

The Skeptic Zone
Show 324 - 4 Jan 2015



Photo : Ruth Ellison

Peter Hadfield

1
00:00:22,050 --> 00:00:09,100
welcome to the skeptic zone the podcast

2
00:00:28,810 --> 00:00:24,790
hello and welcome to the skeptics on

3
00:00:33,910 --> 00:00:28,820
episode number 324 for the 4th of

4
00:00:37,990 --> 00:00:33,920
January 2015 2015 Richard Saunders here

5
00:00:43,420 --> 00:00:38,000
with you from a very hot oh good hot and

6
00:00:45,549 --> 00:00:43,430
sticky sweaty humid me moist who is my

7
00:00:48,160 --> 00:00:45,559
thesaurus that sort of weather Wow

8
00:00:50,160 --> 00:00:48,170
it is a warm one in Sydney but our

9
00:00:53,500 --> 00:00:50,170
thoughts go to the people in Adelaide

10
00:00:56,439 --> 00:00:53,510
especially in the Adelaide Hills where

11
00:00:58,600 --> 00:00:56,449
there are dreadful fires raging and

12
00:01:01,360 --> 00:00:58,610
sadly we hear of our loss of property

13
00:01:03,579 --> 00:01:01,370

and lots of animals have been perished

14

00:01:06,360 --> 00:01:03,589

unfortunately I haven't heard of loss of

15

00:01:09,130 --> 00:01:06,370

life but well we'll hope for the best

16

00:01:11,550 --> 00:01:09,140

but coming up on this week's episode of

17

00:01:14,680 --> 00:01:11,560

the skeptic zone to kick off 2015

18

00:01:17,289 --> 00:01:14,690

Maynard Maynard interviews Peter

19

00:01:19,600 --> 00:01:17,299

Hadfield who is a really good journalist

20

00:01:23,950 --> 00:01:19,610

and what I really love about his work is

21

00:01:29,499 --> 00:01:23,960

the videos he puts on YouTube under the

22

00:01:32,319 --> 00:01:29,509

handle potholer 54 if you if you're not

23

00:01:35,740 --> 00:01:32,329

subscribed on YouTube to pothole of 54 I

24

00:01:37,149 --> 00:01:35,750

can really recommend it wonderful I hate

25

00:01:39,760 --> 00:01:37,159

to use the word or sometimes I don't

26

00:01:41,980 --> 00:01:39,770

hate to use the word debunking videos

27

00:01:45,459 --> 00:01:41,990

well sort of debunking looking into the

28

00:01:48,130 --> 00:01:45,469

issues climate change he looks into and

29

00:01:50,529 --> 00:01:48,140

creationism especially really

30

00:01:54,819 --> 00:01:50,539

interesting educational stuff he also

31

00:01:57,010 --> 00:01:54,829

has the golden Crocodoc award outrageous

32

00:01:59,279 --> 00:01:57,020

things like creationism and things like

33

00:02:01,929 --> 00:01:59,289

that find out more when Maynard

34

00:02:04,120 --> 00:02:01,939

interviews Peter Hadfield coming up to

35

00:02:07,630 --> 00:02:04,130

kick off the show and once again this

36

00:02:10,029 --> 00:02:07,640

week via the weekend science is taking a

37

00:02:11,650 --> 00:02:10,039

break from the Royal Institution of

38

00:02:14,260 --> 00:02:11,660

Australia we are certainly looking

39

00:02:15,130 --> 00:02:14,270

forward to in week in science kicks off

40

00:02:18,910 --> 00:02:15,140

again

41

00:02:21,960 --> 00:02:18,920

in the meantime always always visit our

42

00:02:25,300 --> 00:02:21,970

ia us dot org dot au there are wonderful

43

00:02:27,610 --> 00:02:25,310

scientific outreach organization and

44

00:02:29,890 --> 00:02:27,620

they've even got their own channel which

45

00:02:32,070 --> 00:02:29,900

is really interesting what I mean by

46

00:02:34,270 --> 00:02:32,080

that is they call it the Australia's

47

00:02:38,110 --> 00:02:34,280

science chat

48

00:02:40,449 --> 00:02:38,120

check it out there at RI aus dog dot au

49

00:02:41,739 --> 00:02:40,459

and as it happens there in Adelaide too

50

00:02:43,270 --> 00:02:41,749

but they're right in the center of the

51
00:02:46,770 --> 00:02:43,280
city so I think they're quite safe from

52
00:02:50,020 --> 00:02:46,780
the fires and then it's Jo alabaster

53
00:02:52,449 --> 00:02:50,030
evidence please with Jo alabaster Jo is

54
00:02:54,599 --> 00:02:52,459
going to be telling us about magnets

55
00:02:57,879 --> 00:02:54,609
magnetic therapy and especially

56
00:03:00,599 --> 00:02:57,889
concerning a book she bought science

57
00:03:04,599 --> 00:03:00,609
book yes science which advocates

58
00:03:07,629 --> 00:03:04,609
magnetic therapy yeah and magnetic

59
00:03:11,849 --> 00:03:07,639
people magnetic people you should see

60
00:03:16,449 --> 00:03:11,859
the picture Jo has posted with them

61
00:03:20,409 --> 00:03:16,459
spoons and forks hanging off her body oh

62
00:03:23,009 --> 00:03:20,419
boy you can't eat no you can't more

63
00:03:26,020 --> 00:03:23,019

about that when Jo alabaster looks at

64

00:03:29,289 --> 00:03:26,030

magnets then to round off the show a

65

00:03:32,140 --> 00:03:29,299

special little side report from Maynard

66

00:03:35,949 --> 00:03:32,150

sort of continuing the theme of Maynard

67

00:03:39,520 --> 00:03:35,959

talking to the other side may not visits

68

00:03:44,020 --> 00:03:39,530

a psychic fair fest a couple years back

69

00:03:48,360 --> 00:03:44,030

now in Newcastle and speaks to psychic

70

00:03:50,649 --> 00:03:48,370

with err quotation marks Gary Weisman a

71

00:03:53,949 --> 00:03:50,659

little bit of an interesting insight

72

00:03:56,969 --> 00:03:53,959

short report to round off the show now

73

00:04:01,569 --> 00:03:56,979

an important item appeared in today's

74

00:04:06,219 --> 00:04:01,579

Telegraph newspaper with the heading

75

00:04:08,949 --> 00:04:06,229

ex-hippies jab at MU mythology by Jane

76

00:04:11,050 --> 00:04:08,959

Hansen I won't read out the article

77

00:04:13,179 --> 00:04:11,060

today you can find it online now put

78

00:04:15,189 --> 00:04:13,189

some links but our good friends at the

79

00:04:18,449 --> 00:04:15,199

Northern Rivers vaccination supporters

80

00:04:23,320 --> 00:04:18,459

group Heidi Robertson and Allison gala

81

00:04:25,180 --> 00:04:23,330

well the story is really about them and

82

00:04:27,159 --> 00:04:25,190

how they've sort of set up the Northern

83

00:04:28,209 --> 00:04:27,169

Rivers vaccination supporters group and

84

00:04:30,219 --> 00:04:28,219

so on and so on

85

00:04:35,339 --> 00:04:30,229

and boy have they been comping it online

86

00:04:37,899 --> 00:04:35,349

from the flying monkeys the anti-vaxxers

87

00:04:40,360 --> 00:04:37,909

it's interesting interesting sort of

88

00:04:41,950 --> 00:04:40,370

look into psychology too because a lot

89

00:04:45,760 --> 00:04:41,960

of people feel very strongly because

90

00:04:47,650 --> 00:04:45,770

these two are seen as traitors quislings

91

00:04:50,200 --> 00:04:47,660

and there's nothing worse than

92

00:04:53,110 --> 00:04:50,210

being branded a traitor to a cause or a

93

00:04:56,260 --> 00:04:53,120

movement or a way of thinking being

94

00:04:58,390 --> 00:04:56,270

branded a heretic one might say it's

95

00:05:00,820 --> 00:04:58,400

psychology it's human nature it's really

96

00:05:03,610 --> 00:05:00,830

interesting and of course yes the flying

97

00:05:06,880 --> 00:05:03,620

monkeys have come out and been very

98

00:05:09,640 --> 00:05:06,890

nasty as they do this is what these

99

00:05:12,850 --> 00:05:09,650

people are like I think we're going to

100

00:05:16,180 --> 00:05:12,860

be hearing more about this on next

101
00:05:17,950 --> 00:05:16,190
week's episode of the skeptic zone but

102
00:05:19,930 --> 00:05:17,960
just be aware that this is out there as

103
00:05:21,880 --> 00:05:19,940
the story appeared in the newspaper

104
00:05:24,850 --> 00:05:21,890
about the Northern Rivers vaccination

105
00:05:27,100 --> 00:05:24,860
supporters group and them as an aside

106
00:05:29,610 --> 00:05:27,110
what I did recently was I made a special

107
00:05:31,960 --> 00:05:29,620
copy of the vaccination Chronicles DVD

108
00:05:34,770 --> 00:05:31,970
for the Northern Rivers vaccination

109
00:05:39,310 --> 00:05:34,780
supporters a group it's sort of branded

110
00:05:41,050 --> 00:05:39,320
with their logo and their URL and

111
00:05:42,970 --> 00:05:41,060
there's even a special introduction from

112
00:05:44,110 --> 00:05:42,980
me talking about that area of New South

113
00:05:47,800 --> 00:05:44,120

Wales and Northern Rivers

114

00:05:50,890 --> 00:05:47,810

I sent them some copies so I hope they

115

00:05:52,810 --> 00:05:50,900

they will come in handy and help get the

116

00:05:56,560 --> 00:05:52,820

word around and if you want a copy of

117

00:06:08,890 --> 00:05:56,570

the vaccination Chronicles DVD I just

118

00:06:12,610 --> 00:06:08,900

visit www.mptv.org or sign it

119

00:06:14,440 --> 00:06:12,620

post it off the artworks on the DVD

120

00:06:17,530 --> 00:06:14,450

itself if you want to print artwork and

121

00:06:20,080 --> 00:06:17,540

the idea is that then you are free to

122

00:06:21,640 --> 00:06:20,090

make as many copies and give them Y as

123

00:06:23,230 --> 00:06:21,650

you wish and all the people you give

124

00:06:24,430 --> 00:06:23,240

those copies to are free to make copies

125

00:06:27,850 --> 00:06:24,440

and give them away and give them away

126

00:06:33,040 --> 00:06:27,860

and make copies check it out at skeptic

127

00:06:34,300 --> 00:06:33,050

zone TV oh it's still hot goodness me of

128

00:06:35,800 --> 00:06:34,310

course it's all I had to turn off the

129

00:06:38,890 --> 00:06:35,810

air conditioning to do the introduction

130

00:06:41,470 --> 00:06:38,900

clap alright well I run downstairs and

131

00:06:45,220 --> 00:06:41,480

uh you know he you know what I did

132

00:06:49,060 --> 00:06:45,230

I went to ebay a few months ago I

133

00:06:53,080 --> 00:06:49,070

thought well what can i buy for summer I

134

00:06:56,500 --> 00:06:53,090

found jumbo ice cube makers oh what fun

135

00:06:58,740 --> 00:06:56,510

I gave some to my nephews and nieces for

136

00:07:00,770 --> 00:06:58,750

Christmas and I've got two in the fridge

137

00:07:04,190 --> 00:07:00,780

jumbo ice cubes

138

00:07:06,050 --> 00:07:04,200

wow they're great this is not an ad for

139

00:07:08,210 --> 00:07:06,060

jumbo ice cube makers but if you want to

140

00:07:11,870 --> 00:07:08,220

buy one they're on eBay mm-hmm well I

141

00:07:29,839 --> 00:07:11,880

run downstairs and munch jumbo ice cubes

142

00:07:37,929 --> 00:07:34,800

here's Maynard spooky action at a

143

00:07:41,570 --> 00:07:40,129

look I better be pretty careful editing

144

00:07:43,100 --> 00:07:41,580

this because I've got Peter Hadfield

145

00:07:44,629 --> 00:07:43,110

here who's just been out there telling

146

00:07:46,009 --> 00:07:44,639

people that the put people on the bum

147

00:07:47,239 --> 00:07:46,019

thing when they do the Edit Peter what

148

00:07:48,529 --> 00:07:47,249

do you been out there telling us about

149

00:07:49,820 --> 00:07:48,539

journalists mind you I'm not a

150

00:07:52,100 --> 00:07:49,830

journalist I'm just some deal with the

151
00:07:54,979 --> 00:07:52,110
microphone oh that's the most dangerous

152
00:07:57,109 --> 00:07:54,989
seeing a dude with a microphone yeah I

153
00:07:59,059 --> 00:07:57,119
