

1
00:00:06,000 --> 00:00:12,379
welcome to the skeptic zone the podcast

2
00:00:09,119 --> 00:00:21,899
from Australia for science and reason

3
00:00:12,380 --> 00:00:24,940
[Music]

4
00:00:21,899 --> 00:00:28,539
here since the skeptics on podcast

5
00:00:24,940 --> 00:00:32,050
episode number 432 for the 29th of

6
00:00:28,539 --> 00:00:34,899
January 2017 Wow January's almost gone

7
00:00:32,049 --> 00:00:37,329
already of us just the other week well

8
00:00:34,899 --> 00:00:40,808
maybe it was four weeks ago that we

9
00:00:37,329 --> 00:00:42,849
welcomed in 2017 and this year certainly

10
00:00:40,808 --> 00:00:46,679
has not been disappointing when it comes

11
00:00:42,850 --> 00:00:49,808
to bizarre events and strange goings-on

12
00:00:46,679 --> 00:00:53,019
we'll get to that in a minute it was

13
00:00:49,808 --> 00:00:56,379
very sad to see the death of actor Sir

14
00:00:53,020 --> 00:00:59,320
John Hurt just yesterday and of course

15
00:00:56,380 --> 00:01:02,190
he was a marvelously multi talented

16
00:00:59,320 --> 00:01:04,390
actor famous in pop culture for playing

17
00:01:02,189 --> 00:01:06,099
character in the original alien movie

18
00:01:04,390 --> 00:01:07,959
playing one of the doctors the war

19
00:01:06,099 --> 00:01:10,689
doctor and the doctor who series many

20
00:01:07,959 --> 00:01:13,179
other fantastic roles and it just goes

21
00:01:10,689 --> 00:01:15,759
to show that not all the top famous

22
00:01:13,180 --> 00:01:17,380
people died in 2016 but what's coming up

23
00:01:15,759 --> 00:01:18,789
on this week's episode of the skeptic

24
00:01:17,379 --> 00:01:22,000
zone we're going to have a report from

25
00:01:18,789 --> 00:01:23,950
Heidi Robinson and Alison Gaylord from

26
00:01:22,000 --> 00:01:27,368
the Northern Rivers vaccination

27
00:01:23,950 --> 00:01:30,640
supporters now not too long ago a local

28
00:01:27,368 --> 00:01:32,978
newspaper in their area right up the top

29

00:01:30,640 --> 00:01:35,679
of the state of New South Wales the

30
00:01:32,978 --> 00:01:38,228
Tweed Daily News the tweed that sound

31
00:01:35,679 --> 00:01:43,478
after the tweed river the river that

32
00:01:38,228 --> 00:01:45,129
runs I think it runs between between New

33
00:01:43,478 --> 00:01:47,259
South Wales and Queensland or just near

34
00:01:45,129 --> 00:01:51,208
the border somewhere there well the

35
00:01:47,259 --> 00:01:53,379
Tweed Daily News ran a story which was

36
00:01:51,209 --> 00:01:55,060
extraordinary when you think about it

37
00:01:53,379 --> 00:01:57,129
from the point of view of its showing

38
00:01:55,060 --> 00:01:59,439
just simply one side of the vaccination

39
00:01:57,129 --> 00:02:02,019
question which it was not really a

40
00:01:59,439 --> 00:02:05,530
question anyway it gave air to

41
00:02:02,019 --> 00:02:08,169
extremists and nutters one of them

42
00:02:05,530 --> 00:02:12,239
wearing a camera trail t-shirt as will

43
00:02:08,169 --> 00:02:15,958

be explained soon as Alison and Heidi

44

00:02:12,239 --> 00:02:19,030

bring you this story they bring you the

45

00:02:15,959 --> 00:02:22,199

original story as printed in the tree

46

00:02:19,030 --> 00:02:26,348

Daily News and get a feeling for how ur

47

00:02:22,199 --> 00:02:29,169

how bad that was and their response in

48

00:02:26,348 --> 00:02:30,459

the form of an open letter and it's so

49

00:02:29,169 --> 00:02:33,759

good to see that the Northern Rivers

50

00:02:30,459 --> 00:02:34,420

vaccination supporters are continuing

51

00:02:33,759 --> 00:02:36,848

their

52

00:02:34,419 --> 00:02:39,280

tourism their work up there in that area

53

00:02:36,848 --> 00:02:42,098

of New South Wales which of course via

54

00:02:39,280 --> 00:02:44,590

their efforts goes globally I mean

55

00:02:42,098 --> 00:02:47,589

you're hearing about it right now and I

56

00:02:44,590 --> 00:02:49,770

admire those people very much a young

57

00:02:47,590 --> 00:02:52,719

group they've only been active for a

58
00:02:49,770 --> 00:02:54,550
handful of years but boy are they making

59
