

**THE
SKEPTIC
ZONE
PODCAST**

www.skepticzone.tv

1
00:00:12,370 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:21,890 --> 00:00:12,380
from Australia for science and reason

3
00:00:24,930 --> 00:00:21,900
[Music]

4
00:00:28,530 --> 00:00:24,940
here since the skeptics on podcast

5
00:00:32,040 --> 00:00:28,540
episode number 432 for the 29th of

6
00:00:34,890 --> 00:00:32,050
January 2017 Wow January's almost gone

7
00:00:37,320 --> 00:00:34,900
already of us just the other week well

8
00:00:40,799 --> 00:00:37,330
maybe it was four weeks ago that we

9
00:00:42,840 --> 00:00:40,809
welcomed in 2017 and this year certainly

10
00:00:46,670 --> 00:00:42,850
has not been disappointing when it comes

11
00:00:49,799 --> 00:00:46,680
to bizarre events and strange goings-on

12
00:00:53,010 --> 00:00:49,809
we'll get to that in a minute it was

13
00:00:56,370 --> 00:00:53,020

very sad to see the death of actor Sir

14

00:00:59,310 --> 00:00:56,380

John Hurt just yesterday and of course

15

00:01:02,180 --> 00:00:59,320

he was a marvelously multi talented

16

00:01:04,380 --> 00:01:02,190

actor famous in pop culture for playing

17

00:01:06,090 --> 00:01:04,390

character in the original alien movie

18

00:01:07,950 --> 00:01:06,100

playing one of the doctors the war

19

00:01:10,680 --> 00:01:07,960

doctor and the doctor who series many

20

00:01:13,170 --> 00:01:10,690

other fantastic roles and it just goes

21

00:01:15,749 --> 00:01:13,180

to show that not all the top famous

22

00:01:17,370 --> 00:01:15,759

people died in 2016 but what's coming up

23

00:01:18,779 --> 00:01:17,380

on this week's episode of the skeptic

24

00:01:21,990 --> 00:01:18,789

zone we're going to have a report from

25

00:01:23,940 --> 00:01:22,000

Heidi Robinson and Alison Gaylord from

26

00:01:27,359 --> 00:01:23,950

the Northern Rivers vaccination

27

00:01:30,630 --> 00:01:27,369

supporters now not too long ago a local

28

00:01:32,969 --> 00:01:30,640

newspaper in their area right up the top

29

00:01:35,669 --> 00:01:32,979

of the state of New South Wales the

30

00:01:38,219 --> 00:01:35,679

Tweed Daily News the tweed that sound

31

00:01:43,469 --> 00:01:38,229

after the tweed river the river that

32

00:01:45,120 --> 00:01:43,479

runs I think it runs between between New

33

00:01:47,249 --> 00:01:45,130

South Wales and Queensland or just near

34

00:01:51,199 --> 00:01:47,259

the border somewhere there well the

35

00:01:53,370 --> 00:01:51,209

Tweed Daily News ran a story which was

36

00:01:55,050 --> 00:01:53,380

extraordinary when you think about it

37

00:01:57,120 --> 00:01:55,060

from the point of view of its showing

38

00:01:59,430 --> 00:01:57,130

just simply one side of the vaccination

39

00:02:02,010 --> 00:01:59,440

question which it was not really a

40

00:02:05,520 --> 00:02:02,020

question anyway it gave air to

41

00:02:08,160 --> 00:02:05,530

extremists and nutters one of them

42

00:02:12,229 --> 00:02:08,170

wearing a camera trail t-shirt as will

43

00:02:15,949 --> 00:02:12,239

be explained soon as Alison and Heidi

44

00:02:19,020 --> 00:02:15,959

bring you this story they bring you the

45

00:02:22,190 --> 00:02:19,030

original story as printed in the tree

46

00:02:26,339 --> 00:02:22,200

Daily News and get a feeling for how ur

47

00:02:29,160 --> 00:02:26,349

how bad that was and their response in

48

00:02:30,449 --> 00:02:29,170

the form of an open letter and it's so

49

00:02:33,750 --> 00:02:30,459

good to see that the Northern Rivers

50

00:02:34,410 --> 00:02:33,760

vaccination supporters are continuing

51

00:02:39,270 --> 00:02:34,420

their

52

00:02:42,089 --> 00:02:39,280

of New South Wales which of course via

53

00:02:44,580 --> 00:02:42,099

their efforts goes globally I mean

54

00:02:47,580 --> 00:02:44,590

you're hearing about it right now and I

55

00:02:49,760 --> 00:02:47,590

admire those people very much a young

56

00:02:52,710 --> 00:02:49,770

group they've only been active for a

57

00:02:54,540 --> 00:02:52,720

handful of years but boy are they making

58

00:02:56,850 --> 00:02:54,550

a difference coming up at the top of the

59

00:03:01,020 --> 00:02:56,860

show find out about their open letter to

60

00:03:03,839 --> 00:03:01,030

the Tweed Daily News following that we

61

00:03:06,840 --> 00:03:03,849

have a story published at skeptics com a

62

00:03:09,000 --> 00:03:06,850

you about criticism levelled at a

63

00:03:12,390 --> 00:03:09,010

research paper which seemed to indicate

64

00:03:14,490 --> 00:03:12,400

that acupuncture for babies babies with

65

00:03:17,309 --> 00:03:14,500

colic was a good and beneficial thing

66

00:03:20,640 --> 00:03:17,319

was it was it indeed was it find out

67

00:03:23,600 --> 00:03:20,650

soon when we cover that story then it's

68

00:03:26,759 --> 00:03:23,610

brouhaha from Australia science TV

69

00:03:28,979 --> 00:03:26,769

Australia science channel with Tanya

70

00:03:32,190 --> 00:03:28,989

Meyer this week this week 10 is going to

71

00:03:36,809 --> 00:03:32,200

be looking at problems with cell phone

72

00:03:38,940 --> 00:03:36,819

batteries and pedal power or pedal power

73

00:03:41,280 --> 00:03:38,950

with a little bit of assistance that's

74

00:03:43,770 --> 00:03:41,290

brouhaha coming up a little later on

75

00:03:46,050 --> 00:03:43,780

then we have news of a torque down in

76

00:03:48,330 --> 00:03:46,060

Victoria for the Morty skeptics I talked

77

00:03:49,979 --> 00:03:48,340

about one of my favorite topics UFOs

78

00:03:52,500 --> 00:03:49,989

that should be interesting with steve

79

00:03:54,660 --> 00:03:52,510

roberts and if you're living in victoria

80

00:03:56,910 --> 00:03:54,670

if you're living in melbourne around the

81

00:03:58,949 --> 00:03:56,920

maury alec area especially that will be

82

00:04:01,259 --> 00:03:58,959

a great night out for you and speaking

83

00:04:03,930 --> 00:04:01,269

of UFOs following that it's maynards

84

00:04:06,630 --> 00:04:03,940

spooky action where Maynard will tell us

85

00:04:10,020 --> 00:04:06,640

about one of his favorite podcasts the

86

00:04:11,539 --> 00:04:10,030

UFO podcast or podcast UFO or something

87

00:04:14,970 --> 00:04:11,549

like that bit spooky a bit mysterious

88

00:04:18,330 --> 00:04:14,980

why does he listen to it and there's a

89

00:04:21,960 --> 00:04:18,340

question a question will be posed for

90

00:04:25,440 --> 00:04:21,970

you then to round off the show more

91

00:04:30,210 --> 00:04:25,450

homeopathy see more homeopathy equals

92

00:04:34,409 --> 00:04:30,220

less power less homeopathy is more

93

00:04:36,570 --> 00:04:34,419

powerful than more homeopathy and we

94

00:04:39,510 --> 00:04:36,580

have a story about homeopathy written by

95

00:04:41,760 --> 00:04:39,520

Professor ed at ernst and it's a good

96

00:04:44,149 --> 00:04:41,770

one for skeptics as Ed's at ernst writes

97

00:04:46,409 --> 00:04:44,159

about some of the common mistakes

98

00:04:48,239 --> 00:04:46,419

skeptics make when talking about

99

00:04:50,819 --> 00:04:48,249

homeopathy some things to be

100

00:04:53,699 --> 00:04:50,829

aware of some things to look out for so

101
00:04:57,209 --> 00:04:53,709
you are better prepared when debating

102
00:04:59,219 --> 00:04:57,219
talking about homeopathy all that coming

103
00:05:01,139 --> 00:04:59,229
up on today's episode of the skeptic

104
00:05:06,569 --> 00:05:01,149
zone now there are many more stories

105
00:05:08,989 --> 00:05:06,579
this past week has proven to be what's

106
00:05:11,669 --> 00:05:08,999
the word I'm looking for dramatic I

107
00:05:13,289 --> 00:05:11,679
suppose you would say when it comes to

108
00:05:15,059 --> 00:05:13,299
politics which we normally don't cover

109
00:05:17,249 --> 00:05:15,069
on the skeptic zone but this one is a

110
00:05:20,999 --> 00:05:17,259
blockbuster folks what the trump

111
00:05:22,949 --> 00:05:21,009
administration are doing in a huge hurry

112
00:05:26,819 --> 00:05:22,959
it appears to me is certainly

113
00:05:28,109 --> 00:05:26,829

breathhtaking and I note and I'm sure

114

00:05:30,409 --> 00:05:28,119

this is a story we're going to be

115

00:05:33,089 --> 00:05:30,419

bringing to you before long that

116

00:05:36,089 --> 00:05:33,099

scientists are now looking at are

117

00:05:38,039 --> 00:05:36,099

forming their own march against some of

118

00:05:40,679 --> 00:05:38,049

the policies of the new Trump

119

00:05:44,159 --> 00:05:40,689

administration as we speak there are

120

00:05:46,379 --> 00:05:44,169

protests at JFK Airport as as I record

121

00:05:48,419 --> 00:05:46,389

this I should say and there's just been

122

00:05:50,789 --> 00:05:48,429

so much news coming out of Washington

123

00:05:54,629 --> 00:05:50,799

that it's very hard to keep up oracle8

124

00:05:57,809 --> 00:05:54,639

or get to grips with now if you're like

125

00:06:00,989 --> 00:05:57,819

me and when you're using Facebook a lot

126
00:06:03,089 --> 00:06:00,999
of your feed will be consumed by what

127
00:06:05,100 --> 00:06:03,099
Trump is doing now and what laws are

128
00:06:07,489 --> 00:06:05,110
trying to be passed and all the rest of

129
00:06:12,239 --> 00:06:07,499
it all we can do is try to keep up and

130
00:06:14,309 --> 00:06:12,249
report to you the relevant issues when

131
00:06:16,499 --> 00:06:14,319
it comes to science and skepticism or

132
00:06:21,029 --> 00:06:16,509
maybe a bit wider in this case because

133
00:06:23,629 --> 00:06:21,039
in all my years which are many and all

134
00:06:26,399 --> 00:06:23,639
the presidents I've seen come and go

135
00:06:29,399 --> 00:06:26,409
this one so far really takes the cake

136
00:06:31,409 --> 00:06:29,409
and the icing and everything else and

137
00:06:33,479 --> 00:06:31,419
there is more news coming from overseas

138
00:06:35,249 --> 00:06:33,489

with the movie vax that we will get to

139

00:06:37,379 --> 00:06:35,259

probably in the next episode of the

140

00:06:42,539 --> 00:06:37,389

skeptic zone we hope to bring you some

141

00:06:45,929 --> 00:06:42,549

news of the akwa poll device a situation

142

00:06:48,509 --> 00:06:45,939

that I personally have been looking at

143

00:06:50,759 --> 00:06:48,519

for some months now and we hope though

