

Episode **579**

THE
**SKEPTIC
ZONE**
PODCAST

www.skepticzone.tv

17 November 2019

The Skeptic Zone Podcast
Episode 579 - 17 November 2019

VACCINATE
AGAINST
FLU. PROTECT
YOUR BABY
TOO.



Anti-VAX in
Medical Centre

Skeptical Investigations
with Ian Bryce

Tim Mendham
Editor

The Hole in the Pole #2



The Skeptic Zone Podcast
Episode 579 - 17 November 2019



The Skeptic Zone Podcast
Episode 579 - 17 November 2019



1
00:00:11,860 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:13,930 --> 00:00:11,870
from Australia for science and reason

3
00:00:16,900 --> 00:00:13,940
[Music]

4
00:00:22,700 --> 00:00:16,910
[Applause]

5
00:00:25,200 --> 00:00:22,710
[Music]

6
00:00:28,620 --> 00:00:25,210
yes it's the skeptic zone podcast

7
00:00:32,460 --> 00:00:28,630
episode number 579 for the 17th of

8
00:00:34,400 --> 00:00:32,470
November 2019 which adds Saunders coming

9
00:00:36,960 --> 00:00:34,410
to you once again from Sydney Australia

10
00:00:39,540 --> 00:00:36,970
today on the skeptic zone a most

11
00:00:41,810 --> 00:00:39,550
remarkable story in a warning we're

12
00:00:45,560 --> 00:00:41,820
going to begin with the case of an

13
00:00:48,660 --> 00:00:45,570

anti-vaxxer conspiracy theorist who has

14

00:00:53,970 --> 00:00:48,670

gone into a medical clinic in Melbourne

15

00:00:56,729 --> 00:00:53,980

and had them remove probe vaccination

16

00:01:00,750 --> 00:00:56,739

posters from the wall sounds like some

17

00:01:02,580 --> 00:01:00,760

warped reality some bad dream it really

18

00:01:04,619 --> 00:01:02,590

did happen and the details are coming up

19

00:01:07,560 --> 00:01:04,629

at the top of the show and it certainly

20

00:01:10,889 --> 00:01:07,570

is a cautionary tale of warning and I

21

00:01:13,469 --> 00:01:10,899

think this story will continue to unfold

22

00:01:16,469 --> 00:01:13,479

in the coming weeks following that it's

23

00:01:18,240 --> 00:01:16,479

our old friend Ian Bryce the Challenge

24

00:01:21,090 --> 00:01:18,250

coordinator and investigator here at

25

00:01:22,770 --> 00:01:21,100

Australian sceptics recently the

26

00:01:25,469 --> 00:01:22,780

Australian skeptics have been putting

27

00:01:28,380 --> 00:01:25,479

together a series of video interviews

28

00:01:31,020 --> 00:01:28,390

with prominent skeptics including one of

29

00:01:32,850 --> 00:01:31,030

our founders Dick Smith they're all up

30

00:01:35,030 --> 00:01:32,860

on YouTube now linked in this week's

31

00:01:37,440 --> 00:01:35,040

show notes but I thought I'd play to you

32

00:01:40,260 --> 00:01:37,450

some of the interview with Ian Bryce as

33

00:01:42,960 --> 00:01:40,270

he recounts some of the investigations

34

00:01:45,899 --> 00:01:42,970

that he took part in in the early 80s

35

00:01:48,270 --> 00:01:45,909

good old-fashioned skepticism following

36

00:01:50,640 --> 00:01:48,280

that I told the audience at Sydney's

37

00:01:52,800 --> 00:01:50,650

skeptics in the pub about the upcoming

38

00:01:54,899 --> 00:01:52,810

bent spoon award which will be at

39

00:01:56,969 --> 00:01:54,909

skeptic on which will be announced at

40

00:02:00,120 --> 00:01:56,979

skeptic on in Melbourne we look at some

41

00:02:02,640 --> 00:02:00,130

of this year's nominations and one in

42

00:02:05,219 --> 00:02:02,650

particular a man who claims he can make

43

00:02:06,870 --> 00:02:05,229

it rain and I chat to tim Mendham the

44

00:02:09,419 --> 00:02:06,880

editor of the skeptic the journal of

45

00:02:12,420 --> 00:02:09,429

australian skeptics about what it's like

46

00:02:15,360 --> 00:02:12,430

to gather stories for the magazine and

47

00:02:19,259 --> 00:02:15,370

then you'll hear Tim read out part two

48

00:02:21,390 --> 00:02:19,269

of the continuing series the hole in the

49

00:02:23,130 --> 00:02:21,400

pole well that's enough for me at the

50

00:02:24,569 --> 00:02:23,140

moment more the cat has joined me here

51
00:02:28,500 --> 00:02:24,579
in the studio hey what are you looking

52
00:02:31,320 --> 00:02:28,510
at hey you looking for a bird out the

53
00:02:33,240 --> 00:02:31,330
window or something hmm I better take

54
00:02:33,690 --> 00:02:33,250
her downstairs and give us some dinner

55
00:02:36,449 --> 00:02:33,700
right

56
00:02:37,220 --> 00:02:36,459
well I do that I hope you enjoy the

57
00:02:59,490 --> 00:02:37,230
skeptical zone

58
00:03:02,710 --> 00:02:59,500
[Music]