mean I think basically to make people

154
00:08:00,979 --> 00:07:59,069
aware of the fact that television is a

155
00:08:02,929 --> 00:08:00,989
very passive medium so we tend to watch

156
00:08:04,759 --> 00:08:02,939
an interview and it kind of flows over

157
00:08:06,559 --> 00:08:04,769
us and and at the end of you you you

158
00:08:09,259 --> 00:08:06,569
think you heard someone say something

159
00:08:12,409 --> 00:08:09,269
and what I wanted to show with the

160
00:08:14,689 --> 00:08:12,419
editing techniques and in in capable

161
00:08:16,759 --> 00:08:14,699
hands in honest hands you have to edit

162
00:08:18,379 --> 00:08:16,769
out of an hour-long interview you'll

163
00:08:19,759 --> 00:08:18,389

normally get maybe five minutes worth of

164

00:08:20,959 --> 00:08:19,769

good material as opposed to this

165

00:08:25,669 --> 00:08:20,969

interview where you're just getting pure

166

00:08:27,619 --> 00:08:25,679

gold the whole time this is magic so you

167

00:08:29,509 --> 00:08:27,629

have to string these little bits of

168

00:08:32,540 --> 00:08:29,519

quotes together and you can't normally

169

00:08:34,670 --> 00:08:32,550

do that on television without making it

170

00:08:36,259 --> 00:08:34,680

very obvious because the videotape just

171

00:08:38,719 --> 00:08:36,269

won't allow for those kind of cuts

172

00:08:40,699 --> 00:08:38,729

without it showing up on the video now

173

00:08:42,649 --> 00:08:40,709

what about the old MTV inspired white

174

00:08:44,360 --> 00:08:42,659

flash that's always a good anything here

175

00:08:46,730 --> 00:08:44,370

yeah well you know I mean there are

176

00:08:48,350 --> 00:08:46,740

honest ways of doing it I guess if you

177

00:08:50,090 --> 00:08:48,360

if you can make a transition from one

178

00:08:52,910 --> 00:08:50,100

part of a court to another so what they

179

00:08:54,740 --> 00:08:52,920

tend to do is they mask that edit by

180

00:08:57,470 --> 00:08:54,750

having what's called a cutaway now the

181

00:08:59,179 --> 00:08:57,480

cutaway is usually if it's a sit-down

182

00:09:02,749 --> 00:08:59,189

interview it'll be a clip of the

183

00:09:06,470 --> 00:09:02,759

interviewer which is interspersed to

184

00:09:08,059 --> 00:09:06,480

mask the audio edit and these kinds of

185

00:09:10,280 --> 00:09:08,069

cutaways are so common we tend not to

186

00:09:12,620 --> 00:09:10,290

notice them and but what they're

187

00:09:15,139 --> 00:09:12,630

essentially doing is cutting down or

188

00:09:17,269 --> 00:09:15,149

shrinking or encapsulating the quote

189

00:09:20,240 --> 00:09:17,279

from the interviewee which if it's done

190

00:09:22,280 --> 00:09:20,250

honestly is fine the problem comes with

191

00:09:24,110 --> 00:09:22,290

dishonest and disreputable television

192

00:09:26,179 --> 00:09:24,120

programs and I mentioned in my speech

193

00:09:28,280 --> 00:09:26,189

the conspiracy theory show on American

194

00:09:30,590 --> 00:09:28,290

television now you might be bad-mouthing

195

00:09:32,540 --> 00:09:30,600

conspiracy theory but it is no way got

196

00:09:34,429 --> 00:09:32,550

the credit ancient aliens agent aliens

197

00:09:36,170 --> 00:09:34,439

is my show it's got von Daniken on it I

198

00:09:38,679 --> 00:09:36,180

would love to see I would like to see

199

00:09:40,879 --> 00:09:38,689

ancient aliens see what they make of

200

00:09:42,290 --> 00:09:40,889

let's say of an interview with Richard

201
00:09:43,999 --> 00:09:42,300
Dawkins that would be fascinating you

202
00:09:45,390 --> 00:09:44,009
know they could get him to say just

203
00:09:47,370 --> 00:09:45,400
about anything

204
00:09:48,810 --> 00:09:47,380
and and you see that's the thing you can

205
00:09:50,820 --> 00:09:48,820
get someone to say just about anything

206
00:09:52,260 --> 00:09:50,830
and because it's on television you

207
00:09:53,370 --> 00:09:52,270
believe it because you're seeing the

208
00:09:55,560 --> 00:09:53,380
person actually saying and what do you

209
00:09:56,880 --> 00:09:55,570
reckon is the most outrageous use of

210
00:09:59,070 --> 00:09:56,890
that you've seen of someone being

211
00:10:01,050 --> 00:09:59,080
misquoted using editing well I mentioned

212
00:10:03,090 --> 00:10:01,060
in my speech that I think the most

213
00:10:05,190 --> 00:10:03,100

dangerous thing at the moment is the

214

00:10:06,690 --> 00:10:05,200

assault on climate science which is not

215

00:10:09,090 --> 00:10:06,700

just an assault on climate sciences an

216

00:10:10,470 --> 00:10:09,100

assault on geology glaciology all the

217

00:10:13,290 --> 00:10:10,480

other sciences involved in climate

218

00:10:15,390 --> 00:10:13,300

change and this is a concerted media

219

00:10:17,579 --> 00:10:15,400

campaign to discredit these things and

220

00:10:20,790 --> 00:10:17,589

unfortunately they do it using these

221

00:10:22,920 --> 00:10:20,800

kinds of techniques the one that I

222

00:10:25,530 --> 00:10:22,930

mentioned was where they got Ben Santo

223

00:10:27,150 --> 00:10:25,540

who's quite a well-known figure to make

224

00:10:30,150 --> 00:10:27,160

it look as though he was admitting to

225

00:10:32,850 --> 00:10:30,160

have deleted crucial information from an

226
00:10:35,970 --> 00:10:32,860
IPCC report which he's denied doing and

227
00:10:37,769 --> 00:10:35,980
yet on the conspiracy show they they cut

228
00:10:39,750 --> 00:10:37,779
it and edit it in such a way that he

229
00:10:41,400 --> 00:10:39,760
seems to be admitting it that is a very

230
00:10:42,960 --> 00:10:41,410
dangerous thing of course you've gone

231
00:10:44,370 --> 00:10:42,970
head-to-head with Lord Monckton a bit

232
00:10:45,780 --> 00:10:44,380
there and him and I do share the whole

233
00:10:47,250 --> 00:10:45,790
bug ID thing going on there but he's

234
00:10:48,090 --> 00:10:47,260
taken it to an extreme obviously it's

235
00:10:50,190 --> 00:10:48,100
there's something going on in the House

236
00:10:51,510 --> 00:10:50,200
of Lords water I think and have you gone

237
00:10:53,400 --> 00:10:51,520
with him have you met him personally if

238
00:10:56,910 --> 00:10:53,410

you guys come to blows yet no

239

00:11:00,630 --> 00:10:56,920

unfortunately not he actually wrote

240

00:11:02,519 --> 00:11:00,640

something on what's up with that which

241

00:11:05,910 --> 00:11:02,529

is a very famous I think the most famous

242

00:11:08,490 --> 00:11:05,920

climate denial I don't you like using

243

00:11:12,390 --> 00:11:08,500

the word denial it's not a good for me

244

00:11:15,210 --> 00:11:12,400

it sort of paints it as like you compare

245

00:11:17,640 --> 00:11:15,220

it to the Holocaust and look what I say

246

00:11:21,269 --> 00:11:17,650

is you you can't deny something in

247

00:11:24,390 --> 00:11:21,279

science okay let me put this another way

248

00:11:27,570 --> 00:11:24,400

nothing in science is 100% and therefore

249

00:11:30,449 --> 00:11:27,580

to look at people who are critical of a

250

00:11:31,920 --> 00:11:30,459

scientific theory as deniers is like

251

00:11:34,260 --> 00:11:31,930

they're denying something that is an

252

00:11:35,940 --> 00:11:34,270

absolute fact that is undeniable and I

253

00:11:37,920 --> 00:11:35,950

don't think science can ever say that we

254

00:11:39,960 --> 00:11:37,930

can never say that we know 100% that

255

00:11:41,790 --> 00:11:39,970

something is true that gets into the

256

00:11:43,350 --> 00:11:41,800

realms of religion so I don't like using

257

00:11:45,720 --> 00:11:43,360

the word denied but certainly he's one

258

00:11:49,079 --> 00:11:45,730

of these people who is as a contrarian

259

00:11:50,790 --> 00:11:49,089

and this what's up with that website is

260

00:11:52,650 --> 00:11:50,800

the probably number one contrarian

261

00:11:56,530 --> 00:11:52,660

website now Lord Monckton went on there

262

00:11:58,780 --> 00:11:56,540

and and basically complained about my

263

00:12:00,130 --> 00:11:58,790

Moncton Buncombe series which I made

264

00:12:01,510 --> 00:12:00,140

which is doesn't you know basically

265

00:12:03,700 --> 00:12:01,520

pulling apart everything that he had

266

00:12:05,440 --> 00:12:03,710

said unfortunately he made the mistake

267

00:12:07,840 --> 00:12:05,450

of not actually watching the videos so

268

00:12:09,730 --> 00:12:07,850

he was he was attacking a straw man but

269

00:12:11,890 --> 00:12:09,740

that was fantastic because that gave me

270

00:12:14,230 --> 00:12:11,900

the opportunity to write to what's

271

00:12:15,910 --> 00:12:14,240

what's up with that and say well you've

272

00:12:19,030 --> 00:12:15,920

had Lord Monckton on do I have the right

273

00:12:21,970 --> 00:12:19,040

of reply and very begrudging Lee they

274

00:12:24,370 --> 00:12:21,980

allowed the right of reply as so I I

275

00:12:26,080 --> 00:12:24,380

then tore into Lord Monckton and

276

00:12:29,110 --> 00:12:26,090

completely discredited everything he was

277

00:12:31,030 --> 00:12:29,120

saying and Lord Monckton very stupidly

278

00:12:34,240 --> 00:12:31,040

said right I will respond to this

279

00:12:35,860 --> 00:12:34,250

fantastic and and then and then what's

280

00:12:38,440 --> 00:12:35,870

up with that started calling it a debate

281

00:12:40,780 --> 00:12:38,450

so that right we have a debate and then

282

00:12:42,460 --> 00:12:40,790

he never responded I think he read it he

283

00:12:44,710 --> 00:12:42,470

saw the videos and he was so worried

284

00:12:46,450 --> 00:12:44,720

that he just decided not to respond and

285

00:12:48,280 --> 00:12:46,460

we've been trying to get him to respond

286

00:12:51,370 --> 00:12:48,290

ever since and what is your best point

287

00:12:53,050 --> 00:12:51,380

against what Moncton say oh the most

288

00:12:56,590 --> 00:12:53,060

obvious ones I suppose would be the Miss

289

00:13:01,360 --> 00:12:56,600

quotes he had a series of quotations

290

00:13:03,130 --> 00:13:01,370

from various people and it's so easy I

291

00:13:04,900 --> 00:13:03,140

mean with facts it's the you know

292

00:13:06,310 --> 00:13:04,910

scientific facts is more difficult you

293

00:13:07,870 --> 00:13:06,320

have to go to sources and have to find

294

00:13:09,430 --> 00:13:07,880

it but with a quote either you're

295

00:13:11,080 --> 00:13:09,440

quoting something correctly or you're

296

00:13:13,090 --> 00:13:11,090

not and if you go to the source of the

297

00:13:14,620 --> 00:13:13,100

quote and the way that more Lord

298

00:13:16,650 --> 00:13:14,630

Monckton portrays the quote and if

299

00:13:20,020 --> 00:13:16,660

they're completely different then

300

00:13:22,420 --> 00:13:20,030

clearly he's manipulated and and and

301
00:13:23,710 --> 00:13:22,430
he's distorted the other thing was there

302
00:13:27,100 --> 00:13:23,720
was a paper that he mentioned on

303
00:13:29,290 --> 00:13:27,110
Greenland Johanna s'en who's very famous

304