144

00:06:53,909 --> 00:06:50,769

here's some good news about that soon us

145

00:06:56,729 --> 00:06:53,919

at least some news we can report about

146

00:06:58,439 --> 00:06:56,739

the echo poll this is the device which

147

00:07:00,479 --> 00:06:58,449

you whack on to the ceiling it sort of

148

00:07:01,410 --> 00:07:00,489

hangs down like a big ceiling light it's

149

00:07:04,800 --> 00:07:01,420

a big

150

00:07:07,290 --> 00:07:04,810

sphere with a well what can be best

151
00:07:09,300 --> 00:07:07,300
described as a piece of Modern Art stuck

152
00:07:12,540 --> 00:07:09,310
inside and the claim is that this modern

153
00:07:15,150 --> 00:07:12,550
art will channel energies from the

154
00:07:19,220 --> 00:07:15,160
universe direct these energies into your

155
00:07:21,690 --> 00:07:19,230
walls and fix your rising damp problem

156
00:07:24,960 --> 00:07:21,700
has no moving parts and requires no

157
00:07:26,400 --> 00:07:24,970
power I think that sums it up anyway

158
00:07:29,730 --> 00:07:26,410
hopefully we can bring you something

159
00:07:35,220 --> 00:07:29,740
about that soon at least and there's a

160
00:07:38,880 --> 00:07:35,230
story about the movie vax which is just

161
00:07:41,130 --> 00:07:38,890
being denied screening in the UK I think

162
00:07:42,840 --> 00:07:41,140
this is all very hot off the wire sort

163
00:07:44,910 --> 00:07:42,850

of new so hopefully we can you bring you

164

00:07:46,830 --> 00:07:44,920

more about that too in the coming weeks

165

00:07:49,560 --> 00:07:46,840

but now it's time for me to run

166

00:07:52,440 --> 00:07:49,570

downstairs and have some cake because i

167

00:07:54,570 --> 00:07:52,450

think president Trump took the cake or

168

00:07:57,480 --> 00:07:54,580

takes the cake I better have some cake

169

00:08:02,170 --> 00:07:57,490

before he takes it all well I'm doing

170

00:08:02,180 --> 00:08:19,570

[Music]

171

00:08:33,920 --> 00:08:23,570

it's the raw skeptic report with Heidi

172

00:08:35,899 --> 00:08:33,930

Robertson hello everyone Heidi Robertson

173

00:08:38,300 --> 00:08:35,909

from the Northern Rivers vaccination

174

00:08:41,750 --> 00:08:38,310

supporters it's great to be back for the

175

00:08:46,700 --> 00:08:41,760

skeptic zone and in your ears for 2017

176

00:08:49,430 --> 00:08:46,710

on the twenty-fifth of January 2017 a

177

00:08:51,740 --> 00:08:49,440

local newspaper the Tweed Daily News

178

00:08:54,050 --> 00:08:51,750

operating out of tweed heads northern

179

00:08:56,750 --> 00:08:54,060

New South Wales published an article

180

00:08:58,460 --> 00:08:56,760

that was both surprising and supremely

181

00:09:01,280 --> 00:08:58,470

disappointing for the members of our

182

00:09:04,100 --> 00:09:01,290

group we've worked hard with the media

183

00:09:06,260 --> 00:09:04,110

over the past four years to try to

184

00:09:09,260 --> 00:09:06,270

ensure that stories about vaccination

185

00:09:11,329 --> 00:09:09,270

don't contain false balance that is when

186

00:09:14,750 --> 00:09:11,339

the journalist equates the expertise of

187

00:09:17,480 --> 00:09:14,760

vaccine researchers immunologists and

188

00:09:20,960 --> 00:09:17,490

doctors with the field pinions of

189

00:09:22,970 --> 00:09:20,970

anti-vaccination activists we have had

190

00:09:25,400 --> 00:09:22,980

great success in this region with the

191

00:09:28,010 --> 00:09:25,410

media and they have not approached the

192

00:09:31,310 --> 00:09:28,020

more well-known vaccine deniers for their

193

00:09:33,380 --> 00:09:31,320

input for quite a while now when they

194

00:09:36,350 --> 00:09:33,390

have we have refused to take part in the

195

00:09:38,630 --> 00:09:36,360

interview explaining our stance that we

196

00:09:41,420 --> 00:09:38,640

do not debate the science of vaccination

197

00:09:43,880 --> 00:09:41,430

and that we do not wish to give vaccine

198

00:09:49,760 --> 00:09:43,890

denies legitimacy by appearing alongside

199

00:09:52,579 --> 00:09:49,770

them in print on TV or on radio stop the

200

00:09:54,470 --> 00:09:52,589

avn actually presented a poster at an

201
00:09:57,590 --> 00:09:54,480
immunization conference a couple of

202
00:10:01,160 --> 00:09:57,600
years ago showing data that reflects the

203
00:10:03,440 --> 00:10:01,170
success of this tactic imagine our

204
00:10:06,650 --> 00:10:03,450
dismay then to see the following article

205
00:10:09,010 --> 00:10:06,660
in print along with a color image of a

206
00:10:12,470 --> 00:10:09,020
vaccine denier with a chemtrail

207
00:10:14,269 --> 00:10:12,480
conspiracy theorist they are pictured

208
00:10:16,940 --> 00:10:14,279
adorned with merchandise from

209
00:10:20,090 --> 00:10:16,950
Wakefield's anti-vaccination film vax

210
00:10:21,290 --> 00:10:20,100
and holding up a vax poster with the

211
00:10:24,290 --> 00:10:21,300
title the

212
00:10:27,650 --> 00:10:24,300
film they don't want you to see the

213
00:10:30,530 --> 00:10:27,660

caption to the photo reads tough message

214

00:10:33,320 --> 00:10:30,540

anti-vaccination activists Robert

215

00:10:35,389 --> 00:10:33,330

Deutsch and Donna kousaka are in

216

00:10:39,050 --> 00:10:35,399

murwillumbah spreading the word about

217

00:10:41,710 --> 00:10:39,060

the dangers of vaccinations so here is

218

00:10:44,120 --> 00:10:41,720

the transcript of the article titled

219

00:10:49,190 --> 00:10:44,130

anti-vaccine movement with the

220

00:10:52,340 --> 00:10:49,200

subheading tragedy prompts campaign by

221

00:10:54,530 --> 00:10:52,350

Mitchell Crawley activists have taken to

222

00:10:56,180 --> 00:10:54,540

murwillumbah streets to campaign for

223

00:10:58,550 --> 00:10:56,190

transparency from governments and

224

00:11:01,389 --> 00:10:58,560

medical professionals and to demand

225

00:11:04,759 --> 00:11:01,399

people get a choice on vaccinations

226

00:11:08,060 --> 00:11:04,769

Donna kousaka who describes herself as a

227

00:11:10,420 --> 00:11:08,070

pro-life freedom fighter chose to

228

00:11:13,970 --> 00:11:10,430

campaign after losing her husband in

229

00:11:17,269 --> 00:11:13,980

2015 she believes his death was as a

230

00:11:20,660 --> 00:11:17,279

result of vaccines my husband died of

231

00:11:23,210 --> 00:11:20,670

cancer ms cozy cassette that's what woke

232

00:11:24,889 --> 00:11:23,220

me up I was looking for alternate help

233

00:11:27,350 --> 00:11:24,899

in Australia and struggled to find

234

00:11:30,139 --> 00:11:27,360

anything I've always been following the

235

00:11:33,170 --> 00:11:30,149

vaccine issue but that just opened up my

236

00:11:36,110 --> 00:11:33,180

eyes it was related because my husband

237

00:11:39,110 --> 00:11:36,120

milosz would have had polio I think she

238

00:11:42,530 --> 00:11:39,120

means the polio vaccine back in the 50s

239

00:11:45,139 --> 00:11:42,540

and sv40 if you look on the centers for

240

00:11:48,560 --> 00:11:45,149

disease control and prevention website

241

00:11:52,850 --> 00:11:48,570

you'll find it buried in there that they

242

00:11:57,199 --> 00:11:52,860

think the sv40 causes cancer he passed

243

00:11:59,690 --> 00:11:57,209

away in July 2015 diagnosed on March the

244

00:12:04,400 --> 00:11:59,700

9th the day after his birthday which was

245

00:12:06,889 --> 00:12:04,410

just horrific ms kousaka says she wants

246

00:12:10,340 --> 00:12:06,899

informed consent and the government to

247

00:12:12,470 --> 00:12:10,350

tell us what's in a vaccine another

248

00:12:14,510 --> 00:12:12,480

campaigner Robert Deutsche who is in

249

00:12:16,840 --> 00:12:14,520

Australia giving a series of talks on

250

00:12:19,250 --> 00:12:16,850

matters including Chemical trails

251
00:12:22,790 --> 00:12:19,260
claimed people weren't aware of the

252
00:12:24,650 --> 00:12:22,800
health repercussions of vaccines in all

253
00:12:27,199 --> 00:12:24,660
fairness the doctors should be fully

254
00:12:29,600 --> 00:12:27,209
informing people of any side effects in

255
00:12:32,030 --> 00:12:29,610
advance of them getting vaccinations and

256
00:12:34,160 --> 00:12:32,040
there should be an actual law that says

257
00:12:35,090 --> 00:12:34,170
people have to sign a consent that they

258
00:12:38,060 --> 00:12:35,100
were given this in

259
00:12:42,320 --> 00:12:38,070
mation he said without them being given

260
00:12:44,210 --> 00:12:42,330
it it's not fair to any of us the

261
00:12:46,310 --> 00:12:44,220
federal government last year deemed

262
00:12:49,460 --> 00:12:46,320
parents who refuse to immunize their

263
00:12:52,220 --> 00:12:49,470

children receive no allowances these

264

00:12:55,820 --> 00:12:52,230

included child care benefits child care

265

00:12:57,800 --> 00:12:55,830

rebates and family tax benefits northern

266

00:13:01,450 --> 00:12:57,810

New South Wales health was contacted for

267

00:13:07,130 --> 00:13:01,460

comment and directed readers to ww

268

00:13:09,830 --> 00:13:07,140

immunize healthy ova you and that's the

269

00:13:12,710 --> 00:13:09,840

article there is a little side box which

270

00:13:16,810 --> 00:13:12,720

says vaccination and national program

271

00:13:19,730 --> 00:13:16,820

funds vaccines preventing flus measles

272

00:13:22,190 --> 00:13:19,740

meningococcal mumps whooping cough

273

00:13:25,430 --> 00:13:22,200

German measles chickenpox polio and

274

00:13:27,800 --> 00:13:25,440

lockjaw and the second point in that box

275

00:13:31,910 --> 00:13:27,810

is the approval process for a vaccine

276
00:13:33,860 --> 00:13:31,920
can take up to 10 years we decided that

277
00:13:36,980 --> 00:13:33,870
an open letter to the editor was in

278
00:13:39,140 --> 00:13:36,990
order which we sent via email post it on

279
00:13:42,410 --> 00:13:39,150
our Facebook page and post it on the

280
00:13:44,000 --> 00:13:42,420
Tweed Daily News Facebook page their

281
00:13:45,890 --> 00:13:44,010
Facebook page got a number of other

282
00:13:49,550 --> 00:13:45,900
comments from readers disappointed with

283
00:13:52,280 --> 00:13:49,560
the article fellow administrator of our

284
00:13:54,010 --> 00:13:52,290
group nrvs Alison Gaylord will now read

285
00:13:58,480 --> 00:13:54,020
out our open letter

286
00:14:00,880 --> 00:13:58,490
[Music]