59
00:03:05,830 --> 00:03:02,720
over the years one of the topics of the

60
00:03:09,630 --> 00:03:05,840
skeptical zone has continually had to face

61
00:03:13,500 --> 00:03:09,640
cover report on comment on investigate

62
00:03:16,690 --> 00:03:13,510
anti-vaxxers and of course they are

63
00:03:21,460 --> 00:03:16,700

intermingled with conspiracy theorists I

64

00:03:26,130 --> 00:03:21,470

think you almost need to be a conspiracy

65

00:03:31,650 --> 00:03:26,140

theorist to really be a a true diehard

66

00:03:35,110 --> 00:03:31,660

anti-vaxxer and once you become a

67

00:03:37,120 --> 00:03:35,120

staunch conspiracy theorist I guess it's

68

00:03:41,290 --> 00:03:37,130

like any strong belief you feel entitled

69

00:03:42,820 --> 00:03:41,300

to do things the case in point and the

70

00:03:44,770 --> 00:03:42,830

video that's come to the attention of

71

00:03:49,450 --> 00:03:44,780

the Australian skeptics in the last few

72

00:03:52,570 --> 00:03:49,460

days where an anti-vaxxer / conspiracy

73

00:03:56,260 --> 00:03:52,580

theorist walks into a medical centre

74

00:04:00,310 --> 00:03:56,270

here in Australia and demands they take

75

00:04:03,100 --> 00:04:00,320

posters off the wall these posters are

76

00:04:06,460 --> 00:04:03,110

for vaccinations flu vaccinations

77

00:04:09,400 --> 00:04:06,470

whooping cough and so on and I read from

78

00:04:14,790 --> 00:04:09,410

a story published in the Aged newspaper

79

00:04:18,420 --> 00:04:14,800

online dated the 14th of November a

80

00:04:21,400 --> 00:04:18,430

person posing as a therapeutics Goods

81

00:04:23,590 --> 00:04:21,410

administration official has walked into

82

00:04:26,560 --> 00:04:23,600

a Melbourne health clinic and demanded

83

00:04:29,110 --> 00:04:26,570

vaccinations posters be removed the

84

00:04:32,110 --> 00:04:29,120

Commonwealth agency says it is aware of

85

00:04:34,480 --> 00:04:32,120

the impersonation and warned anyone else

86

00:04:36,040 --> 00:04:34,490

thinking of trying the trick would be

87

00:04:39,310 --> 00:04:36,050

breaking the law

88

00:04:41,830 --> 00:04:39,320

quote impersonating Commonwealth public

89

00:04:43,630 --> 00:04:41,840

officials is a criminal offense

90

00:04:45,610 --> 00:04:43,640

unquote the therapeutics Goods

91

00:04:49,270 --> 00:04:45,620

Administration said in a statement on

92

00:04:51,190 --> 00:04:49,280

Thursday quote we advise individuals who

93

00:04:54,370 --> 00:04:51,200

may be encouraged to impersonate an

94

00:04:56,500 --> 00:04:54,380

officer of the TGA that this is a

95

00:04:57,800 --> 00:04:56,510

serious criminal offence that may lead

96

00:05:00,560 --> 00:04:57,810

to prosecution

97

00:05:03,159 --> 00:05:00,570

quote the health regulator said it

98

00:05:05,210 --> 00:05:03,169

broadly prohibits the advertising of

99

00:05:08,990 --> 00:05:05,220

prescription medicines including

100

00:05:11,840 --> 00:05:09,000

vaccines but it is not the case when the

101
00:05:15,230 --> 00:05:11,850
medication is authorized or required by

102
00:05:17,500 --> 00:05:15,240
a government authority quote posters

103
00:05:19,460 --> 00:05:17,510
relating to vaccines and vaccination

104
00:05:21,620 --> 00:05:19,470
sanctioned by the Australian Government

105
00:05:24,170 --> 00:05:21,630
Department of Health under the National

106
00:05:25,070 --> 00:05:24,180
immunisation program are permitted

107
00:05:27,740 --> 00:05:25,080
unquote

108
00:05:29,810 --> 00:05:27,750
it's said quote and as part of an

109
00:05:32,719 --> 00:05:29,820
important public health campaign this

110
00:05:35,180 --> 00:05:32,729
material is appropriate and legal and

111
00:05:37,879 --> 00:05:35,190
provides important health information to

112
00:05:39,980 --> 00:05:37,889
consumers if clinics and health

113
00:05:42,890 --> 00:05:39,990

professionals produce their own public

114

00:05:44,870 --> 00:05:42,900

information materials we advise focusing

115

00:05:46,159 --> 00:05:44,880

on services rather than specific

116

00:05:49,330 --> 00:05:46,169

products to avoid a breach of

117

00:05:53,690 --> 00:05:49,340

advertising requirements in quote a

118

00:05:56,030 --> 00:05:53,700

short story gets to the point that it is

119

00:05:59,719 --> 00:05:56,040

not illegal for these posters to be

120

00:06:04,190 --> 00:05:59,729

displayed in the health clinics now this

121

00:06:08,060 --> 00:06:04,200

is what this anti-vaxxer / conspiracy

122

00:06:13,580 --> 00:06:08,070

theorist did did play on when he walked

123

00:06:14,750 --> 00:06:13,590

into the clinic brandishing documents

124

00:06:18,050 --> 00:06:14,760

from the Therapeutic Goods

125

00:06:19,840 --> 00:06:18,060

Administration outlining the part of the

126

00:06:23,779 --> 00:06:19,850

legislation or the law where it says

127

00:06:27,469 --> 00:06:23,789

these clinics may not post material that

128

00:06:29,300 --> 00:06:27,479

is illegal well the problem is of course

129

00:06:33,010 --> 00:06:29,310

those posters were perfectly legal and

130

00:06:37,250 --> 00:06:33,020

this person was bluffing blustering and

131

00:06:40,909 --> 00:06:37,260

according to the newspaper here in their

132

00:06:43,760 --> 00:06:40,919

report impersonating a therapeutic goods

133

00:06:45,500 --> 00:06:43,770

administration official now how do we

134

00:06:47,690 --> 00:06:45,510

know all this how do we know all this

135

00:06:51,440 --> 00:06:47,700

because the person involved who I won't

136

00:06:57,760 --> 00:06:51,450

name at the moment filmed it all from

137

00:07:01,279 --> 00:06:57,770

his perspective using either a handheld

138

00:07:03,050 --> 00:07:01,289

smartphone facing away from him or maybe

139

00:07:03,920 --> 00:07:03,060

a camera pinned to his chest or

140

00:07:06,440 --> 00:07:03,930

something like that

141

00:07:09,620 --> 00:07:06,450

now did we've come by this film from

142

00:07:11,480 --> 00:07:09,630

some whistleblower or sneaky source or

143

00:07:14,840 --> 00:07:11,490

something like that no

144

00:07:17,240 --> 00:07:14,850

it was simply posted online and the name

145

00:07:19,879 --> 00:07:17,250

they've given the video melbourne

146

00:07:22,400 --> 00:07:19,889

doctors comply with TGA vaccine

147

00:07:25,159 --> 00:07:22,410

advertising guidelines which of course

148

00:07:27,589 --> 00:07:25,169

we have just learnt is not the case

149

00:07:30,290 --> 00:07:27,599

these are not the TGA vaccine

150

00:07:32,180 --> 00:07:30,300

advertising guidelines at all and the

151
00:07:34,850 --> 00:07:32,190
channel they are posted on is called we

152
00:07:39,140 --> 00:07:34,860
are change Melbourne and a quick look at

153
00:07:41,210 --> 00:07:39,150
some of the other videos posted on that

154
00:07:44,290 --> 00:07:41,220
particular YouTube channel

155
00:07:49,550 --> 00:07:44,300
certainly confirms that this is a

156
00:07:51,890 --> 00:07:49,560
conspiracy theory site and anti-vaxxer

157
00:07:54,890 --> 00:07:51,900
including videos such as vaccine injury

158
00:07:57,920 --> 00:07:54,900
awareness vigil and interviews another

159
00:08:00,589 --> 00:07:57,930
video called we are change talk-show man

160
00:08:03,430 --> 00:08:00,599
launches lawsuit against corrupt vaccine

161
00:08:07,249 --> 00:08:03,440
industry and I think you get the idea

162
00:08:09,260 --> 00:08:07,259
another concerning thing is we don't

163
00:08:11,120 --> 00:08:09,270

know whether the people being filmed in

164

00:08:12,649 --> 00:08:11,130

the video which includes receptionist's

165

00:08:16,969 --> 00:08:12,659

at the doctor's clinic and a doctor

166

00:08:19,249 --> 00:08:16,979

himself knew they were being filmed now

167

00:08:26,110 --> 00:08:19,259

for the sake of the story here is a very

168

00:08:31,570 --> 00:08:28,810

hi here you going look um my name is

169

00:08:33,459 --> 00:08:31,580

Jeff I'm here to inform you that this

170

00:08:36,550 --> 00:08:33,469

surgery is in breach of the TGA

171

00:08:39,339 --> 00:08:36,560

guidelines advertising vaccine posters

172

00:08:42,430 --> 00:08:39,349

is a violation of their rules and

173

00:08:43,990 --> 00:08:42,440

regulations so I'm required to basically

174

00:08:47,350 --> 00:08:44,000

come in here and inform you of that I

175

00:08:49,480 --> 00:08:47,360

brought in some documentation so you can

176

00:08:51,910 --> 00:08:49,490

get a further understanding but I

177

00:08:52,960 --> 00:08:51,920

required these posters to be taken down

178

00:08:55,600 --> 00:08:52,970

immediately

179

00:08:58,240 --> 00:08:55,610

it's absolutely gobsmacking now what's

180

00:09:03,310 --> 00:08:58,250

interesting is of course this person

181

00:09:06,820 --> 00:09:03,320

uses such conviction bluster and he

182

00:09:10,320 --> 00:09:06,830

speaks with such seeming authority that

183

00:09:15,250 --> 00:09:10,330

the video shows the clinic complying and

184

00:09:16,810 --> 00:09:15,260

taking down the vaccine posters but it's

185

00:09:20,350 --> 00:09:16,820

also very concerning as some of the

186

00:09:23,769 --> 00:09:20,360

comments appearing under the video on

187

00:09:25,660 --> 00:09:23,779

this youtube channel including this is

188

00:09:28,900 --> 00:09:25,670

the best you have won the internet for

189

00:09:31,090 --> 00:09:28,910

2019 another one excellent work thank

190

00:09:33,070 --> 00:09:31,100

you for this here's another one

191

00:09:35,650 --> 00:09:33,080

Bravo it is clear that there is much

192

00:09:37,410 --> 00:09:35,660

confusion about the whole scheme and it

193

00:09:40,870 --> 00:09:37,420

appears to me that the powers-that-be

194

00:09:45,480 --> 00:09:40,880

design it that way here's a concerning

195

00:09:48,400 --> 00:09:45,490

one who else in Sydney wants to do this

196

00:09:50,350 --> 00:09:48,410

another poor ignorant soul I have seen

197

00:09:53,170 --> 00:09:50,360

these in almost every doctor's office

198

00:09:56,620 --> 00:09:53,180

I've been to over the years so are they

199

00:09:59,290 --> 00:09:56,630

all in violation another one can you

200

00:10:01,210 --> 00:09:59,300

supply a link to the TGA section that

201
00:10:04,000 --> 00:10:01,220
would be easy to print out and take

202
00:10:06,280 --> 00:10:04,010
along another one what do I need to take

203
00:10:09,880 --> 00:10:06,290
with me do I have to be involved with

204
00:10:11,860 --> 00:10:09,890
the TGA or questionmark I want to go

205
00:10:14,740 --> 00:10:11,870
down to my clinic and do the same thing

206
00:10:17,380 --> 00:10:14,750