00:02:52,719 --> 00:02:56,859
a difference coming up at the top of the

60
00:02:54,550 --> 00:03:01,030
show find out about their open letter to

61
00:02:56,860 --> 00:03:03,849
the Tweed Daily News following that we

62
00:03:01,030 --> 00:03:06,849
have a story published at skeptics com a

63
00:03:03,848 --> 00:03:09,009
you about criticism levelled at a

64
00:03:06,849 --> 00:03:12,400
research paper which seemed to indicate

65
00:03:09,009 --> 00:03:14,500
that acupuncture fur babies babies with

66
00:03:12,400 --> 00:03:17,319
colic was a good and beneficial thing

67
00:03:14,500 --> 00:03:20,650
was it was it indeed was it find out

68
00:03:17,318 --> 00:03:23,609
soon when we cover that story then it's

69
00:03:20,650 --> 00:03:26,769
brouhaha from Australia science TV

70
00:03:23,610 --> 00:03:28,989
Australia science channel with Tanya

71
00:03:26,769 --> 00:03:32,200
Meyer this week this week 10 is going to

72
00:03:28,989 --> 00:03:36,819
be looking at problems with cell phone

73
00:03:32,199 --> 00:03:38,949
batteries and pedal power or pedal power

74
00:03:36,818 --> 00:03:41,289
with a little bit of assistance that's

75
00:03:38,949 --> 00:03:43,780
brouhaha coming up a little later on

76
00:03:41,289 --> 00:03:46,060
then we have news of a torque down in

77
00:03:43,780 --> 00:03:48,340
Victoria for the Morty skeptics I talked

78
00:03:46,060 --> 00:03:49,989
about one of my favorite topics UFOs

79
00:03:48,340 --> 00:03:52,509
that should be interesting with steve

80
00:03:49,989 --> 00:03:54,670
roberts and if you're living in victoria

81
00:03:52,509 --> 00:03:56,919
if you're living in melbourne around the

82
00:03:54,669 --> 00:03:58,958
maury alec area especially that will be

83
00:03:56,919 --> 00:04:01,268
a great night out for you and speaking

84
00:03:58,959 --> 00:04:03,939
of UFOs following that it's maynards

85
00:04:01,269 --> 00:04:06,640
spooky action where Maynard will tell us

86

00:04:03,939 --> 00:04:10,030
about one of his favorite podcasts the

87
00:04:06,639 --> 00:04:11,548
UFO podcast or podcast UFO or something

88
00:04:10,030 --> 00:04:14,979
like that bit spooky a bit mysterious

89
00:04:11,549 --> 00:04:18,340
why does he listen to it and there's a

90
00:04:14,979 --> 00:04:21,969
question a question will be posed for

91
00:04:18,339 --> 00:04:25,449
you then to round off the show more

92
00:04:21,970 --> 00:04:30,220
homeopathy see more homeopathy equals

93
00:04:25,449 --> 00:04:34,418
less power less homeopathy is more

94
00:04:30,220 --> 00:04:36,580
powerful than more homeopathy and we

95
00:04:34,418 --> 00:04:39,519
have a story about homeopathy written by

96
00:04:36,579 --> 00:04:41,769
Professor ed at ernst and it's a good

97
00:04:39,519 --> 00:04:44,158
one for skeptics as Ed's at ernst writes

98
00:04:41,769 --> 00:04:46,418
about some of the common mistakes

99
00:04:44,158 --> 00:04:48,248
skeptics make when talking about

100
00:04:46,418 --> 00:04:50,829

homeopathy some things to be

101

00:04:48,249 --> 00:04:53,709

aware of some things to look out for so

102

00:04:50,829 --> 00:04:57,218

you are better prepared when debating

103

00:04:53,709 --> 00:04:59,228

talking about homeopathy all that coming

104

00:04:57,218 --> 00:05:01,149

up on today's episode of the skeptic

105

00:04:59,228 --> 00:05:06,579

zone now there are many more stories

106

00:05:01,149 --> 00:05:08,999

this past week has proven to be what's

107

00:05:06,579 --> 00:05:11,679

the word I'm looking for dramatic I

108

00:05:08,999 --> 00:05:13,299

suppose you would say when it comes to

109

00:05:11,678 --> 00:05:15,068

politics which we normally don't cover

110

00:05:13,298 --> 00:05:17,258

on the skeptic zone but this one is a

111

00:05:15,069 --> 00:05:21,009

blockbuster folks what the trump

112

00:05:17,259 --> 00:05:22,959

administration are doing in a huge hurry

113

00:05:21,009 --> 00:05:26,829

it appears to me is certainly

114

00:05:22,959 --> 00:05:28,119

breathtaking and I note and I'm sure

115
00:05:26,829 --> 00:05:30,418
this is a story we're going to be

116