287
00:14:03,940 --> 00:14:00,890
the Northern Rivers vaccination

288
00:14:06,370 --> 00:14:03,950

supporters nrvs would like to express

289

00:14:08,769 --> 00:14:06,380

our concern and deep dismay regarding

290

00:14:12,070 --> 00:14:08,779

Mitchell collies article anti-vaccine

291

00:14:15,610 --> 00:14:12,080

movement published on Wednesday the 25th

292

00:14:20,290 --> 00:14:15,620

of January 2017 on page seven of the

293

00:14:22,269 --> 00:14:20,300

Tweed Daily News nrvs was formed in 2012

294

00:14:25,120 --> 00:14:22,279

when a group of concerned community

295

00:14:27,090 --> 00:14:25,130

members realized how low the vaccination

296

00:14:29,590 --> 00:14:27,100

rates are in the Northern Rivers region

297

00:14:31,810 --> 00:14:29,600

there is much misinformation in this

298

00:14:33,040 --> 00:14:31,820

region regarding vaccines and our

299

00:14:35,470 --> 00:14:33,050

mission is to correct this

300

00:14:37,930 --> 00:14:35,480

misinformation where we see it and put

301
00:14:40,829 --> 00:14:37,940
out factual information regarding the

302
00:14:43,449 --> 00:14:40,839
efficacy and safety of vaccination a

303
00:14:45,850 --> 00:14:43,459
small community group has since grown

304
00:14:47,220 --> 00:14:45,860
substantially and we were recently

305
00:14:49,960 --> 00:14:47,230
endorsed by the world health

306
00:14:52,570 --> 00:14:49,970
organization as a reputable source of

307
00:14:55,480 --> 00:14:52,580
information on vaccine safety and now

308
00:14:57,120 --> 00:14:55,490
appear on their website we were very

309
00:15:00,460 --> 00:14:57,130
disappointed to see this article

310
00:15:03,730 --> 00:15:00,470
alongside a photo of two vaccine denying

311
00:15:06,250 --> 00:15:03,740
activists the photo alone is showing

312
00:15:08,319 --> 00:15:06,260
them promoting merchandise in relation

313
00:15:10,990 --> 00:15:08,329

to a film that maliciously spreads lies

314

00:15:13,150 --> 00:15:11,000

and misinformation and contains

315

00:15:17,199 --> 00:15:13,160

information easily demonstrated to be

316

00:15:20,199 --> 00:15:17,209

blatantly deceptive the film vax is

317

00:15:22,990 --> 00:15:20,209

backed and promoted by discredited dr.