with their disgusting flu vaccine during

207
00:10:19,540 --> 00:10:17,390
pregnancy advertising so it is clear

208
00:10:25,090 --> 00:10:19,550
this video is encouraging people to do

209
00:10:26,769 --> 00:10:25,100
the same thing almost laughably pinned

210
00:10:29,710 --> 00:10:26,779
to the top of the comments from the

211
00:10:32,860 --> 00:10:29,720
channel itself in no way did I

212
00:10:35,620 --> 00:10:32,870
impersonate a TGA representative the raw

213
00:10:37,420 --> 00:10:35,630

footage proves this any statements

214

00:10:39,790 --> 00:10:37,430

alluding to the country of false and

215

00:10:41,230 --> 00:10:39,800

misleading we are changed Melbourne

216

00:10:44,079 --> 00:10:41,240

not recommend impersonating a

217

00:10:47,920 --> 00:10:44,089

Commonwealth official well we are change

218

00:10:49,960 --> 00:10:47,930

I think that disclaimer is a little late

219

00:10:51,610 --> 00:10:49,970

if you want to see the video for

220

00:10:54,070 --> 00:10:51,620

yourself I will link to it in this

221

00:10:55,960 --> 00:10:54,080

week's show notes and the word on the

222

00:10:58,360 --> 00:10:55,970

grapevine is this story is getting a lot

223

00:11:00,370 --> 00:10:58,370

of notice in the media and there should

224

00:11:04,660 --> 00:11:00,380

be more coming up I think in the next

225

00:11:08,410 --> 00:11:04,670

week about this and I think it would be

226

00:11:11,380 --> 00:11:08,420

prudent for a warning to go out to every

227

00:11:14,079 --> 00:11:11,390

doctor's surgery every clinic throughout

228

00:11:18,190 --> 00:11:14,089

Australia so when people come in like

229

00:11:21,370 --> 00:11:18,200

this blustering and appearing to

230

00:11:24,280 --> 00:11:21,380

represent the TGA they can be stopped

231

00:11:26,110 --> 00:11:24,290

dead in their tracks I'll keep you

232

00:11:28,780 --> 00:11:26,120

posted if there's any more developments

233

00:11:31,840 --> 00:11:28,790

on this story and if any agency within

234

00:11:36,570 --> 00:11:31,850

the government or elsewhere decides to

235

00:11:53,379 --> 00:11:36,580

take action against this individual

236

00:11:59,060 --> 00:11:56,690

yes doc hey Sam

237

00:12:01,280 --> 00:11:59,070

have you ever wondered what skeptics are

238

00:12:03,350 --> 00:12:01,290

up to in countries where English is not

239

00:12:04,730 --> 00:12:03,360

necessarily the first language or are

240

00:12:06,590 --> 00:12:04,740

you interested to learn about some

241

00:12:08,870 --> 00:12:06,600

fascinating and sometimes very bizarre

242

00:12:11,030 --> 00:12:08,880

Europe related facts events or people

243

00:12:12,470 --> 00:12:11,040

from history of skepticism or do you

244

00:12:14,810 --> 00:12:12,480

just want to know who's been really

245

00:12:17,900 --> 00:12:14,820

wrong lately you can find out all about

246

00:12:22,430 --> 00:12:17,910

that and more on the award-winning show

247

00:12:24,560 --> 00:12:22,440

the ESP the European skeptics podcast so

248

00:12:28,250 --> 00:12:24,570

where can people find the show you can

249

00:12:30,470 --> 00:12:28,260

find it online at the ESP dot EU but you

250

00:12:33,170 --> 00:12:30,480

can also follow us on Twitter at es

251
00:12:35,540 --> 00:12:33,180
podcast and d'ascoyne you or like us on

252
00:12:38,509 --> 00:12:35,550
Facebook oh and you can contact the show

253
00:12:40,790 --> 00:12:38,519
by sending an email to info at the ESP

254
00:12:42,949 --> 00:12:40,800
dot EU if you want to subscribe do a

255
00:12:46,189 --> 00:12:42,959
quick search for the European skeptics

256
00:12:48,920 --> 00:12:46,199
podcast on soundcloud iTunes stitcher or

257
00:12:52,759 --> 00:12:48,930
whatever you get to your podcast the

258
00:12:55,130 --> 00:12:52,769
European skeptics podcast the real ESP

259
00:13:00,150 --> 00:12:55,140
experience

260
00:13:22,290 --> 00:13:20,070
I don't know how you can be my friend

261
00:13:24,660 --> 00:13:22,300
and colleague Ian Brice a longtime

262
00:13:26,340 --> 00:13:24,670
member of the strain skeptics has been

263
00:13:28,610 --> 00:13:26,350

involved in many many many

264

00:13:32,310 --> 00:13:28,620

investigations for the organization

265

00:13:34,290 --> 00:13:32,320

spanning decades Ian took part in a

266

00:13:36,840 --> 00:13:34,300

series of video interviews about the

267

00:13:39,410 --> 00:13:36,850

history of Australian skeptics and here

268

00:13:46,580 --> 00:13:39,420

he is discussing some of the early

269

00:13:48,810 --> 00:13:46,590

investigations okay well one of the big

270

00:13:51,390 --> 00:13:48,820

investigations we did was the water

271

00:13:53,910 --> 00:13:51,400

powered car designed by Stephen Horvath

272

00:13:56,070 --> 00:13:53,920

in Queensland and promoted by the then

273

00:13:59,190 --> 00:13:56,080

premier Joh bjelke-petersen Tim some of

274

00:14:03,030 --> 00:13:59,200

you might remember and he was in the

275

00:14:06,090 --> 00:14:03,040

media pouring water from a jug into the

276

00:14:08,730 --> 00:14:06,100

petrol filler of his car and then going

277

00:14:12,210 --> 00:14:08,740

to drive away only to discover he didn't

278

00:14:15,390 --> 00:14:12,220

have the keys with him so so I did a big

279

00:14:17,910 --> 00:14:15,400

investigation of that he claimed to have

280

00:14:20,190 --> 00:14:17,920

patents on the subject which so I

281

00:14:22,020 --> 00:14:20,200

tracked down his patents and found out

282

00:14:24,830 --> 00:14:22,030

that the patents were not related to a

283

00:14:27,660 --> 00:14:24,840

car running on water surprise surprise

284

00:14:31,100 --> 00:14:27,670

published the patents well extracts

285

00:14:33,450 --> 00:14:31,110

therefrom in the skeptic magazine and

286

00:14:35,250 --> 00:14:33,460

described how a it couldn't work from a

287

00:14:38,430 --> 00:14:35,260

theoretical basis and B the patent was

288

00:14:41,160 --> 00:14:38,440

irrelevant and C no one had witnessed

289

00:14:44,220 --> 00:14:41,170

him driving this car verifying that it

290

00:14:48,090 --> 00:14:44,230

was on water so that was was a major

291

00:14:52,320 --> 00:14:48,100

investigation there was a psychic

292

00:14:55,470 --> 00:14:52,330

dentist who toured Australia from the

293

00:14:57,960 --> 00:14:55,480

USA and his claim that he would provide

294

00:15:02,300 --> 00:14:57,970

surgery on your teeth and he would turn

295

00:15:05,520 --> 00:15:02,310

your amalgam fillings into gold

296

00:15:08,100 --> 00:15:05,530

guaranteed so he's performed surgery in

297

00:15:10,890 --> 00:15:08,110

a lot of people in Melbourne and the

298

00:15:12,680 --> 00:15:10,900

skeptics protested against him and then

299

00:15:14,240 --> 00:15:12,690

finally

300

00:15:19,550 --> 00:15:14,250

it was discovered that he was telling

301

00:15:21,800 --> 00:15:19,560

the people when he was holding public

302

00:15:24,140 --> 00:15:21,810

days to get them to come and promote his

303

00:15:25,820 --> 00:15:24,150

idea that it would take two weeks for

304

00:15:28,040 --> 00:15:25,830

them to turn into gold wouldn't be

305

00:15:31,220 --> 00:15:28,050

instantaneous like he'd been suggesting

306

00:15:32,570 --> 00:15:31,230

before and of course within two weeks he

307

00:15:36,440 --> 00:15:32,580

done the surgery and was out of the

308

00:15:38,360 --> 00:15:36,450

country haha a very convenient another

309

00:15:40,520 --> 00:15:38,370

one was a psychic called Dennis hassel

310

00:15:43,190 --> 00:15:40,530

who said that he would appear on stage

311

00:15:48,200 --> 00:15:43,200

and would disappear in front of your

312

00:15:49,790 --> 00:15:48,210

very eyes so he was claiming that you

313

00:15:51,650 --> 00:15:49,800

could see right through him so the

314

00:15:53,120 --> 00:15:51,660

skeptics went along and watched it and

315

00:15:55,130 --> 00:15:53,130

found out that all he was doing was

316

00:15:56,780 --> 00:15:55,140

sleeping between two curtains from the

317

00:15:58,820 --> 00:15:56,790

light into the dark so he did indeed

318

00:16:02,540 --> 00:15:58,830

disappear so the skeptics wrote an

319

00:16:04,670 --> 00:16:02,550

article we saying we did concede that we

320

00:16:09,970 --> 00:16:04,680

couldn't see indeed see right through

321

00:16:11,780 --> 00:16:09,980

him so it was a touch of humor as well

322

00:16:14,450 --> 00:16:11,790

there was the Melbourne metropolitan

323

00:16:17,300 --> 00:16:14,460

Board of Works in the early days they

324

00:16:19,430 --> 00:16:17,310

hired a psychic from the USA at least

325

00:16:22,670 --> 00:16:19,440

she came from the USA of her own accord

326

00:16:24,770 --> 00:16:22,680

and then she proceeded to divine psychic

327

00:16:26,450 --> 00:16:24,780

buildings in other words she could find

328

00:16:30,110 --> 00:16:26,460

historical building sites around

329

00:16:31,760 --> 00:16:30,120

Melbourne with a divining rod so she'd

330

00:16:33,980 --> 00:16:31,770

be driven around there with officials

331

00:16:35,570 --> 00:16:33,990

from the government divining them by

332

00:16:37,550 --> 00:16:35,580

putting pegs in the ground saying here's

333

00:16:40,340 --> 00:16:37,560

where an ancient building was and here's

334

00:16:42,740 --> 00:16:40,350

a sketch of the building and they were

335

00:16:45,080 --> 00:16:42,750

paying her money for this rate payers

336

00:16:46,670 --> 00:16:45,090

money at the end of the day we had to

337

00:16:50,210 --> 00:16:46,680

look at her sketches and there all of

338

00:16:51,830 --> 00:16:50,220

American style buildings so so much for

339

00:16:56,750 --> 00:16:51,840

the colonial of Australian buildings

340

00:17:01,310 --> 00:16:56,760

that she was finding another physics

341

00:17:03,280 --> 00:17:01,320

event was a psychic called Byron Rigby

342

00:17:07,130 --> 00:17:03,290

who ran the Transcendental Meditation

343

00:17:09,590 --> 00:17:07,140

group all sorts of yoga he was also a

344

00:17:11,840 --> 00:17:09,600

mathematics professor somewhere and he

345

00:17:13,520 --> 00:17:11,850

was claiming that he could levitate had

346

00:17:15,679 --> 00:17:13,530

pictures to prove it if he and his

347

00:17:18,770 --> 00:17:15,689

students floating above a mattress in

348

00:17:23,540 --> 00:17:18,780

midair maybe two feet above the mattress

349

00:17:25,069 --> 00:17:23,550

and we were very skeptical of this so we

350

00:17:27,649 --> 00:17:25,079

investigated that

351

00:17:29,659 --> 00:17:27,659

and he was unable to produce any

