:21,919

the signature drug of the houston cancer

501
00:23:25,669 --> 00:23:24,159
quack stanislav brzezinski to bring you

502
00:23:27,909 --> 00:23:25,679
up to speed brzezinski is the sole

503
00:23:29,909 --> 00:23:27,919
manufacturer of this chemotherapy and

504
00:23:31,750 --> 00:23:29,919
for the last 15 years or so he's been

505
00:23:34,149 --> 00:23:31,760
limited to administering it to patients

506
00:23:35,909 --> 00:23:34,159
as part of clinical trials those trials

507
00:23:38,549 --> 00:23:35,919
were placed on a partial clinical hold

508
00:23:40,870 --> 00:23:38,559
for all patients in 2012 after a child

509
00:23:42,390 --> 00:23:40,880
died with an easily lethal sodium level

510
00:23:44,630 --> 00:23:42,400
elevated sodium being a known side

511
00:23:46,549 --> 00:23:44,640
effect of antineoplastins there's no

512
00:23:48,149 --> 00:23:46,559
compelling evidence that antineoplastins

513
00:23:49,750 --> 00:23:48,159

are any more effective at treating brain

514

00:23:51,430 --> 00:23:49,760

cancer than giving the tumors a stern

515

00:23:52,950 --> 00:23:51,440

talking to but that's never stopped

516

00:23:54,470 --> 00:23:52,960

brzezinski from charging hundreds of

517

00:23:56,549 --> 00:23:54,480

thousands of dollars to the most

518

00:23:58,390 --> 00:23:56,559

desperate patients in their families who

519

00:24:01,270 --> 00:23:58,400

often resort to begging for money in the

520

00:24:02,789 --> 00:24:01,280

press to be put on his clinical trials

521

00:24:04,549 --> 00:24:02,799

since then brzezinski has been in a

522

00:24:06,549 --> 00:24:04,559

world of hurt as mainstream media has

523

00:24:09,029 --> 00:24:06,559

become less permissive of his claims

524

00:24:10,950 --> 00:24:09,039

last spring the bbc's investigative news

525

00:24:12,470 --> 00:24:10,960

show panorama produced a scathing

526
00:24:14,710 --> 00:24:12,480
documentary about him that highlighted

527
00:24:17,029 --> 00:24:14,720
patients in the uk he promised us that

528
00:24:18,870 --> 00:24:17,039
we'd see his results very soon but so

529
00:24:21,430 --> 00:24:18,880
far that still hasn't happened

530
00:24:22,950 --> 00:24:21,440
in the us usa today published a damning

531
00:24:24,789 --> 00:24:22,960
feature article on their front page

532
00:24:26,789 --> 00:24:24,799
about brzezinski and have been following

533
00:24:29,750 --> 00:24:26,799
the saga to bring this quack to heal

534
00:24:32,230 --> 00:24:29,760
ever since and what a saga it's been in

535
00:24:34,470 --> 00:24:32,240
november the fda released perhaps the

536
00:24:36,470 --> 00:24:34,480
most unthinkable list of observations

537
00:24:39,110 --> 00:24:36,480
from a site visit that took place the

538
00:24:41,830 --> 00:24:39,120

previous january the fda inspectors

539

00:24:43,430 --> 00:24:41,840

found over 100 overdoses and no evidence

540

00:24:46,070 --> 00:24:43,440

that the clinic made any effort to

541

00:24:47,750 --> 00:24:46,080

prevent new ones from occurring

542

00:24:49,750 --> 00:24:47,760

two-thirds of his reported outcomes

543

00:24:51,750 --> 00:24:49,760

didn't meet the criteria for outcomes

544

00:24:54,070 --> 00:24:51,760

defined in his protocols he failed to

545

00:24:55,590 --> 00:24:54,080

report adverse events in a timely manner

546

00:24:58,310 --> 00:24:55,600

and failed to protect the rights of

547

00:24:59,669 --> 00:24:58,320

patients and on and on

548

00:25:02,149 --> 00:24:59,679

in the warning letter that followed

549

00:25:04,310 --> 00:25:02,159

these inspections the fda asked the

550

00:25:05,830 --> 00:25:04,320

clinic to clarify why it had received

551
00:25:07,990 --> 00:25:05,840
two different versions of the dead

552
00:25:10,149 --> 00:25:08,000
child's medical records from the clinic

553
00:25:13,510 --> 00:25:10,159
whoops and lastly he's in front of the

554
00:25:16,149 --> 00:25:13,520
texas medical board again

555
00:25:17,830 --> 00:25:16,159
but despite this host of abominations

556
00:25:20,470 --> 00:25:17,840
desperate cancer patients have turned up

557
00:25:23,750 --> 00:25:20,480
the heat on congress demanding access to

558
00:25:25,590 --> 00:25:23,760
brzezinski's unproven unpromising and

559
00:25:26,710 --> 00:25:25,600
until recently completely unavailable

560
00:25:29,029 --> 00:25:26,720
drug

561
00:25:30,470 --> 00:25:29,039
brzezinski supporters enthusiastically

562
00:25:32,870 --> 00:25:30,480
paraded dying children in front of

563
00:25:35,750 --> 00:25:32,880

politicians and in the local press they

564

00:25:38,070 --> 00:25:35,760

hired a lobbyist and even got sami hagar

565

00:25:40,470 --> 00:25:38,080

on board they went to washington and

566

00:25:41,909 --> 00:25:40,480

then the unthinkable happened the fda

567

00:25:44,789 --> 00:25:41,919

agreed to allow these patients

568

00:25:47,510 --> 00:25:44,799

compassionate access to anti-neoplastins

569

00:25:49,830 --> 00:25:47,520

but with one caveat that brzezinski is

570

00:25:51,750 --> 00:25:49,840

not the researcher

571

00:25:54,470 --> 00:25:51,760

in some ways an orec has pointed this

572

00:25:56,390 --> 00:25:54,480