318

00:15:25,120 --> 00:15:23,000

Andrew Wakefield stripped of his medical

319

00:15:27,310 --> 00:15:25,130

license by the UK's British Medical

320

00:15:29,500 --> 00:15:27,320

Council when it was revealed he

321

00:15:32,280 --> 00:15:29,510

performed unethical and unnecessary

322

00:15:34,540 --> 00:15:32,290

procedures on children and fraudulently

323

00:15:36,730 --> 00:15:34,550

misrepresented findings from a study he

324

00:15:40,000 --> 00:15:36,740

was involved in for which he stood to

325

00:15:42,040 --> 00:15:40,010

benefit financially it is frankly

326

00:15:44,290 --> 00:15:42,050

astounding that any journalist writing

327

00:15:46,630 --> 00:15:44,300

about vaccination would not be aware of

328

00:15:50,110 --> 00:15:46,640

Wakefield's history the article

329

00:15:52,170 --> 00:15:50,120

subheading tragedy prompts campaign is

330

00:15:54,910 --> 00:15:52,180

very misleading to the general public

331

00:15:57,699 --> 00:15:54,920

implying a correlation when there isn't

332

00:16:01,210 --> 00:15:57,709

one it is well known that vaccines do

333

00:16:03,160 --> 00:16:01,220

not cause cancer and the sv40 factor has

334

00:16:06,730 --> 00:16:03,170

never been shown to have a causative

335

00:16:10,900 --> 00:16:06,740

link to cancer in fact there are now

336

00:16:12,120 --> 00:16:10,910

vaccines Hep B and HPV that protect

337

00:16:15,010 --> 00:16:12,130

against certain cancer

338

00:16:16,990 --> 00:16:15,020

was the contrary information from Miss

339

00:16:18,820 --> 00:16:17,000

kousaka taken as a given by the

340

00:16:22,530 --> 00:16:18,830

journalist and editor of the Tweed Daily

341

00:16:25,690 --> 00:16:22,540

News informed consent is mentioned

342

00:16:27,700 --> 00:16:25,700

informed consent is very important but

343

00:16:31,600 --> 00:16:27,710

only when the information is gleaned

344

00:16:33,760 --> 00:16:31,610

from credible sources unfortunately

345

00:16:35,590 --> 00:16:33,770

anti-vaccination proponents do not

346

00:16:38,320 --> 00:16:35,600

gather their information from credible

347

00:16:40,840 --> 00:16:38,330

sources often their misinformation is

348

00:16:43,780 --> 00:16:40,850

obtained from anecdotes hearsay and

349

00:16:47,470 --> 00:16:43,790

sometimes conspiracy fueled social media

350

00:16:50,650 --> 00:16:47,480

sites governments and doctors do in fact

351

00:16:52,450 --> 00:16:50,660

advise what is in vaccines it is very

352

00:16:55,780 --> 00:16:52,460

easy to search this information from

353

00:16:57,580 --> 00:16:55,790

credible websites or your GP it is

354

00:17:00,130 --> 00:16:57,590

interesting to note that often when

355

00:17:02,020 --> 00:17:00,140

trying to discredit vaccines vaccine

356

00:17:04,540 --> 00:17:02,030

deniers will use the manufacturers

357

00:17:06,010 --> 00:17:04,550

inserts the very same documents they

358

00:17:09,220 --> 00:17:06,020

claim are being hidden by the

359

00:17:11,290 --> 00:17:09,230

authorities vaccines are stringently

360

00:17:13,420 --> 00:17:11,300

tested for years and undergo various

361

00:17:16,780 --> 00:17:13,430

trials before being used in the

362

00:17:18,910 --> 00:17:16,790

community on average it will take 10 to

363

00:17:22,180 --> 00:17:18,920

15 years for a vaccine to be approved

364

00:17:24,550 --> 00:17:22,190

for public use parents do already have

365

00:17:26,500 --> 00:17:24,560

to sign a form when their child is being

366

00:17:28,329 --> 00:17:26,510

vaccinated to show that they have

367

00:17:30,450 --> 00:17:28,339

received the information relevant to the

368

00:17:33,280 --> 00:17:30,460

vaccines being administered at the time

369

00:17:35,320 --> 00:17:33,290

they do not need to sign the form until

370

00:17:38,380 --> 00:17:35,330

they are satisfied with the information

371

00:17:40,930 --> 00:17:38,390

given Robert Deutsch is a well-known

372

00:17:42,850 --> 00:17:40,940

conspiracy proponent who believes that

373

00:17:45,490 --> 00:17:42,860

condensation trails from planes are

374

00:17:47,290 --> 00:17:45,500

actually chemtrails and that the

375

00:17:49,870 --> 00:17:47,300

population is being poisoned from the

376

00:17:51,730 --> 00:17:49,880

air it is concerning to think that

377

00:17:53,680 --> 00:17:51,740

worried parents may take advice from a

378

00:17:55,930 --> 00:17:53,690

conspiracy theorist and an

379

00:17:59,170 --> 00:17:55,940

anti-vaccination activist as a result of

380

00:18:01,000 --> 00:17:59,180

this irresponsible article we would like

381

00:18:03,190 --> 00:18:01,010

to pose the question of whether the

382

00:18:05,470 --> 00:18:03,200

journalist and editor followed the

383

00:18:07,090 --> 00:18:05,480

journalistic code of conduct all the

384

00:18:09,490 --> 00:18:07,100

principles of the Australian press

385

00:18:12,120 --> 00:18:09,500

council in fact checking any of the

386

00:18:14,620 --> 00:18:12,130

information published in the article

387

00:18:17,620 --> 00:18:14,630

nrvs has been involved in the past with

388

00:18:18,910 --> 00:18:17,630

your newspaper regarding vaccination the

389

00:18:20,230 --> 00:18:18,920

issue of false balance has been

390

00:18:22,420 --> 00:18:20,240

discussed at length with your

391

00:18:24,430 --> 00:18:22,430

journalists this makes it all the more

392

00:18:25,900 --> 00:18:24,440

disappointing that you have published

393

00:18:28,510 --> 00:18:25,910

such a fear mongering or

394

00:18:30,670 --> 00:18:28,520

to call if your readers would like

395

00:18:32,850 --> 00:18:30,680

credible information on vaccinations we

396

00:18:35,650 --> 00:18:32,860

would refer them to our website a

397

00:18:37,630 --> 00:18:35,660

parting thought would you interview a

398

00:18:39,340 --> 00:18:37,640

cosmologists regarding the complexities

399

00:18:42,220 --> 00:18:39,350

of the solar system and the known

400

00:18:44,350 --> 00:18:42,230

universe and then refer to Roger who

401
00:18:47,130 --> 00:18:44,360
believes the earth is flat for an

402
00:18:49,930 --> 00:18:47,140
alternative view thank you for your time

403
00:18:55,720 --> 00:18:49,940
sincerely Northern Rivers vaccination

404
00:18:58,900 --> 00:18:55,730
supporters a reply to my post on the

405
00:19:00,700 --> 00:18:58,910
Tweed Daily News Facebook page got a

406
00:19:04,650 --> 00:19:00,710
response from the editor after receiving

407
00:19:07,660 --> 00:19:04,660
no response via email the response read

408
00:19:09,700 --> 00:19:07,670
thanks for your letter Heidi we will

409
00:19:11,350 --> 00:19:09,710
publish it in our next edition tomorrow

410
00:19:13,660 --> 00:19:11,360
although it may be edited for length

411
00:19:16,390 --> 00:19:13,670
purposes could you send us the best

412
00:19:18,400 --> 00:19:16,400
contact numbers for your organization it

413
00:19:21,520 --> 00:19:18,410

may be worth doing a follow-up story

414

00:19:23,560 --> 00:19:21,530

giving your side and outlining your

415

00:19:26,500 --> 00:19:23,570

fight in the region against such

416

00:19:28,330 --> 00:19:26,510

anti-vaccination movement the reason we

417

00:19:30,040 --> 00:19:28,340

covered this story was because I thought

418

00:19:32,440 --> 00:19:30,050

it was interesting they were targeting

419

00:19:34,330 --> 00:19:32,450

our area although perhaps this was not

420

00:19:37,450 --> 00:19:34,340

relate in the article as well as it may

421

00:19:39,340 --> 00:19:37,460

have been personally I am a very strong

422

00:19:41,640 --> 00:19:39,350

supporter of vaccination having grown up

423

00:19:44,140 --> 00:19:41,650

in Africa where people fight for it as

424

00:19:48,250 --> 00:19:44,150

highlighted in a recent article on your

425

00:19:53,410 --> 00:19:48,260

website please contact me ash and then

426

00:19:55,300 --> 00:19:53,420

the editor gives her email address at

427

00:19:57,460 --> 00:19:55,310

the time of recording I have not been

428

00:20:00,370 --> 00:19:57,470

able to find out if our letter was in

429

00:20:02,620 --> 00:20:00,380

fact published we will be in touch with

430

00:20:04,510 --> 00:20:02,630

the editor about a follow-up story and

431

00:20:07,660 --> 00:20:04,520

we'll let you know if anything comes of

432

00:20:10,990 --> 00:20:07,670

it till next time this has been hiding

433

00:20:18,430 --> 00:20:11,000

robertson from nrvs find us on Facebook

434

00:20:19,640 --> 00:20:18,440

Twitter and our website wwn rvs info bye

435

00:20:34,020 --> 00:20:19,650

for now

436

00:20:40,000 --> 00:20:37,060

hello Richard and all the listeners of

437

00:20:42,940 --> 00:20:40,010

skeptic zone my name is Ron levy and I'm

438

00:20:45,400 --> 00:20:42,950

the producer and co-host of curious mind

439

00:20:51,760 --> 00:20:45,410

it's about cast about science technology

440

00:20:53,980 --> 00:20:51,770

and history at wwc em-pod cmp OD dot net

441

00:20:56,230 --> 00:20:53,990

each episode will bring you interesting

442

00:20:59,290 --> 00:20:56,240

stories from a wide range of subjects

443

00:21:01,750 --> 00:20:59,300

from physics astronomy and medicine from

444

00:21:03,580 --> 00:21:01,760

arts to science fiction we strive for

445

00:21:05,950 --> 00:21:03,590

the highest production values both in

446

00:21:08,680 --> 00:21:05,960

content and in delivery we already have

447

00:21:11,200 --> 00:21:08,690

on the air episodes about German u-boats

448

00:21:14,260 --> 00:21:11,210

in Second World War about the history of

449

00:21:18,360 --> 00:21:14,270

x-rays and the war of currents between

450

00:21:22,290 --> 00:21:18,370

Tesla and Edison come and have a listen

451

00:21:38,720 --> 00:21:33,820

[Music]