00:05:28,119 --> 00:05:33,099
bringing to you before long that

117
00:05:30,418 --> 00:05:36,098
scientists are now looking at are

118
00:05:33,098 --> 00:05:38,048
forming their own march against some of

119
00:05:36,098 --> 00:05:40,688
the policies of the new Trump

120
00:05:38,048 --> 00:05:44,168
administration as we speak there are

121
00:05:40,689 --> 00:05:46,389
protests at JFK Airport as as I record

122
00:05:44,168 --> 00:05:48,428
this I should say and there's just been

123
00:05:46,389 --> 00:05:50,799
so much news coming out of Washington

124
00:05:48,428 --> 00:05:54,638
that it's very hard to keep up oracle8

125
00:05:50,798 --> 00:05:57,818
or get to grips with now if you're like

126
00:05:54,639 --> 00:06:00,999
me and when you're using Facebook a lot

127
00:05:57,819 --> 00:06:03,098
of your feed will be consumed by what

128
00:06:00,999 --> 00:06:05,110
Trump is doing now and what laws are

129
00:06:03,098 --> 00:06:07,498
trying to be passed and all the rest of

130
00:06:05,110 --> 00:06:12,249
it all we can do is try to keep up and

131
00:06:07,499 --> 00:06:14,319
report to you the relevant issues when

132
00:06:12,249 --> 00:06:16,509
it comes to science and skepticism or

133
00:06:14,319 --> 00:06:21,039
maybe a bit wider in this case because

134
00:06:16,509 --> 00:06:23,639
in all my years which are many and all

135
00:06:21,038 --> 00:06:26,408
the presidents I've seen come and go

136
00:06:23,639 --> 00:06:29,408
this one so far really takes the cake

137
00:06:26,408 --> 00:06:31,418
and the icing and everything else and

138
00:06:29,408 --> 00:06:33,488
there is more news coming from overseas

139
00:06:31,418 --> 00:06:35,258
with the movie vax that we will get to

140
00:06:33,488 --> 00:06:37,388
probably in the next episode of the

141
00:06:35,259 --> 00:06:42,549
skeptic zone we hope to bring you some

142
00:06:37,389 --> 00:06:45,939
news of the akwa poll device a situation

143

00:06:42,548 --> 00:06:48,519
that I personally have been looking at

144
00:06:45,939 --> 00:06:50,769
for some months now and we hope though

145
00:06:48,519 --> 00:06:53,918
here's some good news about that soon us

146
00:06:50,769 --> 00:06:56,739
at least some news we can report about

147
00:06:53,918 --> 00:06:58,448
the echo poll this is the device which

148
00:06:56,738 --> 00:07:00,488
you whack on to the ceiling it sort of

149
00:06:58,449 --> 00:07:01,420
hangs down like a big ceiling light it's

150
00:07:00,488 --> 00:07:04,810
a big

151
00:07:01,420 --> 00:07:07,300
sphere with a well what can be best

152
00:07:04,810 --> 00:07:09,310
described as a piece of Modern Art stuck

153
00:07:07,300 --> 00:07:12,550
inside and the claim is that this modern

154
00:07:09,310 --> 00:07:15,160
art will channel energies from the

155
00:07:12,550 --> 00:07:19,230
universe direct these energies into your

156
00:07:15,160 --> 00:07:21,700
walls and fix your rising damp problem

157
00:07:19,230 --> 00:07:24,970

has no moving parts and requires no

158

00:07:21,699 --> 00:07:26,409

power I think that sums it up anyway

159

00:07:24,970 --> 00:07:29,740

hopefully we can bring you something

160

00:07:26,410 --> 00:07:35,230

about that soon at least and there's a

161

00:07:29,740 --> 00:07:38,889

story about the movie vax which is just

162

00:07:35,230 --> 00:07:41,140

being denied screening in the UK I think

163

00:07:38,889 --> 00:07:42,849

this is all very hot off the wire sort

164

00:07:41,139 --> 00:07:44,919

of new so hopefully we can you bring you

165

00:07:42,850 --> 00:07:46,840

more about that too in the coming weeks

166

00:07:44,920 --> 00:07:49,569

but now it's time for me to run

167

00:07:46,839 --> 00:07:52,449

downstairs and have some cake because i

168

00:07:49,569 --> 00:07:54,579

think president Trump took the cake or

169

00:07:52,449 --> 00:07:57,490

takes the cake I better have some cake

170

00:07:54,579 --> 00:08:01,859

before he takes it all well I'm doing

171

00:07:57,490 --> 00:08:01,860

that I hope you enjoy this skeptic zone

172
00:08:02,180 --> 00:08:17,139
[Music]