out it's a very cynical decision even a

573

00:25:58,310 --> 00:25:56,400

little cruel since in order to get the

574

00:26:00,149 --> 00:25:58,320

drugs it seems that an oncologist other

575

00:26:01,590 --> 00:26:00,159

than brzezinski must not only accept

576

00:26:03,669 --> 00:26:01,600

responsibility and fill out the

577

00:26:05,669 --> 00:26:03,679

paperwork for the exemptions but an

578

00:26:07,830 --> 00:26:05,679

independent institutional review board

579

00:26:09,430 --> 00:26:07,840

will have to sign off on them this seems

580

00:26:11,510 --> 00:26:09,440

unlikely in the extreme as long as

581

00:26:13,750 --> 00:26:11,520

anybody on the ethics panel has access

582

00:26:16,230 --> 00:26:13,760

to google as a result the fda

583

00:26:19,590 --> 00:26:16,240

inexplicably has dangled the illusion of

584

00:26:21,269 --> 00:26:19,600

illusory hope in front of these patients

585

00:26:22,710 --> 00:26:21,279

sadly as i write this it's my

586

00:26:24,549 --> 00:26:22,720

understanding that at least two of the

587

00:26:26,789 --> 00:26:24,559

patients used in this campaign are in

588

00:26:29,110 --> 00:26:26,799

comas and no longer responsive

589

00:26:30,870 --> 00:26:29,120

it is urgent then that skeptics make

590

00:26:33,110 --> 00:26:30,880

their presence known in washington at

591

00:26:34,549 --> 00:26:33,120

this critical moment the skeptics for

592

00:26:37,029 --> 00:26:34,559

the protection of cancer patients have

593

00:26:38,870 --> 00:26:37,039

started a petition on change.org to

594

00:26:41,110 --> 00:26:38,880

alert members of congress to the horrors

595

00:26:43,029 --> 00:26:41,120

that the fda found inside the clinic

596

00:26:45,590 --> 00:26:43,039

it's crucial that we garner as many

597

00:26:47,350 --> 00:26:45,600

signatures as humanly possible given the

598

00:26:49,830 --> 00:26:47,360

massive amount of support children with

599

00:26:51,830 --> 00:26:49,840

cancer can garner very quickly one

600

00:26:54,310 --> 00:26:51,840

petition on behalf of brzezinski to the

601
00:26:57,029 --> 00:26:54,320
white house gathered over one hundred

602
00:26:58,549 --> 00:26:57,039
thousand signatures very very quickly no

603
00:27:01,590 --> 00:26:58,559
group of skeptics will ever have that

604
00:27:03,750 --> 00:27:01,600
type of reach however we have evidence

605
00:27:05,750 --> 00:27:03,760
and those fda documents are purest

606
00:27:07,590 --> 00:27:05,760
poison to brzezinski's claims

607
00:27:09,029 --> 00:27:07,600
we want congress to know that brzezinski

608
00:27:10,870 --> 00:27:09,039
squandered the benefit of the doubt

609
00:27:13,669 --> 00:27:10,880
extended to him by washington and the

610
00:27:15,029 --> 00:27:13,679
fda in the 1990s that he doesn't deserve

611
00:27:16,870 --> 00:27:15,039
another shot

612
00:27:18,470 --> 00:27:16,880
crucially we don't need to persuade

613
00:27:20,549 --> 00:27:18,480

congress to act we simply need to

614

00:27:21,510 --> 00:27:20,559

convince them to not take brzezinski's

615

00:27:22,950 --> 00:27:21,520

side

616

00:27:24,549 --> 00:27:22,960

that'll be enough to deny him the

617

00:27:25,350 --> 00:27:24,559

congressional hearing his supporters

618

00:27:27,590 --> 00:27:25,360

seek

619

00:27:29,590 --> 00:27:27,600

it's doable if every skeptic who hears

620

00:27:30,789 --> 00:27:29,600

this registers their displeasure and i

621

00:27:33,590 --> 00:27:30,799

hope you will

622

00:27:35,269 --> 00:27:33,600

not one in ten not one in five

623

00:27:36,830 --> 00:27:35,279

but you

624

00:27:38,789 --> 00:27:36,840

please go to the

625

00:27:41,190 --> 00:27:38,799

houstoncancerquack.com a link to our

626
00:27:43,190 --> 00:27:41,200
petition is front and center on the page

627
00:27:44,710 --> 00:27:43,200
once you sign the skeptics for the

628
00:27:46,310 --> 00:27:44,720
protection of cancer patients will do

629
00:27:47,669 --> 00:27:46,320
the rest we will

630
00:27:49,430 --> 00:27:47,679
but we want to have something

631
00:27:50,310 --> 00:27:49,440
substantial to hand to our congress

632
00:27:51,990 --> 00:27:50,320
people

633
00:27:54,230 --> 00:27:52,000
listen the information that we have is

634
00:27:56,149 --> 00:27:54,240
so damning that if brzezinski somehow

635
00:27:57,990 --> 00:27:56,159
continues to practice it will be

636
00:27:59,830 --> 00:27:58,000
skeptic's fault that we haven't done

637
00:28:01,909 --> 00:27:59,840
enough advocacy

638
00:28:04,230 --> 00:28:01,919

please go to the houstoncancerquest.com

639

00:28:06,909 --> 00:28:04,240

and sign the petition and protect cancer

640

00:28:08,710 --> 00:28:06,919

patients this is bob lasquez from the

641

00:28:40,710 --> 00:28:08,720

houstoncancerquack.com and the other

642

00:28:45,750 --> 00:28:43,750

hey everybody my name is skeptic society

643

00:28:47,830 --> 00:28:45,760

russia come visit us in moscow in our

644

00:28:49,190 --> 00:28:47,840

bi-weekly meetings and also listen to

645

00:28:51,110 --> 00:28:49,200

our weekly podcast which is called

646

00:29:10,950 --> 00:28:51,120

skeptic and the site where you can find

647

00:29:15,430 --> 00:29:12,630