452

00:21:45,750 --> 00:21:42,540

wyd condemnation of pro acupuncture

453

00:21:49,050 --> 00:21:45,760

research paper on infant colic published

454

00:21:51,990 --> 00:21:49,060

at ww skeptics calm day you bite in

455

00:21:56,340 --> 00:21:52,000

mendham on the twenty-second of January

456

00:21:58,860 --> 00:21:56,350

2017 a controversial study that claims

457

00:22:00,960 --> 00:21:58,870

to have found proof that acupuncture is

458

00:22:04,260 --> 00:22:00,970

effective in treating colic in infants

459

00:22:06,480 --> 00:22:04,270

has been widely rebuked in fact even the

460

00:22:08,880 --> 00:22:06,490

associate editor of the journal where

461

00:22:11,010 --> 00:22:08,890

the study was published said quote in

462

00:22:14,400 --> 00:22:11,020

technical terms the study is negative

463

00:22:16,830 --> 00:22:14,410

dot the primary outcome did not turn out

464

00:22:19,140 --> 00:22:16,840

to be statistically significant end

465

00:22:22,110 --> 00:22:19,150

quote the paper was authored by two

466

00:22:25,500 --> 00:22:22,120

academics from lund university in sweden

467

00:22:28,560 --> 00:22:25,510

and involved blind testing of 147

468

00:22:31,140 --> 00:22:28,570

infants over two week period the infants

469

00:22:33,570 --> 00:22:31,150

were divided into three groups variously

470

00:22:35,430 --> 00:22:33,580

treated with traditional acupuncture up

471

00:22:38,520 --> 00:22:35,440

to five needle points minimal

472

00:22:41,010 --> 00:22:38,530

acupuncture one needle point and no

473

00:22:43,080 --> 00:22:41,020

acupuncture the authors claimed evidence

474

00:22:45,780 --> 00:22:43,090

that those infants treated with either

475

00:22:47,820 --> 00:22:45,790

form of acupuncture performed better in

476

00:22:51,000 --> 00:22:47,830

alleviating colic fussing and crying

477

00:22:53,880 --> 00:22:51,010

then those in the non acupuncture group

478

00:22:56,490 --> 00:22:53,890

the paper appeared in the acupuncture in

479

00:22:59,400 --> 00:22:56,500

medicine journal itself published by the

480

00:23:03,180 --> 00:22:59,410

British Medical Journal the B MJ's

481

00:23:06,360 --> 00:23:03,190

involvement with the a.i.m has been an

482

00:23:09,050 --> 00:23:06,370

aspect of debate that has also raised

483

00:23:12,000 --> 00:23:09,060

the eyebrows if not the ire of many

484

00:23:14,670 --> 00:23:12,010

commentators much criticism has been

485

00:23:18,680 --> 00:23:14,680

laid against the small sample size for

486

00:23:21,900 --> 00:23:18,690

the research michael cummings the a IM

487

00:23:24,450 --> 00:23:21,910

associate editor mentioned above agreed

488

00:23:27,420 --> 00:23:24,460

it was small but put that down to a lack

489

00:23:29,730 --> 00:23:27,430
of funding but most criticism by

490

00:23:33,380 --> 00:23:29,740
qualified commentators is in reference

491

00:23:36,480 --> 00:23:33,390
to the interpretation of the data and

492

00:23:39,779 --> 00:23:36,490
statistical significance if any of the

493

00:23:41,969 --> 00:23:39,789
results while cummings comment about

494

00:23:44,759 --> 00:23:41,979
the results being quote not

495

00:23:47,700 --> 00:23:44,769
statistically significant men quote may

496

00:23:50,570 --> 00:23:47,710
have been given begrudgingly others have

497

00:23:53,489 --> 00:23:50,580
been much more overt and harsher

498

00:23:55,379 --> 00:23:53,499
professor ed at Ernst emeritus professor

499

00:23:58,109 --> 00:23:55,389
of complementary medicine at the

500

00:23:59,940 --> 00:23:58,119
University of Exeter and noted

501
00:24:02,549 --> 00:23:59,950
campaigner against poor evidence in

502
00:24:05,789 --> 00:24:02,559
alternative medicine said that the study

503
00:24:08,879 --> 00:24:05,799
quote confirms previous research showing

504
00:24:11,489 --> 00:24:08,889
that acupuncture is a theatrical placebo

505
00:24:14,099 --> 00:24:11,499
the study was designed without an

506
00:24:16,320 --> 00:24:14,109
adequate placebo group therefore

507
00:24:18,269 --> 00:24:16,330
conclusions about specific therapeutic

508
00:24:21,779 --> 00:24:18,279
effects of acupuncture are not

509
00:24:24,239 --> 00:24:21,789
permissible quote we know that colicky

510
00:24:26,999 --> 00:24:24,249
babies respond even to minimal attention

511
00:24:30,440 --> 00:24:27,009
and this trial confirms that a little

512
00:24:33,649 --> 00:24:30,450
additional TLC will generate an effect

513
00:24:36,389 --> 00:24:33,659

the observed outcome is therefore not

514

00:24:39,149 --> 00:24:36,399

necessarily related to acupuncture end

515

00:24:41,849 --> 00:24:39,159

quote professor David Calhoun emeritus

516

00:24:44,629 --> 00:24:41,859

professor of pharmacology University

517

00:24:47,310 --> 00:24:44,639

College London was even blunter

518

00:24:49,529 --> 00:24:47,320

describing it as quote one of the worst

519

00:24:52,139 --> 00:24:49,539

papers in acupuncture that I've come

520

00:24:54,029 --> 00:24:52,149

across Calhoun who told Australian

521

00:24:56,879 --> 00:24:54,039

skeptics that quote I've been dealing

522

00:24:59,399 --> 00:24:56,889

with little else but this ever since it

523

00:25:02,489 --> 00:24:59,409

came out in quote said in the UK science

524

00:25:04,499 --> 00:25:02,499

media center roundup that quote the

525

00:25:06,299 --> 00:25:04,509

statistical analysis and the papers is

526
00:25:09,659 --> 00:25:06,309
incomplete this should have been

527
00:25:13,399 --> 00:25:09,669
detected by the referees but it wasn't

528
00:25:16,560 --> 00:25:13,409
for a start the opening statement a

529
00:25:20,299 --> 00:25:16,570
two-sided p-value lesser than or equal

530
00:25:23,700 --> 00:25:20,309
to 0.05 was considered statistically

531
00:25:25,560 --> 00:25:23,710
significant is simply unacceptable in

532
00:25:28,019 --> 00:25:25,570
the light of all the recent work about

533
00:25:30,599 --> 00:25:28,029
reproducibility when quote more details

534
00:25:33,029 --> 00:25:30,609
of Calhoun's views on the statistics

535
00:25:35,969 --> 00:25:33,039
procedure involved in the research can

536
00:25:38,339 --> 00:25:35,979
be found in the round up the paper

537
00:25:40,799 --> 00:25:38,349
received much publicity with hundreds of

538
00:25:43,349 --> 00:25:40,809

media outlets covering the research

539

00:25:46,710 --> 00:25:43,359

often basing their reports on a press

540

00:25:49,289 --> 00:25:46,720

release issued by the bmj calling the

541

00:25:52,780 --> 00:25:49,299

release quote hyperbole end quote and

542

00:25:55,540 --> 00:25:52,790

quote shockingly misleading and quote

543

00:25:58,570 --> 00:25:55,550

hoon said in his blog dc's in probable

544

00:26:00,820 --> 00:25:58,580

science that quote the bmj group should

545

00:26:03,040 --> 00:26:00,830

not be mixing up press releases about

546

00:26:05,680 --> 00:26:03,050

real medicine with press releases about

547

00:26:08,170 --> 00:26:05,690

quackery there seems to be something

548

00:26:10,510 --> 00:26:08,180

about quackery that's click bait for the

549

00:26:13,120 --> 00:26:10,520

mainstream media men quote nonetheless

550

00:26:15,430 --> 00:26:13,130

many media outlets also included

551
00:26:17,530 --> 00:26:15,440
comments from Calhoun and others

552
00:26:20,740 --> 00:26:17,540
decrying what they said were sloppy

553
00:26:24,040 --> 00:26:20,750
statistical analysis and over reaching

554
00:26:26,200 --> 00:26:24,050
conclusions the one person quoted in the

555
00:26:28,510 --> 00:26:26,210
science media center round up with a

556
00:26:31,240 --> 00:26:28,520
positive response was Professor George

557
00:26:33,790 --> 00:26:31,250
Lewis professor of Health Research at

558
00:26:36,070 --> 00:26:33,800
the University of Southampton who said

559
00:26:38,740 --> 00:26:36,080
quote this looks to me to be a

560
00:26:41,410 --> 00:26:38,750
good-sized fastidious well conducted

561
00:26:43,720 --> 00:26:41,420
study Cochrane a for an acupuncture

562
00:26:46,870 --> 00:26:43,730
trial in which the therapist cannot be

563
00:26:49,060 --> 00:26:46,880

blinded the outcome is clear and the

564

00:26:51,790 --> 00:26:49,070

power of the study seems reasonable

565

00:26:54,520 --> 00:26:51,800

which suggests that medical acupuncture

566

00:26:56,920 --> 00:26:54,530

is a reasonable and as far as we know

567

00:27:00,190 --> 00:26:56,930

safe intervention for infant colic and

568

00:27:03,670 --> 00:27:00,200

quote however Calhoun described Lueth as

569

00:27:06,310 --> 00:27:03,680

quote the well-known apologist for all

570

00:27:08,920 --> 00:27:06,320

things quack 'ish end quote adding that

571

00:27:12,070 --> 00:27:08,930

lueth showed what he called quote and

572

00:27:15,280 --> 00:27:12,080

ignorance of statistics that would shame

573

00:27:18,430 --> 00:27:15,290

and undergraduate end quote Calhoun

574

00:27:20,830 --> 00:27:18,440

summed up quote the design of the child

575

00:27:23,530 --> 00:27:20,840

is reasonable apart from the control

576

00:27:26,380 --> 00:27:23,540

group but the statistical analysis is

577

00:27:28,750 --> 00:27:26,390

appalling it's very likely that there

578

00:27:31,810 --> 00:27:28,760

aren't any real effects of acupuncture

579

00:27:33,730 --> 00:27:31,820

at all this paper serves more to muddy

580

00:27:36,550 --> 00:27:33,740

the waters then to add useful

581

00:27:39,570 --> 00:27:36,560

information it's a model for the sort of

582

00:27:42,700 --> 00:27:39,580

mistakes that have led to the crisis in

583

00:27:45,610 --> 00:27:42,710

reproducibility the bmj should not be

584

00:27:48,160 --> 00:27:45,620

publishing this sort of stuff and the

585

00:27:52,460 --> 00:27:48,170

referees seem to have no understanding

586

00:27:57,450 --> 00:27:55,590

and that was wide condemnation of pro

587

00:28:00,060 --> 00:27:57,460

acupuncture research paper on infant

588

00:28:02,810 --> 00:28:00,070

colic written by Tim mendham published

589

00:28:24,960 --> 00:28:02,820

on the twenty-second of January 2017 at

590

00:28:27,630 --> 00:28:24,970

ww skeptics calm a you and now direct

591

00:28:34,490 --> 00:28:27,640

from the cafe at Australia's science

592

00:28:39,390 --> 00:28:37,230

you all know about the trouble Samsung

593

00:28:41,520 --> 00:28:39,400

is having at the moment no doubt the

594

00:28:43,890 --> 00:28:41,530

cost of the company is going to be huge

595

00:28:46,980 --> 00:28:43,900

in terms of dollars I mean those

596

00:28:48,960 --> 00:28:46,990

fireproof boxes can't be cheap but the

597

00:28:51,840 --> 00:28:48,970

dollars cost is nothing compared to the

598

00:28:54,810 --> 00:28:51,850

environmental costs smartphones aren't

599

00:28:57,540 --> 00:28:54,820

really recycled not like our old school

600

00:28:59,550 --> 00:28:57,550

phones are we haven't really worked out

601
00:29:02,880 --> 00:28:59,560
how to do it and make use of the bits we

602
00:29:05,700 --> 00:29:02,890
end up with about 50 rare earth minerals

603
00:29:07,950 --> 00:29:05,710
and metals end up in your phone their

604
00:29:10,350 --> 00:29:07,960
mind from around the world transported

605
00:29:13,620 --> 00:29:10,360
to factories put into phones and shipped

606
00:29:15,600 --> 00:29:13,630
back around the world now Samsung's

607
00:29:19,200 --> 00:29:15,610
phones are being shipped around the

608
00:29:21,900 --> 00:29:19,210
world again only to have about 12 of

609
00:29:24,660 --> 00:29:21,910
those metals recycled the rest will be

610
00:29:27,170 --> 00:29:24,670
thrown away including all the rare stuff

611
00:29:30,030 --> 00:29:27,180
that the earth is fast running out of if

612
00:29:31,680 --> 00:29:30,040
Samsung hadn't glued in the battery they

613
00:29:34,140 --> 00:29:31,690

might have been able to recycle a few

614

00:29:36,150 --> 00:29:34,150

more but i guess if they hadn't glued in

615

00:29:39,810 --> 00:29:36,160

the battery we wouldn't be having this

616

00:29:42,570 --> 00:29:39,820

conversation yes Samsung will be taking

617

00:29:44,310 --> 00:29:42,580

a big loss on the Galaxy seven but the

618

00:29:48,480 --> 00:29:44,320

environment will be taking an even

619

00:29:53,620 --> 00:29:51,220

this week cycling fanatics are going

620

00:29:54,610 --> 00:29:53,630

crazy for the tour down under but if

621

00:29:57,039 --> 00:29:54,620

you're anything like me you're probably

622

00:30:00,279 --> 00:29:57,049

just wondering why the hell people put

623

00:30:03,249 --> 00:30:00,289

their bodies through such torture but

624

00:30:05,139 --> 00:30:03,259

what have you had some help what if you

625

00:30:07,659 --> 00:30:05,149

did what we will really wanted to do and

626

00:30:11,019 --> 00:30:07,669

you put a tiny electric motor in your

627

00:30:12,940 --> 00:30:11,029

life maybe it sounds unrealistic but the

628

00:30:15,430 --> 00:30:12,950

rule-makers of cycling are actually

629

00:30:17,230 --> 00:30:15,440

worried about cheats doing it just now

630

00:30:19,960 --> 00:30:17,240

French politicians have tried to make it

631

00:30:21,639 --> 00:30:19,970

a criminal offense in pro sport but

632

00:30:23,860 --> 00:30:21,649

every time there's a crackdown on one

633

00:30:26,680 --> 00:30:23,870

type of cheating another one turns up

634

00:30:28,299 --> 00:30:26,690

and hey while we don't condone it it's

635

00:30:29,940 --> 00:30:28,309

pretty interesting to see what the

636

00:30:32,200 --> 00:30:29,950

cheats are going to come up with next

637

00:30:34,889 --> 00:30:32,210

just think what they could do if they

638

00:30:37,690 --> 00:30:34,899

put their creativity to honest use and

639

00:30:39,759 --> 00:30:37,700

you know what for mere mortals like me a

640

00:30:41,529 --> 00:30:39,769

tiny motor in my bike is a great idea

641

00:30:43,539 --> 00:30:41,539

it's not going to make me the world

642

00:30:48,220 --> 00:30:43,549

champion but trust me I need all the

643

00:30:52,029 --> 00:30:48,230

help I can get for more brouhaha and

644

00:30:55,220 --> 00:30:52,039

Australian science head for ww Australia

645

00:31:07,180 --> 00:30:55,230

science TV

646

00:31:10,130 --> 00:31:07,190

[Music]

647

00:31:12,919 --> 00:31:10,140

now here's news of a meetup in Victoria

648

00:31:15,860 --> 00:31:12,929

the more d alec skeptics in the pub

649

00:31:17,900 --> 00:31:15,870

known as more d skeptics in the pub have

650

00:31:20,560 --> 00:31:17,910

a meeting on tuesday the seventh of

651

00:31:23,840 --> 00:31:20,570

februari starting at seven thirty p.m.

652

00:31:26,060 --> 00:31:23,850

UFO belief and religion by the one and

653

00:31:29,240 --> 00:31:26,070

only dr steve roberts an old friend of

654

00:31:32,270 --> 00:31:29,250

the skeptic zone dr steve roberts a UFO

655

00:31:34,490 --> 00:31:32,280

expert but how can anybody be an expert

656

00:31:37,159 --> 00:31:34,500

in something that is unknown hmmm will

657

00:31:39,890 --> 00:31:37,169

attempt to describe the UFO believers

658

00:31:42,950 --> 00:31:39,900

mindset drawing parallels with how

659

00:31:44,510 --> 00:31:42,960

religions develop steve's cheerful talk

660

00:31:47,690 --> 00:31:44,520

i'm reading this off the website folks

661

00:31:51,919 --> 00:31:47,700

just his cheerful talk will feature

662

00:31:55,159 --> 00:31:51,929

numerous jokes i hope so what's a UFO

663

00:31:57,350 --> 00:31:55,169

joke and relevant quotations from monty

664

00:32:00,110 --> 00:31:57,360

python's life of brian this does sound

665

00:32:02,390 --> 00:32:00,120

like a good talk all are welcome except

666

00:32:04,970 --> 00:32:02,400

the popular front of Judea yes very much

667

00:32:07,730 --> 00:32:04,980

Steve Roberts is a long-standing member

668

00:32:10,549 --> 00:32:07,740

of Australian skeptics and he is the

669

00:32:12,200 --> 00:32:10,559

author of dr. Bob's trivia quiz the

670

00:32:15,020 --> 00:32:12,210

answers to which you will not find in

671

00:32:17,240 --> 00:32:15,030

any encyclopedia steve has a PhD in

672

00:32:20,930 --> 00:32:17,250

chemistry but now works as a consultant

673

00:32:23,659 --> 00:32:20,940

and cryptologist for major banks he even

674

00:32:27,440 --> 00:32:23,669

worked as an intelligence analyst during

675

00:32:31,159 --> 00:32:27,450

the Cold War Steve don't retire just yet

676

00:32:33,049 --> 00:32:31,169

anyway UFOs belief and religion by dr.