00:13:30,850 --> 00:13:29,300
glaciologist who had done something on

305
00:13:32,890 --> 00:13:30,860
the melting of the Greenland ice caps

306
00:13:35,920 --> 00:13:32,900
and he had looked at the interior of

307
00:13:38,350 --> 00:13:35,930
Greenland and and said that the interior

308
00:13:40,120 --> 00:13:38,360
is gaining ice but in the paper he said

309
00:13:42,700 --> 00:13:40,130
but of course on the coast it's ablating

310
00:13:44,500 --> 00:13:42,710
it's it's melting and in fact the

311
00:13:47,110 --> 00:13:44,510
overall if you look at the balance

312
00:13:49,720 --> 00:13:47,120
between the the gain and the middle and

313
00:13:52,780 --> 00:13:49,730

the melting at the edge there is a net

314

00:13:54,250 --> 00:13:52,790

melting now what what Moncton did was he

315

00:13:57,520 --> 00:13:54,260

said so you have to follow this mate

316

00:13:59,260 --> 00:13:57,530

what might and did was he took your

317

00:14:01,030 --> 00:13:59,270

Andersons paper saying that there was a

318

00:14:03,460 --> 00:14:01,040

gain and ice in the interior of

319

00:14:05,260 --> 00:14:03,470

Greenland and said therefore Johansen

320

00:14:07,000 --> 00:14:05,270

concludes that Greenland is gaining ice

321

00:14:08,079 --> 00:14:07,010

which is not the conclusion of the paper

322

00:14:10,039 --> 00:14:08,089

at all

323

00:14:11,479 --> 00:14:10,049

selectively quoting its selectively

324

00:14:13,489 --> 00:14:11,489

quoting and then this effectively what

325

00:14:15,739 --> 00:14:13,499

he does he cherry-pick sand and he

326

00:14:17,720 --> 00:14:15,749

distorts and and and and it's so easy

327

00:14:20,329 --> 00:14:17,730

the great thing about what Moncton what

328

00:14:24,710 --> 00:14:20,339

I love about him mr. Monckton as I call

329

00:14:27,109 --> 00:14:24,720

him is that he he gives his sources

330

00:14:29,239 --> 00:14:27,119

which is fatal if you're going to try

331

00:14:30,679 --> 00:14:29,249

and discredit science never give your

332

00:14:32,479 --> 00:14:30,689

sources because then all we can do is

333

00:14:33,859 --> 00:14:32,489

look it up and look at it and say well

334

00:14:35,239 --> 00:14:33,869

if you're quoting this paper I'll tell

335

00:14:37,759 --> 00:14:35,249

you what the paper actually says

336

00:14:39,559 --> 00:14:37,769

although most people would give sources

337

00:14:40,549 --> 00:14:39,569

most people don't go bother looking just

338

00:14:41,809 --> 00:14:40,559

people like you they've got a lot of

339

00:14:43,309 --> 00:14:41,819

time on their hands obviously yeah

340

00:14:45,049 --> 00:14:43,319

that's right and that's unfortunately

341

00:14:47,960 --> 00:14:45,059

the case whether the great thing is but

342

00:14:50,239 --> 00:14:47,970

it is easy to debunk if you're a you

343

00:14:52,220 --> 00:14:50,249

know a debunker and you want to go check

344

00:14:53,869 --> 00:14:52,230

what if you want to go for simple of

345

00:14:55,189 --> 00:14:53,879

mistakes like the food babe has been

346

00:14:56,840 --> 00:14:55,199

doing recently where she's just been

347

00:15:01,699 --> 00:14:56,850

making stuff about the air on aeroplanes

348

00:15:03,079 --> 00:15:01,709

with no sources at all she's saying oh

349

00:15:04,999 --> 00:15:03,089

you know there's not a hundred percent

350

00:15:06,919 --> 00:15:05,009

oxygen on a plane like there is a ground

351

00:15:08,659 --> 00:15:06,929

level stuff like that I would not like

352

00:15:11,059 --> 00:15:08,669

that I mean what if someone lights up oh

353

00:15:12,949 --> 00:15:11,069

yeah well I mean one of the things about

354

00:15:15,259 --> 00:15:12,959

creation is is that they will never give

355

00:15:17,470 --> 00:15:15,269

a source except joven jóvenes fantastic

356

00:15:20,989 --> 00:15:17,480

because Eric not Eric Hovind his dad

357

00:15:22,609 --> 00:15:20,999

Kent Hovind will always give sources for

358

00:15:24,470 --> 00:15:22,619

his things and and and you can look at

359

00:15:27,949 --> 00:15:24,480

them and run my favorite one from Hovind

360

00:15:29,600 --> 00:15:27,959

is where he was talking about how the

361

00:15:31,549 --> 00:15:29,610

Big Bang Theory works and it says it

362

00:15:33,409 --> 00:15:31,559

starts with a little bit of dirt and it

363

00:15:35,900 --> 00:15:33,419

swirls around and around and then it

364

00:15:38,569 --> 00:15:35,910

condenses and then hydrogen to helium

365

00:15:40,249 --> 00:15:38,579

and and I thought no he's not describing

366

00:15:42,439 --> 00:15:40,259

and I looked at his source and his

367

00:15:44,449 --> 00:15:42,449

source was actually an exercise textbook

368

00:15:47,389 --> 00:15:44,459

from a school describing the birth of a

369

00:15:50,359 --> 00:15:47,399

star and once you know that you think

370

00:15:53,059 --> 00:15:50,369

this is like shooting ducks in a barrel

371

00:15:55,369 --> 00:15:53,069

it is so easy to knock these guys down

372

00:15:57,139 --> 00:15:55,379

and how easy is it to continually make

373

00:15:59,900 --> 00:15:57,149

the videos of you on your video channel

374

00:16:02,419 --> 00:15:59,910

because you're prolific yeah no I I'm

375

00:16:04,400 --> 00:16:02,429

kind of well actually my son is here

376

00:16:05,960 --> 00:16:04,410

today and he's one of the reasons why

377

00:16:08,539 --> 00:16:05,970

I'm going back to work now because he's

378

00:16:11,479 --> 00:16:08,549

old enough to fend for himself and my

379

00:16:13,669 --> 00:16:11,489

daughter is now 21 and while I was at

380

00:16:15,559 --> 00:16:13,679

home and and not working quite so much

381

00:16:16,999 --> 00:16:15,569

and I had time on my hands to do these

382

00:16:18,289 --> 00:16:17,009

things I've now gone back too late

383

00:16:18,920 --> 00:16:18,299

you're basically driven your son out of

384

00:16:20,300 --> 00:16:18,930

the house

385

00:16:23,360 --> 00:16:20,310

that's what you've done he's out he's

386

00:16:24,800 --> 00:16:23,370

out we've we've you know given him the

387

00:16:26,450 --> 00:16:24,810

keys to the car locked the front door

388

00:16:28,400 --> 00:16:26,460

and you can't go back in that's the way

389

00:16:30,380 --> 00:16:28,410

to do it you've got a you know it's like

390

00:16:33,829 --> 00:16:30,390

tearing off a band-aid a clean it was a

391

00:16:35,570 --> 00:16:33,839

second-hand Mazda what you get approach

392

00:16:36,800 --> 00:16:35,580

that's not too bad it's not too bad but

393

00:16:38,660 --> 00:16:36,810

you could have done a bit better maybe

394

00:16:39,860 --> 00:16:38,670

forget it

395

00:16:42,889 --> 00:16:39,870

giving him a better car he would have

396

00:16:44,660 --> 00:16:42,899

gone earlier he's still at home but he

397

00:16:46,430 --> 00:16:44,670

can fend for himself though and and

398

00:16:48,110 --> 00:16:46,440

that's the main thing and I I'm now I

399

00:16:49,579 --> 00:16:48,120

can go back to work happy knowing that

400

00:16:50,630 --> 00:16:49,589

we put the kids through the system and

401
00:16:53,210 --> 00:16:50,640
they're old enough now to fend for

402
00:16:54,980 --> 00:16:53,220
themselves what fires you up what right

403
00:16:56,740 --> 00:16:54,990
I've got to make a youtube video right

404
00:16:59,449 --> 00:16:56,750
now what normally makes you fired that

405
00:17:01,190 --> 00:16:59,459
there was one that came through the

406
00:17:03,410 --> 00:17:01,200
other someone sent me something now I

407
00:17:04,910 --> 00:17:03,420
get so many people sending me things and

408
00:17:06,650 --> 00:17:04,920
I really don't have time to look at

409
00:17:08,150 --> 00:17:06,660
everything unfortunately but this one I

410
00:17:11,240 --> 00:17:08,160
happened to click on because I had a few

411
00:17:13,220 --> 00:17:11,250
minutes to spare and it was someone

412
00:17:15,319 --> 00:17:13,230
called the two preachers who were saying

413
00:17:17,419 --> 00:17:15,329

that there's a sign at the end times

414

00:17:19,270 --> 00:17:17,429

because they noticed that just down the

415

00:17:22,340 --> 00:17:19,280

road from them there was a sinkhole and

416

00:17:24,919 --> 00:17:22,350

and they've noticed on YouTube a lot

417

00:17:26,630 --> 00:17:24,929

more sinkholes are showing up and this

418

00:17:28,100 --> 00:17:26,640

is clearly you know you never heard

419

00:17:31,580 --> 00:17:28,110

about these things happening a few years

420

00:17:33,470 --> 00:17:31,590

ago clearly this is a yeah may not

421

00:17:36,500 --> 00:17:33,480

making a face which is kind of like the

422

00:17:38,720 --> 00:17:36,510

face I made when it's like what there's

423

00:17:39,799 --> 00:17:38,730

been many famous sinkholes in in US

424

00:17:41,360 --> 00:17:39,809

harbors that they've had to shut

425

00:17:43,640 --> 00:17:41,370

mattresses into over the years you know

426

00:17:44,960 --> 00:17:43,650

yeah and in fact I went back and dug out

427

00:17:48,680 --> 00:17:44,970

from the scientific literature going

428

00:17:50,960 --> 00:17:48,690

back to 1868 the the references to

429

00:17:53,180 --> 00:17:50,970

sinkholes and they're not an unknown

430

00:17:54,980 --> 00:17:53,190

phenomenon so the fact that these guys

431

00:17:56,090 --> 00:17:54,990

have only just woken up to it and

432

00:17:57,290 --> 00:17:56,100

they've just heard about it and they

433

00:17:59,660 --> 00:17:57,300

admit what we've only just heard about

434

00:18:01,190 --> 00:17:59,670

these things must be a sign of the end

435

00:18:03,320 --> 00:18:01,200

times I thought this is great that's

436

00:18:06,799 --> 00:18:03,330

something that makes people really

437

00:18:08,780 --> 00:18:06,809

stupid look stupid I think is is just

438

00:18:10,970 --> 00:18:08,790

great I mean if I can put an element of

439

00:18:13,280 --> 00:18:10,980

humor I love to put humor into the the

440

00:18:14,690 --> 00:18:13,290

videos that I do well I mean oh is it

441

00:18:17,830 --> 00:18:14,700

completely wrong I mean the work of

442

00:18:21,500 --> 00:18:17,840

Taylor Swift is a sign of the end times

443

00:18:23,750 --> 00:18:21,510

she's a goddess I mean you know the new

444

00:18:25,610 --> 00:18:23,760

Mozart but getting getting back to your

445

00:18:27,620 --> 00:18:25,620

question so that's I kind of like cut

446

00:18:30,230 --> 00:18:27,630

down on the videos I did and and I I

447

00:18:32,290 --> 00:18:30,240

haven't made one now for six months the

448

00:18:35,660 --> 00:18:32,300

last one that I did

449

00:18:37,640 --> 00:18:35,670

is the first one I've done in quite a

450

00:18:39,860 --> 00:18:37,650

while it was called how to argue with

451

00:18:41,360 --> 00:18:39,870

our souls and now what's the name of

452

00:18:43,970 --> 00:18:41,370

your channel how do we find it okay it's

453

00:18:46,280 --> 00:18:43,980

called potholder 54 just just put

454

00:18:48,320 --> 00:18:46,290

potholder 54 into the search engine in

455

00:18:50,090 --> 00:18:48,330