hello good evening and welcome to the

648

00:29:17,350 --> 00:29:15,440

australian skeptics dinner meeting this

649

00:29:19,830 --> 00:29:17,360

evening my name is richard saunders i'm

650

00:29:22,230 --> 00:29:19,840

the president of the australian skeptics

651
00:29:23,750 --> 00:29:22,240
here in new south wales it's a great

652
00:29:25,909 --> 00:29:23,760
pleasure to see you all come along here

653
00:29:28,230 --> 00:29:25,919
tonight to hear katan joshi talking

654
00:29:30,389 --> 00:29:28,240
about wind farms

655
00:29:34,870 --> 00:29:30,399
and

656
00:29:38,149 --> 00:29:34,880
interesting year it's been my friends in

657
00:29:39,750 --> 00:29:38,159
the world of skepticism so far

658
00:29:41,750 --> 00:29:39,760
i know it's been an interesting year

659
00:29:44,149 --> 00:29:41,760
because i've got the the sort of the

660
00:29:46,710 --> 00:29:44,159
sneak peek the inside information about

661
00:29:48,470 --> 00:29:46,720
what's coming up this year thanks to our

662
00:29:50,950 --> 00:29:48,480
friends at the international psychics

663
00:29:57,110 --> 00:29:55,590

oh yes yes every uh every january or so

664

00:29:59,110 --> 00:29:57,120

they have a wonderful

665

00:30:01,350 --> 00:29:59,120

segment in their magazine

666

00:30:04,630 --> 00:30:01,360

tomorrow's news today top predictions

667

00:30:06,710 --> 00:30:04,640

for 2014. it's all here

668

00:30:08,950 --> 00:30:06,720

australia's best psychics telling you

669

00:30:10,789 --> 00:30:08,960

what's coming this year turning to the

670

00:30:14,870 --> 00:30:10,799

part where they mention the death of

671

00:30:19,830 --> 00:30:18,149

sorry i'll try another one

672

00:30:31,830 --> 00:30:19,840

the missing malaysian flight this is

673

00:30:40,149 --> 00:30:34,149

the annexation of the crimea big news

674

00:30:43,350 --> 00:30:41,830

well they did predict

675

00:30:44,789 --> 00:30:43,360

now given one thing they did predict

676

00:30:47,990 --> 00:30:44,799

earthquakes and today we had an

677

00:30:49,510 --> 00:30:48,000

earthquake in los angeles 5.1 i hear

678

00:30:52,789 --> 00:30:49,520

except they said it would be in

679

00:30:57,990 --> 00:30:54,470

just a little bit

680

00:31:00,149 --> 00:30:58,000

off in their magical predictions

681

00:31:01,510 --> 00:31:00,159

we can make light of this uh in fact we

682

00:31:03,990 --> 00:31:01,520

should

683

00:31:05,350 --> 00:31:04,000

i've been collecting these magazines now

684

00:31:08,070 --> 00:31:05,360

for

685

00:31:10,870 --> 00:31:08,080

six or seven years

686

00:31:13,269 --> 00:31:10,880

and i've i do something that uh

687

00:31:15,110 --> 00:31:13,279

certainly none of the news media do i go

688

00:31:17,909 --> 00:31:15,120

through each prediction at the end of

689

00:31:20,389 --> 00:31:17,919

the year and give it a fair go you know

690

00:31:22,549 --> 00:31:20,399

did it come true is it too vague what

691

00:31:23,990 --> 00:31:22,559

are we looking at here

692

00:31:26,710 --> 00:31:24,000

and the average

693

00:31:28,470 --> 00:31:26,720

averaging out of the last six years of

694

00:31:29,669 --> 00:31:28,480

predictions in the australian psychics

695

00:31:33,350 --> 00:31:29,679

directory

696

00:31:35,190 --> 00:31:33,360

their score is five percent

697

00:31:37,029 --> 00:31:35,200

five and that's being generous because

698

00:31:38,870 --> 00:31:37,039

some things are a bit vague and you can

699

00:31:41,509 --> 00:31:38,880

look at it one way or look at another i

700

00:31:43,830 --> 00:31:41,519

tried to to be generous

701
00:31:46,389 --> 00:31:43,840
basically the the rule of thumb is

702
00:31:48,710 --> 00:31:46,399
if what happens is usually not predicted

703
00:31:50,470 --> 00:31:48,720
and what is usually predicted

704
00:31:52,070 --> 00:31:50,480
doesn't happen

705
00:31:53,269 --> 00:31:52,080
that's that's the way it goes but you

706
00:31:54,870 --> 00:31:53,279
know

707
00:31:56,549 --> 00:31:54,880
it's a free society they're welcome to

708
00:31:58,149 --> 00:31:56,559
publish their magazine and

709
00:31:59,430 --> 00:31:58,159
put in their predictions in fact you can

710
00:32:00,630 --> 00:31:59,440
try it yourselves you can make

711
00:32:03,669 --> 00:32:00,640
predictions for the next three months

712
00:32:05,430 --> 00:32:03,679
and see how many come true

713
00:32:06,549 --> 00:32:05,440

maybe you would be

714

00:32:08,789 --> 00:32:06,559

more

715

00:32:11,430 --> 00:32:08,799

better advised to buy our magazine

716

00:32:13,190 --> 00:32:11,440

instead the scripting there we go if

717

00:32:16,149 --> 00:32:13,200

you're not a subscriber to the skeptic

718

00:32:17,430 --> 00:32:16,159

may i sincerely suggest and implore you

719

00:32:19,350 --> 00:32:17,440

to be one

720

00:32:21,029 --> 00:32:19,360

it's a great uh great journal it's this

721

00:32:23,590 --> 00:32:21,039

world's second oldest magazine it's been

722

00:32:26,789 --> 00:32:23,600

going for over 30 years

723

00:32:28,549 --> 00:32:26,799

huge 34. do i hear any advance on 34 the

724

00:32:29,750 --> 00:32:28,559

back of the room 34.