352

00:17:31,430 --> 00:17:29,669

evidence whatsoever that he could live

353

00:17:33,470 --> 00:17:31,440

or tape some of his students said that

354

00:17:35,119 --> 00:17:33,480

okay if you sit cross-legged on a

355

00:17:37,430 --> 00:17:35,129

mattress you can actually bounce up and

356

00:17:38,960 --> 00:17:37,440

down a bit like on a trampoline and they

357

00:17:42,379 --> 00:17:38,970

taken photographs when he was at the

358

00:17:45,440 --> 00:17:42,389

apogee of his trajectories so it looked

359

00:17:47,090 --> 00:17:45,450

like like he was floating in air the

360

00:17:48,950 --> 00:17:47,100

creation Science Foundation from

361

00:17:51,700 --> 00:17:48,960

Queensland went around Australia holding

362

00:17:56,239 --> 00:17:51,710

conferences that promote creationism and

363

00:17:57,769 --> 00:17:56,249

they had found a guy who claimed to have

364

00:17:59,930 --> 00:17:57,779

scientific evidence that the speed of

365

00:18:02,570 --> 00:17:59,940

light was slowing down now why was this

366

00:18:04,700 --> 00:18:02,580

important because if the speed of light

367

00:18:08,629 --> 00:18:04,710

was faster in the past it would overcome

368

00:18:10,549 --> 00:18:08,639

the objection that light from distant

369

00:18:12,470 --> 00:18:10,559

galaxies takes billions of years to

370

00:18:14,629 --> 00:18:12,480

reach us so how could it be that the

371

00:18:18,529 --> 00:18:14,639

universe was only six thousand years old

372

00:18:19,970 --> 00:18:18,539

well his thesis showed his claim that

373

00:18:22,700 --> 00:18:19,980

the speed of light was much higher in

374

00:18:25,460 --> 00:18:22,710

the past so it could travel all that

375

00:18:28,009 --> 00:18:25,470

distance like a billion light years in

376

00:18:31,070 --> 00:18:28,019

only 6,000 years and the Bible could be

377

00:18:32,450 --> 00:18:31,080

true after all so I went to I gathered

378

00:18:34,129 --> 00:18:32,460

some data on his measurements he

379

00:18:36,229 --> 00:18:34,139

published a thing called a monograph

380

00:18:38,749 --> 00:18:36,239

which i think is a self-published

381

00:18:42,289 --> 00:18:38,759

scientific paper on that topic so I took

382

00:18:46,159 --> 00:18:42,299

his data and found out the source data

383

00:18:49,580 --> 00:18:46,169

and wrote a little paper showing that he

384

00:18:50,779 --> 00:18:49,590

had selected his data and the the

385

00:18:52,340 --> 00:18:50,789

evidence that the speed of light was

386

00:18:56,060 --> 00:18:52,350

slowing down was achieved simply by

387

00:18:58,039 --> 00:18:56,070

selecting the earlier measurements which

388

00:18:59,509 --> 00:18:58,049

were less accurate the higher ones in

389

00:19:00,799 --> 00:18:59,519

their range and the current ones low

390

00:19:02,840 --> 00:19:00,809

evidence in the range which showed it

391

00:19:06,049 --> 00:19:02,850

slowing down by one or two percent in

392

00:19:08,989 --> 00:19:06,059

the last hundred years so I went around

393

00:19:13,190 --> 00:19:08,999

went to the creation conference to

394

00:19:15,919 --> 00:19:13,200

heckle now I've taken several different

395

00:19:19,129 --> 00:19:15,929

lines of action against psychics and

396

00:19:20,749 --> 00:19:19,139

charlatans the the best thinking is that

397

00:19:24,289 --> 00:19:20,759

you go along and you observe in your

398

00:19:26,210 --> 00:19:24,299

report well that might be okay but it's

399

00:19:28,849 --> 00:19:26,220

not very satisfying on the day so you

400

00:19:30,560 --> 00:19:28,859

can ask questions at the end but if they

401

00:19:34,489 --> 00:19:30,570

find their skeptics in the audience in

402

00:19:37,369 --> 00:19:34,499

the question period vanishes altogether

403

00:19:38,300 --> 00:19:37,379

or becomes very short so the only option

404

00:19:40,340 --> 00:19:38,310

is to maybe

405

00:19:42,500 --> 00:19:40,350

stand outside and speak to people or

406

00:19:43,910 --> 00:19:42,510

sometimes you can heckle so I don't

407

00:19:46,580 --> 00:19:43,920

often do it but I have been known to

408

00:19:48,860 --> 00:19:46,590

heckle or to interject with a question

409

00:19:51,080 --> 00:19:48,870

when it's really needed and if that

410

00:19:54,110 --> 00:19:51,090

doesn't work and other ways to simply

411

00:19:55,490 --> 00:19:54,120

give a belly laugh which I find very

412

00:19:57,770 --> 00:19:55,500

effective as well

413

00:19:59,420 --> 00:19:57,780

so anyway Barry Satterfield was at the

414

00:20:00,710 --> 00:19:59,430

front of the conference reading out his

415

00:20:02,990 --> 00:20:00,720

paper that the speed of light had showed

416

00:20:06,050 --> 00:20:03,000

has slowed down and Genesis could be

417

00:20:08,150 --> 00:20:06,060

right and then the lights on the light

418

00:20:10,600 --> 00:20:08,160

bulb on his podium that he was reading

419

00:20:14,270 --> 00:20:10,610

on his lectern in reading his paper from

420

00:20:15,920 --> 00:20:14,280

went out so they handed around trying to

421

00:20:17,990 --> 00:20:15,930

find a torch for him to read his notes

422

00:20:21,590 --> 00:20:18,000

by so I yield that looks like the speed

423

00:20:23,720 --> 00:20:21,600

of light is slowing down as we speak so

424

00:20:27,170 --> 00:20:23,730

that's the sort of way one can perhaps

425

00:20:28,820 --> 00:20:27,180

get publicity your psychic surgery is

426

00:20:32,180 --> 00:20:28,830

something that was in we were involved

427

00:20:35,390 --> 00:20:32,190

in them in the 1980s as well as you know

428

00:20:37,760 --> 00:20:35,400

that's where a surgeon so-called surgeon

429

00:20:39,590 --> 00:20:37,770

probably from the Philippines pretends

430

00:20:41,810 --> 00:20:39,600

to do an operation on a person and

431

00:20:44,150 --> 00:20:41,820

pretends to remove some innards from

432

00:20:46,400 --> 00:20:44,160

them and declare them cured and zip up

433

00:20:50,060 --> 00:20:46,410

their stomach again so there's no

434

00:20:52,310 --> 00:20:50,070

evidence well as has been as Tim

435

00:20:55,790 --> 00:20:52,320

described we gave a demonstration of

436

00:20:58,940 --> 00:20:55,800

that at a convention in Sydney which

437

00:21:01,250 --> 00:20:58,950

showed how it could be done and then

438

00:21:02,000 --> 00:21:01,260

there's a magazine called Australian

439

00:21:03,380 --> 00:21:02,010

Playboy

440

00:21:05,120 --> 00:21:03,390

they said they'd like to do an article

441

00:21:09,350 --> 00:21:05,130

on it and did we have some photographs

442

00:21:14,720 --> 00:21:09,360

of psychic surgery being performed they

443

00:21:16,610 --> 00:21:14,730

weren't happy with sorry we didn't have

444

00:21:18,560 --> 00:21:16,620

our photograph they weren't happy with

445

00:21:21,110 --> 00:21:18,570

say that they said well could you wear a

446

00:21:24,500 --> 00:21:21,120

bit flexible here perhaps you can have

447

00:21:27,380 --> 00:21:24,510

some tomorrow you could create some so I

448

00:21:30,020 --> 00:21:27,390

was given the task of doing some fake

449

00:21:31,790 --> 00:21:30,030

psychic surgery by the skeptics to

450

00:21:33,260 --> 00:21:31,800

provide them with photographs which we

451
00:21:35,600 --> 00:21:33,270
were allegedly they were then published

452
00:21:39,050 --> 00:21:35,610
as the skeptics showing our psychic

453
00:21:42,740 --> 00:21:39,060
surgery can be done so I started to do

454
00:21:46,880 --> 00:21:42,750
some psychic surgery on on a Melbourne

455
00:21:49,190 --> 00:21:46,890
committee member Joe Rubenstein and he

456
00:21:52,010 --> 00:21:49,200
was a skinny as a rake he didn't so do

457
00:21:53,780 --> 00:21:52,020
you think I could get my creator

458
00:21:55,850 --> 00:21:53,790
appropriate fold of fat on his stomach

459
00:21:58,700 --> 00:21:55,860
to get my hands inside no way I couldn't

460
00:22:01,160 --> 00:21:58,710
do it so he decided Mark Plummer was

461
00:22:04,130 --> 00:22:01,170
better endowed with a layer of body fat

462
00:22:06,170 --> 00:22:04,140
and I did the surgery on him producing

463
00:22:08,090 --> 00:22:06,180

chicken guts from the incision and with

464

00:22:13,000 --> 00:22:08,100

appropriate guidance from magicians and

465

00:22:18,290 --> 00:22:13,010

so forth so that was carefully filmed by

466

00:22:21,140 --> 00:22:18,300

Australian Penthouse magazine and was

467

00:22:22,820 --> 00:22:21,150

published in the magazine but the

468

00:22:24,290 --> 00:22:22,830

problem is they forgot that it was done

469

00:22:26,420 --> 00:22:24,300

based on the skeptics and they said it

470

00:22:29,660 --> 00:22:26,430

was photographs of psychic surgery being

471

00:22:32,020 --> 00:22:29,670

performed in the Philippines so my hands

472

00:22:35,720 --> 00:22:32,030

I can say that I'm a hand model through

473

00:22:37,310 --> 00:22:35,730

for Australian Penthouse magazine and I

474

00:22:39,530 --> 00:22:37,320

was published there doing this psychic

475

00:22:41,600 --> 00:22:39,540

surgery but but not given credit for it

476

00:22:44,840 --> 00:22:41,610

because it the credit was given to the

477

00:22:46,400 --> 00:22:44,850

real psychic surgeons so-called so that

478

00:22:48,710 --> 00:22:46,410

was just let's just get that right

479

00:22:49,910 --> 00:22:48,720

whether it was penthouse or Playboy cuz

480

00:22:57,530 --> 00:22:49,920

at the beginner student Australian

481

00:22:59,390 --> 00:22:57,540

penthouse was you can see that interview

482

00:23:01,850 --> 00:22:59,400

for yourself by following the link on

483

00:23:05,060 --> 00:23:01,860

this week's show notes plus interviews

484

00:23:07,160 --> 00:23:05,070

with barry williams peter hogan to

485

00:23:10,100 --> 00:23:07,170

Mendham and one of the founders of

486

00:23:21,140 --> 00:23:10,110

australian sceptics dick smith

487

00:23:26,040 --> 00:23:24,330

on the 10th of November 2009 in the

488

00:23:28,500 --> 00:23:26,050

basement function room of a classical

489

00:23:30,480 --> 00:23:28,510

pop underage student with overgrown

490

00:23:32,760 --> 00:23:30,490

ginger hair by the name of Ian Scott

491

00:23:34,740 --> 00:23:32,770

hosted the first ever Glasgow skeptics

492

00:23:36,930 --> 00:23:34,750

event the speaker that night was the

493

00:23:39,900 --> 00:23:36,940

founding member of Edinburgh skeptics

494

00:23:42,150 --> 00:23:39,910

ash price the event was well attended an

495

00:23:45,000 --> 00:23:42,160

enthusiasm grew for this plucky new

496

00:23:46,170 --> 00:23:45,010

organisation under Ian's stewardship