YouTube and you should find me and we

456

00:18:51,350 --> 00:18:50,100

should always be have our critical

457

00:18:52,970 --> 00:18:51,360

thinking hats on whenever we were

458

00:18:55,100 --> 00:18:52,980

watching reading or listening to any

459

00:18:57,800 --> 00:18:55,110

media shouldn't we oh absolutely yeah

460

00:18:59,090 --> 00:18:57,810

and especially if someone is saying

461

00:19:00,560 --> 00:18:59,100

something that is completely out of

462

00:19:02,810 --> 00:19:00,570

character because the examples they gave

463

00:19:03,830 --> 00:19:02,820

my speech today with scientists who were

464

00:19:05,990 --> 00:19:03,840

saying something that was completely

465

00:19:08,720 --> 00:19:06,000

different to what they have said before

466

00:19:10,040 --> 00:19:08,730

and since and and when you hear that you

467

00:19:12,230 --> 00:19:10,050

think well hang on a minute how do they

468

00:19:14,000 --> 00:19:12,240

get these guys to say that and now you

469

00:19:15,770 --> 00:19:14,010

can look at the television technique the

470

00:19:17,750 --> 00:19:15,780

cutaway technique that's used in order

471

00:19:19,070 --> 00:19:17,760

to make them say that and I hope that'll

472

00:19:19,790 --> 00:19:19,080

make people a little bit more aware of

473

00:19:21,140 --> 00:19:19,800

how that's done

474

00:19:22,520 --> 00:19:21,150

what do you think of the house style

475

00:19:24,260 --> 00:19:22,530

that I've seen a few times I mentioned

476

00:19:25,790 --> 00:19:24,270

the white flash that MTV first kind of

477

00:19:28,400 --> 00:19:25,800

started with you've actually now seeing

478

00:19:29,660 --> 00:19:28,410

jump cuts on Discovery Channel and thing

479

00:19:31,730 --> 00:19:29,670

like that they're actually showing jump

480

00:19:35,720 --> 00:19:31,740

cuts how do you feel about them being as

481

00:19:37,820 --> 00:19:35,730

honest as that yeah it's more honest I

482

00:19:40,660 --> 00:19:37,830

guess than the cutaway but the the

483

00:19:43,220 --> 00:19:40,670

Hancock film that I referenced so if

484

00:19:45,680 --> 00:19:43,230

people weren't watching my my speech

485

00:19:47,630 --> 00:19:45,690

this was the question for a lost

486

00:19:49,370 --> 00:19:47,640

civilization by Graham Hancock it's

487

00:19:51,290 --> 00:19:49,380

about 20 years old but it is on YouTube

488

00:19:53,920 --> 00:19:51,300

and the one that I was looking at was

489

00:19:56,330 --> 00:19:53,930

the on a Gooney monument in in Japan and

490

00:19:58,070 --> 00:19:56,340

throughout the dive where these

491

00:20:00,200 --> 00:19:58,080

scientists are diving into the water

492

00:20:02,150 --> 00:20:00,210

they aren't jumping from one quote to

493

00:20:03,950 --> 00:20:02,160

another quote a frame here a frame layer

494

00:20:06,140 --> 00:20:03,960

and they're getting error little bits

495

00:20:08,000 --> 00:20:06,150

which they put together but I think the

496

00:20:09,530 --> 00:20:08,010

thing is that you Pro even that even

497

00:20:11,450 --> 00:20:09,540

though there's no cutaway they're making

498

00:20:14,090 --> 00:20:11,460

a coherent quote or apparently a

499

00:20:16,160 --> 00:20:14,100

coherent quote it can still be deceptive

500

00:20:17,900 --> 00:20:16,170

there was actually a bit where Robert

501
00:20:20,240 --> 00:20:17,910
Schoch was coming out of the water and

502
00:20:24,020 --> 00:20:20,250
he said he was gushing about this well

503
00:20:25,670 --> 00:20:24,030
this looks incredible and I said to him

504
00:20:27,350 --> 00:20:25,680
now just at that point they seem to have

505
00:20:29,690 --> 00:20:27,360
cut the film you went on to say

506
00:20:31,330 --> 00:20:29,700
something and he did he said he went on

507
00:20:34,280 --> 00:20:31,340
to say but I don't think this is a

508
00:20:35,720 --> 00:20:34,290
man-made feature they cut that this is

509
00:20:38,060 --> 00:20:35,730
incredible and then they go to Graham

510
00:20:39,530 --> 00:20:38,070
Hancock saying what's more incredible is

511
00:20:40,640 --> 00:20:39,540
and and and and of course the whole

512
00:20:42,410 --> 00:20:40,650
thing makes you think that these

513
00:20:44,440 --> 00:20:42,420

scientists are endorsing what Hancock

514

00:20:46,030 --> 00:20:44,450

says and in fact they didn't they do

515

00:20:47,440 --> 00:20:46,040

in Dorset at all and of course you

516

00:20:48,640 --> 00:20:47,450

shouldn't be more suspicious of one

517

00:20:50,170 --> 00:20:48,650

source than another you should be

518

00:20:51,820 --> 00:20:50,180

careful with all sources shouldn't you

519

00:20:52,120 --> 00:20:51,830

not just like the right-wing leaning

520

00:20:55,180 --> 00:20:52,130

ones

521

00:20:56,140 --> 00:20:55,190

Oh God yet I don't I don't put politics

522

00:20:58,450 --> 00:20:56,150

into this at all

523

00:21:00,250 --> 00:20:58,460

I I mean I find it rather insulting to

524

00:21:04,270 --> 00:21:00,260

think that conservatives have a monopoly

525

00:21:07,270 --> 00:21:04,280

on stupidity I I mean I've I've actually

526

00:21:08,860 --> 00:21:07,280

been very critical in my videos of al

527

00:21:12,400 --> 00:21:08,870

jazeera for example that once did a

528

00:21:14,230 --> 00:21:12,410

story I mean I'm not anti I'm not pro

529

00:21:15,580 --> 00:21:14,240

climate science or anti climate science

530

00:21:17,530 --> 00:21:15,590

that's not the point the point is

531

00:21:19,960 --> 00:21:17,540

accuracy and there was an Al Jazeera

532

00:21:21,850 --> 00:21:19,970

program where they had a reporter wading

533

00:21:24,340 --> 00:21:21,860

through the water of a an island off the

534

00:21:25,960 --> 00:21:24,350

coast of Panama saying the fishermen

535

00:21:27,820 --> 00:21:25,970

here say the water used to be down at my

536

00:21:29,260 --> 00:21:27,830

ankles 20 years ago now it's up to my

537

00:21:30,730 --> 00:21:29,270

waist this is a clear sign that sea

538

00:21:33,040 --> 00:21:30,740

levels are rising and I thought hang on

539

00:21:34,930 --> 00:21:33,050

a minute that's like a meter we're have

540

00:21:36,460 --> 00:21:34,940

sea levels been rising a metre we're

541

00:21:39,220 --> 00:21:36,470

measuring them in terms of millimeters

542

00:21:41,020 --> 00:21:39,230

every year so I checked where she had

543

00:21:44,170 --> 00:21:41,030

been and it was an island off the coast

544

00:21:46,630 --> 00:21:44,180

of Panama which is on a small crust all

545

00:21:49,030 --> 00:21:46,640

played very small one and it's sinking

546

00:21:50,650 --> 00:21:49,040

and clearly what's happening is it's not

547

00:21:53,290 --> 00:21:50,660

the sea levels rising but the land is

548

00:21:55,870 --> 00:21:53,300

sinking ironically she spoke to the very

549

00:21:57,310 --> 00:21:55,880

scientist who wrote a paper which talked

550

00:21:58,990 --> 00:21:57,320

about this and for some reason she

551

00:22:00,250 --> 00:21:59,000

either didn't ask him the question or

552

00:22:02,890 --> 00:22:00,260

they didn't have it in when the answer

553

00:22:05,010 --> 00:22:02,900

that that's the cause this is not a sea

554

00:22:07,930 --> 00:22:05,020

level so she had this gushing report on

555

00:22:09,820 --> 00:22:07,940

sea level rise and how awful it was due

556

00:22:11,740 --> 00:22:09,830

to climate change and it's completely

557

00:22:14,380 --> 00:22:11,750

inaccurate and and I always say to

558

00:22:15,640 --> 00:22:14,390

people who are in you know accepting the

559

00:22:18,400 --> 00:22:15,650

science on climate change don't

560

00:22:20,170 --> 00:22:18,410

exaggerate it don't lie about it don't

561

00:22:22,360 --> 00:22:20,180

try and make it worse than it is because

562

00:22:23,350 --> 00:22:22,370

if you do that if you're caught out then

563

00:22:25,210 --> 00:22:23,360

they're going to think the whole thing

564

00:22:27,460 --> 00:22:25,220

is discredited so you have to be

565

00:22:29,830 --> 00:22:27,470

accurate and whatever you do is there a

566

00:22:32,860 --> 00:22:29,840

website that tracks this kind of thing

567

00:22:36,040 --> 00:22:32,870

generally or not oh look my YouTube

568

00:22:39,790 --> 00:22:36,050

channel is the very best way to I I

569

00:22:42,040 --> 00:22:39,800

think I've done now 24 25 oh no it's up

570

00:22:44,710 --> 00:22:42,050

to 27 now videos on climate science and

571

00:22:46,540 --> 00:22:44,720

every single one is looking apart from

572

00:22:47,950 --> 00:22:46,550

the ones that deal specifically with the

573

00:22:50,140 --> 00:22:47,960

science they're about three videos which

574

00:22:52,300 --> 00:22:50,150

just look at the science the evidence

575

00:22:54,340 --> 00:22:52,310

for climate change all of the rest of

576

00:22:55,810 --> 00:22:54,350

they are basically looking at the myths

577

00:22:57,430 --> 00:22:55,820

that are going around the internet that

578

00:23:01,180 --> 00:22:57,440

people send me or the ones that

579

00:23:03,100 --> 00:23:01,190

I find and but debunking them you know

580

00:23:05,289 --> 00:23:03,110

the latest one is that old global

581

00:23:09,340 --> 00:23:05,299

warming stopped in 1998 there's another

582

00:23:11,320 --> 00:23:09,350

one that says scientists in the 1960s

583

00:23:13,029 --> 00:23:11,330

and 70s were predicting an ice age and

584

00:23:14,830 --> 00:23:13,039

the other one I like is there's no

585

00:23:16,810 --> 00:23:14,840

correlation over the last 500 years

586

00:23:18,519 --> 00:23:16,820

million years there was the one that got

587

00:23:20,019 --> 00:23:18,529

me is because I remember yes in Time

588

00:23:21,879 --> 00:23:20,029

magazine they're predicting an ice age

589

00:23:24,009 --> 00:23:21,889

there and then they were not not right

590

00:23:25,779 --> 00:23:24,019

at all what went wrong there well what

591

00:23:29,379 --> 00:23:25,789

went wrong there is what went wrong with

592

00:23:31,889 --> 00:23:29,389

the media I I you know you can't look at

593

00:23:34,749 --> 00:23:31,899

the media and say this is scientific

594

00:23:36,100 --> 00:23:34,759

Time magazine magazine it must be true

595

00:23:38,350 --> 00:23:36,110

well actually Penn & Teller did

596

00:23:40,480 --> 00:23:38,360

something on this and Penn I said it's

597

00:23:42,129 --> 00:23:40,490

in Time magazine to him it must be true

598

00:23:45,249 --> 00:23:42,139

and and of course the trouble is that

599

00:23:47,110 --> 00:23:45,259

the media do get science hopelessly

600

00:23:49,060 --> 00:23:47,120

wrong the last talk I did for the

601
00:23:52,990 --> 00:23:49,070
skeptics was on that very subject it was

602
00:23:54,159 --> 00:23:53,000
on the the really bad science reporting

603
00:23:55,840 --> 00:23:54,169
that's going on because a lot of

604
00:23:57,909 --> 00:23:55,850
newspapers and magazines don't have

605
00:23:59,799 --> 00:23:57,919
science reporters the al-jazeera story

606
00:24:02,200 --> 00:23:59,809