173
00:08:19,579 --> 00:08:33,929
it's the raw skeptic report with Heidi

174
00:08:23,579 --> 00:08:35,908
Robertson hello everyone Heidi Robertson

175
00:08:33,929 --> 00:08:38,309
from the Northern Rivers vaccination

176
00:08:35,908 --> 00:08:41,759
supporters it's great to be back for the

177
00:08:38,309 --> 00:08:46,709
skeptic zone and in your ears for 2017

178
00:08:41,759 --> 00:08:49,439
on the twenty-fifth of January 2017 a

179
00:08:46,710 --> 00:08:51,750
local newspaper the Tweed Daily News

180
00:08:49,440 --> 00:08:54,060
operating out of tweed heads northern

181
00:08:51,750 --> 00:08:56,759
New South Wales published an article

182
00:08:54,059 --> 00:08:58,469
that was both surprising and supremely

183
00:08:56,759 --> 00:09:01,289
disappointing for the members of our

184
00:08:58,470 --> 00:09:04,110
group we've worked hard with the media

185
00:09:01,289 --> 00:09:06,269
over the past four years to try to

186
00:09:04,110 --> 00:09:09,269
ensure that stories about vaccination

187
00:09:06,269 --> 00:09:11,338
don't contain false balance that is when

188
00:09:09,269 --> 00:09:14,759
the journalist equates the expertise of

189
00:09:11,339 --> 00:09:17,490
vaccine researchers immunologists and

190
00:09:14,759 --> 00:09:20,970
doctors with the field pinions of

191
00:09:17,490 --> 00:09:22,980
anti-vaccination activists we have had

192
00:09:20,970 --> 00:09:25,410
great success in this region with the

193
00:09:22,980 --> 00:09:28,019
media and they have not approached the

194
00:09:25,409 --> 00:09:31,319
more well-known vaccine deniers for their

195
00:09:28,019 --> 00:09:33,389
input for quite a while now when they

196
00:09:31,320 --> 00:09:36,360
have we have refused to take part in the

197
00:09:33,389 --> 00:09:38,639
interview explaining our stance that we

198
00:09:36,360 --> 00:09:41,430
do not debate the science of vaccination

199
00:09:38,639 --> 00:09:43,889
and that we do not wish to give vaccine

200

00:09:41,429 --> 00:09:49,769
denies legitimacy by appearing alongside

201
00:09:43,889 --> 00:09:52,588
them in print on TV or on radio stop the

202
00:09:49,769 --> 00:09:54,480
avn actually presented a poster at an

203
00:09:52,589 --> 00:09:57,600
immunization conference a couple of

204
00:09:54,480 --> 00:10:01,170
years ago showing data that reflects the

205
00:09:57,600 --> 00:10:03,450
success of this tactic imagine our

206
00:10:01,169 --> 00:10:06,659
dismay then to see the following article

207
00:10:03,450 --> 00:10:09,020
in print along with a color image of a

208
00:10:06,659 --> 00:10:12,480
vaccine denier with a chemtrail

209
00:10:09,019 --> 00:10:14,278
conspiracy theorist they are pictured

210
00:10:12,480 --> 00:10:16,950
adorned with merchandise from

211
00:10:14,278 --> 00:10:20,100
Wakefield's anti-vaccination film vax

212
00:10:16,950 --> 00:10:21,300
and holding up a vax poster with the

213
00:10:20,100 --> 00:10:24,300
title the

214
00:10:21,299 --> 00:10:27,659

film they don't want you to see the

215

00:10:24,299 --> 00:10:30,539

caption to the photo reads tough message

216

00:10:27,659 --> 00:10:33,329

anti-vaccination activists Robert

217

00:10:30,539 --> 00:10:35,399

Deutsch and Donna kousaka are in

218

00:10:33,330 --> 00:10:39,060

murwillumbah spreading the word about

219

00:10:35,399 --> 00:10:41,720

the dangers of vaccinations so here is

220

00:10:39,059 --> 00:10:44,129

the transcript of the article titled

221

00:10:41,720 --> 00:10:49,200

anti-vaccine movement with the

222

00:10:44,129 --> 00:10:52,350

subheading tragedy prompts campaign by

223

00:10:49,200 --> 00:10:54,540

Mitchell Crawley activists have taken to

224

00:10:52,350 --> 00:10:56,190

murwillumbah streets to campaign for

225

00:10:54,539 --> 00:10:58,559

transparency from governments and

226

00:10:56,190 --> 00:11:01,399

medical professionals and to demand

227

00:10:58,559 --> 00:11:04,768

people get a choice on vaccinations

228

00:11:01,399 --> 00:11:08,070

Donna kousaka who describes herself as a

229
00:11:04,769 --> 00:11:10,429
pro-life freedom fighter chose to

230
00:11:08,070 --> 00:11:13,980
campaign after losing her husband in

231
00:11:10,429 --> 00:11:17,278
2015 she believes his death was as a

232
00:11:13,980 --> 00:11:20,670
result of vaccines my husband died of

233
00:11:17,278 --> 00:11:23,220
cancer ms cozy cassette that's what woke

234
00:11:20,669 --> 00:11:24,899
me up I was looking for alternate help

235
00:11:23,220 --> 00:11:27,360
in Australia and struggled to find

236
00:11:24,899 --> 00:11:30,149
anything I've always been following the

237
00:11:27,360 --> 00:11:33,180
vaccine issue but that just opened up my

238
00:11:30,149 --> 00:11:36,120
eyes it was related because my husband

239
00:11:33,179 --> 00:11:39,120
milosz would have had polio I think she

240
00:11:36,120 --> 00:11:42,539
means the polio vaccine back in the 50s

241
00:11:39,120 --> 00:11:45,149
and sv40 if you look on the centers for

242
00:11:42,539 --> 00:11:48,569
disease control and prevention website

243
00:11:45,149 --> 00:11:52,860
you'll find it buried in there that they

244
00:11:48,570 --> 00:11:57,209
think the sv40 causes cancer he passed

245
00:11:52,860 --> 00:11:59,700
away in July 2015 diagnosed on March the

246