497

00:23:48,210 --> 00:23:46,180

they went from strength to strength

498

00:23:50,430 --> 00:23:48,220

hosting talks from luminaries and

499

00:23:53,100 --> 00:23:50,440

science and free thinking such as Aaron

500

00:23:54,870 --> 00:23:53,110

Rock Russ French Simon Singh susan

501
00:23:56,190 --> 00:23:54,880
gerbic John Curtis Rebecca Watson

502
00:23:58,410 --> 00:23:56,200
Eugenie Scott

503
00:24:01,620 --> 00:23:58,420
and as a special five-year anniversary

504
00:24:03,750 --> 00:24:01,630
event nate phelps if you're unfamiliar

505
00:24:05,910 --> 00:24:03,760
with neat he was the atheist son of

506
00:24:08,250 --> 00:24:05,920
fundamentalist hate preacher fred phelps

507
00:24:09,720 --> 00:24:08,260
needs father had died not long before

508
00:24:11,760 --> 00:24:09,730
that appearance at Strathclyde

509
00:24:14,990 --> 00:24:11,770
University and his talk was an

510
00:24:17,130 --> 00:24:15,000
unforgettable one for everyone near in

511
00:24:19,050 --> 00:24:17,140
2016 just before the Scottish

512
00:24:20,610 --> 00:24:19,060
independence referendum the group

513
00:24:22,920 --> 00:24:20,620

organized one of the largest public

514

00:24:25,260 --> 00:24:22,930

debates in Scotland they had to turn

515

00:24:27,120 --> 00:24:25,270

people away from the 400 plus capacity

516

00:24:30,180 --> 00:24:27,130

Mitchell library theater they tired for

517

00:24:32,400 --> 00:24:30,190

the event Ian left shortly after less to

518

00:24:33,540 --> 00:24:32,410

walk for humanists Yuki and the group is

519

00:24:36,630 --> 00:24:33,550

now managed by me

520

00:24:38,910 --> 00:24:36,640

Brian Eagle since taking over we made a

521

00:24:41,040 --> 00:24:38,920

bold and somewhat naive decision to

522

00:24:42,990 --> 00:24:41,050

increase the frequency of the events so

523

00:24:44,520 --> 00:24:43,000

know if you're ever in Glasgow on a

524

00:24:46,950 --> 00:24:44,530

Monday night and have nothing to do

525

00:24:49,200 --> 00:24:46,960

please check her Glasgow skeltox

526
00:24:52,140 --> 00:24:49,210
as we will have some form of science and

527
00:24:54,900 --> 00:24:52,150
skepticism on the menu for you to

528
00:24:58,290 --> 00:24:54,910
celebrate our 10th anniversary and event

529
00:25:00,660 --> 00:24:58,300
number 276 we welcome back ash praised

530
00:25:02,310 --> 00:25:00,670
for his critically acclaimed paranormal

531
00:25:04,620 --> 00:25:02,320
illusionist show

532
00:25:06,810 --> 00:25:04,630
to continue the celebrations will be

533
00:25:09,870 --> 00:25:06,820
hosting atheist luminary Matt Dillahunty

534
00:25:12,570 --> 00:25:09,880
for his magic and skepticism talk back

535
00:25:15,360 --> 00:25:12,580
at Strathclyde University on Monday the

536
00:25:18,060 --> 00:25:15,370
16th of December free tickets are

537
00:25:20,160 --> 00:25:18,070
available from Glasgow sceptics calm as

538
00:25:23,880 --> 00:25:20,170

we move into next year we're going to

539

00:25:26,340 --> 00:25:23,890

pass another milestone 300 events so

540

00:25:28,320 --> 00:25:26,350

please raise a glass to Glasgow sceptics

541

00:25:30,720 --> 00:25:28,330

and remember to support your local

542

00:25:55,050 --> 00:25:30,730

skeptics grip or start one up if you

543

00:25:57,510 --> 00:25:55,060

don't have one I need two microphones

544

00:25:59,490 --> 00:25:57,520

folks hello my name is Richard Saunders

545

00:26:01,140 --> 00:25:59,500

I'm a past president life member of the

546

00:26:03,270 --> 00:26:01,150

Australian skeptics Inc here in New

547

00:26:04,890 --> 00:26:03,280

South Wales I've just come back from a

548

00:26:06,150 --> 00:26:04,900

few days in Melbourne to chat to the

549

00:26:09,330 --> 00:26:06,160

people down there who are organizing

550

00:26:11,670 --> 00:26:09,340

skeptic on 2019 it's going to be at the

551
00:26:13,920 --> 00:26:11,680
University of Melbourne from the 6th to

552
00:26:15,600 --> 00:26:13,930
the 8th of December and it's lining up

553
00:26:17,580 --> 00:26:15,610
to be a really interesting and

554
00:26:20,520 --> 00:26:17,590
fascinating convention which I hope they

555
00:26:22,320 --> 00:26:20,530
always are the people down there are

556
00:26:23,970 --> 00:26:22,330
putting in a lot of work but one of the

557
00:26:25,770 --> 00:26:23,980
highlights of every year for the

558
00:26:29,310 --> 00:26:25,780
Australian skeptics is the awarding of

559
00:26:31,230 --> 00:26:29,320
the bent spoon prize for the most

560
00:26:32,760 --> 00:26:31,240
preposterous piece of paranormal or

561
00:26:35,310 --> 00:26:32,770
pseudo scientific piffle

562
00:26:37,470 --> 00:26:35,320
in the previous years I thought I might

563
00:26:40,500 --> 00:26:37,480

like to tell you that this year amongst

564

00:26:47,250 --> 00:26:40,510

the nominations we have SBS television

565

00:26:49,470 --> 00:26:47,260

for medicine or myth okay you don't have

566

00:26:51,870 --> 00:26:49,480

to do everybody it's alright we've got

567

00:26:54,060 --> 00:26:51,880

good price pharmacy pharmacies often

568

00:26:57,570 --> 00:26:54,070

come up for selling things like

569

00:27:00,390 --> 00:26:57,580

homeopathy and whatnot we've got one of

570

00:27:03,750 --> 00:27:00,400

my favourite ones coming up is Peter

571

00:27:06,630 --> 00:27:03,760

the Rainmaker Stephens I'll get to that

572

00:27:10,050 --> 00:27:06,640

in a second ABC landline the University

573

00:27:13,110 --> 00:27:10,060

of Technology Sydney SBS again for

574

00:27:15,340 --> 00:27:13,120

another program even four corners all

575

00:27:20,110 --> 00:27:15,350

these supermarkets

576

00:27:21,880 --> 00:27:20,120

ah that's what I said ah I mean I go

577

00:27:26,110 --> 00:27:21,890

there twice a week I line up for the

578

00:27:29,470 --> 00:27:26,120

specials which I see on my Aldi TV every

579

00:27:34,420 --> 00:27:29,480

week by meeting my Aldi dinner they were

580

00:27:36,370 --> 00:27:34,430

selling ear candles ear candles and for

581

00:27:38,940 --> 00:27:36,380

those who don't know these are candles

582

00:27:42,520 --> 00:27:38,950

you stick into your ear

583

00:27:44,230 --> 00:27:42,530

true enough and also the Prime Minister

584

00:27:46,510 --> 00:27:44,240

has got a bent spoon nomination this

585

00:27:49,300 --> 00:27:46,520

year but I must say normally every year

586

00:27:51,580 --> 00:27:49,310

the Australian skeptics themselves we

587

00:27:53,650 --> 00:27:51,590

get a nomination for the bed spoon but I

588

00:27:55,620 --> 00:27:53,660

thought I might quickly like to tell you

589

00:27:59,290 --> 00:27:55,630

about the one that I find very

590

00:28:01,230 --> 00:27:59,300

interesting nominee Peter the rainmakers

591

00:28:04,360 --> 00:28:01,240

Stephens Peter Stephens has been

592

00:28:06,940 --> 00:28:04,370

promoting his atmospheric ionization

593

00:28:10,210 --> 00:28:06,950

research machine throughout Australia

594

00:28:12,850 --> 00:28:10,220

this is a 2 metre diameter portable

595

00:28:15,460 --> 00:28:12,860

device thank heavens for that that uses

596

00:28:18,580 --> 00:28:15,470

focused mirrors infrared energy and

597

00:28:20,230 --> 00:28:18,590

magnets just in case one didn't work

598

00:28:22,990 --> 00:28:20,240

they've got all sorts of things to

599

00:28:25,260 --> 00:28:23,000

create an intense warm section of air

600

00:28:29,230 --> 00:28:25,270

that changes particles in the atmosphere

601
00:28:31,180 --> 00:28:29,240
causing clouds to form and rain it is

602
00:28:34,300 --> 00:28:31,190
alleged that when this device is turned

603
00:28:35,370 --> 00:28:34,310
on it will create rain with 100%

604
00:28:38,470 --> 00:28:35,380
accuracy

605
00:28:41,119 --> 00:28:38,480
[Music]

606
00:28:45,019 --> 00:28:41,129
why hasn't he been using it lately as

607
00:28:47,269 --> 00:28:45,029
the cria here Stevens has been

608
00:28:49,369 --> 00:28:47,279
encouraging encouraging people to use

609
00:28:51,590 --> 00:28:49,379
his device in rural areas of Australia

610
00:28:55,850 --> 00:28:51,600
that may be subject to drought to help

611
00:28:58,460 --> 00:28:55,860
bring rain to parched lands well despite

612
00:29:00,499 --> 00:28:58,470
this device never having undergone any

613
00:29:03,409 --> 00:29:00,509

kind of rigorous scientific testing and

614

00:29:06,230 --> 00:29:03,419

has been dismissed as implausible by the

615

00:29:08,269 --> 00:29:06,240

Bureau of Meteorology and somebody

616

00:29:10,940 --> 00:29:08,279

earlier on asked me said well why isn't

617

00:29:14,330 --> 00:29:10,950

it being used well it doesn't work it's

618

00:29:16,100 --> 00:29:14,340

probably anyway if you're coming to the

619

00:29:17,810 --> 00:29:16,110

convention you can hear the announcement

620

00:29:20,480 --> 00:29:17,820

of the bent spoon and other awards there

621

00:29:22,340 --> 00:29:20,490

in person or it'll be broadcast just

622

00:29:24,110 --> 00:29:22,350

after but the bench spoon is something

623

00:29:26,600 --> 00:29:24,120

we've been doing ever since the skeptics

624

00:29:29,600 --> 00:29:26,610

have been going I think Tim for nearly

625

00:29:31,580 --> 00:29:29,610

40 years and if you have someone or

626
00:29:33,139 --> 00:29:31,590
something or an organization you would

627
00:29:35,869 --> 00:29:33,149
like to nominate for the bench spoon

628
00:29:37,369 --> 00:29:35,879
award you can do that by contacting us

629
00:29:40,149 --> 00:29:37,379
having a chat to us or doing it through

630
00:29:44,240 --> 00:29:40,159
the website so too late for next year

631
00:29:46,519 --> 00:29:44,250
for next year but we'll always look

632
00:29:47,400 --> 00:29:46,529
forward to the bench spoon prize thank

633
00:29:53,940 --> 00:29:47,410
you very much

634
00:29:53,950 --> 00:30:19,730
[Music]

635
00:30:25,710 --> 00:30:24,150
olace less habla Paola the de l'air

636
00:30:28,770 --> 00:30:25,720
Moses with other Buenos Aires in

637
00:30:30,570 --> 00:30:28,780
Argentina when the couch ammos podcasts

638
00:30:33,900 --> 00:30:30,580

cochamo lo mismo que Kucha todo el mundo

639

00:30:36,330 --> 00:30:33,910

como the skeptic zone ojala pueden venir

640

00:30:38,220 --> 00:30:36,340

a visit honest algun dia las esperamos

641

00:30:45,750 --> 00:30:38,230

con nuestra Ricky SEMA comida locales

642

00:30:47,640 --> 00:30:45,760

yeah podemos hablar un tango mientras

643

00:30:49,740 --> 00:30:47,650

tanto sugandha fruit and OD pseudo see

644

00:31:00,120 --> 00:30:49,750

same analogy NCI pensamiento rational

645

00:31:10,690 --> 00:31:08,520

[Music]