725

00:32:31,750 --> 00:32:29,760

thank you tim

726

00:32:33,269 --> 00:32:31,760

um there's another copy there there are

727

00:32:36,230 --> 00:32:33,279

some copies out on the table you can

728

00:32:37,909 --> 00:32:36,240

look at yes the the magazine please see

729

00:32:39,350 --> 00:32:37,919

tim manum who's running out the door

730

00:32:41,029 --> 00:32:39,360

over there right now

731

00:32:42,950 --> 00:32:41,039

if you're not a subscriber you can

732

00:32:44,389 --> 00:32:42,960

subscribe the price hasn't changed in

733

00:32:45,830 --> 00:32:44,399

years and years and years and years it's

734

00:32:48,389 --> 00:32:45,840

still forty four dollars delivered to

735

00:32:51,269 --> 00:32:48,399

your door or for half that amount twenty

736

00:32:53,110 --> 00:32:51,279

two dollars sent to your inbox uh via

737

00:32:55,430 --> 00:32:53,120

email which is a great way to subscribe

738

00:32:57,350 --> 00:32:55,440

to our magazine and it certainly does

739

00:32:58,149 --> 00:32:57,360

help the australian skeptics do what we

740

00:32:59,029 --> 00:32:58,159

do

741

00:33:01,669 --> 00:32:59,039

and i

742

00:33:04,149 --> 00:33:01,679

i'm sorry that our uh esteemed colleague

743

00:33:05,029 --> 00:33:04,159

dr rachel dunlop's not here tonight

744

00:33:06,470 --> 00:33:05,039

because

745

00:33:08,230 --> 00:33:06,480

for those of you who keep up with these

746

00:33:10,230 --> 00:33:08,240

matters the australian vaccination

747

00:33:14,070 --> 00:33:10,240

network or as they're called now the

748

00:33:17,269 --> 00:33:14,080

australian vaccination skeptics network

749

00:33:20,310 --> 00:33:18,789

thank you

750

00:33:22,070 --> 00:33:20,320

are in uh

751
00:33:23,509 --> 00:33:22,080
no end of trouble they've been hammered

752
00:33:24,950 --> 00:33:23,519
from all sides i mean we've been

753
00:33:26,549 --> 00:33:24,960
hammering as you know ladies and

754
00:33:28,950 --> 00:33:26,559
gentlemen we've been hammering them for

755
00:33:31,430 --> 00:33:28,960
years and years and years it's been a

756
00:33:32,470 --> 00:33:31,440
long and very hard battle but they're in

757
00:33:36,070 --> 00:33:32,480
tatters

758
00:33:38,310 --> 00:33:36,080
they're getting hammered by government

759
00:33:40,789 --> 00:33:38,320
departments by the media there was a

760
00:33:42,789 --> 00:33:40,799
story just the other day about the low

761
00:33:44,389 --> 00:33:42,799
rates of vaccination in certain parts of

762
00:33:45,909 --> 00:33:44,399
the country

763
00:33:47,269 --> 00:33:45,919

so that's that's a good thing and this

764

00:33:49,590 --> 00:33:47,279

is one of the things that Australian

765

00:33:51,509 --> 00:33:49,600

skeptics uh do

766

00:33:53,509 --> 00:33:51,519

when when you think well what what what

767

00:33:55,830 --> 00:33:53,519

do we do the Australian skeptics yes we

768

00:33:57,430 --> 00:33:55,840

have fun researching paranormal topics

769

00:33:59,669 --> 00:33:57,440

and ghosts and all that sort of stuff

770

00:34:01,669 --> 00:33:59,679

that that's good fun but I guess on the

771

00:34:04,310 --> 00:34:01,679

serious side we do have these

772

00:34:06,549 --> 00:34:04,320

anti-scientific people who are putting

773

00:34:09,349 --> 00:34:06,559

uh certainly lots of young lives at

774

00:34:10,950 --> 00:34:09,359

risks at risk especially those people

775

00:34:12,629 --> 00:34:10,960

who try to

776

00:34:15,430 --> 00:34:12,639

sell the population on the idea of

777

00:34:18,069 --> 00:34:15,440

something like homeopathic vaccination

778

00:34:20,149 --> 00:34:18,079

but don't go to the doctor to get your

779

00:34:22,069 --> 00:34:20,159

scientifically tested vaccination come

780

00:34:23,909 --> 00:34:22,079

to us we'll give you a vial of water or

781

00:34:25,990 --> 00:34:23,919

sugar pills and that will protect you

782

00:34:27,909 --> 00:34:26,000

from measles and polio or if you're

783

00:34:29,030 --> 00:34:27,919

going overseas dengue fever or something

784

00:34:30,550 --> 00:34:29,040

like that

785

00:34:33,270 --> 00:34:30,560

so believe me ladies and gentlemen

786

00:34:35,030 --> 00:34:33,280

behind the scenes we are continually

787

00:34:37,349 --> 00:34:35,040

working away

788

00:34:39,750 --> 00:34:37,359

on these various fronts

789

00:34:41,270 --> 00:34:39,760

and and occasionally we have we have

790

00:34:43,589 --> 00:34:41,280

strong victories and it does give us a

791

00:34:45,430 --> 00:34:43,599

good feeling i must say

792

00:34:47,349 --> 00:34:45,440

you can all have a good feeling by

793

00:34:50,149 --> 00:34:47,359

joining us later this year here in

794

00:34:52,149 --> 00:34:50,159

sydney at chatswood on november the 28th

795

00:34:53,589 --> 00:34:52,159

of november the 30th for our national

796

00:34:55,109 --> 00:34:53,599

convention this is going to be one of

797

00:34:58,069 --> 00:34:55,119

the biggest national conventions we've

798

00:35:00,230 --> 00:34:58,079

had for many years it's going to be sort

799

00:35:02,950 --> 00:35:00,240

of rivaling the amazing meeting we had

800

00:35:04,630 --> 00:35:02,960

here in sydney in 2010 we have the

801
00:35:06,870 --> 00:35:04,640
skeptic's guide to the universe the

802
00:35:09,190 --> 00:35:06,880
biggest skeptical podcast in the world

803
00:35:11,190 --> 00:35:09,200
coming out we have george rubb the

804
00:35:12,870 --> 00:35:11,200
singer skeptical entertainer which is

805
00:35:15,349 --> 00:35:12,880
great news

806
00:35:17,589 --> 00:35:15,359
uh dr rachel dunlop will be certainly be

807
00:35:18,710 --> 00:35:17,599
giving a talk probably about vaccination

808
00:35:20,870 --> 00:35:18,720
who knows

809
00:35:22,870 --> 00:35:20,880
dr karl kruzaniski will be appearing

810
00:35:25,030 --> 00:35:22,880
dick smith as one of us featured

811
00:35:26,230 --> 00:35:25,040
presenters peter fitzsimons will be

812
00:35:29,109 --> 00:35:26,240
there

813
00:35:31,510 --> 00:35:29,119

and many more names to be announced the

814

00:35:33,190 --> 00:35:31,520

best thing to do is see tim about more

815

00:35:35,349 --> 00:35:33,200

information about our upcoming

816

00:35:37,030 --> 00:35:35,359

convention or visit our website

817

00:35:40,550 --> 00:35:37,040

google australian skeptics visit the