which I just mentioned was actually

607
00:24:03,460 --> 00:24:02,210
their environment reporter and you see

608
00:24:04,810 --> 00:24:03,470
if you look at something from the point

609
00:24:06,820 --> 00:24:04,820
of view of the environment rather than

610
00:24:08,649 --> 00:24:06,830
science you're usually getting someone

611
00:24:10,240 --> 00:24:08,659
who's doing a gushing human interest

612
00:24:12,190 --> 00:24:10,250
story in these poor people whose

613
00:24:14,230 --> 00:24:12,200

environment is being destroyed rather

614

00:24:16,180 --> 00:24:14,240

than looking at the science of it and

615

00:24:19,749 --> 00:24:16,190

why is this happening and what's causing

616

00:24:21,789 --> 00:24:19,759

it so yeah I mean the media certainly

617

00:24:24,789 --> 00:24:21,799

were reporting an ice age in the 60s and

618

00:24:26,860 --> 00:24:24,799

70s but a survey that was done of the

619

00:24:31,899 --> 00:24:26,870

scientific papers at the time found the

620

00:24:33,879 --> 00:24:31,909

vast majority were expecting warming and

621

00:24:35,950 --> 00:24:33,889

the reason that there was cooling at

622

00:24:38,320 --> 00:24:35,960

that time was because of the pollution

623

00:24:39,850 --> 00:24:38,330

and they were new pollution laws came

624

00:24:41,889 --> 00:24:39,860

into the 70s and in fact a couple of

625

00:24:43,570 --> 00:24:41,899

papers did actually point out once these

626
00:24:45,519 --> 00:24:43,580
new pollution laws come into effect and

627
00:24:48,159 --> 00:24:45,529
aerosols are reduced because aerosols of

628
00:24:49,869 --> 00:24:48,169
course do mask global warming as I doing

629
00:24:52,659 --> 00:24:49,879
now with all the aerosols produced by

630
00:24:54,789 --> 00:24:52,669
China then we predict that warming is

631
00:24:57,129 --> 00:24:54,799
going to continue and indeed it did and

632
00:25:00,119 --> 00:24:57,139
so the predictions of the scientists in

633
00:25:02,919 --> 00:25:00,129
the 50s and 60s were absolutely spot-on

634
00:25:04,869 --> 00:25:02,929
people get very hung up on what the

635
00:25:06,720 --> 00:25:04,879
media says and I always have to warn

636
00:25:09,039 --> 00:25:06,730
them whatever you see in a newspaper

637
00:25:10,749 --> 00:25:09,049
check the source if they quote a

638
00:25:12,639 --> 00:25:10,759

scientist go to that scientist

639

00:25:15,069 --> 00:25:12,649

find out what he's published read the

640

00:25:16,509 --> 00:25:15,079

paper that he's published if you can or

641

00:25:18,279 --> 00:25:16,519

at least the abstract and see if it

642

00:25:20,079 --> 00:25:18,289

actually fits in with what the

643

00:25:21,819 --> 00:25:20,089

newspapers said and make sure the

644

00:25:23,859 --> 00:25:21,829

newspaper is not cherry-picking make

645

00:25:27,249 --> 00:25:23,869

sure the paper hasn't been withdrawn or

646

00:25:28,659 --> 00:25:27,259

has been commented on there are there

647

00:25:30,430 --> 00:25:28,669

are various ways of reading the

648

00:25:32,379 --> 00:25:30,440

scientific literature a great way by the

649

00:25:34,779 --> 00:25:32,389

way is to read reviews because papers

650

00:25:36,789 --> 00:25:34,789

can either be Studies on a specific

651
00:25:38,979 --> 00:25:36,799
thing or you can write a paper which is

652
00:25:40,569 --> 00:25:38,989
reviewing the literature in a certain

653
00:25:42,849 --> 00:25:40,579
field and that's a great way for science

654
00:25:44,619 --> 00:25:42,859
journalists like me to operate is to

655
00:25:47,079 --> 00:25:44,629
look at the reviews first to get a

656
00:25:48,999 --> 00:25:47,089
handle on who's writing what and and

657
00:25:50,109 --> 00:25:49,009
what the outcome is so you pretty much

658
00:25:51,129 --> 00:25:50,119
you're saying wherever you're going

659
00:25:52,329 --> 00:25:51,139
whatever you're reading take your

660
00:25:54,789 --> 00:25:52,339
critical thinking with you absolutely

661
00:25:56,469 --> 00:25:54,799
yes and and I I think we should be

662
00:25:57,639 --> 00:25:56,479
teaching critical thinking in schools a

663
00:26:00,819 --> 00:25:57,649

lot more than we do

664

00:26:02,589 --> 00:26:00,829

I mean you know it's great to be talking

665

00:26:04,479 --> 00:26:02,599

today to kindred spirits among the

666

00:26:06,389 --> 00:26:04,489

skeptics here you know you know you're

667

00:26:09,129 --> 00:26:06,399

talking to an audience that gets it and

668

00:26:12,009 --> 00:26:09,139

that was why you know I really enjoyed

669

00:26:14,349 --> 00:26:12,019

speaking here but of course the vast

670

00:26:16,389 --> 00:26:14,359

majority of people are not into that

671

00:26:18,689 --> 00:26:16,399

kind of thing and they are happy to let

672

00:26:20,649 --> 00:26:18,699

the television wash over them and just

673

00:26:22,869 --> 00:26:20,659

accept whatever they think it's saying

674

00:26:25,959 --> 00:26:22,879

it's very a passive way of thinking and

675

00:26:27,669 --> 00:26:25,969

I think we need to create active ways of

676

00:26:30,339 --> 00:26:27,679

thinking and you can do that to yourself

677

00:26:31,659 --> 00:26:30,349

by going to potholder 54 out seeing what

678

00:26:33,759 --> 00:26:31,669

you've done they're exposing these

679

00:26:35,499 --> 00:26:33,769

techniques people always ask me why is

680

00:26:37,899 --> 00:26:35,509

it potholer well Pato Lee used to be my

681

00:26:39,549 --> 00:26:37,909

nickname when I when I worked in in in

682

00:26:41,529 --> 00:26:39,559

an office in London the only time I've

683

00:26:45,639 --> 00:26:41,539

ever worked in an office and what you

684

00:26:48,969 --> 00:26:45,649

were downstairs in a booth like the IT

685

00:26:51,489 --> 00:26:48,979

Crowd no I I'm an I I majored in geology

686

00:26:53,619 --> 00:26:51,499

so so everybody when they heard I did

687

00:26:55,059 --> 00:26:53,629

geology they thought this had something

688

00:26:56,829 --> 00:26:55,069

to do about crawling underground in

689

00:26:59,019 --> 00:26:56,839

rocks so I got the nickname potholder

690

00:27:01,479 --> 00:26:59,029

okay well since term is mister geologist

691

00:27:06,399 --> 00:27:01,489

what's your favorite rock then favorite

692

00:27:09,279 --> 00:27:06,409

rock tonight it's a beautiful color it's

693

00:27:12,219 --> 00:27:09,289

is just lovely stuff and it this is its

694

00:27:13,899 --> 00:27:12,229

form deep under the earth and it's it

695

00:27:16,809 --> 00:27:13,909

comes up this lovely sort of greenish

696

00:27:17,829 --> 00:27:16,819

color now having said that I said I bet

697

00:27:19,329 --> 00:27:17,839

someone's going to read this and say

698

00:27:20,589 --> 00:27:19,339

hang on a minute I just looked that up

699

00:27:23,319 --> 00:27:20,599

and the Internet it's not green at all

700

00:27:24,250 --> 00:27:23,329

look I'm going back a long way I I did

701
00:27:26,830 --> 00:27:24,260
my degree in this

702
00:27:28,780 --> 00:27:26,840
so a lot of rocks have changed since

703
00:27:30,909 --> 00:27:28,790
then a lot of them have melted and

704
00:27:32,440 --> 00:27:30,919
reformed so who knows it might be a

705
00:27:50,900 --> 00:27:32,450
different color now thank you hey there

706
00:27:56,730 --> 00:27:53,909
Pangos is hello an ally Dawson to her

707
00:27:58,320 --> 00:27:56,740
that the skeptics own podcasts roasted

708
00:28:00,390 --> 00:27:58,330
here does his oven da jman and in

709
00:28:01,230 --> 00:28:00,400
skeptic a fervent gift the vital

710
00:28:03,320 --> 00:28:01,240
information

711
00:28:07,770 --> 00:28:03,330
Oberon's on the skeptic a magazine

712
00:28:11,909 --> 00:28:07,780
preserved vvv point and gave a loop a

713
00:28:15,330 --> 00:28:11,919

punk talk each vida holla vvv won't give

714

00:28:23,900 --> 00:28:15,340

a rupee Potok old owner of it's a on

715

00:28:29,820 --> 00:28:26,340

the skeptic zone is brought to you by

716

00:28:33,120 --> 00:28:29,830

dr. Bob's trivia quiz visit dr. Bob's

717

00:28:41,610 --> 00:28:33,130

quiz dot wordpress.com and see if you

718

00:28:45,750 --> 00:28:41,620

can match wits with dr. Bob what we want

719

00:28:50,020 --> 00:28:45,760

is some more evidence please is Joe

720

00:28:50,030 --> 00:28:55,920

hello this is Joe alabaster

721

00:29:01,780 --> 00:28:59,020

well today I'm reporting from under a

722

00:29:03,610 --> 00:29:01,790

Juna there's a thunderstorm happening

723

00:29:05,020 --> 00:29:03,620

around me here in the Blue Mountains and

724

00:29:08,320 --> 00:29:05,030

it doesn't seem to be letting up anytime

725

00:29:10,780 --> 00:29:08,330

soon I'm not under here because I'm cold

726

00:29:13,360 --> 00:29:10,790

or afraid I'm attempting some makeshift

727

00:29:15,520 --> 00:29:13,370

soundproofing so if you hear any thunder

728

00:29:17,590 --> 00:29:15,530

during this report I do apologize and

729

00:29:19,810 --> 00:29:17,600

hope that at times itself for dramatic

730

00:29:22,420 --> 00:29:19,820

effect much to the delight of his

731

00:29:25,260 --> 00:29:22,430

unashamedly geeky parents my son Oscar

732

00:29:27,850 --> 00:29:25,270

is rather enthusiastic about science

733

00:29:29,440 --> 00:29:27,860

while at 5 years of age he's fairly

734

00:29:31,810 --> 00:29:29,450

certain that he's settled on a career in

735

00:29:34,120 --> 00:29:31,820

paleontology he hasn't yet ruled out

736

00:29:35,740 --> 00:29:34,130

other Sciences so we're more than happy

737

00:29:38,530 --> 00:29:35,750

to give him access to microscopes

738

00:29:40,530 --> 00:29:38,540

telescopes do kitchen based chemistry

739

00:29:42,910 --> 00:29:40,540

experiments and physics at bath time

740

00:29:44,440 --> 00:29:42,920

alongside the occasional trip to hunt

741

00:29:48,340 --> 00:29:44,450

for fossils or visit a Natural History

742

00:29:50,980 --> 00:29:48,350

Museum a geeky parenting is an absolute

743

00:29:52,570 --> 00:29:50,990

joy indulging the kids curiosity about

744

00:29:54,820 --> 00:29:52,580

the world around them seeing what

745

00:29:57,340 --> 00:29:54,830

hypotheses they come up with to explain

746

00:29:59,190 --> 00:29:57,350

their experiences suggesting ways that

747

00:30:01,870 --> 00:29:59,200

they can find our information in

748

00:30:04,180 --> 00:30:01,880

addition to plenty of hands-on exploring

749

00:30:06,910 --> 00:30:04,190

and experimenting with your YouTube

750

00:30:09,850 --> 00:30:06,920

videos do image searches with Safe

751

00:30:13,330 --> 00:30:09,860

Search on and look through books for

752

00:30:16,240 --> 00:30:13,340

information and ideas so for Christmas

753

00:30:18,460 --> 00:30:16,250

alongside LEGO Minecraft toys Oscar

754

00:30:21,760 --> 00:30:18,470

saved a few books a couple of them

755

00:30:25,150 --> 00:30:21,770

science related one magnet science

756

00:30:27,420 --> 00:30:25,160

seemed rather nifty and engaging it

757

00:30:29,800 --> 00:30:27,430

contained a selection of magnets a

758

00:30:32,440 --> 00:30:29,810