646

00:31:12,820 --> 00:31:10,700

now you've been enjoying and I've been

647

00:31:15,700 --> 00:31:12,830

enjoying Tim Mendham on the sceptic zone

648

00:31:17,440 --> 00:31:15,710

with his freedom of speech article the

649

00:31:19,420 --> 00:31:17,450

one about the geeks in the nerds and

650

00:31:21,640 --> 00:31:19,430

last week he would have heard part one

651
00:31:23,410 --> 00:31:21,650
of hole in the pole and this week we're

652
00:31:25,480 --> 00:31:23,420
gonna be hearing about part two how do

653
00:31:28,030 --> 00:31:25,490
you get these stories Tim oh I make them

654
00:31:29,980 --> 00:31:28,040
up you make them up that makes sense

655
00:31:32,860 --> 00:31:29,990
I'm a journalist that's that's my

656
00:31:36,970 --> 00:31:32,870
training so basically research talking

657
00:31:38,370 --> 00:31:36,980
to people you going online talking it on

658
00:31:40,270 --> 00:31:38,380
the phone interviewing people whatever

659
00:31:42,100 --> 00:31:40,280
gathering information and of course

660
00:31:44,970 --> 00:31:42,110
generally being inspired by your work

661
00:31:46,990 --> 00:31:44,980
retention which is always inspirational

662
00:31:50,380 --> 00:31:47,000
folks you would not understand on a

663
00:31:52,150 --> 00:31:50,390

prick it really is but no it's fun

664

00:31:53,830 --> 00:31:52,160

actually doing research I enjoy doing

665

00:31:56,620 --> 00:31:53,840

research and that sort of thing here and

666

00:31:58,270 --> 00:31:56,630

just the curiosity sake folks Tim did

667

00:32:00,640 --> 00:31:58,280

come around to the skeptics own Studios

668

00:32:03,850 --> 00:32:00,650

sat down and we had the nice microphone

669

00:32:05,560 --> 00:32:03,860

and actually was a good session despite

670

00:32:07,990 --> 00:32:05,570

the odd plane flying over and the cats

671

00:32:10,210 --> 00:32:08,000

meowing and your tummy rumbling and all

672

00:32:12,340 --> 00:32:10,220

sudden it was the glamorous studios

673

00:32:14,110 --> 00:32:12,350

wasn't a very glamorous to do a really

674

00:32:16,360 --> 00:32:14,120

high-tech and very impressive actually

675

00:32:18,430 --> 00:32:16,370

hot and cold running star for every way

676

00:32:19,960 --> 00:32:18,440

so yeah so it's actually I was very

677

00:32:21,580 --> 00:32:19,970

impressed with it with a multi-million

678

00:32:22,990 --> 00:32:21,590

dollar operation I shouldn't say that

679

00:32:27,040 --> 00:32:23,000

because you're still after a rat patron

680

00:32:29,080 --> 00:32:27,050

I am i it's all a lie we did it in my in

681

00:32:30,610 --> 00:32:29,090

my lounge room I think yeah the smell of

682

00:32:33,810 --> 00:32:30,620

an oily rag and the smell Oh gnarly

683

00:32:36,490 --> 00:32:33,820

wreck but no and I'll tell you that we

684

00:32:38,590 --> 00:32:36,500

we get correspondence of this skeptic so

685

00:32:41,650 --> 00:32:38,600

not an avalanche but I think it

686

00:32:44,140 --> 00:32:41,660

beginning people writing in there to

687

00:32:45,970 --> 00:32:44,150

compliment you on your stories people

688

00:32:47,920 --> 00:32:45,980

find them quite interesting quite the

689

00:32:49,380 --> 00:32:47,930

fighting words the one about freedom of

690

00:32:53,700 --> 00:32:49,390

speech people found interesting

691

00:32:55,080 --> 00:32:53,710

I've got a very large family well that's

692

00:32:56,970 --> 00:32:55,090

nice to hear actually it's always nice

693

00:32:58,110 --> 00:32:56,980

to get feedback I mean normally the sort

694

00:33:00,299 --> 00:32:58,120

of feedback you get is with those people

695

00:33:02,070 --> 00:33:00,309

who don't like you yeah yes very very

696

00:33:02,850 --> 00:33:02,080

badly tell you and those who do say oh

697

00:33:05,160 --> 00:33:02,860

yeah fair enough

698

00:33:06,480 --> 00:33:05,170

so and I've known this as a safe I've

699

00:33:08,430 --> 00:33:06,490

been a journalist for more years than I

700

00:33:11,280 --> 00:33:08,440

care to admit to and editor of

701

00:33:14,190 --> 00:33:11,290

publications and I know that you're

702

00:33:16,200 --> 00:33:14,200

getting feedback from listeners or

703

00:33:18,810 --> 00:33:16,210

readers or whatever is really really

704

00:33:20,340 --> 00:33:18,820

valuable for even if it's critical

705

00:33:22,650 --> 00:33:20,350

especially if it's critical actually

706

00:33:25,680 --> 00:33:22,660

that you learn to sort of adjust your

707

00:33:27,000 --> 00:33:25,690

what you're doing your product to not

708

00:33:28,860 --> 00:33:27,010

necessarily match everything they say

709

00:33:31,169 --> 00:33:28,870

but at least to take it on board yeah

710

00:33:33,360 --> 00:33:31,179

and so I've always welcomed in the

711

00:33:35,490 --> 00:33:33,370

magazine which I eat it I'm sure you do

712

00:33:37,799 --> 00:33:35,500

too of the podcast always welcome input

713

00:33:42,419 --> 00:33:37,809

all the time well good good point in

714

00:33:44,310 --> 00:33:42,429

fact listen is if you fancy yourself to

715

00:33:47,760 --> 00:33:44,320

be a bit of a rider on sceptical issues

716

00:33:49,230 --> 00:33:47,770

you're always would welcome people to

717

00:33:51,180 --> 00:33:49,240

write in and say how about this for an

718

00:33:53,299 --> 00:33:51,190

idea or here's a story you might like

719

00:33:56,210 --> 00:33:53,309

yeah I mean all the time I mean sort of

720

00:33:58,140 --> 00:33:56,220

contributors with gold to editors

721

00:34:00,110 --> 00:33:58,150

especially contributors who don't ask

722

00:34:02,340 --> 00:34:00,120

for any money I know I know

723

00:34:06,180 --> 00:34:02,350

we always pay our writers in round

724

00:34:07,770 --> 00:34:06,190

figures but no it's always I mean the

725

00:34:11,790 --> 00:34:07,780

best thing to do is to just send me an

726

00:34:13,320 --> 00:34:11,800

email to editor at skeptics Conde you to

727

00:34:15,680 --> 00:34:13,330

actually just put forward an idea put me

728

00:34:17,970 --> 00:34:15,690

I pitch an idea in a sentence or three

729

00:34:19,800 --> 00:34:17,980

and I'm very happy to discuss and we

730

00:34:21,450 --> 00:34:19,810

work at that it's best to do that first

731

00:34:23,220 --> 00:34:21,460

rather than write something and send it

732

00:34:24,330 --> 00:34:23,230

in because you might find you've

733

00:34:26,129 --> 00:34:24,340

actually overlapped with something

734

00:34:28,200 --> 00:34:26,139

you've already done and that happens a

735

00:34:29,250 --> 00:34:28,210

lot with book reviews actually thank you

736

00:34:31,109 --> 00:34:29,260

very much you've spent a lot of time

737

00:34:32,490 --> 00:34:31,119

doing that unfortunately we publish the

738

00:34:35,369 --> 00:34:32,500

book people doing the same book last

739

00:34:36,690 --> 00:34:35,379

issue so check it first but always

740

00:34:39,000 --> 00:34:36,700

welcome always more than welcome

741

00:34:40,379 --> 00:34:39,010

actually so yeah great to hear even if

742

00:34:42,419 --> 00:34:40,389

you like articles that are critical of

743

00:34:43,980 --> 00:34:42,429

the skeptics that's fine I don't mind

744

00:34:46,290 --> 00:34:43,990

that at all I think that's very healthy

745

00:34:48,599 --> 00:34:46,300

to have put on a wide range of topics

746

00:34:52,149 --> 00:34:48,609

and have a look at the magazine which is

747

00:34:53,950 --> 00:34:52,159

also available online and it

748

00:34:55,359 --> 00:34:53,960

all the issues were the only skeptical

749

00:34:58,000 --> 00:34:55,369

group in the world to publish all of us

750

00:35:00,220 --> 00:34:58,010

issues online for free except for the

751
00:35:01,599 --> 00:35:00,230
four most recent issues which we say for

752
00:35:04,059 --> 00:35:01,609
subscribers so you can look at the very

753
00:35:07,410 --> 00:35:04,069
earliest copies of the magazine so that

754
00:35:09,760 --> 00:35:07,420
came out in 1981 a massive four pager

755
00:35:11,710 --> 00:35:09,770
but ever since then so gave a look

756
00:35:14,680 --> 00:35:11,720
there's a plethora of information and

757
00:35:17,109 --> 00:35:14,690
ideas and I draw around that information

758
00:35:19,120 --> 00:35:17,119
as you do it's a good resource

759
00:35:21,279 --> 00:35:19,130
it really is folks that thousands of

760
00:35:23,529 --> 00:35:21,289
articles reports items investigations

761
00:35:25,660 --> 00:35:23,539
interviews free to download as we like

762
00:35:28,720 --> 00:35:25,670
to say well thanks Tim and now we can

763
00:35:39,160 --> 00:35:28,730

all sit back and enjoy you reading the

764

00:35:40,900 --> 00:35:39,170

whole in the poll part two hi I'm Tim

765

00:35:43,359 --> 00:35:40,910

Mendelian the executive officer of

766

00:35:46,029 --> 00:35:43,369

Australian skeptics and the editor of a

767

00:35:51,039 --> 00:35:46,039

magazine and the skeptic this is part

768

00:35:53,710 --> 00:35:51,049

two of the whole in the poll which

769

00:35:57,880 --> 00:35:53,720

appeared in the March 2018 issue of the

770

00:35:59,500 --> 00:35:57,890

magazine which is vol 38 number one you

771

00:36:04,270 --> 00:35:59,510

can actually look this up on our website

772

00:36:09,940 --> 00:36:07,140

[Music]

773

00:36:12,040 --> 00:36:09,950

in part one we looked at the basic

774

00:36:15,250 --> 00:36:12,050

theories that there's something beneath

775

00:36:18,520 --> 00:36:15,260

us holes underground that sort of thing

776

00:36:20,200 --> 00:36:18,530

and we looked at the adventures of Rear

777

00:36:21,970 --> 00:36:20,210

Admiral Byrd who claimed to actually

778

00:36:25,359 --> 00:36:21,980

actually flown into a hole in the pole

779

00:36:27,670 --> 00:36:25,369

and met up with Nazis and people who had

780

00:36:28,870 --> 00:36:27,680

an altruistic view of the world this

781

00:36:31,660 --> 00:36:28,880

time though we look at something little

782

00:36:33,490 --> 00:36:31,670

bit more scientific and it is photos

783

00:36:36,510 --> 00:36:33,500

that have been published which

784

00:36:38,520 --> 00:36:36,520

supposedly show a hole in the pole

785

00:36:39,960 --> 00:36:38,530

specifically this time the North Pole

786

00:36:43,109 --> 00:36:39,970

[Music]