818

00:35:43,670 --> 00:35:40,560

website i think it will be a splendid

819

00:35:46,870 --> 00:35:43,680

convention in november in chatswood in

820

00:35:48,550 --> 00:35:46,880

my uh in my enthusiasm i i did forget to

821

00:35:50,310 --> 00:35:48,560

mention that two things two important

822

00:35:52,710 --> 00:35:50,320

things the first thing is that somebody

823

00:35:54,390 --> 00:35:52,720

tonight will give their dinner for free

824

00:35:57,109 --> 00:35:54,400

some lucky punter one of your lucky

825

00:35:59,109 --> 00:35:57,119

people and somebody else will

826

00:36:01,990 --> 00:35:59,119

courtesy of the national geographic

827

00:36:04,470 --> 00:36:02,000

channel will receive a cosmos gift pack

828

00:36:06,550 --> 00:36:04,480

which includes this wonderfully strong

829

00:36:09,670 --> 00:36:06,560

sturdy carry bag

830

00:36:13,270 --> 00:36:09,680

and we delve inside

831

00:36:14,870 --> 00:36:13,280

the cosmos book by carl sagan

832

00:36:16,870 --> 00:36:14,880

and

833

00:36:18,230 --> 00:36:16,880

cosmos notepad so that's going out

834

00:36:19,430 --> 00:36:18,240

tonight courtesy of the national

835

00:36:20,550 --> 00:36:19,440

geographic channel that's what we're

836

00:36:21,910 --> 00:36:20,560

looking at at the moment on the big

837

00:36:25,030 --> 00:36:21,920

screen by the way

838

00:36:26,790 --> 00:36:25,040

the wonderful new series of cosmos so

839

00:36:29,829 --> 00:36:26,800

sit tight after the dinner we'll find

840

00:36:31,670 --> 00:36:29,839

out who wins the cosmos gift pack

841

00:36:33,670 --> 00:36:31,680

so that's all i have to say at the

842

00:36:35,589 --> 00:36:33,680

moment tim what's our dinner situation

843

00:36:38,390 --> 00:36:35,599

looking like it's almost there

844

00:36:39,910 --> 00:36:38,400

ten past seven we're hoping

845

00:36:42,150 --> 00:36:39,920

all right check your watch everyone

846

00:36:43,750 --> 00:36:42,160

check your watch

847

00:36:45,990 --> 00:36:43,760

so in about 10 minutes folks will be

848

00:36:48,710 --> 00:36:46,000

coming up and telling you which table

849

00:36:51,030 --> 00:36:48,720

can go up first to the dinner i'm over

850

00:36:52,150 --> 00:36:51,040

there for any bribes it's it's quite all

851
00:36:53,990 --> 00:36:52,160
right

852
00:37:04,950 --> 00:36:54,000
i chat amongst yourselves and thank you

853
00:37:12,550 --> 00:37:07,910
in a world where the truth is a matter

854
00:37:20,550 --> 00:37:15,349
where messages are received from beyond

855
00:37:26,310 --> 00:37:23,510
and reason is sidelined for magical

856
00:37:32,550 --> 00:37:29,510
only three men stand between the truth

857
00:37:35,510 --> 00:37:32,560
and a postmodernist abyss

858
00:37:36,790 --> 00:37:35,520
what date is it 7 8 7 8 this is

859
00:37:37,910 --> 00:37:36,800
impressive it's these harshest

860
00:37:40,790 --> 00:37:37,920
impressions they're not they're

861
00:37:42,470 --> 00:37:40,800
photographs of chinese lanterns

862
00:37:44,069 --> 00:37:42,480
we are not well researched yeah because

863
00:37:45,910 --> 00:37:44,079

good god we're full we don't discuss

864

00:37:48,630 --> 00:37:45,920

cryptozoology on the show very often

865

00:37:50,550 --> 00:37:48,640

because we don't know anything about it

866

00:37:52,150 --> 00:37:50,560

the price gets lower and lower and lower

867

00:37:55,829 --> 00:37:52,160

and then he hits the ceiling it's a

868

00:38:00,310 --> 00:37:57,349

skeptics with a k for the mercy side

869

00:38:04,310 --> 00:38:00,320

scaffolding society find us on itunes or

870

00:38:09,670 --> 00:38:07,109

welcome to a week in science from r.a oz

871

00:38:11,670 --> 00:38:09,680

bringing you the signs you need to know

872

00:38:13,829 --> 00:38:11,680

everyone knows that joker the one that

873

00:38:15,750 --> 00:38:13,839

can't resist an april fool's prank or

874

00:38:18,710 --> 00:38:15,760

loves winding people up with a fanciful

875

00:38:23,349 --> 00:38:18,720

story it's time to look at how and why

876

00:38:27,990 --> 00:38:25,910

so why do we lie believe it or not there

877

00:38:29,829 --> 00:38:28,000

is actually research that looks into why

878

00:38:31,910 --> 00:38:29,839

and how humans lie

879

00:38:34,390 --> 00:38:31,920

one possible explanation is that lying

880

00:38:36,150 --> 00:38:34,400

is tied with our self-esteem as soon as

881

00:38:37,589 --> 00:38:36,160

someone's self-esteem is threatened they

882

00:38:40,069 --> 00:38:37,599

begin to tell bigger and more

883

00:38:42,150 --> 00:38:40,079

complicated lies i once played in a band

884

00:38:43,990 --> 00:38:42,160

and we played at glastonbury why the

885

00:38:46,230 --> 00:38:44,000

other main reason humans lie is to

886

00:38:47,990 --> 00:38:46,240

protect ourselves or someone we know

887

00:38:50,710 --> 00:38:48,000

from something bad happening or to

888

00:38:53,990 --> 00:38:50,720

protect privacy eh no i don't know where

889

00:38:56,550 --> 00:38:54,000

karen is lie as humans we also deceive

890

00:38:58,710 --> 00:38:56,560

ourselves experiments show people lie

891

00:39:00,550 --> 00:38:58,720

without realising they only see their

892

00:39:02,950 --> 00:39:00,560

lies when they watch a recording of

893

00:39:07,510 --> 00:39:02,960

themselves not me though everything i've

894

00:39:12,710 --> 00:39:09,910

but do people always lie the same way

895

00:39:14,390 --> 00:39:12,720

well no people lie more online than they

896

00:39:16,870 --> 00:39:14,400

do face to face

897

00:39:19,109 --> 00:39:16,880

in an experiment people are found to lie

898

00:39:21,670 --> 00:39:19,119

more often in an email exchange than an

899

00:39:24,069 --> 00:39:21,680

online messenger conversation and both

900

00:39:27,109 --> 00:39:24,079

more than face to face

901
00:39:29,190 --> 00:39:27,119
and was about online dating yep we lie

902
00:39:31,910 --> 00:39:29,200
there too with women lying slightly more

903
00:39:34,150 --> 00:39:31,920
than men however men lie more than women

904
00:39:36,069 --> 00:39:34,160
in games with a small monetary reward

905
00:39:38,150 --> 00:39:36,079
but when the stakes are increased men

906
00:39:40,950 --> 00:39:38,160
and women lie the same amount and

907
00:39:43,270 --> 00:39:40,960