677

00:32:35,240 --> 00:32:33,059

Steve Roberts it sounds like a really

678

00:32:38,180 --> 00:32:35,250

great talk for more information just

679

00:32:41,299 --> 00:32:38,190

google more d alec skeptics in the pub

680

00:32:43,549 --> 00:32:41,309

or mor di Morty skeptics in the pub will

681

00:32:46,669 --> 00:32:43,559

simply click the link in this week's

682

00:32:49,850 --> 00:32:46,679

show notes so that's Tuesday the seventh

683

00:32:52,020 --> 00:32:49,860

of februari at seven thirty PM Modi Alec

684

00:33:06,190 --> 00:32:52,030

sporting club in Victoria

685

00:33:13,750 --> 00:33:10,879

here's Maynard spooky action at a

686

00:33:21,100 --> 00:33:18,120

ooh maenad spooky action at a distance

687

00:33:22,600 --> 00:33:21,110

named after oh another thing that swap

688

00:33:23,830 --> 00:33:22,610

so everyone's idea that I don't know

689

00:33:25,990 --> 00:33:23,840

look it up at home and speaking of

690

00:33:28,540 --> 00:33:26,000

looking it up look up Richard Saunders

691

00:33:30,540 --> 00:33:28,550

hello may night I love to come here to

692

00:33:33,670 --> 00:33:30,550

visit the Maynard international Studios

693

00:33:35,320 --> 00:33:33,680

annex yes we're just watching two shows

694

00:33:37,120 --> 00:33:35,330

at the moment on the TV we've been

695

00:33:39,880 --> 00:33:37,130

watching out what on earth which is a

696

00:33:42,160 --> 00:33:39,890

show about satellite photos that people

697

00:33:44,740 --> 00:33:42,170

speculate about and we're watching now

698

00:33:46,930 --> 00:33:44,750

you have been warned which has a whole

699

00:33:48,610 --> 00:33:46,940

bunch of people doing wacky stuff on

700

00:33:50,590 --> 00:33:48,620

video shows that they do sometimes

701
00:33:52,360 --> 00:33:50,600
hurting themselves but it has scientists

702
00:33:54,400 --> 00:33:52,370
explaining the parabola like if you go

703
00:33:56,950 --> 00:33:54,410
to jump a bike over a roof how fav that

704
00:33:58,360 --> 00:33:56,960
I come from to do it and you know what I

705
00:34:00,490 --> 00:33:58,370
only come over here may not to watch

706
00:34:02,410 --> 00:34:00,500
your cable TV from time to time towards

707
00:34:04,300 --> 00:34:02,420
these crazy shows but it's a lot of fun

708
00:34:06,880 --> 00:34:04,310
yes actually watching someone boiling

709
00:34:08,169 --> 00:34:06,890
coffee in sand at the moment and that's

710
00:34:10,000 --> 00:34:08,179
all got something to do with inductive

711
00:34:11,620 --> 00:34:10,010
heating or something it's very

712
00:34:13,570 --> 00:34:11,630
educational well I'd say what's

713
00:34:16,720 --> 00:34:13,580

educational too as you know I listened

714

00:34:18,190 --> 00:34:16,730

to the the true sound of the universe I

715

00:34:21,040 --> 00:34:18,200

like a lot of alternative punk

716

00:34:21,970 --> 00:34:21,050

alternative podcasts with and I think

717

00:34:25,629 --> 00:34:21,980

you would describe them as having

718

00:34:28,330 --> 00:34:25,639

alternative facts Richard you've got

719

00:34:29,649 --> 00:34:28,340

that bad no I do enjoy your segments

720

00:34:31,330 --> 00:34:29,659

every now and then on the skeptics and

721

00:34:33,760 --> 00:34:31,340

where is it every now and then we don't

722

00:34:35,530 --> 00:34:33,770

know yet what's may not listening to and

723

00:34:37,510 --> 00:34:35,540

here's another one here's one that came

724

00:34:40,510 --> 00:34:37,520

out this week one the podcasts are like

725

00:34:43,330 --> 00:34:40,520

listening to is called podcast UFO now

726

00:34:45,340 --> 00:34:43,340

the host is Martin Willis and they also

727

00:34:48,460 --> 00:34:45,350

have giving weekly updates and this is

728

00:34:50,800 --> 00:34:48,470

worth listening to whether you are fan

729

00:34:53,680 --> 00:34:50,810

who you f ology or not that's Alejandro

730

00:34:55,899 --> 00:34:53,690

Rogers he gives weekly updates and he

731

00:34:57,340 --> 00:34:55,909

just mentions all the latest sightings

732

00:34:58,450 --> 00:34:57,350

that have been around and he's not

733

00:35:00,280 --> 00:34:58,460

saying that these things are definitely

734

00:35:02,470 --> 00:35:00,290

craft from outer space he's just saying

735

00:35:05,680 --> 00:35:02,480

telling you where the lights are in the

736

00:35:08,320 --> 00:35:05,690

sky there was a recent UFO flap down

737

00:35:09,880 --> 00:35:08,330

Chile way there was a an infrared photo

738

00:35:11,320 --> 00:35:09,890

they released that the Chilean

739

00:35:14,440 --> 00:35:11,330

government couldn't work out what it was

740

00:35:17,110 --> 00:35:14,450

I think and it turned out to be one of

741

00:35:20,050 --> 00:35:17,120

those very large airliners flying flying

742

00:35:21,400 --> 00:35:20,060

away front from the camera and so it was

743

00:35:22,900 --> 00:35:21,410

worked out that that's turned out what

744

00:35:24,340 --> 00:35:22,910

it was so that's why they couldn't work

745

00:35:26,410 --> 00:35:24,350

out the distance in size of this object

746

00:35:27,080 --> 00:35:26,420

cuz it was very big and it was away from

747

00:35:30,560 --> 00:35:27,090

the camera

748

00:35:32,300 --> 00:35:30,570

and how did you discover this one it's

749

00:35:34,460 --> 00:35:32,310

yeah and what it what a great name I

750

00:35:38,180 --> 00:35:34,470

must say for a website in a podcast

751
00:35:39,800 --> 00:35:38,190
podcast UFO ponticar podcast UFO calm is

752
00:35:41,330 --> 00:35:39,810
where it's at and they talked to all

753
00:35:42,920 --> 00:35:41,340
sorts of well look because I just look

754
00:35:44,480 --> 00:35:42,930
around I just look around i look at you

755
00:35:46,820 --> 00:35:44,490
followed you all that sort of thing and

756
00:35:48,440 --> 00:35:46,830
you know um that's what i'm doing later

757
00:35:50,480 --> 00:35:48,450
tonight people you might think i'm doing

758
00:35:52,250 --> 00:35:50,490
other stuff but that's what I'm doing

759
00:35:55,280 --> 00:35:52,260
late at night but the latest guests they

760
00:35:57,920 --> 00:35:55,290
had i believe it was showed 237 i think

761
00:35:59,780 --> 00:35:57,930
it was they had nick redfern now Nick

762
00:36:02,540 --> 00:35:59,790
Redfern used to work for the ministry of

763
00:36:04,400 --> 00:36:02,550

defense in the UK looking after the part

764

00:36:06,950 --> 00:36:04,410

the Department of strange sightings and

765

00:36:09,230 --> 00:36:06,960

things like that he would sort of note

766

00:36:10,580 --> 00:36:09,240

them I don't think he had any power to

767

00:36:12,520 --> 00:36:10,590

do much investigation but he'd certainly

768

00:36:15,170 --> 00:36:12,530

note them and see what was going on and

769

00:36:18,140 --> 00:36:15,180

he was a guest on the show and towards

770

00:36:21,440 --> 00:36:18,150

the end of that show on that podcast 237

771

00:36:24,620 --> 00:36:21,450

they asked him what would be the

772

00:36:28,160 --> 00:36:24,630

definitive evidence that would convince

773

00:36:30,140 --> 00:36:28,170

skeptics that UFOs are a real phenomena

774

00:36:33,380 --> 00:36:30,150

of some sort and not just some sort of

775

00:36:35,500 --> 00:36:33,390

thing that people are imagining and this

776

00:36:37,640 --> 00:36:35,510

is what he said and I think you want to

777

00:36:39,200 --> 00:36:37,650

phrase this as a question to the

778

00:36:41,030 --> 00:36:39,210

audience I do now we'll get about to

779

00:36:44,660 --> 00:36:41,040

play a clip from this this show the

780

00:36:46,910 --> 00:36:44,670

podcast UFO and have a listen to this

781

00:36:51,680 --> 00:36:46,920

clip have a listen to the arguments and

782

00:36:53,570 --> 00:36:51,690

we would like your response now do you

783

00:36:55,940 --> 00:36:53,580

think there are some logical fallacies

784

00:36:58,340 --> 00:36:55,950

going on here if so which ones are they

785

00:37:00,200 --> 00:36:58,350

and can you sort of explain those when

786

00:37:02,630 --> 00:37:00,210

you come up with your answers go to our

787

00:37:04,970 --> 00:37:02,640

facebook page a facebook page of the

788

00:37:08,480 --> 00:37:04,980

skeptic zone i'll link ad-skipping zone

789

00:37:10,150 --> 00:37:08,490

TV and in the comment sections for this

790

00:37:12,680 --> 00:37:10,160

week's episode give us your thoughts

791

00:37:16,640 --> 00:37:12,690

let's have a listen as a Martin Willis

792

00:37:19,610 --> 00:37:16,650

asks guest Nick Redfern on episode 237 a

793

00:37:21,830 --> 00:37:19,620

podcast UFO and see what you think yeah

794

00:37:24,710 --> 00:37:21,840

so when I've talked to skeptics I've had

795

00:37:26,000 --> 00:37:24,720

a few on the show in the past and you

796

00:37:28,700 --> 00:37:26,010

know I've asked them a question what

797

00:37:32,360 --> 00:37:28,710

type of proof would you actually need

798

00:37:34,310 --> 00:37:32,370

and they that the answers I get are

799

00:37:36,860 --> 00:37:34,320

always the same you know physical

800

00:37:38,560 --> 00:37:36,870

evidence something they can you know