787

00:36:45,580 --> 00:36:43,119

now as every whole second knows

788

00:36:48,520 --> 00:36:45,590

cover-ups by governments and secret

789

00:36:50,710 --> 00:36:48,530

cabals have made it impossible not to

790

00:36:52,960 --> 00:36:50,720

mention downright dangerous to reveal

791

00:36:54,820 --> 00:36:52,970

the existence of the holes and the

792

00:36:57,910 --> 00:36:54,830

civilizations inside the Hollow Earth

793

00:37:00,160 --> 00:36:57,920

that they lead to it so when government

794

00:37:02,530 --> 00:37:00,170

agencies release information by accident

795

00:37:05,260 --> 00:37:02,540

or naivety that you would otherwise be

796

00:37:07,720 --> 00:37:05,270

kept from the public the whole is leap

797

00:37:11,190 --> 00:37:07,730

on it with unbridled enthusiasm and

798

00:37:13,720 --> 00:37:11,200

truth goes out the window or down a hole

799

00:37:16,240 --> 00:37:13,730

thus it was with the release of photos

800

00:37:18,130 --> 00:37:16,250

of the earth in the late 60s from the US

801
00:37:21,370 --> 00:37:18,140
environmental science services

802
00:37:23,890 --> 00:37:21,380
administration ESA meteorological

803
00:37:26,800 --> 00:37:23,900
satellites ESO was the United States

804
00:37:28,420 --> 00:37:26,810
Federal Executive created in 1965 as

805
00:37:31,000 --> 00:37:28,430
part of the reorganization of the

806
00:37:33,750 --> 00:37:31,010
Department of Commerce its mission was

807
00:37:36,849 --> 00:37:33,760
to unify and oversee the meteorological

808
00:37:39,460 --> 00:37:36,859
climatological hydrographic and geodesic

809
00:37:42,280 --> 00:37:39,470
operations of the United States it

810
00:37:44,650 --> 00:37:42,290
operated until 1970 when it was replaced

811
00:37:48,280 --> 00:37:44,660
by the new National Oceanic and

812
00:37:50,080 --> 00:37:48,290
Atmospheric Administration NOAA it was

813
00:37:52,270 --> 00:37:50,090

the first u.s. government organization

814

00:37:54,550 --> 00:37:52,280

with the word environment in its title

815

00:37:56,950 --> 00:37:54,560

and as such was the first such

816

00:37:59,130 --> 00:37:56,960

organization chartered to study the

817

00:38:01,120 --> 00:37:59,140

global natural environment as a whole

818

00:38:02,910 --> 00:38:01,130

bringing together the study of the

819

00:38:05,140 --> 00:38:02,920

oceans with that of both the atmosphere

820

00:38:08,230 --> 00:38:05,150

in the lower atmosphere and the

821

00:38:11,400 --> 00:38:08,240

ionosphere the publication of photos

822

00:38:14,140 --> 00:38:11,410

from two of its satellites sr3 and seven

823

00:38:17,560 --> 00:38:14,150

set in motion a new series of Hollow

824

00:38:20,669 --> 00:38:17,570

Earth conspiracy theories the so3

825

00:38:23,109 --> 00:38:20,679

photograph was taken on January 6 1960

826

00:38:26,979 --> 00:38:23,119

and the second photograph was taken by

827

00:38:30,640 --> 00:38:26,989

ss7 on November 23 1968

828

00:38:31,989 --> 00:38:30,650

so roughly almost cheese they show the

829

00:38:33,909 --> 00:38:31,999

northern region of the earth from above

830

00:38:36,729 --> 00:38:33,919

looking down with the polar region in

831

00:38:39,339 --> 00:38:36,739

the middle except instead of any land

832

00:38:42,249 --> 00:38:39,349

clouds or whatever there is nothing in

833

00:38:47,499 --> 00:38:42,259

the middle just a large black spot or a

834

00:38:50,919 --> 00:38:47,509

hole Robert Lee McIlwain who died in

835

00:38:52,929 --> 00:38:50,929

2008 was one of the people who hopped on

836

00:38:54,969 --> 00:38:52,939

this with great vigor he was a

837

00:38:57,479 --> 00:38:54,979

self-described Bachelor of Science in

838

00:39:00,729 --> 00:38:57,489

physics who wrote a series of ranting

839

00:39:03,099 --> 00:39:00,739

fringe science essays characteristically

840

00:39:05,979 --> 00:39:03,109

peppered with capitalized words for

841

00:39:08,890 --> 00:39:05,989

emphasis each essay covered topics such

842

00:39:12,009 --> 00:39:08,900

as alien influence on violence free

843

00:39:16,689 --> 00:39:12,019

energy becoming UFO landings and cancer

844

00:39:18,699 --> 00:39:16,699

cures as the site top Martian describes

845

00:39:20,890 --> 00:39:18,709

him Robert McIlwain became one of the

846

00:39:23,919 --> 00:39:20,900

most famous net legends during his

847

00:39:27,099 --> 00:39:23,929

tenure on Usenet generating enough fame

848

00:39:30,630 --> 00:39:27,109

and interest to rate an FAQ of his own

849

00:39:32,649 --> 00:39:30,640

and his own news group originally

850

00:39:34,390 --> 00:39:32,659

appearing on science groups and

851
00:39:35,559 --> 00:39:34,400
eventually posting to almost every news

852
00:39:37,959 --> 00:39:35,569
group in existence

853
00:39:39,789 --> 00:39:37,969
Macarena would post long messages about

854
00:39:42,969 --> 00:39:39,799
a number of subjects on a regular

855
00:39:45,159 --> 00:39:42,979
monthly or semi monthly basis these

856
00:39:46,779 --> 00:39:45,169
posts were almost always the same with

857
00:39:48,729 --> 00:39:46,789
no changes made from the previous

858
00:39:50,559 --> 00:39:48,739
editions and he never crossed posted

859
00:39:52,779 --> 00:39:50,569
making an impossible for most news

860
00:39:55,359 --> 00:39:52,789
reader programs to realize that the

861
00:39:58,140 --> 00:39:55,369
message had already been read Robert's

862
00:40:00,969 --> 00:39:58,150
messages always ended with the sentence

863
00:40:03,159 --> 00:40:00,979

unaltered reproduction and dissemination

864

00:40:05,049 --> 00:40:03,169

of this important information is

865

00:40:08,199 --> 00:40:05,059

encouraged now every second word is in

866

00:40:10,749 --> 00:40:08,209

caps so that in his typical art

867

00:40:12,459 --> 00:40:10,759

conspiracists style he posted the

868

00:40:16,059 --> 00:40:12,469

following when he saw the first essay

869

00:40:19,209 --> 00:40:16,069

Frodo the earth is hollow it's hollow

870

00:40:21,729 --> 00:40:19,219

shell is about 1,500 miles thick at the

871

00:40:24,489 --> 00:40:21,739

equator and about 500 miles thick near

872

00:40:27,969 --> 00:40:24,499

the polar entrance holes the north polar

873

00:40:30,219 --> 00:40:27,979

entrance hole is about 1400 miles in

874

00:40:33,249 --> 00:40:30,229

diameter and centered close to the

875

00:40:34,299 --> 00:40:33,259

Earth's axis of rotation while the south

876

00:40:36,939 --> 00:40:34,309

polar entering

877

00:40:38,769 --> 00:40:36,949

whole is slightly smaller perhaps 1,300

878

00:40:40,959 --> 00:40:38,779

miles in diameter and somewhat

879

00:40:43,209 --> 00:40:40,969

off-center the entrance holes are

880

00:40:46,449 --> 00:40:43,219

usually filled up with some kind of fog

881

00:40:49,569 --> 00:40:46,459

as the geometric center of the earth is

882

00:40:52,390 --> 00:40:49,579

a glowing ball of plasma about 600 miles

883

00:40:54,789 --> 00:40:52,400

in diameter which serves as the central

884

00:40:59,019 --> 00:40:54,799

Sun that warms and illuminates the

885

00:41:04,029 --> 00:40:59,029

Earth's inner surface Sean Ellis on his

886

00:41:06,160 --> 00:41:04,039

website motor prime dot org points out

887

00:41:08,140 --> 00:41:06,170

that Michael vanes caption includes the

888

00:41:10,630 --> 00:41:08,150

words clearly showing the whole of the

889

00:41:12,390 --> 00:41:10,640

North Pole if this is indeed the case

890

00:41:15,219 --> 00:41:12,400

then it is nothing short of remarkable

891

00:41:17,559 --> 00:41:15,229

as the North Pole is in complete

892

00:41:20,339 --> 00:41:17,569

darkness at this time of year so

893

00:41:22,239 --> 00:41:20,349

spotting a hole in darkness is difficult

894

00:41:23,679 --> 00:41:22,249

there are other things about this

895

00:41:26,410 --> 00:41:23,689

photograph that raise problems Ellis

896

00:41:28,569 --> 00:41:26,420

says not just the hole but the entire

897

00:41:30,939 --> 00:41:28,579

visible hemisphere of the earth is in

898

00:41:32,859 --> 00:41:30,949

sunlight clearly impossible unless the

899

00:41:36,279 --> 00:41:32,869

pole is oriented directly towards the

900

00:41:39,069 --> 00:41:36,289

Sun this is not of course the case at no

901
00:41:40,719 --> 00:41:39,079
time during January 1967 was the entire

902
00:41:43,239 --> 00:41:40,729
northern hemisphere is simultaneously

903
00:41:45,900 --> 00:41:43,249
bathed in sunlight the answer of course

904
00:41:47,919 --> 00:41:45,910
is that the photos are composites

905
00:41:50,859 --> 00:41:47,929
montages produced from a number of

906
00:41:53,969 --> 00:41:50,869
separate half-lit images to give a

907
00:41:57,549 --> 00:41:53,979
measure of global cloud cover the hole

908
00:41:59,469 --> 00:41:57,559
only appears then that area is in winter

909
00:42:01,809 --> 00:41:59,479
darkness allied to the angle of

910
00:42:03,910 --> 00:42:01,819
inclination of the satellite taking the

911
00:42:07,029 --> 00:42:03,920
images during summer months in the

912
00:42:08,709 --> 00:42:07,039
area's well lit there is no hole but

913
00:42:12,579 --> 00:42:08,719

that doesn't stop conspiracy theorists

914

00:42:15,759 --> 00:42:12,589

of course as recently as 2016 a group

915

00:42:18,160 --> 00:42:15,769

called secure team 10 posted a video on

916

00:42:21,160 --> 00:42:18,170

YouTube with never-before-seen pictures

917

00:42:23,079 --> 00:42:21,170

of the alleged hole apart from the s of

918

00:42:26,259 --> 00:42:23,089

photographs one of the never-before-seen

919

00:42:28,059 --> 00:42:26,269

photographs was published in 1972 it

920

00:42:29,109 --> 00:42:28,069

shows North America and has been readily

921

00:42:31,239 --> 00:42:29,119

available on the net

922

00:42:34,059 --> 00:42:31,249

ever since there was a net to look at

923

00:42:35,949 --> 00:42:34,069

nevertheless secured team 10 which

924

00:42:37,419 --> 00:42:35,959

sounds more impressive than it is at one

925

00:42:40,059 --> 00:42:37,429

point in the video they referred to the

926
00:42:41,890 --> 00:42:40,069
Arctic as the Antarctic claims the

927
00:42:43,299 --> 00:42:41,900
cover-up because every single satellite

928
00:42:46,029 --> 00:42:43,309
image that we have of the North Pole

929
00:42:48,650 --> 00:42:46,039
shows a massive hole or a blackout hole

930
00:42:50,960 --> 00:42:48,660
put there to hide whatever's underneath

931
00:42:53,520 --> 00:42:50,970
that's not even close to being true

932
00:42:56,430 --> 00:42:53,530
what's a bit of absurd hyperbole between

933
00:42:59,940 --> 00:42:56,440
friends the photo in question was taken

934
00:43:02,400 --> 00:42:59,950
in 1972 by Ken Mattingly a member of the

935
00:43:04,020 --> 00:43:02,410
crew of Apollo 16 if you go under the

936
00:43:05,720 --> 00:43:04,030
NASA site you can get this photo very

937
00:43:09,060 --> 00:43:05,730
easily just look up Ken Mattingly and

938
00:43:13,260 --> 00:43:09,070

photo of the earth as the online caption

939

00:43:17,010 --> 00:43:13,270

for the photo says is 1 6 1 1 8 1 8 8 8

940

00:43:18,960 --> 00:43:17,020

5 16 April 1972 a good view of Earth

941

00:43:21,990 --> 00:43:18,970

photographed about one of the half hours

942

00:43:24,780 --> 00:43:22,000

after translunar injection on April 16th

943

00:43:27,300 --> 00:43:24,790

1972 although there is much cloud cover

944

00:43:29,700 --> 00:43:27,310

the United States in large part most of

945

00:43:32,820 --> 00:43:29,710

Mexico and some parts of Central America

946

00:43:35,660 --> 00:43:32,830

are clearly visible note Lake Michigan

947

00:43:38,190 --> 00:43:35,670

and Lake Superior and the Bahamas banks

948

00:43:42,480 --> 00:43:38,200

see different shades of blue below

949

00:43:44,940 --> 00:43:42,490

Florida just beginning man's fifth lunar

950

00:43:46,920 --> 00:43:44,950

landing mission where astronauts John W

951
00:43:49,560 --> 00:43:46,930
young commander Thomas K Mattingly the

952
00:43:52,770 --> 00:43:49,570
second command module pilot and Charles

953
00:43:54,599 --> 00:43:52,780
M duke jr. lunar module pilot while

954
00:43:57,240 --> 00:43:54,609
astronauts young and Duke descended in

955
00:43:59,250 --> 00:43:57,250
the lunar module Orion to explore the

956
00:44:01,500 --> 00:43:59,260
Descartes Highlands region of the moon

957
00:44:03,870 --> 00:44:01,510
astronaut Mattingly remained with the

958
00:44:06,329 --> 00:44:03,880
command and service modules Kaspar in

959
00:44:08,490 --> 00:44:06,339
lunar orbit that's when he was taking

960
00:44:10,560 --> 00:44:08,500
the photos the photo shows cloud cover

961
00:44:13,160 --> 00:44:10,570
with an interesting circle yes

962
00:44:15,660 --> 00:44:13,170
let's call it a hole in the top left

963
00:44:17,250 --> 00:44:15,670

when other conspiracy theorists cite

964

00:44:19,230 --> 00:44:17,260

published this photo and another one

965

00:44:20,700 --> 00:44:19,240

that was very similar so similar in fact

966

00:44:22,200 --> 00:44:20,710

that it's incredible that they didn't

967

00:44:25,050 --> 00:44:22,210

realize that they simply turned the

968

00:44:27,510 --> 00:44:25,060

first photo through 90 degrees to photos

969

00:44:29,609 --> 00:44:27,520

same further the video

970

00:44:31,470 --> 00:44:29,619

despite being more than 40 years late

971

00:44:33,270 --> 00:44:31,480

with its startling revelations received

972

00:44:36,030 --> 00:44:33,280

wide publicity in the tabloid and

973

00:44:37,680 --> 00:44:36,040

digital tabloid press none of those