teenagers yep research shows they lie

908
00:39:45,430 --> 00:39:43,280
more than university students or adults

909
00:39:46,630 --> 00:39:45,440
or maybe they're just more honest about

910
00:39:49,109 --> 00:39:46,640
their lying

911
00:39:51,510 --> 00:39:49,119
and now four fast facts about spotting a

912
00:39:53,270 --> 00:39:51,520
liar

913
00:39:55,109 --> 00:39:53,280

one experiment has shown that different

914

00:39:57,589 --> 00:39:55,119

types of hand gestures may be the way to

915

00:39:59,670 --> 00:39:57,599

spot liars truth tellers use rhythmic

916

00:40:01,990 --> 00:39:59,680

gestures and lies speech prompting

917

00:40:03,589 --> 00:40:02,000

gestures one tactic that might trip up

918

00:40:05,270 --> 00:40:03,599

lies is by getting them to tell their

919

00:40:07,109 --> 00:40:05,280

story in reverse

920

00:40:09,270 --> 00:40:07,119

the brain effort required to invent a

921

00:40:12,069 --> 00:40:09,280

story in reverse is far higher than

922

00:40:14,470 --> 00:40:12,079

ford's a third way to tell a liar get

923

00:40:16,150 --> 00:40:14,480

them to draw a picture liars generally

924

00:40:18,790 --> 00:40:16,160

don't prepare for that so can find it

925

00:40:20,790 --> 00:40:18,800

tough to draw their story and finally

926

00:40:23,670 --> 00:40:20,800

the old myth about lies avoiding eye

927

00:40:26,230 --> 00:40:23,680

contact is not true in fact too much eye

928

00:40:28,550 --> 00:40:26,240

contact may be a giveaway as liar looks

929

00:40:30,870 --> 00:40:28,560

to see if you're believing their story

930

00:40:33,270 --> 00:40:30,880

that's it for this week in science for

931

00:40:39,190 --> 00:40:33,280

more information on honesty and lying go

932

00:40:43,190 --> 00:40:41,910

follow us on twitter at rios and like us

933

00:40:45,270 --> 00:40:43,200

on facebook

934

00:40:57,910 --> 00:40:45,280

i'm ben lewis and we'll catch you next

935

00:41:02,550 --> 00:41:00,309

is an award-winning weekly science show

936

00:41:04,150 --> 00:41:02,560

in french hosted by a bunch of crazy

937

00:41:06,630 --> 00:41:04,160

enthusiasts

938

00:41:08,870 --> 00:41:06,640

we are convinced that the greatest ideas

939

00:41:10,950 --> 00:41:08,880

in science are quite easy to grasp as

940

00:41:13,510 --> 00:41:10,960

long as they're presented with passion

941

00:41:15,990 --> 00:41:13,520

using a vocabulary common to all curious

942

00:41:17,270 --> 00:41:16,000

minds whatever their academic background

943

00:41:19,349 --> 00:41:17,280

if any

944

00:41:21,910 --> 00:41:19,359

you don't understand french yet oh it's

945

00:41:23,750 --> 00:41:21,920

never too late all our stories have a

946

00:41:25,670 --> 00:41:23,760

written transcript on the website and

947

00:41:27,670 --> 00:41:25,680

people from all around the world are

948

00:41:28,870 --> 00:41:27,680

using our content to learn molia's

949

00:41:31,510 --> 00:41:28,880

language

950

00:41:34,190 --> 00:41:31,520

our topics range from zero to infinity

951
00:41:35,990 --> 00:41:34,200
from evolution to artificial life from

952
00:41:37,270 --> 00:41:36,000
electromagnetism to the science of

953
00:41:39,750 --> 00:41:37,280
introverts

954
00:41:43,349 --> 00:41:39,760
we just love mathematics science

955
00:41:45,030 --> 00:41:43,359
critical thinking so do you want to join

956
00:41:47,990 --> 00:41:45,040
you can subscribe to the podcast for

957
00:41:50,550 --> 00:41:48,000
free from our website podcastscience.com

958
00:41:52,950 --> 00:41:50,560
that's in one word you also find us on

959
00:41:55,030 --> 00:41:52,960
itunes and soundcloud see you soon

960
00:42:13,910 --> 00:41:55,040
hopefully at

961
00:42:18,150 --> 00:42:15,910
from the australian competition and

962
00:42:21,270 --> 00:42:18,160
consumer commission

963
00:42:24,069 --> 00:42:21,280

scam watch here is the latest scam watch

964

00:42:26,790 --> 00:42:24,079

notification and i think this is valid

965

00:42:28,950 --> 00:42:26,800

for just about anywhere around the world

966

00:42:31,670 --> 00:42:28,960

march 2014

967

00:42:34,230 --> 00:42:31,680

scam watch and telstra the australian

968

00:42:36,550 --> 00:42:34,240

phone company are warning consumers to

969

00:42:38,710 --> 00:42:36,560

hang up the phone if they receive a call

970

00:42:41,030 --> 00:42:38,720

out of the blue from someone claiming

971

00:42:43,750 --> 00:42:41,040

there is a problem with their internet

972

00:42:46,630 --> 00:42:43,760

connection or computer recent months

973

00:42:48,550 --> 00:42:46,640

have seen a surge in reports of scammers

974

00:42:51,030 --> 00:42:48,560

calling people at home and raising a

975

00:42:52,950 --> 00:42:51,040

false alarm that they are at risk of

976
00:42:55,430 --> 00:42:52,960
their internet being disconnected

977
00:42:58,150 --> 00:42:55,440
immediately as their computer has been

978
00:42:59,910 --> 00:42:58,160
hacked or infected with malware or is

979
00:43:02,230 --> 00:42:59,920
threatening telstra's internet

980
00:43:04,150 --> 00:43:02,240
infrastructure the caller claims that

981
00:43:06,870 --> 00:43:04,160
they are able to fix the problem on the

982
00:43:09,430 --> 00:43:06,880
spot however a fee for this service will

983
00:43:11,510 --> 00:43:09,440
need to be paid and the person will also

984
00:43:13,910 --> 00:43:11,520
need to download software that will

985
00:43:17,030 --> 00:43:13,920
allow the caller remote access to their

986
00:43:20,309 --> 00:43:17,040
computer if the person resists or

987
00:43:22,710 --> 00:43:20,319
questions the scammer they up the ante

988
00:43:24,710 --> 00:43:22,720

scammers have reportedly threatened to

989

00:43:26,950 --> 00:43:24,720

sue people for putting telstra's

990

00:43:29,190 --> 00:43:26,960

infrastructure at risk when the person

991

00:43:32,069 --> 00:43:29,200

has requested proof that they are a

992

00:43:34,550 --> 00:43:32,079

telstra rep scammers have given out a

993

00:43:36,790 --> 00:43:34,560

fake number for telstra which when the

994

00:43:39,270 --> 00:43:36,800

consumer calls puts them back on the

995

00:43:41,349 --> 00:43:39,280

line with the scammer if you provide

996

00:43:43,430 --> 00:43:41,359

your credit card details and give them

997

00:43:45,750 --> 00:43:43,440

remote access to your computer the