mercifully sealed container of iron

759

00:30:34,270 --> 00:30:32,450

filings and a series of experiments to

760

00:30:36,550 --> 00:30:34,280

perform reminiscent of the sorts of

761

00:30:39,670 --> 00:30:36,560

projects I grew up with on the Curiosity

762

00:30:42,130 --> 00:30:39,680

show make a fishing game make a compass

763

00:30:44,500 --> 00:30:42,140

construct an electromagnet under

764

00:30:46,540 --> 00:30:44,510

parental supervision all with brief

765

00:30:49,170 --> 00:30:46,550

explanations of the science behind what

766

00:30:52,450 --> 00:30:49,180

was occurring fantastic

767

00:30:57,900 --> 00:30:52,460

until I spotted the last page titled

768

00:31:00,220 --> 00:30:57,910

facts and feats quote magnet medicine

769

00:31:03,000 --> 00:31:00,230

magnetic therapy is an alternative

770

00:31:05,680 --> 00:31:03,010

medicine practice using magnetic fields

771

00:31:08,140 --> 00:31:05,690

no one knows for definite how it works

772

00:31:09,610 --> 00:31:08,150

but supporters of the therapy believe it

773

00:31:11,710 --> 00:31:09,620

helps to restore health by

774

00:31:13,990 --> 00:31:11,720

improving circulation as the magnets

775

00:31:15,850 --> 00:31:14,000

attract the iron in the blood increasing

776

00:31:19,270 --> 00:31:15,860

the supply of oxygen to the source of

777

00:31:21,670 --> 00:31:19,280

the pain others say the magnets reduce

778

00:31:22,630 --> 00:31:21,680

the negative energy in the body end

779

00:31:27,310 --> 00:31:22,640

quote

780

00:31:28,060 --> 00:31:27,320

oh boy no one knows for definite how it

781

00:31:32,710 --> 00:31:28,070

works

782

00:31:36,130 --> 00:31:32,720

shown a mechanism by which it can work

783

00:31:37,810 --> 00:31:36,140

other than the placebo effect the

784

00:31:39,400 --> 00:31:37,820

supporters of the therapy who believe

785

00:31:41,320 --> 00:31:39,410

that magnets attract the iron in the

786

00:31:43,930 --> 00:31:41,330

blood they're wrong

787

00:31:46,990 --> 00:31:43,940

iron bound to hemoglobin is no longer

788

00:31:48,730 --> 00:31:47,000

ferromagnetic which is a good thing else

789

00:31:50,980 --> 00:31:48,740

we'd be hemorrhaging frequently as we

790

00:31:54,669 --> 00:31:50,990

walk around our homes and we'd literally

791

00:31:56,950 --> 00:31:54,679

explode when undergoing an MRI scan as

792

00:31:59,020 --> 00:31:56,960

for others saying that magnets reduced

793

00:32:00,370 --> 00:31:59,030

the negative energy in the body you

794

00:32:03,280 --> 00:32:00,380

can't get much more meaningless than

795

00:32:07,419 --> 00:32:03,290

that negative energy is a vague concept

796

00:32:09,370 --> 00:32:07,429

supported by the anger - others say as

797

00:32:11,590 --> 00:32:09,380

for others saying that magnets reduce

798

00:32:12,910 --> 00:32:11,600

the negative energy in the body you

799

00:32:15,970 --> 00:32:12,920

can't get much more meaningless than

800

00:32:18,730 --> 00:32:15,980

that negative energy is a vague concept

801
00:32:22,840 --> 00:32:18,740
and supported by the anecdotal others

802
00:32:26,200 --> 00:32:22,850
say these are empty words why is this in

803
00:32:28,450 --> 00:32:26,210
my child's book on science this is not

804
00:32:30,490 --> 00:32:28,460
scientific at all the claim is pseudo

805
00:32:34,000 --> 00:32:30,500
scientific and it's presentation is

806
00:32:35,830 --> 00:32:34,010
incredibly uncritical furthermore merely

807
00:32:37,660 --> 00:32:35,840
googling magnetic therapy returns

808
00:32:41,020 --> 00:32:37,670
several pages explaining that magnet

809
00:32:43,060 --> 00:32:41,030
therapy is a pseudoscience and utterly

810
00:32:45,070 --> 00:32:43,070
dumbfounded as to how on earth and

811
00:32:47,140 --> 00:32:45,080
author who did so well designing and

812
00:32:50,140 --> 00:32:47,150
explaining experiments over the previous

813
00:32:51,940 --> 00:32:50,150

47 pages of this book and they managed

814

00:32:54,010 --> 00:32:51,950

to write about electromagnetism in a

815

00:32:56,080 --> 00:32:54,020

manner appropriate for children could

816

00:32:59,049 --> 00:32:56,090

get it so very wrong on the last page

817

00:33:01,000 --> 00:32:59,059

and it isn't as though there is a short

818

00:33:03,940 --> 00:33:01,010

supply of legitimate facts and feats

819

00:33:06,760 --> 00:33:03,950

relating to magnets the second paragraph

820

00:33:08,860 --> 00:33:06,770

on the page is an excellent example it

821

00:33:12,700 --> 00:33:08,870

discusses the speeds reached by a maglev

822

00:33:18,120 --> 00:33:12,710

train now that's fascinating and it's

823

00:33:22,980 --> 00:33:18,130

real the third paragraph though quote

824

00:33:25,049 --> 00:33:22,990

human magnet oral rail new from

825

00:33:28,080 --> 00:33:25,059

Rumania set the world record for being

826

00:33:30,779 --> 00:33:28,090

the strongest human magnet magnetic

827

00:33:34,019 --> 00:33:30,789

objects including televisions spoons and

828

00:33:36,360 --> 00:33:34,029

ions stick to his skin he doesn't know

829

00:33:38,430 --> 00:33:36,370

how he does it but he says he focuses

830

00:33:41,159 --> 00:33:38,440

his mind and releases the feeling of

831

00:33:45,919 --> 00:33:41,169

magnetic attraction which makes even the

832

00:33:50,460 --> 00:33:45,929

heaviest objects stick to him end quote

833

00:33:53,549 --> 00:33:50,470

human magnets have you ever seen a child

834

00:33:55,409 --> 00:33:53,559

stick a spoon to their nose it's a cute

835

00:33:57,060 --> 00:33:55,419

little parlor trick utilizing the angle

836

00:33:59,100 --> 00:33:57,070

of the nose the hairlessness and

837

00:34:00,510 --> 00:33:59,110

smoothness of the skin and some moisture

838

00:34:02,460 --> 00:34:00,520

from breath or a little

839

00:34:04,500 --> 00:34:02,470

naturally-occurring sebum to reduce

840

00:34:07,680 --> 00:34:04,510

friction to make it appear that the

841

00:34:10,409 --> 00:34:07,690

spoon is stuck to the nose people

842

00:34:12,180 --> 00:34:10,419

practicing human magnetism oftentimes

843

00:34:14,909 --> 00:34:12,190

claim to be a mystical or mysterious

844

00:34:16,649 --> 00:34:14,919

power are very likely using the same

845

00:34:18,750 --> 00:34:16,659

tricks as the child with a spoon on

846

00:34:22,230 --> 00:34:18,760

their nose to balance objects on their

847

00:34:24,750 --> 00:34:22,240

faces and bodies objects always with a

848

00:34:27,329 --> 00:34:24,760

smooth surface are often placed against

849

00:34:29,550 --> 00:34:27,339

the upper chest upper arms upper back at

850

00:34:32,760 --> 00:34:29,560

the top of a slightly protruding belly

851
00:34:34,320 --> 00:34:32,770
or on the face or body surfaces which

852
00:34:35,599 --> 00:34:34,330
are not quite perpendicular to the

853
00:34:37,950 --> 00:34:35,609
ground

854
00:34:40,589 --> 00:34:37,960
human magnets tend to have hairless

855
00:34:43,230 --> 00:34:40,599
smooth skin which combined with everyday

856
00:34:47,040 --> 00:34:43,240
skin secretions create a surface which

857
00:34:49,530 --> 00:34:47,050
is non slippery skin elasticity also

858
00:34:51,599 --> 00:34:49,540
plays a part our skin tends to conform

859
00:34:54,530 --> 00:34:51,609
somewhat to surfaces against which it is

860
00:34:57,150 --> 00:34:54,540
pressed particularly when forces applied

861
00:34:59,010 --> 00:34:57,160
now out of vanity I'm hesitant to

862
00:35:01,800 --> 00:34:59,020
describe the ideal skin for human

863
00:35:03,630 --> 00:35:01,810

magnetism tricks as being oily but I do

864

00:35:05,160 --> 00:35:03,640

seem to be able to attach more pieces of

865

00:35:07,710 --> 00:35:05,170

cutlery to myself when I haven't

866

00:35:09,599 --> 00:35:07,720

showered for a few hours if you want to

867

00:35:13,470 --> 00:35:09,609

see a photo of my efforts there's one on

868

00:35:15,120 --> 00:35:13,480

my blog at evidence please donate there

869

00:35:17,730 --> 00:35:15,130

are some simple tests to check whether

870

00:35:20,609 --> 00:35:17,740

magnetism rather than balance smoothness

871

00:35:22,290 --> 00:35:20,619

and skin secretions is causing objects

872

00:35:25,859 --> 00:35:22,300

to apparently stick to somebody who

873

00:35:28,200 --> 00:35:25,869

claims to be a human magnet suggested by

874

00:35:31,650 --> 00:35:28,210

our friend James Randi a sprinkling of

875

00:35:33,510 --> 00:35:31,660

talcum powder over the skin this reduces

876

00:35:36,290 --> 00:35:33,520

the friction and stickiness of the skin

877

00:35:38,750 --> 00:35:36,300

generally causing items to slip

878

00:35:41,930 --> 00:35:38,760

Benjamin Radford suggests a light coat

879

00:35:44,090 --> 00:35:41,940

of oil thin clothing or a thin layer of

880

00:35:46,370 --> 00:35:44,100

plastic should also show that magnetism

881

00:35:48,590 --> 00:35:46,380

isn't the cause of the object sticking a

882

00:35:52,430 --> 00:35:48,600

surely a magnetic force ought to be able

883

00:35:54,530 --> 00:35:52,440

to penetrate these materials no human

884

00:35:57,140 --> 00:35:54,540

magnet has ever been tested and shown to

885

00:35:58,960 --> 00:35:57,150

emit a magnetic field which has produced

886

00:36:01,670 --> 00:35:58,970

significant readings from a Gauss meter

887

00:36:03,350 --> 00:36:01,680

nor is the more simple test involving

888

00:36:06,070 --> 00:36:03,360

holding a compass near a human magnet

889

00:36:08,870 --> 00:36:06,080

showing evidence of a magnetic field

890

00:36:11,060 --> 00:36:08,880

given that some human magnets claim also

891

00:36:13,400 --> 00:36:11,070

to be able to attract glass and ceramic

892

00:36:15,920 --> 00:36:13,410

objects with smooth surfaces

893

00:36:18,020 --> 00:36:15,930

unsurprisingly it is possible that the

894

00:36:19,610 --> 00:36:18,030

claimed magnetism is some force of

895

00:36:21,920 --> 00:36:19,620

attraction other than the magnetism

896

00:36:24,740 --> 00:36:21,930

we're familiar with in which case

897

00:36:26,600 --> 00:36:24,750

magnetism is a term rendered as vague as

898

00:36:29,180 --> 00:36:26,610

the word energy used in similar

899

00:36:31,730 --> 00:36:29,190

circumstances and the story of oral

900

00:36:35,510 --> 00:36:31,740

revenue has even less reason to appear

901
00:36:37,400 --> 00:36:35,520
in the magnet science book and yet

902
00:36:39,860 --> 00:36:37,410
despite how simple it is to debunk their

903
00:36:42,200 --> 00:36:39,870
claims human magnets still make the news

904
00:36:44,360 --> 00:36:42,210
every few years a boy covered in spoons

905
00:36:46,880 --> 00:36:44,370
a woman with coin stuck to her face and

906
00:36:48,710 --> 00:36:46,890
overall revenue purported world-record

907
00:36:51,350 --> 00:36:48,720
holder with his irons and his television

908
00:36:53,180 --> 00:36:51,360
I can only guess that the media who

909
00:36:54,980 --> 00:36:53,190
report on human magnets feel that a

910
00:36:56,690 --> 00:36:54,990
fantastic Serling story is more