801
00:37:40,720 --> 00:37:38,570
research in you know

802
00:37:44,740 --> 00:37:40,730
in their hands type of thing I remember

803
00:37:48,280 --> 00:37:44,750
of seth shostack from SETI said he would

804
00:37:51,640 --> 00:37:48,290
need a wing in the Smithsonian with UFO

805
00:37:53,980 --> 00:37:51,650
parts in it before he believed in it so

806
00:37:57,100 --> 00:37:53,990
well you know I mean I understand sort

807
00:38:02,530 --> 00:37:57,110
of the need for evidence but you know

808
00:38:04,030 --> 00:38:02,540
sometimes the body of data be certain if

809
00:38:06,460 --> 00:38:04,040
not proof it's definitely sort of

810
00:38:09,130 --> 00:38:06,470
persuasive I mean you know there are

811
00:38:11,110 --> 00:38:09,140
examples where people have been found

812
00:38:15,070 --> 00:38:11,120
guilty of murder when there's nobody you

813
00:38:16,750 --> 00:38:15,080

know millions of twelve billions of

814

00:38:18,970 --> 00:38:16,760

people not millions millions of people

815

00:38:21,610 --> 00:38:18,980

millions of people you know believe in a

816

00:38:24,160 --> 00:38:21,620

God you know and I'm sort of open-minded

817

00:38:26,410 --> 00:38:24,170

on the whole phenomenon of that as to

818

00:38:29,530 --> 00:38:26,420

what you know the situation really is

819

00:38:32,620 --> 00:38:29,540

but you know I don't mean this we

820

00:38:34,120 --> 00:38:32,630

disrespect I mainly just as a fact you

821

00:38:38,080 --> 00:38:34,130

know billions of people believe in the

822

00:38:39,730 --> 00:38:38,090

existence of a god unbelief alone you

823

00:38:41,260 --> 00:38:39,740

know and there's nothing wrong with that

824

00:38:43,360 --> 00:38:41,270

you know I don't have a problem with

825

00:38:47,230 --> 00:38:43,370

people who have faith or anything like

826

00:38:51,490 --> 00:38:47,240

that at all but you know I think you

827

00:38:53,140 --> 00:38:51,500

can't criticize ufology for believing

828

00:38:55,270 --> 00:38:53,150

the accounts and believing the

829

00:38:58,060 --> 00:38:55,280

statistics when somebody else believes

830

00:39:01,930 --> 00:38:58,070

you know that when they died some part

831

00:39:05,230 --> 00:39:01,940

of the body continues you know so I

832

00:39:07,810 --> 00:39:05,240

think in that sense if we're going to be

833

00:39:12,340 --> 00:39:07,820

criticized for believing in things then

834

00:39:14,890 --> 00:39:12,350

that should apply across the board or it

835

00:39:17,500 --> 00:39:14,900

shouldn't apply at all you know I think

836

00:39:20,650 --> 00:39:17,510

we were flying triangles do we have a

837

00:39:23,800 --> 00:39:20,660

flying triangle in hand no we don't can

838

00:39:25,900 --> 00:39:23,810

we make a persuasive case but allows us

839

00:39:28,180 --> 00:39:25,910

to believe these things are real yes we

840

00:39:30,940 --> 00:39:28,190

can because of you know we have a few

841

00:39:34,720 --> 00:39:30,950

photographs and we have highly credible

842

00:39:38,020 --> 00:39:34,730

testimony from military personnel so in

843

00:39:40,780 --> 00:39:38,030

that sense you know belief you know

844

00:39:42,970 --> 00:39:40,790

become sort of a blurry line really well

845

00:39:44,800 --> 00:39:42,980

see for me that's a that's a that's an

846

00:39:47,680 --> 00:39:44,810

argument to me that it obscures it a bit

847

00:39:49,510 --> 00:39:47,690

because I I would actually say that if

848

00:39:51,520 --> 00:39:49,520

people are experiencing or witnessing

849

00:39:51,970 --> 00:39:51,530

something there is a phenomenon going on

850

00:39:54,280 --> 00:39:51,980

even

851

00:39:55,750 --> 00:39:54,290

it isn't purely physical well I don't

852

00:39:57,760 --> 00:39:55,760

want to say too much because I've made

853

00:40:00,460 --> 00:39:57,770

up when I listened to it I was in fact

854

00:40:02,890 --> 00:40:00,470

mentioning to you off microphone oh this

855

00:40:04,870 --> 00:40:02,900

this this logical fallacy in this chain

856

00:40:06,520 --> 00:40:04,880

of arguments but we are interested in

857

00:40:08,200 --> 00:40:06,530

what you think dear listeners what you

858

00:40:10,150 --> 00:40:08,210

think yeah well you you suggested a

859

00:40:11,500 --> 00:40:10,160

Latin phrase i think it was caveat

860

00:40:12,670 --> 00:40:11,510

emptor or something like that and I

861

00:40:21,099 --> 00:40:12,680

thought well it's got nothing to do it

862

00:40:23,680 --> 00:40:21,109

shopping at aldi but I digress then yes

863

00:40:26,080 --> 00:40:23,690

yes okay yes oh yes oh so people can go

864

00:40:27,730 --> 00:40:26,090

where and do what all right if you go if

865

00:40:29,740 --> 00:40:27,740

you go to a facebook and just look up

866

00:40:32,859 --> 00:40:29,750

the skeptic zone and go to our facebook

867

00:40:35,859 --> 00:40:32,869

page or go to skeptics zone dot TV there

868

00:40:38,290 --> 00:40:35,869

is a link there to the facebook page and

869

00:40:39,730 --> 00:40:38,300

every week in fact you can if you so

870

00:41:02,890 --> 00:40:39,740

wish you can put your comments up there

871

00:41:09,190 --> 00:41:07,539

hey Richard oh hi Trish well would you

872

00:41:11,380 --> 00:41:09,200

like a coffee yeah thanks what you're

873

00:41:13,779 --> 00:41:11,390

working on trying to come up with a new

874

00:41:16,569 --> 00:41:13,789

promo to play on the skeptic zone who's

875

00:41:19,000 --> 00:41:16,579

it for the good thinking society in the

876

00:41:21,339 --> 00:41:19,010

UK you know Michael Marshall Simon Singh

877

00:41:23,109 --> 00:41:21,349

Nora Thomas and black cloud oh yeah I

878

00:41:25,349 --> 00:41:23,119

know them they've been doing some great

879

00:41:28,329 --> 00:41:25,359

work investigating veterinary homeopathy

880

00:41:30,700 --> 00:41:28,339

fit Andrey homeopathy what you sugarpill

881

00:41:31,870 --> 00:41:30,710

this for cows I know right and also

882

00:41:34,049 --> 00:41:31,880

they're looking at some of the dodgy

883

00:41:36,309 --> 00:41:34,059

medical advice given by UK chiropractors

884

00:41:39,460 --> 00:41:36,319

really okay look I'll mention all that

885

00:41:43,839 --> 00:41:39,470

in the promo now their website is good

886

00:41:45,160 --> 00:41:43,849

thinking society org and they've

887

00:41:46,930 --> 00:41:45,170

recently been reporting on the

888

00:41:49,569 --> 00:41:46,940

resurgence of faith healer peter Popoff

889

00:41:50,950 --> 00:41:49,579

Peter Piper right okay look thanks to

890

00:41:58,070 --> 00:41:50,960

that it gives me something good to think

891

00:41:58,080 --> 00:42:02,589

[Music]

892

00:42:10,370 --> 00:42:05,780

from the blog of Professor ettes at

893

00:42:12,290 --> 00:42:10,380

ernst at X at burnstow com published on

894

00:42:15,920 --> 00:42:12,300

the tenth of december twenty sixteen

895

00:42:22,430 --> 00:42:15,930

when skeptics criticize homeopathy they

896

00:42:25,609 --> 00:42:22,440

are often wrong yes this post might come

897

00:42:27,740 --> 00:42:25,619

as a surprise to some and no i'm not

898

00:42:30,470 --> 00:42:27,750

changing sides in the debate about

899

00:42:33,200 --> 00:42:30,480

homeopathy but i have long felt that

900

00:42:35,660 --> 00:42:33,210

when skeptics criticize homeopathy they

901
00:42:38,109 --> 00:42:35,670
often wrong foot themselves by using

902
00:42:41,520 --> 00:42:38,119
arguments which are not entirely correct

903
00:42:44,170 --> 00:42:41,530
here i want to list at seven of them

904
00:42:48,140 --> 00:42:44,180
[Music]

905
00:42:51,620 --> 00:42:48,150
homeopathy is one single well-defined

906
00:42:54,620 --> 00:42:51,630
entity during the last two hundred years

907
00:42:57,500 --> 00:42:54,630
many different variations of Hanuman's

908
00:43:00,170 --> 00:42:57,510
classical homeopathy have emerged for

909
00:43:03,410 --> 00:43:00,180
instance clinical homeopathy complex

910
00:43:04,700 --> 00:43:03,420
homeopathy and ico pathy strictly

911
00:43:06,920 --> 00:43:04,710
speaking they should be differentiated

912
00:43:13,640 --> 00:43:06,930
and it would not be correct to

913
00:43:15,890 --> 00:43:13,650

generalize across all of them in the 200

914

00:43:20,089 --> 00:43:15,900

years history of homeopathy homeopaths

915

00:43:22,000 --> 00:43:20,099

have done no good at all hanuman and his

916

00:43:25,160 --> 00:43:22,010

followers can be credited with

917

00:43:27,950 --> 00:43:25,170

considerable achievements foremost they

918

00:43:29,960 --> 00:43:27,960

realized that 200 years ago most of the

919

00:43:33,920 --> 00:43:29,970

conventional treatments in common use

920

00:43:36,349 --> 00:43:33,930

were not just useless but often outright

921

00:43:38,780 --> 00:43:36,359

dangerous their criticism of quote

922

00:43:41,480 --> 00:43:38,790

heroic medicine and quote help to

923

00:43:44,180 --> 00:43:41,490

initiate crucial reforms and to improve

924

00:43:46,210 --> 00:43:44,190

health care for the benefit of millions

925

00:43:49,190 --> 00:43:46,220

[Music]