998

00:43:47,510 --> 00:43:45,760

scammer may not only take more than the

999

00:43:49,589 --> 00:43:47,520

stated fee

1000

00:43:51,910 --> 00:43:49,599

but also infect your computer to gain

1001
00:43:54,710 --> 00:43:51,920
access to your personal information and

1002
00:43:57,109 --> 00:43:54,720
commit other acts of fraud scammers

1003
00:43:59,270 --> 00:43:57,119
often pose as well-known or reputable

1004
00:44:01,829 --> 00:43:59,280
businesses to try and convince you that

1005
00:44:03,349 --> 00:44:01,839
they're the real deal with telstra a

1006
00:44:05,829 --> 00:44:03,359
popular target

1007
00:44:08,870 --> 00:44:05,839
scammers pretending to be from telstra

1008
00:44:11,190 --> 00:44:08,880
have been known to switch consumers to

1009
00:44:14,069 --> 00:44:11,200
another service provider that the

1010
00:44:15,829 --> 00:44:14,079
consumer did not knowingly agree to

1011
00:44:18,710 --> 00:44:15,839
scammers don't just fish for your

1012
00:44:20,550 --> 00:44:18,720
details over the phone they also send

1013
00:44:22,630 --> 00:44:20,560

phishing emails

1014

00:44:25,109 --> 00:44:22,640

pretending to be from telstra or big

1015

00:44:26,870 --> 00:44:25,119

pond to try and get you to hand over

1016

00:44:30,309 --> 00:44:26,880

your account details

1017

00:44:33,910 --> 00:44:30,319

or to click on a link to open a document

1018

00:44:36,230 --> 00:44:33,920

infected with malware the yellow pages

1019

00:44:38,309 --> 00:44:36,240

directory scam has also targeted

1020

00:44:41,270 --> 00:44:38,319

australian small businesses with

1021

00:44:43,829 --> 00:44:41,280

scammers deceiving them to sign up to an

1022

00:44:46,230 --> 00:44:43,839

online business directory service that

1023

00:44:48,470 --> 00:44:46,240

falsely claims to be affiliated with

1024

00:44:49,670 --> 00:44:48,480

census and telstra

1025

00:44:52,150 --> 00:44:49,680

watch out

1026

00:44:54,230 --> 00:44:52,160

scammers know how to press your buttons

1027

00:44:55,750 --> 00:44:54,240

when they get you on the phone if you

1028

00:44:57,990 --> 00:44:55,760

receive a call out of the blue from

1029

00:45:00,470 --> 00:44:58,000

someone claiming to represent telstra

1030

00:45:03,910 --> 00:45:00,480

and they ask for access to your computer

1031

00:45:05,910 --> 00:45:03,920

just hang up this is how the scam works

1032

00:45:07,190 --> 00:45:05,920

you receive a phone call out of the blue

1033

00:45:09,510 --> 00:45:07,200

from someone claimed to be a

1034

00:45:11,670 --> 00:45:09,520

representative from telstra or telstra

1035

00:45:13,750 --> 00:45:11,680

bigpond they may sound like the real

1036

00:45:16,550 --> 00:45:13,760

deal claiming to be from telstra

1037

00:45:17,589 --> 00:45:16,560

technical support or using technical

1038

00:45:19,430 --> 00:45:17,599

jargon

1039

00:45:21,910 --> 00:45:19,440

the caller claims that you need to take

1040

00:45:23,910 --> 00:45:21,920

immediate action to avoid your internet

1041

00:45:26,309 --> 00:45:23,920

connection being terminated or

1042

00:45:28,950 --> 00:45:26,319

disconnected as your computer has been

1043

00:45:30,829 --> 00:45:28,960

hacked or infected with malware and is

1044

00:45:32,470 --> 00:45:30,839

threatening telstra's internet

1045

00:45:34,790 --> 00:45:32,480

infrastructure

1046

00:45:36,630 --> 00:45:34,800

in order to fix the problem the caller

1047

00:45:39,430 --> 00:45:36,640

will claim that you need to pay a

1048

00:45:41,270 --> 00:45:39,440

service fee typically around ten dollars

1049

00:45:42,390 --> 00:45:41,280

to have a specialist look at your

1050

00:45:44,069 --> 00:45:42,400

computer

1051

00:45:46,390 --> 00:45:44,079

they will also ask you to download a

1052

00:45:49,430 --> 00:45:46,400

software program so that they can gain

1053

00:45:50,710 --> 00:45:49,440

remote access to your computer and run a

1054

00:45:52,470 --> 00:45:50,720

scan

1055

00:45:54,950 --> 00:45:52,480

the scammer may initially sound

1056

00:45:56,870 --> 00:45:54,960

professional and knowledgeable however

1057

00:45:59,430 --> 00:45:56,880

they will be very persistent and may

1058

00:46:02,790 --> 00:45:59,440

become abusive if you don't do what they

1059

00:46:04,550 --> 00:46:02,800

ask they may even threaten to sue you

1060

00:46:06,870 --> 00:46:04,560

for putting telstra's internet

1061

00:46:09,829 --> 00:46:06,880

infrastructure at risk

1062

00:46:11,829 --> 00:46:09,839

if you provide your financial details or

1063

00:46:14,470 --> 00:46:11,839

give remote access

1064

00:46:16,230 --> 00:46:14,480

you might find a lot more money taken

1065

00:46:16,950 --> 00:46:16,240

out of your bank account than you agreed

1066

00:46:19,109 --> 00:46:16,960

to

1067

00:46:21,349 --> 00:46:19,119

with some victims reporting losing over

1068

00:46:24,470 --> 00:46:21,359

five thousand dollars from multiple

1069

00:46:27,109 --> 00:46:24,480

withdrawals your computer may also be

1070

00:46:30,309 --> 00:46:27,119

infected with malicious software giving

1071

00:46:31,990 --> 00:46:30,319

scammers access to your personal details

1072

00:46:34,870 --> 00:46:32,000

stored on the device

1073

00:46:36,870 --> 00:46:34,880

including bank account information

1074

00:46:39,910 --> 00:46:36,880

note you don't have to be a telstra

1075

00:46:42,390 --> 00:46:39,920

customer to be called by these scammers

1076
00:46:44,630 --> 00:46:42,400
you don't even have to own a computer

1077
00:46:47,270 --> 00:46:44,640
i would add a side note here to say most

1078
00:46:50,150 --> 00:46:47,280
calls i get are from someone claiming to

1079
00:46:51,270 --> 00:46:50,160
be from microsoft wanting to fix my

1080
00:46:52,950 --> 00:46:51,280
computer

1081
00:46:55,190 --> 00:46:52,960
protect yourself

1082
00:46:56,870 --> 00:46:55,200
if you receive a phone call out of the

1083
00:46:59,589 --> 00:46:56,880
blue from someone claiming to be a

1084
00:47:01,829 --> 00:46:59,599
representative of telstra and their call

1085
00:47:04,069 --> 00:47:01,839
relates to a problem with your internet

1086
00:47:05,670 --> 00:47:04,079
connection just hang up

1087
00:47:07,750 --> 00:47:05,680
if you have any doubts about the

1088
00:47:09,990 --> 00:47:07,760

identity of any caller who claims to

1089