00:11:57,208 --> 00:12:04,409
9th the day after his birthday which was

247
00:11:59,700 --> 00:12:06,899
just horrific ms kousaka says she wants

248
00:12:04,409 --> 00:12:10,350
informed consent and the government to

249
00:12:06,899 --> 00:12:12,480
tell us what's in a vaccine another

250
00:12:10,350 --> 00:12:14,519
campaigner Robert Deutsche who is in

251
00:12:12,480 --> 00:12:16,850
Australia giving a series of talks on

252
00:12:14,519 --> 00:12:19,259
matters including Chemical trails

253
00:12:16,850 --> 00:12:22,800
claimed people weren't aware of the

254
00:12:19,259 --> 00:12:24,659
health repercussions of vaccines in all

255
00:12:22,799 --> 00:12:27,208
fairness the doctors should be fully

256
00:12:24,659 --> 00:12:29,610
informing people of any side effects in

257

00:12:27,208 --> 00:12:32,039
advance of them getting vaccinations and

258
00:12:29,610 --> 00:12:34,169
there should be an actual law that says

259
00:12:32,039 --> 00:12:35,099
people have to sign a consent that they

260
00:12:34,169 --> 00:12:38,069
were given this in

261
00:12:35,100 --> 00:12:42,330
mation he said without them being given

262
00:12:38,070 --> 00:12:44,220
it it's not fair to any of us the

263
00:12:42,330 --> 00:12:46,320
federal government last year deemed

264
00:12:44,220 --> 00:12:49,470
parents who refuse to immunize their

265
00:12:46,320 --> 00:12:52,230
children receive no allowances these

266
00:12:49,470 --> 00:12:55,830
included child care benefits child care

267
00:12:52,230 --> 00:12:57,810
rebates and family tax benefits northern

268
00:12:55,830 --> 00:13:01,460
New South Wales health was contacted for

269
00:12:57,809 --> 00:13:07,139
comment and directed readers to ww

270
00:13:01,460 --> 00:13:09,840
immunize healthy ova you and that's the

271
00:13:07,139 --> 00:13:12,720

article there is a little side box which

272

00:13:09,840 --> 00:13:16,820

says vaccination and national program

273

00:13:12,720 --> 00:13:19,740

funds vaccines preventing flus measles

274

00:13:16,820 --> 00:13:22,200

meningococcal mumps whooping cough

275

00:13:19,740 --> 00:13:25,440

German measles chickenpox polio and

276

00:13:22,200 --> 00:13:27,810

lockjaw and the second point in that box

277

00:13:25,440 --> 00:13:31,920

is the approval process for a vaccine

278

00:13:27,809 --> 00:13:33,869

can take up to 10 years we decided that

279

00:13:31,919 --> 00:13:36,990

an open letter to the editor was in

280

00:13:33,870 --> 00:13:39,149

order which we sent via email post it on

281

00:13:36,990 --> 00:13:42,419

our Facebook page and post it on the

282

00:13:39,149 --> 00:13:44,009

Tweed Daily News Facebook page their

283

00:13:42,419 --> 00:13:45,899

Facebook page got a number of other

284

00:13:44,009 --> 00:13:49,559

comments from readers disappointed with

285

00:13:45,899 --> 00:13:52,289

the article fellow administrator of our

286
00:13:49,559 --> 00:13:54,019
group nrvs Alison Gaylord will now read

287
00:13:52,289 --> 00:13:58,490
out our open letter

288
00:13:54,019 --> 00:14:00,889
[Music]

289
00:13:58,490 --> 00:14:03,950
the Northern Rivers vaccination

290
00:14:00,889 --> 00:14:06,379
supporters nrvs would like to express

291
00:14:03,950 --> 00:14:08,778
our concern and deep dismay regarding

292
00:14:06,379 --> 00:14:12,080
Mitchell collies article anti-vaccine

293
00:14:08,778 --> 00:14:15,620
movement published on Wednesday the 25th

294
00:14:12,080 --> 00:14:20,300
of January 2017 on page seven of the

295
00:14:15,620 --> 00:14:22,278
Tweed Daily News nrvs was formed in 2012

296
00:14:20,299 --> 00:14:25,129
when a group of concerned community

297
00:14:22,278 --> 00:14:27,100
members realized how low the vaccination

298
00:14:25,129 --> 00:14:29,600
rates are in the Northern Rivers region

299
00:14:27,100 --> 00:14:31,820
there is much misinformation in this

300
00:14:29,600 --> 00:14:33,050
region regarding vaccines and our

301
00:14:31,820 --> 00:14:35,480
mission is to correct this

302
00:14:33,049 --> 00:14:37,939
misinformation where we see it and put

303
00:14:35,480 --> 00:14:40,839
out factual information regarding the

304
00:14:37,940 --> 00:14:43,459
efficacy and safety of vaccination a

305
00:14:40,839 --> 00:14:45,860
small community group has since grown

306
00:14:43,458 --> 00:14:47,229
substantially and we were recently

307
00:14:45,860 --> 00:14:49,970
endorsed by the world health

308
00:14:47,230 --> 00:14:52,580
organization as a reputable source of

309
00:14:49,970 --> 00:14:55,490
information on vaccine safety and now

310
00:14:52,580 --> 00:14:57,129
appear on their website we were very

311
00:14:55,490 --> 00:15:00,470
disappointed to see this article

312
00:14:57,129 --> 00:15:03,740
alongside a photo of two vaccine denying

313
00:15:00,470 --> 00:15:06,259
activists the photo alone is showing

314

00:15:03,740 --> 00:15:08,329
them promoting merchandise in relation

315
00:15:06,259 --> 00:15:11,000
to a film that maliciously spreads lies

316
00:15:08,328 --> 00:15:13,159
and misinformation and contains

317
00:15:11,000 --> 00:15:17,208
information easily demonstrated to be

318
00:15:13,159 --> 00:15:20,208
blatantly deceptive the film vax is

319
00:15:17,208 --> 00:15:23,000
backed and promoted by discredited dr.