911
00:36:59,180 --> 00:36:56,700
interesting than the simple trick that's

912
00:37:02,840 --> 00:36:59,190
being performed and they may well be

913
00:37:05,510 --> 00:37:02,850

right I'm quite a fan of parlor tricks

914

00:37:08,270 --> 00:37:05,520

stage magic and illusions they're a fun

915

00:37:10,460 --> 00:37:08,280

way to encourage critical thought I love

916

00:37:12,830 --> 00:37:10,470

the combination of or delight laughs and

917

00:37:14,300 --> 00:37:12,840

wonder that they can evoke if I don't

918

00:37:16,070 --> 00:37:14,310

know how a trick is performed I have a

919

00:37:18,680 --> 00:37:16,080

rather enjoyable puzzle to try and work

920

00:37:20,750 --> 00:37:18,690

out and when I do I can enjoy the skill

921

00:37:22,940 --> 00:37:20,760

of the performer being at this sleight

922

00:37:24,410 --> 00:37:22,950

of hand they take on presentation or

923

00:37:27,470 --> 00:37:24,420

whatever twist they're put on an old

924

00:37:29,240 --> 00:37:27,480

trick to make it their own what I don't

925

00:37:31,790 --> 00:37:29,250

enjoy however is when a trick is

926

00:37:34,730 --> 00:37:31,800

presented as the truth I like my wires

927

00:37:36,650 --> 00:37:34,740

to be honest it's especially galling

928

00:37:38,660 --> 00:37:36,660

when the trick is presented as truth in

929

00:37:40,550 --> 00:37:38,670

a kids book purporting to be educational

930

00:37:44,180 --> 00:37:40,560

and scientific something which ought to

931

00:37:45,980 --> 00:37:44,190

be a trusted source as for telling kids

932

00:37:48,620 --> 00:37:45,990

that magnetic therapy is anything but

933

00:37:50,089 --> 00:37:48,630

pseudoscience I can only hope that

934

00:37:51,680 --> 00:37:50,099

people who buy science

935

00:37:53,900 --> 00:37:51,690

books for children also heavily

936

00:37:55,489 --> 00:37:53,910

inclination to introduce them to and

937

00:38:00,079 --> 00:37:55,499

encourage critical thought and

938

00:38:02,059 --> 00:38:00,089

skepticism if you're interested in my

939

00:38:05,299 --> 00:38:02,069

writing it can be found on my blog at

940

00:38:07,160 --> 00:38:05,309

evidence please net and I've just made a

941

00:38:09,410 --> 00:38:07,170

Facebook page for my blog and this

942

00:38:10,849 --> 00:38:09,420

segment would you like to test your

943

00:38:14,809 --> 00:38:10,859

psychic powers and guess what it's

944

00:38:18,829 --> 00:38:14,819

called that's correct

945

00:38:20,690 --> 00:38:18,839

it is the Wangaratta turnip society no

946

00:38:34,560 --> 00:38:20,700

just do a Facebook search for evidence

947

00:38:40,570 --> 00:38:37,420

the skeptic magazine the journal from

948

00:38:42,790 --> 00:38:40,580

Australian skeptics subscribe online to

949

00:38:48,100 --> 00:38:42,800

the world's second oldest skeptical

950

00:38:51,280 --> 00:38:48,110

magazine visit WWF XCOM a you and click

951
00:38:55,660 --> 00:38:51,290
the publication's link you can also find

952
00:38:58,870 --> 00:38:55,670
there over 30 years of back issues free

953
00:39:11,830 --> 00:38:58,880
to download the skeptic magazine from

954
00:39:13,390 --> 00:39:11,840
Australian skeptics aside have you won

955
00:39:15,580 --> 00:39:13,400
that if there's just more to your

956
00:39:17,170 --> 00:39:15,590
existence than having Vegemite on toast

957
00:39:18,880 --> 00:39:17,180
in the morning well we're certainly at

958
00:39:21,340 --> 00:39:18,890
the right place here the Newcastle

959
00:39:23,560 --> 00:39:21,350
psychic Expo we're going to talk to the

960
00:39:25,360 --> 00:39:23,570
convener of the Expo Gary Wiseman and

961
00:39:28,510 --> 00:39:25,370
perhaps I'm gonna learn more about life

962
00:39:33,329 --> 00:39:28,520
love and really nice smelling incense

963
00:39:40,140 --> 00:39:38,339

a bit already Gary you have a circuit of

964

00:39:42,150 --> 00:39:40,150

psychic Expos around New South Wales not

965

00:39:44,339 --> 00:39:42,160

yet that's right we go throughout

966

00:39:45,959 --> 00:39:44,349

actually Queensland Victoria and

967

00:39:48,299 --> 00:39:45,969

Tasmania as well and live in New Zealand

968

00:39:49,769 --> 00:39:48,309

what are most people seeking when they

969

00:39:51,690 --> 00:39:49,779

come to a psychic expert because I

970

00:39:53,279 --> 00:39:51,700

expected to see a lot of stalls with

971

00:39:54,930 --> 00:39:53,289

crystals and there is a little bit of

972

00:39:56,190 --> 00:39:54,940

that but it's mainly psychics doing

973

00:39:58,200 --> 00:39:56,200

readings how many of you got here today

974

00:40:00,539 --> 00:39:58,210

well they're 14 today and there be

975

00:40:02,940 --> 00:40:00,549

another six at the weekend essentially a

976

00:40:05,009 --> 00:40:02,950

travelling psychic reading service with

977

00:40:05,700 --> 00:40:05,019

her very best readers from all over

978

00:40:07,859 --> 00:40:05,710

Australia

979

00:40:09,450 --> 00:40:07,869

and how do you rate them I mean how do

980

00:40:10,709 --> 00:40:09,460

you qualify them to be Heda they have to

981

00:40:12,299 --> 00:40:10,719

go through a test you have to give them

982

00:40:13,589 --> 00:40:12,309

ten things you're thinking of or pick a

983

00:40:15,749 --> 00:40:13,599

number from under ten how do you rate

984

00:40:18,539 --> 00:40:15,759

them it's a fairly subjective thing on

985

00:40:20,789 --> 00:40:18,549

my part it just falls on my experience

986

00:40:22,559 --> 00:40:20,799

and intuition about who the best readers

987

00:40:23,999 --> 00:40:22,569

are and get a feeling from talking to

988

00:40:25,829 --> 00:40:24,009

people and then we give them a trial

989

00:40:28,109 --> 00:40:25,839

that trial usually involves three

990

00:40:29,640 --> 00:40:28,119

readings and if the response is good

991

00:40:31,019 --> 00:40:29,650

come on the circuit with us but they

992

00:40:32,910 --> 00:40:31,029

have to earn their stripes because their

993

00:40:34,229 --> 00:40:32,920

reputation depends on it do they get to

994

00:40:35,089 --> 00:40:34,239

do best of five if they can't get

995

00:40:37,829 --> 00:40:35,099

through

996

00:40:39,299 --> 00:40:37,839

is there a like a lawyers or a doctors

997

00:40:41,099 --> 00:40:39,309

there a psychic because Association like

998

00:40:42,509 --> 00:40:41,109

a bar of psychics you can get booted out

999

00:40:44,579 --> 00:40:42,519

with if you're not a good one or there

1000

00:40:46,410 --> 00:40:44,589

is there a you know a guild psychics

1001
00:40:48,089 --> 00:40:46,420
tend to be rugged individuals who do

1002
00:40:49,440 --> 00:40:48,099
their own thing they often don't know

1003
00:40:51,569 --> 00:40:49,450
much about what other people are doing

1004
00:40:53,400 --> 00:40:51,579
maybe it's exactly the same in radio a

1005
00:40:54,959 --> 00:40:53,410
bit like that in radio - I've got no

1006
00:40:56,910 --> 00:40:54,969
idea what's going on a lot of people

1007
00:40:58,170 --> 00:40:56,920
wrecking it's just cold reading like

1008
00:40:59,729 --> 00:40:58,180
reading the person's face when you're

1009
00:41:01,769 --> 00:40:59,739
talking to them how much do you think is

1010
00:41:03,509 --> 00:41:01,779
cold reading and how much is being able

1011
00:41:04,259 --> 00:41:03,519
to like delve into their aura or

1012
00:41:06,089 --> 00:41:04,269
whatever they're getting this

1013
00:41:09,029 --> 00:41:06,099

information from we may unconsciously

1014

00:41:11,370 --> 00:41:09,039

pick up things about the in the face and

1015

00:41:13,170 --> 00:41:11,380

the responsibilities certainly can't

1016

00:41:14,789 --> 00:41:13,180

rely on that you just can't couldn't

1017

00:41:17,339 --> 00:41:14,799

rely on that even if you consciously did

1018

00:41:19,890 --> 00:41:17,349

for instance yesterday and I reading I

1019

00:41:21,150 --> 00:41:19,900

did for someone during our lecture I got

1020

00:41:23,999 --> 00:41:21,160

them to pick a card just to demonstrate

1021

00:41:26,579 --> 00:41:24,009

and I said they feel like here you're

1022

00:41:28,349 --> 00:41:26,589

going to do modeling in France and Italy

1023

00:41:30,660 --> 00:41:28,359

and she said she was flying out to Paris

1024

00:41:32,190 --> 00:41:30,670

tomorrow he couldn't possibly get that

1025

00:41:33,779 --> 00:41:32,200

that's that's one of the better ones

1026

00:41:35,370 --> 00:41:33,789

that I've picked up obviously not

1027

00:41:36,870 --> 00:41:35,380

legally binding but ever get people

1028

00:41:38,489 --> 00:41:36,880

complaining about the reading like it

1029

00:41:40,440 --> 00:41:38,499

wasn't the one they wanted or it was

1030

00:41:42,420 --> 00:41:40,450

incorrect that sometimes happens because

1031

00:41:44,759 --> 00:41:42,430

what we're doing is not an easy thing

1032

00:41:46,470 --> 00:41:44,769

it's very difficult treating it to

1033

00:41:48,270 --> 00:41:46,480

things that you can't see in

1034

00:41:50,040 --> 00:41:48,280

front of you and occasionally the

1035

00:41:52,140 --> 00:41:50,050

chemistry is not right between the

1036

00:41:54,750 --> 00:41:52,150

customer and the client we either offer

1037

00:41:56,400 --> 00:41:54,760

a reading with another reader and if it

1038

00:41:58,500 --> 00:41:56,410

will always happy the second time around

1039

00:42:00,600 --> 00:41:58,510

but if they weren't we'd offer a

1040

00:42:02,640 --> 00:42:00,610

complete refund and you've got he said

1041

00:42:05,070 --> 00:42:02,650

18 psychics here is it 14 today and

1042

00:42:06,960 --> 00:42:05,080

they're all busy actually we do have two

1043

00:42:09,090 --> 00:42:06,970

coming in later today so you must have

1044

00:42:10,650 --> 00:42:09,100

picked that up I think everybody told me

1045

00:42:12,000 --> 00:42:10,660

to ask you how come you didn't know I

1046

00:42:13,410 --> 00:42:12,010

was gonna ring and something like that

1047

00:42:14,760 --> 00:42:13,420

do you get people asking you we have

1048

00:42:15,870 --> 00:42:14,770

smarty bums on the phone going no I

1049

00:42:17,460 --> 00:42:15,880

don't need to tell you it is you must

1050

00:42:18,990 --> 00:42:17,470

know they always say if I had a dollar

1051
00:42:20,730 --> 00:42:19,000
for every person that's made a joke

1052
00:42:22,440 --> 00:42:20,740
based on you should have known I'd be a

1053
00:42:23,640 --> 00:42:22,450
millionaire how do people react when

1054
00:42:24,900 --> 00:42:23,650
normally tell them you're a psychic

1055
00:42:26,370 --> 00:42:24,910
because I get a bit scared because I

1056
00:42:27,930 --> 00:42:26,380
think you might see the real me inside

1057
00:42:29,880 --> 00:42:27,940
and I work very hard to not let people

1058
00:42:32,310 --> 00:42:29,890
see that when I'm away from work the

1059
00:42:34,350 --> 00:42:32,320
last thing I want to do is be trying to

1060
00:42:35,820 --> 00:42:34,360
delve into people's minds and how do you

1061
00:42:37,740 --> 00:42:35,830
do it a lot of people some people use