00:47:12,550 --> 00:47:10,000

represent a business organization or

1090

00:47:13,750 --> 00:47:12,560

government department contact the body

1091

00:47:16,710 --> 00:47:13,760

directly

1092

00:47:17,910 --> 00:47:16,720

don't rely on contact details provided

1093

00:47:19,829 --> 00:47:17,920

by the person

1094

00:47:21,910 --> 00:47:19,839

find them through an independent source

1095

00:47:23,030 --> 00:47:21,920

such as the phone book or an online

1096

00:47:25,510 --> 00:47:23,040

search

1097

00:47:28,390 --> 00:47:25,520

remember that you can still receive scam

1098

00:47:30,309 --> 00:47:28,400

calls even if you have a private number

1099

00:47:32,390 --> 00:47:30,319

or have listed your phone number on the

1100

00:47:33,589 --> 00:47:32,400

australian government's do not call

1101

00:47:35,510 --> 00:47:33,599

register

1102

00:47:38,230 --> 00:47:35,520

scammers can obtain your number

1103

00:47:40,790 --> 00:47:38,240

fraudulently or from anywhere it has

1104

00:47:41,750 --> 00:47:40,800

been publicly listed such as the phone

1105

00:47:44,069 --> 00:47:41,760

book

1106

00:47:46,150 --> 00:47:44,079

don't let scammers press your buttons

1107

00:47:48,309 --> 00:47:46,160

scammers use detailed scripts to

1108

00:47:50,870 --> 00:47:48,319

convince you that they are the real deal

1109

00:47:53,750 --> 00:47:50,880

and create a high pressure situation to

1110

00:47:55,510 --> 00:47:53,760

make a decision on the spot

1111

00:47:57,990 --> 00:47:55,520

always keep your computer up to date

1112

00:48:00,710 --> 00:47:58,000

with anti-virus and anti-spyware

1113

00:48:02,870 --> 00:48:00,720

software and a good firewall

1114

00:48:05,990 --> 00:48:02,880

only buy a computer and antivirus

1115

00:48:08,710 --> 00:48:06,000

software from a reputable source

1116

00:48:11,270 --> 00:48:08,720

never give your personal credit card or

1117

00:48:14,309 --> 00:48:11,280

online account details over the phone

1118

00:48:17,190 --> 00:48:14,319

unless you made the call and the phone

1119

00:48:19,190 --> 00:48:17,200

number came from a trusted source

1120

00:48:21,910 --> 00:48:19,200

never give a stranger remote access to

1121

00:48:23,670 --> 00:48:21,920

computer even if they claim to be from a

1122

00:48:25,589 --> 00:48:23,680

reputable business

1123

00:48:27,750 --> 00:48:25,599

if you think your computer security has

1124

00:48:30,069 --> 00:48:27,760

been compromised use your security

1125

00:48:32,390 --> 00:48:30,079

software to run a virus check

1126

00:48:34,549 --> 00:48:32,400

if you still have doubts contact your

1127

00:48:36,549 --> 00:48:34,559

antivirus software provider

1128

00:48:38,470 --> 00:48:36,559

or a computer specialist

1129

00:48:40,790 --> 00:48:38,480

if you think you have provided your

1130

00:48:43,190 --> 00:48:40,800

account details to a scammer contact

1131

00:48:45,109 --> 00:48:43,200

your bank or financial institution

1132

00:48:47,670 --> 00:48:45,119

immediately

1133

00:48:51,109 --> 00:48:47,680

you can report scams to the a triple c

1134

00:48:52,549 --> 00:48:51,119

via the scam watch report a scam page or

1135

00:48:54,950 --> 00:48:52,559

by calling

1136

00:48:56,790 --> 00:48:54,960

one three zero zero

1137

00:48:58,950 --> 00:48:56,800

seven nine five

1138

00:49:01,510 --> 00:48:58,960

nine nine five this information comes

1139

00:49:05,109 --> 00:49:01,520

courtesy of the scam watch web page at

1140

00:49:05,119 --> 00:49:35,990

dot a u

1141

00:49:36,000 --> 00:49:52,230

tv

1142

00:49:56,069 --> 00:49:53,990

thank you for listening to the skeptic

1143

00:49:56,870 --> 00:49:56,079

zone and what a mixed bag it was this

1144

00:49:58,470 --> 00:49:56,880

week

1145

00:50:00,710 --> 00:49:58,480

all sorts of different things

1146

00:50:02,069 --> 00:50:00,720

cropping up in this week's episode of

1147

00:50:03,910 --> 00:50:02,079

the skeptic zone

1148

00:50:07,030 --> 00:50:03,920

thank you to those listeners who are

1149

00:50:09,109 --> 00:50:07,040

very uh kind and chip in

1150

00:50:10,230 --> 00:50:09,119

less than a dollar a week and if you uh

1151

00:50:12,710 --> 00:50:10,240

want to do that just visit

1152

00:50:14,069 --> 00:50:12,720

www.skeptics.com

1153

00:50:16,790 --> 00:50:14,079

and with paypal

1154

00:50:18,470 --> 00:50:16,800

you can start some micro payments

1155

00:50:20,549 --> 00:50:18,480

less than a dollar a week and it really

1156

00:50:21,990 --> 00:50:20,559

does help me keep the show

1157

00:50:23,750 --> 00:50:22,000

ticking over

1158

00:50:26,309 --> 00:50:23,760

i'm looking forward to the amazing

1159

00:50:28,470 --> 00:50:26,319

meeting of course later on in the year

1160

00:50:29,990 --> 00:50:28,480

in las vegas and i'll certainly be doing

1161

00:50:31,349 --> 00:50:30,000

my best running around with my

1162

00:50:34,309 --> 00:50:31,359

microphone to get

1163

00:50:36,630 --> 00:50:34,319

lots of amazing interviews and before i

1164

00:50:38,470 --> 00:50:36,640

go a big shout out to

1165

00:50:39,589 --> 00:50:38,480

joe alabaster

1166

00:50:40,950 --> 00:50:39,599

hi joe

1167

00:50:42,630 --> 00:50:40,960

who are you here from time to time on

1168

00:50:45,190 --> 00:50:42,640

the skeptic zone we seem to interview

1169

00:50:47,430 --> 00:50:45,200

her a bit every now and then joe has

1170

00:50:48,390 --> 00:50:47,440

been helping me greatly in the last week

1171

00:50:51,109 --> 00:50:48,400

or so

1172

00:50:53,109 --> 00:50:51,119

cataloging the entire run of the skeptic

1173

00:50:55,750 --> 00:50:53,119

zone with the contents of the sho each

1174

00:50:58,069 --> 00:50:55,760

show and who the major interview was

1175

00:51:00,790 --> 00:50:58,079

this is all going to be very useful um

1176

00:51:03,349 --> 00:51:00,800

for susan goebeck and her

1177

00:51:05,829 --> 00:51:03,359

programs there involving wikipedia

1178

00:51:07,190 --> 00:51:05,839

thanks joe really appreciate that but

1179

00:51:09,670 --> 00:51:07,200

for this week

1180

00:51:12,069 --> 00:51:09,680

this is richard saunders looking for his

1181

00:51:18,230 --> 00:51:12,079

rubber lifeboat

1182

00:51:21,430 --> 00:51:19,910

you've been listening to the skeptic

1183

00:51:26,230 --> 00:51:21,440

zone