320
00:15:20,208 --> 00:15:25,129
Andrew Wakefield stripped of his medical

321
00:15:23,000 --> 00:15:27,320
license by the UK's British Medical

322
00:15:25,129 --> 00:15:29,509
Council when it was revealed he

323
00:15:27,320 --> 00:15:32,290
performed unethical and unnecessary

324
00:15:29,509 --> 00:15:34,549
procedures on children and fraudulently

325
00:15:32,289 --> 00:15:36,740
misrepresented findings from a study he

326
00:15:34,549 --> 00:15:40,009
was involved in for which he stood to

327
00:15:36,740 --> 00:15:42,049
benefit financially it is frankly

328
00:15:40,009 --> 00:15:44,299

astounding that any journalist writing

329

00:15:42,049 --> 00:15:46,639

about vaccination would not be aware of

330

00:15:44,299 --> 00:15:50,120

Wakefield's history the article

331

00:15:46,639 --> 00:15:52,179

subheading tragedy prompts campaign is

332

00:15:50,120 --> 00:15:54,919

very misleading to the general public

333

00:15:52,179 --> 00:15:57,708

implying a correlation when there isn't

334

00:15:54,919 --> 00:16:01,219

one it is well known that vaccines do

335

00:15:57,708 --> 00:16:03,169

not cause cancer and the sv40 factor has

336

00:16:01,220 --> 00:16:06,740

never been shown to have a causative

337

00:16:03,169 --> 00:16:10,909

link to cancer in fact there are now

338

00:16:06,740 --> 00:16:12,129

vaccines Hep B and HPV that protect

339

00:16:10,909 --> 00:16:15,019

against certain cancer

340

00:16:12,129 --> 00:16:17,000

was the contrary information from Miss

341

00:16:15,019 --> 00:16:18,829

kousaka taken as a given by the

342

00:16:17,000 --> 00:16:22,539

journalist and editor of the Tweed Daily

343
00:16:18,830 --> 00:16:25,700
News informed consent is mentioned

344
00:16:22,539 --> 00:16:27,709
informed consent is very important but

345
00:16:25,700 --> 00:16:31,610
only when the information is gleaned

346
00:16:27,710 --> 00:16:33,769
from credible sources unfortunately

347
00:16:31,610 --> 00:16:35,600
anti-vaccination proponents do not

348
00:16:33,769 --> 00:16:38,329
gather their information from credible

349
00:16:35,600 --> 00:16:40,850
sources often their misinformation is

350
00:16:38,330 --> 00:16:43,790
obtained from anecdotes hearsay and

351
00:16:40,850 --> 00:16:47,480
sometimes conspiracy fueled social media

352
00:16:43,789 --> 00:16:50,659
sites governments and doctors do in fact

353
00:16:47,480 --> 00:16:52,460
advise what is in vaccines it is very

354
00:16:50,659 --> 00:16:55,789
easy to search this information from

355
00:16:52,460 --> 00:16:57,590
credible websites or your GP it is

356
00:16:55,789 --> 00:17:00,139
interesting to note that often when

357
00:16:57,590 --> 00:17:02,030
trying to discredit vaccines vaccine

358
00:17:00,139 --> 00:17:04,549
deniers will use the manufacturers

359
00:17:02,029 --> 00:17:06,019
inserts the very same documents they

360
00:17:04,549 --> 00:17:09,230
claim are being hidden by the

361
00:17:06,019 --> 00:17:11,299
authorities vaccines are stringently

362
00:17:09,230 --> 00:17:13,430
tested for years and undergo various

363
00:17:11,299 --> 00:17:16,789
trials before being used in the

364
00:17:13,430 --> 00:17:18,920
community on average it will take 10 to

365
00:17:16,789 --> 00:17:22,190
15 years for a vaccine to be approved

366
00:17:18,920 --> 00:17:24,560
for public use parents do already have

367
00:17:22,190 --> 00:17:26,509
to sign a form when their child is being

368
00:17:24,559 --> 00:17:28,338
vaccinated to show that they have

369
00:17:26,509 --> 00:17:30,460
received the information relevant to the

370
00:17:28,338 --> 00:17:33,289
vaccines being administered at the time

371

00:17:30,460 --> 00:17:35,329
they do not need to sign the form until

372
00:17:33,289 --> 00:17:38,389
they are satisfied with the information

373
00:17:35,329 --> 00:17:40,939
given Robert Deutsch is a well-known

374
00:17:38,390 --> 00:17:42,860
conspiracy proponent who believes that

375
00:17:40,940 --> 00:17:45,500
condensation trails from planes are

376
00:17:42,859 --> 00:17:47,299
actually chemtrails and that the

377
00:17:45,500 --> 00:17:49,880
population is being poisoned from the

378
00:17:47,299 --> 00:17:51,740
air it is concerning to think that

379
00:17:49,880 --> 00:17:53,690
worried parents may take advice from a

380
00:17:51,740 --> 00:17:55,940
conspiracy theorist and an

381
00:17:53,690 --> 00:17:59,180
anti-vaccination activist as a result of

382
00:17:55,940 --> 00:18:01,009
this irresponsible article we would like

383
00:17:59,180 --> 00:18:03,200
to pose the question of whether the

384
00:18:01,009 --> 00:18:05,480
journalist and editor followed the

385
00:18:03,200 --> 00:18:07,100

journalistic code of conduct all the

386

00:18:05,480 --> 00:18:09,500

principles of the Australian press

387

00:18:07,099 --> 00:18:12,129

Council in fact checking any of the

388