926
00:43:52,060 --> 00:43:49,200
no theories to explain how homeopathy

927
00:43:54,620 --> 00:43:52,070
might work have ever been put forward

928
00:43:57,470 --> 00:43:54,630
there are several theories which might

929
00:44:00,560 --> 00:43:57,480
go some way in explaining how homeopathy

930
00:44:03,050 --> 00:44:00,570
works but all of them are currently just

931
00:44:05,630 --> 00:44:03,060
theories and none provides a full

932
00:44:06,279 --> 00:44:05,640
explanation as to the mechanism of

933
00:44:09,549 --> 00:44:06,289
action

934
00:44:11,709 --> 00:44:09,559
of highly diluted remedies yet to claim

935
00:44:13,709 --> 00:44:11,719
that homeopathy is totally implausible

936
00:44:20,949 --> 00:44:13,719
might be a counterproductive

937
00:44:23,049 --> 00:44:20,959
exaggeration there is nothing in it many

938
00:44:26,949 --> 00:44:23,059

skeptics claim that homeopathic remedies

939

00:44:28,900 --> 00:44:26,959

are devoid of active ingredients yet not

940

00:44:31,529 --> 00:44:28,910

all some pathak remedies are highly

941

00:44:34,269 --> 00:44:31,539

diluted some can contain

942

00:44:36,459 --> 00:44:34,279

pharmacologically active compounds for

943

00:44:38,919 --> 00:44:36,469

affecting human health these

944

00:44:44,979 --> 00:44:38,929

preparations therefore cannot be

945

00:44:47,049 --> 00:44:44,989

classified as implausible there is no

946

00:44:50,019 --> 00:44:47,059

credible evidence at all that might

947

00:44:52,239 --> 00:44:50,029

support homeopathy several well

948

00:44:54,400 --> 00:44:52,249

conducted clinical studies of homeopathy

949

00:44:57,849 --> 00:44:54,410

with positive results have been

950

00:44:59,739 --> 00:44:57,859

published it is therefore not true to

951
00:45:02,370 --> 00:44:59,749
claim that there is no good trial

952
00:45:05,409 --> 00:45:02,380
evidence at all to support homeopathy

953
00:45:07,949 --> 00:45:05,419
the much better point skeptics should

954
00:45:10,509 --> 00:45:07,959
make is that the totality of the

955
00:45:12,969 --> 00:45:10,519
reliable evidence fails to show that

956
00:45:19,179 --> 00:45:12,979
highly dilute homeopathic remedies are

957
00:45:21,579 --> 00:45:19,189
more effective than placebos homeopaths

958
00:45:24,759 --> 00:45:21,589
aim at deceiving their patients because

959
00:45:26,949 --> 00:45:24,769
they have nothing to offer them it would

960
00:45:29,919 --> 00:45:26,959
be wrong to claim that all homeopaths

961
00:45:31,809 --> 00:45:29,929
aim at deceiving their patients and it

962
00:45:33,849 --> 00:45:31,819
would be misleading to say that

963
00:45:35,859 --> 00:45:33,859

homeopaths have nothing to offer to

964

00:45:38,559 --> 00:45:35,869

their patients many patients have

965

00:45:40,479 --> 00:45:38,569

homeopaths primarily treasure the long

966

00:45:42,399 --> 00:45:40,489

compassionate consultations that

967

00:45:45,309 --> 00:45:42,409

homeopaths have with their patients and

968

00:45:48,819 --> 00:45:45,319

see the homeopathic remedy as secondary

969

00:45:51,219 --> 00:45:48,829

seen from this perspective homeopaths do

970

00:45:57,189 --> 00:45:51,229

offer something that many patients value

971

00:46:00,239 --> 00:45:57,199

highly patients who use homeopathy must

972

00:46:02,589 --> 00:46:00,249

be stupid it would be arrogant

973

00:46:04,989 --> 00:46:02,599

consulting and counterproductive to

974

00:46:08,349 --> 00:46:04,999

claim that everyone who uses homeopathy

975

00:46:10,839 --> 00:46:08,359

is stupid patients consult homeopaths

976
00:46:12,519 --> 00:46:10,849
mostly because they have a needs which

977
00:46:15,159 --> 00:46:12,529
are not being met by conventional

978
00:46:17,739 --> 00:46:15,169
medicine but which they feel taken care

979
00:46:19,810 --> 00:46:17,749
of by homeopathy seen from this

980
00:46:21,850 --> 00:46:19,820
perspective the current popular

981
00:46:24,580 --> 00:46:21,860
verity of homeopathy in some countries

982
00:46:27,460 --> 00:46:24,590
is a poignant criticism of conventional

983
00:46:29,920 --> 00:46:27,470
medicine to dismiss it as stupidity

984
00:46:31,900 --> 00:46:29,930
means missing a chance to learn an

985
00:46:34,870 --> 00:46:31,910
important lesson and to improve

986
00:46:37,840 --> 00:46:34,880
mainstream health care I know my stance

987
00:46:39,730 --> 00:46:37,850
here can easily get misunderstood but

988
00:46:41,590 --> 00:46:39,740

please don't get me wrong i am not

989

00:46:43,810 --> 00:46:41,600

saying that homeopathy is a useful

990

00:46:46,390 --> 00:46:43,820

therapy nor am I suggesting that we

991

00:46:48,940 --> 00:46:46,400

should not criticize it or stop public

992

00:46:51,430 --> 00:46:48,950

funding for it all that I am trying to

993

00:46:54,040 --> 00:46:51,440

convey here is when we criticize

994

00:46:57,070 --> 00:46:54,050

homeopathy we ought to make sure our

995

00:46:59,590 --> 00:46:57,080

arguments are factually correct if not

996

00:47:02,470 --> 00:46:59,600

we only give ammunition to our opponents

997

00:47:04,720 --> 00:47:02,480

in a nutshell I don't wish to undermine

998

00:47:08,320 --> 00:47:04,730

our arguments but I want them to be more

999

00:47:09,940 --> 00:47:08,330

effective and that was when skeptics

1000

00:47:12,550 --> 00:47:09,950

criticized homeopathy they are often

1001
00:47:14,290 --> 00:47:12,560
wrong written by heads up Ernst

1002
00:47:18,070 --> 00:47:14,300
published on the 10th for december at

1003
00:47:19,110 --> 00:47:18,080
its hard ernst calm with a link in this

1004
00:47:31,560 --> 00:47:19,120
week's show notes

1005
00:47:34,060 --> 00:47:31,570
[Music]

1006
00:47:36,310 --> 00:47:34,070
quack watch your guide to quackery

1007
00:47:39,670 --> 00:47:36,320
health fraud and intelligent decisions

1008
00:47:41,710 --> 00:47:39,680
operated by Steven Barrett MD crack

1009
00:47:43,330 --> 00:47:41,720
watch is now an international network of

1010
00:47:45,550 --> 00:47:43,340
people who concerned about

1011
00:47:48,070 --> 00:47:45,560
health-related frauds myths fans

1012
00:47:50,920 --> 00:47:48,080
fallacies and misconduct its primary

1013
00:47:53,380 --> 00:47:50,930

focus is on quackery related information

1014

00:47:56,200 --> 00:47:53,390

that is difficult or impossible to get

1015

00:47:59,590 --> 00:47:56,210

elsewhere articles on quackery include

1016

00:48:03,210 --> 00:47:59,600

quackery how should it be defined how it

1017

00:48:06,430 --> 00:48:03,220

sells 26 ways to spot it how it comes

1018

00:48:08,920 --> 00:48:06,440

cancer patients 7 warning signs for

1019

00:48:11,910 --> 00:48:08,930

bogus science why health professionals

1020

00:48:13,840 --> 00:48:11,920

become quacks and many more including

1021

00:48:17,530 --> 00:48:13,850

in-depth looks at acupuncture

1022

00:48:22,790 --> 00:48:17,540

chiropractic homeopathy naturopathy and

1023

00:48:39,720 --> 00:48:22,800

much more visit [www quack watch com](http://www.quackwatch.com)

1024

00:48:44,950 --> 00:48:42,040

thank you for listening to the skeptic

1025

00:48:47,650 --> 00:48:44,960

zone was that expression that famous old

1026

00:48:51,579 --> 00:48:47,660

cliche may you live in interesting times

1027

00:48:54,700 --> 00:48:51,589

well we are living in interesting times

1028

00:48:58,870 --> 00:48:54,710

I wonder what this next week will bring

1029

00:49:01,900 --> 00:48:58,880

us newswise from the United States it's

1030

00:49:05,050 --> 00:49:01,910

it's hard to keep up with it really is

1031

00:49:06,339 --> 00:49:05,060

it's it's staggering as I mentioned at

1032

00:49:08,530 --> 00:49:06,349

the top of the show there may well be

1033

00:49:10,780 --> 00:49:08,540

some sort of protest march organized by

1034

00:49:16,120 --> 00:49:10,790

the scientific community now one of the

1035

00:49:18,579 --> 00:49:16,130

things that worried me long before we

1036

00:49:20,920 --> 00:49:18,589

heard about the real action taken by the

1037

00:49:24,400 --> 00:49:20,930

Trump administration or they're trying

1038

00:49:28,859 --> 00:49:24,410

was the fact that vice president Pence

1039

00:49:33,010 --> 00:49:28,869

is a well he seems to be a creationist

1040

00:49:34,180 --> 00:49:33,020

so I'm sure my friend Eugenie Scott who

1041

00:49:35,800 --> 00:49:34,190

worked for the National Center for

1042

00:49:38,020 --> 00:49:35,810

Science Education is equally concerned

1043

00:49:39,700 --> 00:49:38,030

about that I might see if I can

1044

00:49:42,069 --> 00:49:39,710

have a word to Jeanne about that anyway

1045

00:49:43,870 --> 00:49:42,079

lots happening in the world when it

1046

00:49:46,809 --> 00:49:43,880

comes to science and reason these days

1047

00:49:48,550 --> 00:49:46,819

folks we live in an interesting time

1048

00:49:50,200 --> 00:49:48,560

indeed thank you to those people who

1049

00:49:53,349 --> 00:49:50,210

find the skeptic sound interesting and

1050

00:49:56,349 --> 00:49:53,359

interesting enough to support the show

1051
00:49:57,819 --> 00:49:56,359
by patreon or just via micro payments at

1052
00:50:01,900 --> 00:49:57,829
PayPal and you can do all that at

1053
00:50:05,650 --> 00:50:01,910
skeptic zone dot TV the microphone I'm

1054
00:50:07,510 --> 00:50:05,660
speaking into right now was bought by

1055
00:50:09,880 --> 00:50:07,520
listeners of the skeptic zone via those

1056
00:50:11,980 --> 00:50:09,890
contributions and I thank you very much

1057
00:50:14,440 --> 00:50:11,990
and thank you to those people who also

1058
00:50:19,510 --> 00:50:14,450
support our reporter Maynard at Maynard

1059
00:50:21,400 --> 00:50:19,520
calm da to or patreon.com / Maynard for

1060
00:50:24,730 --> 00:50:21,410
his efforts into bringing entertainment

1061
00:50:27,370 --> 00:50:24,740
and comedy to the world via his podcast

1062
00:50:29,829 --> 00:50:27,380
with Tim Ferguson bunga bunga Andy's

1063
00:50:32,230 --> 00:50:29,839

other podcasts so please check that out

1064

00:50:34,630 --> 00:50:32,240

and if you enjoy Maynard's work he is

1065

00:50:37,030 --> 00:50:34,640

well worth supporting and if you would

1066

00:50:39,069 --> 00:50:37,040

like may nod to do some possibly some

1067

00:50:42,040 --> 00:50:39,079

voiceover work for you or something else

1068

00:50:46,120 --> 00:50:42,050

DJ work why not dropping the line just

1069

00:50:49,390 --> 00:50:46,130

visit Maynard com go to you and see what

1070

00:50:50,769 --> 00:50:49,400

he can do for you once again thank you

1071

00:50:55,509 --> 00:50:50,779

for listening

1072

00:50:57,809 --> 00:50:55,519

and for this week until next week which

1073

00:51:00,819 --> 00:50:57,819

will no doubt be a week filled with

1074

00:51:03,339 --> 00:51:00,829

shall we say interesting news this is

1075

00:51:09,609 --> 00:51:03,349

Richard Saunders signing off from Sydney

1076

00:51:12,130 --> 00:51:09,619

Australia you've been listening to the

1077

00:51:15,969 --> 00:51:12,140

sceptics own podcast visit our website

1078

00:51:19,239 --> 00:51:15,979

at wwc aiptek zoomtv for contacts and

1079

00:51:22,419 --> 00:51:19,249

archive of all episodes since 2008 and

1080

00:51:24,459 --> 00:51:22,429

our online store please support the

1081

00:51:27,819 --> 00:51:24,469

skeptic zone by following us on twitter

1082

00:51:31,329 --> 00:51:27,829

at skeptic zone liking us on facebook

1083

00:51:32,859 --> 00:51:31,339

and leaving a review on iTunes you can

1084

00:51:36,669 --> 00:51:32,869

also show your support by subscribing

1085

00:51:39,729 --> 00:51:36,679

via paypal for as little as 99 cents a

1086

00:51:41,319 --> 00:51:39,739

week the skeptic zone is an independent

1087

00:51:43,779 --> 00:51:41,329

production the views and opinions

1088

00:51:45,399 --> 00:51:43,789

expressed on the skeptic zone and not

1089

00:51:48,279 --> 00:51:45,409

necessarily those of Australian

1090

00:51:56,810 --> 00:51:48,289

skeptically or any other skeptical

1091

00:52:03,960 --> 00:51:59,849

so here's the transmitted yeah but to

1092

00:52:06,480 --> 00:52:03,970

put a put a bow yeah it's all right yeah

1093

00:52:08,370 --> 00:52:06,490

that's great and it's really good to see

1094

00:52:15,420 --> 00:52:08,380

that the Northern Rivers vaccination

1095

00:52:21,690 --> 00:52:15,430

support is it's a cat at the door Mord

1096

00:52:29,880 --> 00:52:21,700

what do you want you're going to come in

1097

00:52:31,260 --> 00:52:29,890

or out if you're coming in come in you