1062
00:42:39,240 --> 00:42:37,750
tea leaves some people use an object

1063
00:42:40,710 --> 00:42:39,250

from the person's life than hold of some

1064

00:42:44,460 --> 00:42:40,720

people even stare into a globe how do

1065

00:42:47,400 --> 00:42:44,470

you do it two tools that suit me are

1066

00:42:49,200 --> 00:42:47,410

Tarot all actually now I use more animal

1067

00:42:51,660 --> 00:42:49,210

cards so those are the type of Tarot and

1068

00:42:53,730 --> 00:42:51,670

also astrology they're the two that suit

1069

00:42:55,170 --> 00:42:53,740

me where someone else identifiers more

1070

00:42:56,760 --> 00:42:55,180

with the patterns on the hand so they'd

1071

00:42:59,250 --> 00:42:56,770

be draw out of palmistry and either

1072

00:43:01,350 --> 00:42:59,260

Tarot or animal cards I've created my

1073

00:43:03,120 --> 00:43:01,360

own set of animal cards where you can

1074

00:43:04,830 --> 00:43:03,130

read animals and read it the way you

1075

00:43:06,720 --> 00:43:04,840

would a tarot card can you get a rhesus

1076
00:43:08,820 --> 00:43:06,730
monkey card we do have the monkey and

1077
00:43:11,520 --> 00:43:08,830
the monkey represents more playful

1078
00:43:13,650 --> 00:43:11,530
energy or bit tricky or whatever but

1079
00:43:14,940 --> 00:43:13,660
what one don't you want what card don't

1080
00:43:17,040 --> 00:43:14,950
you want to see come out of the animal

1081
00:43:19,410 --> 00:43:17,050
pack the thing with the animal cards is

1082
00:43:21,240 --> 00:43:19,420
that all all of them are pretty equality

1083
00:43:23,340 --> 00:43:21,250
but you might since we don't like

1084
00:43:24,360 --> 00:43:23,350
reptiles usually there's snake probably

1085
00:43:26,520 --> 00:43:24,370
is something you don't particularly want

1086
00:43:28,140 --> 00:43:26,530
to see but it's got as good and bad side

1087
00:43:30,540 --> 00:43:28,150
just like any other card the one that

1088
00:43:32,580 --> 00:43:30,550

always worries everybody in Tarot must

1089

00:43:34,170 --> 00:43:32,590

be the death card no one wants to see

1090

00:43:35,880 --> 00:43:34,180

the death card particular death card and

1091

00:43:37,920 --> 00:43:35,890

the emperor card together upside down

1092

00:43:39,750 --> 00:43:37,930

not a good one thing is that the layman

1093

00:43:41,340 --> 00:43:39,760

that would seem very scary well it does

1094

00:43:43,050 --> 00:43:41,350

and that's one reason I've moved away

1095

00:43:44,460 --> 00:43:43,060

from Tarot to animal cards because

1096

00:43:46,650 --> 00:43:44,470

animals are less threatening could you

1097

00:43:48,510 --> 00:43:46,660

try maybe top-shelf alcohol cards like

1098

00:43:50,430 --> 00:43:48,520

you could have a Stolli vodka a Bailey's

1099

00:43:52,230 --> 00:43:50,440

you know a coffee liqueur that would

1100

00:43:53,700 --> 00:43:52,240

make people food even more at ease

1101
00:43:55,410 --> 00:43:53,710
think if you're an alcoholic that would

1102
00:43:56,610 --> 00:43:55,420
be a wonderful tool few tears you'd

1103
00:43:58,350 --> 00:43:56,620
really identify with it

1104
00:43:59,520 --> 00:43:58,360
are you picking up anything on me at all

1105
00:44:00,930 --> 00:43:59,530
from meeting me this morning for the

1106
00:44:03,330 --> 00:44:00,940
first time I

1107
00:44:06,180 --> 00:44:03,340
tune into people when they ask me to and

1108
00:44:07,470 --> 00:44:06,190
I don't intrude on people's space but

1109
00:44:08,820 --> 00:44:07,480
what about missing people I mean you

1110
00:44:11,880 --> 00:44:08,830
would Mel to tell me where Greg Evans is

1111
00:44:12,930 --> 00:44:11,890
now with you Richard Moorcroft bill vane

1112
00:44:14,670 --> 00:44:12,940
Delaney all these people just

1113
00:44:16,470 --> 00:44:14,680

disappeared yes so they probably up near

1114

00:44:18,300 --> 00:44:16,480

byron bay somewhere enjoying the good

1115

00:44:20,520 --> 00:44:18,310

life we're talking to Gary Wiseman who's

1116

00:44:22,560 --> 00:44:20,530

the convenient organizer of the psychic

1117

00:44:23,880 --> 00:44:22,570

Expo which too is Australia and what's

1118

00:44:25,530 --> 00:44:23,890

your favorite greeting I like to say

1119

00:44:27,240 --> 00:44:25,540

live long and prosper what your favorite

1120

00:44:29,430 --> 00:44:27,250

yes I'll have to think about I like the

1121

00:44:31,410 --> 00:44:29,440

biggest star Trekkie fan I like the

1122

00:44:33,120 --> 00:44:31,420

possible one and also musically you've

1123

00:44:34,770 --> 00:44:33,130

got some very calming music there is

1124

00:44:36,180 --> 00:44:34,780

that very special I mean I'm myself I'd

1125

00:44:37,590 --> 00:44:36,190

you know I but some sort of pumping

1126
00:44:38,910 --> 00:44:37,600
dance music going if I was actually

1127
00:44:49,400 --> 00:44:38,920
having my reading done you know like

1128
00:44:55,980 --> 00:44:53,040
all the alcohol and the alcohol readings

1129
00:44:57,750 --> 00:44:55,990
and the the pumping music I think I'm

1130
00:44:59,160 --> 00:44:57,760
here in the foyer with a lady who's just

1131
00:45:02,280 --> 00:44:59,170
too had a reading how long was your

1132
00:45:03,840 --> 00:45:02,290
reading for 25 minutes and how did it go

1133
00:45:05,220 --> 00:45:03,850
I mean I don't want to get too personal

1134
00:45:07,980 --> 00:45:05,230
but how do you think it went

1135
00:45:09,540 --> 00:45:07,990
interesting some things I found very fun

1136
00:45:11,280 --> 00:45:09,550
on and some things were enlightening

1137
00:45:12,960 --> 00:45:11,290
might not like what they said but was

1138
00:45:14,700 --> 00:45:12,970

enlightening and how did they do it was

1139

00:45:16,200 --> 00:45:14,710

there an object of jewelry they held or

1140

00:45:19,110 --> 00:45:16,210

did they have a laying on of hands how

1141

00:45:20,940 --> 00:45:19,120

did it work read my palms first and then

1142

00:45:22,770 --> 00:45:20,950

Mike did my aura so there's a percentage

1143

00:45:25,920 --> 00:45:22,780

how right do you think they were about

1144

00:45:26,970 --> 00:45:25,930

60 70 60 to 70 yes did you hear anything

1145

00:45:29,880 --> 00:45:26,980

you didn't want to hear

1146

00:45:30,840 --> 00:45:29,890

definitely anything so is that going to

1147

00:45:31,980 --> 00:45:30,850

be something where you might have to

1148

00:45:33,510 --> 00:45:31,990

change your life where you're gonna go

1149

00:45:36,060 --> 00:45:33,520

now that's just wrong I'll probably

1150

00:45:38,010 --> 00:45:36,070

change my attitude and accept more than

1151
00:45:40,230 --> 00:45:38,020
anything and why did you come here in

1152
00:45:42,090 --> 00:45:40,240
the first place to get some answers to

1153
00:45:43,650 --> 00:45:42,100
some things what sort of mood we take

1154
00:45:46,520 --> 00:45:43,660
away from here leaving here do you feel

1155
00:45:48,660 --> 00:45:46,530
enlightened and powered or do you go oh

1156
00:45:52,390 --> 00:45:48,670
thank you very much for your time live

1157
00:45:58,520 --> 00:45:55,430
hey Kenny oh hi Tom

1158
00:46:01,880 --> 00:45:58,530
I see this part yeah yes eight weather

1159
00:46:04,580 --> 00:46:01,890
oh look a unicorn unicorn there are no

1160
00:46:06,260 --> 00:46:04,590
such things as unicorns silly yes there

1161
00:46:09,080 --> 00:46:06,270
is no there isn't

1162
00:46:11,600 --> 00:46:09,090
hey guys what are you arguing about tom

1163
00:46:13,760 --> 00:46:11,610

thinks unicorns are real say so our

1164

00:46:16,609 --> 00:46:13,770

let's look us up in the skeptics

1165

00:46:18,650 --> 00:46:16,619

dictionary the what how can we do this

1166

00:46:20,300 --> 00:46:18,660

in this park there is no computer here

1167

00:46:22,520 --> 00:46:20,310

you guys probably don't know about the

1168

00:46:25,340 --> 00:46:22,530

skeptics dictionary app available now

1169

00:46:28,760 --> 00:46:25,350

for iPhone iPad and iPod Touch in the

1170

00:46:30,620 --> 00:46:28,770

App Store Wow cool the app lets you

1171

00:46:32,420 --> 00:46:30,630

access all of the great skeptics

1172

00:46:35,359 --> 00:46:32,430

dictionary articles when you're on the

1173

00:46:38,240 --> 00:46:35,369

go here let me look up unicorns sound

1174

00:46:40,550 --> 00:46:38,250

cool Kenny prepare to be proven wrong it

1175

00:46:42,290 --> 00:46:40,560

says here the Unicorn is a creature from

1176

00:46:44,960 --> 00:46:42,300

fables aha

1177

00:46:46,220 --> 00:46:44,970

actually I see now that someone just

1178

00:46:48,830 --> 00:46:46,230

dumped their ice cream cone on that

1179

00:47:00,930 --> 00:46:48,840

horse's head Thanks skeptics dictionary

1180

00:47:05,410 --> 00:47:03,400

thank you for listening to the skeptics

1181

00:47:09,579 --> 00:47:05,420

down here we go folks another year

1182

00:47:10,420 --> 00:47:09,589

another year of the skeptic zone what

1183

00:47:11,589 --> 00:47:10,430

lies ahead

1184

00:47:13,950 --> 00:47:11,599

well I'd can't see into the future

1185

00:47:17,319 --> 00:47:13,960

that's good cuz nobody else can either

1186

00:47:19,960 --> 00:47:17,329

what lies ahead we'll find out as it

1187

00:47:22,500 --> 00:47:19,970

happens you and I together throughout

1188

00:47:25,599 --> 00:47:22,510

the year with our with our reporters to

1189

00:47:27,790 --> 00:47:25,609

look forward to more Maynard more Joe

1190

00:47:29,829 --> 00:47:27,800

alabaster now other reporters too when

1191

00:47:34,359 --> 00:47:29,839

they can they get very busy and I

1192

00:47:36,280 --> 00:47:34,369

understand that but rest assured we're

1193

00:47:39,400 --> 00:47:36,290

in for an interesting year as we are

1194

00:47:41,380 --> 00:47:39,410

every year I think ah still hot I think

1195

00:47:44,079 --> 00:47:41,390

Fred the cat is actually lying some ways

1196

00:47:46,089 --> 00:47:44,089

probably in the bathtub because that's a

1197

00:47:51,310 --> 00:47:46,099

cool place for him to lie it is really a

1198

00:47:53,020 --> 00:47:51,320

hot sticky day in Sidney in a cup about

1199

00:47:54,730 --> 00:47:53,030

three weeks or so I'll be heading to

1200

00:47:57,430 --> 00:47:54,740

California for a little break to see

1201
00:47:59,230 --> 00:47:57,440
friends and family the show will keep

1202
00:48:01,060 --> 00:47:59,240
going I wonder who I can interview in

1203
00:48:04,210 --> 00:48:01,070
California I might catch up with Jeanie

1204
00:48:05,890 --> 00:48:04,220
Scott she's retired now but heavens

1205
00:48:07,359 --> 00:48:05,900
above she's a wonderful lady and worth

1206
00:48:10,960 --> 00:48:07,369
chatting to I'll see what I can do about

1207
00:48:13,390 --> 00:48:10,970
that but for this week hoping for a cool

1208
00:48:13,780 --> 00:48:13,400
change I hope there's a cool change on

1209
00:48:15,970 --> 00:48:13,790
the way

1210
00:48:21,670 --> 00:48:15,980
this is Richard Saunders signing off

1211
00:48:25,000 --> 00:48:21,680
from Sydney Australia you've been

1212
00:48:26,849 --> 00:48:25,010
listening to the skeptic zone visit our