974

00:44:39,680 --> 00:44:37,690

media outlets seemed to have check to

975

00:44:43,320 --> 00:44:39,690

see if the photo really was secret

976
00:44:44,609 --> 00:44:43,330
never-before-seen or even recent and I

977
00:44:47,099 --> 00:44:44,619
certainly didn't seem to want to find

978
00:44:49,020 --> 00:44:47,109
out what the hull was it's turned out to

979
00:44:51,510 --> 00:44:49,030
be a problem as well the top-secret

980
00:44:53,700 --> 00:44:51,520
photo is published everywhere it is hard

981
00:44:55,730 --> 00:44:53,710
to find an explanation of the hull or

982
00:44:58,200 --> 00:44:55,740
even an acknowledgment of its existence

983
00:45:01,200 --> 00:44:58,210
NASA does not seem to have published a

984
00:45:02,170 --> 00:45:01,210
rebuttal of the whole as claimed the

985
00:45:03,820 --> 00:45:02,180
fact that the claim is

986
00:45:06,100 --> 00:45:03,830
Cupid might be a good reason not to

987
00:45:08,020 --> 00:45:06,110
bother but it would be nice to have an

988
00:45:11,110 --> 00:45:08,030

explanation to offer in response to the

989

00:45:14,470 --> 00:45:11,120

conspiracy nuts enter their skeptical

990

00:45:16,720 --> 00:45:14,480

meteorologist Steve Symons is a longtime

991

00:45:18,760 --> 00:45:16,730

skeptic in New South Wales yet

992

00:45:20,530 --> 00:45:18,770

experienced meteorologists so as often

993

00:45:22,810 --> 00:45:20,540

happens in skeptical circles he readily

994

00:45:24,280 --> 00:45:22,820

gave a clear explanation but you do have

995

00:45:27,610 --> 00:45:24,290

to listen closely to this one

996

00:45:29,950 --> 00:45:27,620

he says air rises at the equator and

997

00:45:32,500 --> 00:45:29,960

sinks back to earth at around 30 degrees

998

00:45:34,810 --> 00:45:32,510

north and south and some of that flows

999

00:45:38,110 --> 00:45:34,820

back to the equator at the surface as

1000

00:45:40,480 --> 00:45:38,120

the trade winds air also rises in the

1001
00:45:42,640 --> 00:45:40,490
vicinity of the polar front at about 50

1002
00:45:45,130 --> 00:45:42,650
degrees north and south some of that

1003
00:45:47,560 --> 00:45:45,140
moves towards the equator and sinks to

1004
00:45:49,840 --> 00:45:47,570
30 degrees north and south with the

1005
00:45:53,020 --> 00:45:49,850
equatorial air and flows back towards

1006
00:45:55,750 --> 00:45:53,030
the pole at the surface producing the

1007
00:45:58,360 --> 00:45:55,760
westerlies air rising at the polar front

1008
00:46:00,910 --> 00:45:58,370
also moves towards the pole and sinks

1009
00:46:02,980 --> 00:46:00,920
back to the surface at the pulse this

1010
00:46:05,020 --> 00:46:02,990
creates a belt of low pressure around

1011
00:46:07,390 --> 00:46:05,030
the equator a belt of high pressure

1012
00:46:09,700 --> 00:46:07,400
around 30 degrees a belt of low pressure

1013
00:46:12,640 --> 00:46:09,710

around 50 degrees and high pressure

1014

00:46:16,630 --> 00:46:12,650

again at the poles high pressure areas

1015

00:46:19,180 --> 00:46:16,640

have descending air cloud does not form

1016

00:46:21,610 --> 00:46:19,190

in descending air and with no cloud you

1017

00:46:24,430 --> 00:46:21,620

get no rain all the world's major

1018

00:46:26,920 --> 00:46:24,440

deserts lie along the subtropical Ridge

1019

00:46:29,770 --> 00:46:26,930

the belt of high pressure around 30

1020

00:46:32,560 --> 00:46:29,780

degrees and also under the highs of the

1021

00:46:35,140 --> 00:46:32,570

poles the Antarctic and Arctic are

1022

00:46:37,420 --> 00:46:35,150

deserts if you have an ocean surrounded

1023

00:46:39,640 --> 00:46:37,430

by land as you do in the Arctic you will

1024

00:46:41,770 --> 00:46:39,650

get widespread cloud over the land areas

1025

00:46:43,620 --> 00:46:41,780

but where you have descending air over

1026

00:46:46,060 --> 00:46:43,630

the ocean you will get no cloud at all

1027

00:46:48,190 --> 00:46:46,070

the symmetrical nature of the flow of

1028

00:46:50,470 --> 00:46:48,200

air around the Arctic means that the

1029

00:46:52,870 --> 00:46:50,480

cloud free area will be virtually

1030

00:46:56,440 --> 00:46:52,880

circular exactly as you said in the

1031

00:46:58,540 --> 00:46:56,450

photo the polar night vortex Steve says

1032

00:47:01,150 --> 00:46:58,550

is a jet stream that circles the poles

1033

00:47:03,160 --> 00:47:01,160

at around 10,000 meters it tends to

1034

00:47:05,620 --> 00:47:03,170

separate the air over the pole from the

1035

00:47:08,110 --> 00:47:05,630

sub polar regions and could help reduce

1036

00:47:10,090 --> 00:47:08,120

the clean edge to the cloud but there is

1037

00:47:12,120 --> 00:47:10,100

no need to worry about it the simple

1038

00:47:15,170 --> 00:47:12,130

explanation of a high pressure system

1039

00:47:16,730 --> 00:47:15,180

descending air and therefore no cloud

1040

00:47:19,880 --> 00:47:16,740

explains the hole in the pole well

1041

00:47:29,870 --> 00:47:19,890

enough meteorologist one conspiracy

1042

00:47:32,210 --> 00:47:29,880

theories nil that's part 2 of this

1043

00:47:35,960 --> 00:47:32,220

article pad 3 will actually look at some

1044

00:47:54,650 --> 00:47:35,970

of the people who want to go there look

1045

00:47:57,530 --> 00:47:54,660

forward to talking to you them skeptic

1046

00:48:00,559 --> 00:47:57,540

on 2019 the Australian skeptics National

1047

00:48:02,599 --> 00:48:00,569

Convention one of the highlights of this

1048

00:48:05,329 --> 00:48:02,609

year's convention is the regulatory

1049

00:48:08,650 --> 00:48:05,339

panel discussion could Australian

1050

00:48:11,780 --> 00:48:08,660

regulators better protect consumers from

1051
00:48:15,770 --> 00:48:11,790
misleading and dangerous advertising of

1052
00:48:18,440 --> 00:48:15,780
products making therapeutic claims the

1053
00:48:20,809 --> 00:48:18,450
panel will be chaired by Ken Harvey the

1054
00:48:24,410 --> 00:48:20,819
president of Friends of science in

1055
00:48:27,740 --> 00:48:24,420
medicine joining Ken will be Nicholas

1056
00:48:29,990 --> 00:48:27,750
Hays deputy general manager enforcement

1057
00:48:34,640 --> 00:48:30,000
coordination Australian Competition and

1058
00:48:36,530 --> 00:48:34,650
Consumer Commission mayor Duke head of

1059
00:48:39,620 --> 00:48:36,540
undergraduate courses and the head

1060
00:48:42,260 --> 00:48:39,630
quality and innovation of the Medical

1061
00:48:43,970 --> 00:48:42,270
Education Research and quality unit at

1062
00:48:47,490 --> 00:48:43,980
the school of public health and

1063
00:48:51,060 --> 00:48:47,500

preventive medicine Monash University

1064

00:48:53,460 --> 00:48:51,070

jeonse carrot deputy secretary for

1065

00:48:57,140 --> 00:48:53,470

health products regulation Australian

1066

00:48:59,640 --> 00:48:57,150

Department of Health Paulinus Nestle

1067

00:49:02,100 --> 00:48:59,650

research fellow and evidence-based

1068

00:49:04,140 --> 00:49:02,110

practice professional unit coordinator

1069

00:49:06,030 --> 00:49:04,150

at the Center for research in

1070

00:49:08,520 --> 00:49:06,040

evidence-based practice at Bond

1071

00:49:12,750 --> 00:49:08,530

University President of the Gold Coast

1072

00:49:15,390 --> 00:49:12,760

skeptics Julie woods discipline leader

1073

00:49:17,670 --> 00:49:15,400

nutrition Institute for physical

1074

00:49:20,070 --> 00:49:17,680

activity and nutrition school of

1075

00:49:23,640 --> 00:49:20,080

exercise and nutrition sciences Deakin

1076

00:49:25,770 --> 00:49:23,650

University and mal Vickers Master of

1077

00:49:27,860 --> 00:49:25,780

Public Health student at the school of

1078

00:49:32,160 --> 00:49:27,870

public health and preventive medicine

1079

00:49:34,980 --> 00:49:32,170

Monash University - the panel will be on

1080

00:49:38,280 --> 00:49:34,990

Saturday the 7th of December from 11

1081

00:49:39,180 --> 00:49:38,290

o'clock for more information and to get

1082

00:49:41,680 --> 00:49:39,190

your tickets visit

1083

00:49:41,690 --> 00:50:00,130

[Music]

1084

00:50:05,180 --> 00:50:02,600

thank you for listening to the skeptic

1085

00:50:09,440 --> 00:50:05,190

zone now I hope to see you meet you at

1086

00:50:11,600 --> 00:50:09,450

skeptic on 2019 not many weeks away now

1087

00:50:15,320 --> 00:50:11,610

in Melbourne still tickets available if

1088

00:50:18,670 --> 00:50:15,330

you go to skeptic on dot org dot a you

1089

00:50:22,130 --> 00:50:18,680

you can certainly buy your tickets now

1090

00:50:24,020 --> 00:50:22,140

lots of chances to meet your favorite

1091

00:50:26,090 --> 00:50:24,030

sceptical speakers including the

1092

00:50:29,510 --> 00:50:26,100

skeptics guide to the universe and lots

1093

00:50:31,760 --> 00:50:29,520

of other prominent speakers and who

1094

00:50:34,310 --> 00:50:31,770

knows you might even get to meet the one

1095

00:50:37,250 --> 00:50:34,320

and only me not and thank you again to

1096

00:50:40,220 --> 00:50:37,260

the people who are patreon Xand PayPal

1097

00:50:43,220 --> 00:50:40,230

subscribers of course nobody has to be

1098

00:50:45,520 --> 00:50:43,230

to listen to the show and I think it's

1099

00:50:47,990 --> 00:50:45,530

marvelous that some people choose to me

1100

00:50:50,150 --> 00:50:48,000

they choose to be there's no premium

1101

00:50:52,220 --> 00:50:50,160

content the skeptic zone you don't pay

1102

00:50:56,240 --> 00:50:52,230

extra to get extra show you get the show

1103

00:50:58,640 --> 00:50:56,250

anyway and if you so desire you can chip

1104

00:51:02,030 --> 00:50:58,650

in five or ten dollars a month via

1105

00:51:03,710 --> 00:51:02,040

PayPal or patreon it skeptic zone TV or

1106

00:51:08,360 --> 00:51:03,720

make a one-off contribution

1107

00:51:10,130 --> 00:51:08,370

it means the show keeps on air in air on

1108

00:51:12,110 --> 00:51:10,140

the internet in the internet you know

1109

00:51:13,760 --> 00:51:12,120

what I mean when Lord the cat's come

1110

00:51:14,870 --> 00:51:13,770

back with me to the studio she's looking

1111

00:51:18,490 --> 00:51:14,880

out the window because for some reason

1112

00:51:23,200 --> 00:51:18,500

I'll just open the studio window hang on

1113

00:51:28,280 --> 00:51:26,210

you pick up the microphone maybe you can

1114

00:51:34,840 --> 00:51:28,290

hear we've been invaded by rainbow

1115

00:51:46,820 --> 00:51:39,890

it's that sort of day why the rainbow

1116

00:51:48,590 --> 00:51:46,830

lorikeets circle around guys 1 now this

1117

00:51:55,430 --> 00:51:48,600

is Richard Saunders signing off from

1118

00:51:58,430 --> 00:51:55,440

Sydney Australia you've been listening

1119

00:52:03,190 --> 00:51:58,440

to the skeptic zone podcast please visit

1120

00:52:06,500 --> 00:52:03,200

our website at WWDC because shownotes

1121

00:52:10,700 --> 00:52:06,510

contacts and to access the bat catalog

1122

00:52:12,410 --> 00:52:10,710

of episodes going back to 2008 you can

1123

00:52:15,470 --> 00:52:12,420

follow the skeptic zone podcast on

1124

00:52:17,750 --> 00:52:15,480

twitter at skeptic zone visit our

1125

00:52:18,640 --> 00:52:17,760

facebook page or leave a review on

1126

00:52:21,320 --> 00:52:18,650

itunes

1127

00:52:24,710 --> 00:52:21,330

you can also support the skeptic zone

1128

00:52:27,430 --> 00:52:24,720

via patreon or PayPal the skeptic zone

1129

00:52:29,810 --> 00:52:27,440

podcast is an independent production

1130

00:52:31,940 --> 00:52:29,820

reviews and opinions expressed on the

1131

00:52:34,280 --> 00:52:31,950

skeptic zone are not necessarily those

1132

00:52:39,200 --> 00:52:34,290

of Australian skeptics or any other

1133

00:52:39,210 --> 00:52:46,520

you

1134

00:52:50,640 --> 00:52:48,390

and loads of the people who keep

1135

00:52:52,380 --> 00:52:50,650

listening after the end of the music we

1136

00:52:53,670 --> 00:52:52,390

haven't done this for a few weeks this

1137

00:52:56,010 --> 00:52:53,680

is the part of the show if you're new to

1138

00:52:57,810 --> 00:52:56,020

this where I roll a 10 sided die this

1139

00:53:00,660 --> 00:52:57,820

week sometimes it's six sided sometimes

1140

00:53:03,030 --> 00:53:00,670

it's different 20 sided today it's 10

1141

00:53:05,630 --> 00:53:03,040

sided are all at three times I'll roll

1142

00:53:07,890 --> 00:53:05,640

at three times and you use your psychic

1143

00:53:11,240 --> 00:53:07,900

predicting powers oh hello it's more

1144

00:53:16,350 --> 00:53:11,250

cheese back yeah this is her toy mouse

1145

00:53:20,400 --> 00:53:16,360

come on hmm sometimes she leaps

1146

00:53:22,230 --> 00:53:20,410

backwards to get that Mouse yeah this is

1147

00:53:24,330 --> 00:53:22,240

where you used your predicting powers to

1148

00:53:27,390 --> 00:53:24,340

see if you can predict what numbers will

1149

00:53:30,360 --> 00:53:27,400

come up so I'm gonna put it in a little

1150

00:53:32,670 --> 00:53:30,370

container here there we go shut the

1151

00:53:37,860 --> 00:53:32,680

container give it a rattle and here

1152

00:53:40,410 --> 00:53:37,870

comes the first number eight might bet

1153

00:53:46,950 --> 00:53:40,420

on your score cards folks eight predict

1154

00:53:53,510 --> 00:53:46,960

the next number here it comes for force

1155

00:54:00,150 --> 00:53:57,900

three eight four and three hey if you're

1156

00:54:02,760 --> 00:54:00,160

coming to skeptic on in a couple of

1157

00:54:05,610 --> 00:54:02,770

weeks time say hello and I might even