00:18:09,500 --> 00:18:14,630

information published in the article

389

00:18:12,130 --> 00:18:17,630

NRVS has been involved in the past with

390

00:18:14,630 --> 00:18:18,920

your newspaper regarding vaccination the

391

00:18:17,630 --> 00:18:20,240

issue of false balance has been

392

00:18:18,920 --> 00:18:22,430

discussed at length with your

393

00:18:20,240 --> 00:18:24,440

journalists this makes it all the more

394

00:18:22,430 --> 00:18:25,910

disappointing that you have published

395

00:18:24,440 --> 00:18:28,519

such a fear mongering or

396

00:18:25,910 --> 00:18:30,680

to call if your readers would like

397

00:18:28,519 --> 00:18:32,859

credible information on vaccinations we

398

00:18:30,680 --> 00:18:35,660

would refer them to our website a

399

00:18:32,859 --> 00:18:37,639

parting thought would you interview a

400
00:18:35,660 --> 00:18:39,350
cosmologists regarding the complexities

401
00:18:37,640 --> 00:18:42,230
of the solar system and the known

402
00:18:39,349 --> 00:18:44,359
universe and then refer to Roger who

403
00:18:42,230 --> 00:18:47,140
believes the earth is flat for an

404
00:18:44,359 --> 00:18:49,939
alternative view thank you for your time

405
00:18:47,140 --> 00:18:55,730
sincerely Northern Rivers vaccination

406
00:18:49,940 --> 00:18:58,910
supporters a reply to my post on the

407
00:18:55,730 --> 00:19:00,710
Tweed Daily News Facebook page got a

408
00:18:58,910 --> 00:19:04,660
response from the editor after receiving

409
00:19:00,710 --> 00:19:07,670
no response via email the response read

410
00:19:04,660 --> 00:19:09,710
thanks for your letter Heidi we will

411
00:19:07,670 --> 00:19:11,360
publish it in our next edition tomorrow

412
00:19:09,710 --> 00:19:13,670
although it may be edited for length

413
00:19:11,359 --> 00:19:16,399
purposes could you send us the best

414
00:19:13,670 --> 00:19:18,410
contact numbers for your organization it

415
00:19:16,400 --> 00:19:21,530
may be worth doing a follow-up story

416
00:19:18,410 --> 00:19:23,570
giving your side and outlining your

417
00:19:21,529 --> 00:19:26,509
fight in the region against such

418
00:19:23,569 --> 00:19:28,339
anti-vaccination movement the reason we

419
00:19:26,509 --> 00:19:30,049
covered this story was because I thought

420
00:19:28,339 --> 00:19:32,449
it was interesting they were targeting

421
00:19:30,049 --> 00:19:34,339
our area although perhaps this was not

422
00:19:32,450 --> 00:19:37,460
relate in the article as well as it may

423
00:19:34,339 --> 00:19:39,349
have been personally I am a very strong

424
00:19:37,460 --> 00:19:41,650
supporter of vaccination having grown up

425
00:19:39,349 --> 00:19:44,149
in Africa where people fight for it as

426
00:19:41,650 --> 00:19:48,259
highlighted in a recent article on your

427
00:19:44,150 --> 00:19:53,420
website please contact me ash and then

428

00:19:48,259 --> 00:19:55,309
the editor gives her email address at

429
00:19:53,420 --> 00:19:57,470
the time of recording I have not been

430
00:19:55,309 --> 00:20:00,379
able to find out if our letter was in

431
00:19:57,470 --> 00:20:02,630
fact published we will be in touch with

432
00:20:00,380 --> 00:20:04,520
the editor about a follow-up story and

433
00:20:02,630 --> 00:20:07,670
we'll let you know if anything comes of

434
00:20:04,519 --> 00:20:11,000
it till next time this has been hiding

435
00:20:07,670 --> 00:20:18,440
robertson from nrvs find us on Facebook

436
00:20:11,000 --> 00:20:19,650
Twitter and our website wwn rvs info bye

437
00:20:18,440 --> 00:20:33,740
for now

438
00:20:19,650 --> 00:20:33,740
[Music]

439
00:20:34,029 --> 00:20:40,009
hello Richard and all the listeners of

440
00:20:37,069 --> 00:20:42,950
skeptic zone my name is Ron levy and I'm

441
00:20:40,009 --> 00:20:45,410
the producer and co-host of curious mind

442
00:20:42,950 --> 00:20:51,769

it's about cast about science technology

443

00:20:45,410 --> 00:20:53,990
and history at wwc em-pod cmp OD dot net

444

00:20:51,769 --> 00:20:56,240
each episode will bring you interesting

445

00:20:53,990 --> 00:20:59,299
stories from a wide range of subjects

446

00:20:56,240 --> 00:21:01,759
from physics astronomy and medicine from

447

00:20:59,299 --> 00:21:03,589
arts to science fiction we strive for

448

00:21:01,759 --> 00:21:05,960
the highest production values both in

449

00:21:03,589 --> 00:21:08,689
content and in delivery we already have

450

00:21:05,960 --> 00:21:11,210
on the air episodes about German u-boats

451

00:21:08,690 --> 00:21:14,269
in Second World War about the history of

452

00:21:11,210 --> 00:21:18,370
x-rays and the war of currents between

453

00:21:14,269 --> 00:21:21,849
Tesla and Edison come and have a listen

454

00:21:18,369 --> 00:21:21,849
wwwcom pod

455

00:21:22,299 --> 00:21:30,188
[Music]

456

00:21:33,829 --> 00:21:37,159
[Music]

457
00:21:38,730 --> 00:21:45,759
wyd condemnation of pro acupuncture

458
00:21:42,549 --> 00:21:49,059
research paper on infant colic published

459
00:21:45,759 --> 00:21:52,000
at ww skeptics calm day you bite in

460
00:21:49,059 --> 00:21:56,349
mendham on the twenty-second of January

461
00:21:52,000 --> 00:21:58,869
2017 a controversial study that claims

462
00:21:56,349 --> 00:22:00,969
to have found proof that acupuncture is

463
00:21:58,869 --> 00:22:04,269
effective in treating colic in infants

464
00:22:00,970 --> 00:22:06,490
has been widely rebuked in fact even the

465
00:22:04,269 --> 00:22:08,889
associate editor of the journal where

466
00:22:06,490 --> 00:22:11,019
the study was published said quote in

467
00:22:08,890 --> 00:22:14,410
technical terms the study is negative

468
00:22:11,019 --> 00:22:16,839
dot the primary outcome did not turn out

469
00:22:14,410 --> 00:22:19,150
to be statistically significant end

470
00:22:16,839 --> 00:22:22,119
quote the paper was authored by two

471
00:22:19,150 --> 00:22:25,509
academics from lund university in sweden

472
00:22:22,119 --> 00:22:28,569
and involved blind testing of 147

473
00:22:25,509 --> 00:22:31,150
infants over two week period the infants

474
00:22:28,569 --> 00:22:33,579
were divided into three groups variously

475
00:22:31,150 --> 00:22:35,440
treated with traditional acupuncture up

476
00:22:33,579 --> 00:22:38,529
to five needle points minimal

477
00:22:35,440 --> 00:22:41,019
acupuncture one needle point and no

478
00:22:38,529 --> 00:22:43,089
acupuncture the authors claimed evidence

479
00:22:41,019 --> 00:22:45,789
that those infants treated with either

480
00:22:43,089 --> 00:22:47,829
form of acupuncture performed better in

481
00:22:45,789 --> 00:22:51,009
alleviating colic fussing and crying

482
00:22:47,829 --> 00:22:53,889
then those in the non acupuncture group

483
00:22:51,009 --> 00:22:56,500
the paper appeared in the acupuncture in

484
00:22:53,890 --> 00:22:59,410
medicine journal itself published by the

485

00:22:56,500 --> 00:23:03,190
British Medical Journal the B MJ's

486
00:22:59,410 --> 00:23:06,370
involvement with the a.i.m has been an

487
00:23:03,190 --> 00:23:09,059
aspect of debate that has also raised

488
00:23:06,369 --> 00:23:12,009
the eyebrows if not the ire of many

489
00:23:09,059 --> 00:23:14,679
commentators much criticism has been

490
00:23:12,009 --> 00:23:18,690
laid against the small sample size for

491
00:23:14,680 --> 00:23:21,910
the research michael cummings the a IM

492
00:23:18,690 --> 00:23:24,460
associate editor mentioned above agreed

493
00:23:21,910 --> 00:23:27,430
it was small but put that down to a lack

494
00:23:24,460 --> 00:23:29,740
of funding but most criticism by

495
00:23:27,430 --> 00:23:33,390
qualified commentators is in reference

496
00:23:29,740 --> 00:23:36,490
to the interpretation of the data and

497
00:23:33,390 --> 00:23:39,788
statistical significance if any of the

498
00:23:36,490 --> 00:23:41,979
results while cummings comment about

499
00:23:39,788 --> 00:23:44,769

the results being quote not

500

00:23:41,979 --> 00:23:47,710

statistically significant men quote may

501

00:23:44,769 --> 00:23:50,579

have been given begrudgingly others have

502

00:23:47,710 --> 00:23:53,499

been much more overt and harsher

503

00:23:50,579 --> 00:23:55,388

professor ed at Ernst emeritus professor

504

00:23:53,499 --> 00:23:58,118

of complementary medicine at the

505

00:23:55,388 --> 00:23:59,949

University of Exeter and noted

506

00:23:58,118 --> 00:24:02,558

campaigner against poor evidence in

507

00:23:59,950 --> 00:24:05,798

alternative medicine said that the study

508

00:24:02,558 --> 00:24:08,888

quote confirms previous research showing

509

00:24:05,798 --> 00:24:11,499

that acupuncture is a theatrical placebo

510

00:24:08,888 --> 00:24:14,108

the study was designed without an

511

00:24:11,499 --> 00:24:16,329

adequate placebo group therefore

512

00:24:14,108 --> 00:24:18,278

conclusions about specific therapeutic

513

00:24:16,329 --> 00:24:21,788

effects of acupuncture are not

514
00:24:18,278 --> 00:24:24,249
permissible quote we know that colicky

515
00:24:21,788 --> 00:24:27,009
babies respond even to minimal attention

516
00:24:24,249 --> 00:24:30,450
and this trial confirms that a little

517
00:24:27,009 --> 00:24:33,659
additional TLC will generate an effect

518
00:24:30,450 --> 00:24:36,399
the observed outcome is therefore not

519
00:24:33,659 --> 00:24:39,159
necessarily related to acupuncture end

520
00:24:36,398 --> 00:24:41,858
quote professor David Calhoun emeritus

521
00:24:39,159 --> 00:24:44,639
professor of pharmacology University

522
00:24:41,858 --> 00:24:47,319
College London was even blunter

523
00:24:44,638 --> 00:24:49,538
describing it as quote one of the worst

524
00:24:47,319 --> 00:24:52,148
papers in acupuncture that I've come

525
00:24:49,538 --> 00:24:54,038
across Calhoun who told Australian

526
00:24:52,148 --> 00:24:56,888
skeptics that quote I've been dealing

527
00:24:54,038 --> 00:24:59,408
with little else but this ever since it

528
00:24:56,888 --> 00:25:02,498
came out in quote said in the UK science

529
00:24:59,409 --> 00:25:04,509
media center roundup that quote the

530
00:25:02,499 --> 00:25:06,308
statistical analysis and the papers is

531
00:25:04,509 --> 00:25:09,669
incomplete this should have been

532
00:25:06,308 --> 00:25:13,408
detected by the referees but it wasn't

533
00:25:09,669 --> 00:25:16,570
for a start the opening statement a

534
00:25:13,409 --> 00:25:20,309
two-sided p-value lesser than or equal

535
00:25:16,569 --> 00:25:23,710
to 0.05 was considered statistically

536
00:25:20,308 --> 00:25:25,569
significant is simply unacceptable in

537
00:25:23,710 --> 00:25:28,028
the light of all the recent work about

538
00:25:25,569 --> 00:25:30,608
reproducibility when quote more details

539
00:25:28,028 --> 00:25:33,038
of Calhoun's views on the statistics

540
00:25:30,608 --> 00:25:35,978
procedure involved in the research can

541
00:25:33,038 --> 00:25:38,348
be found in the round up the paper

542

00:25:35,979 --> 00:25:40,808
received much publicity with hundreds of

543
00:25:38,348 --> 00:25:43,358
media outlets covering the research

544
00:25:40,808 --> 00:25:46,720
often basing their reports on a press

545
00:25:43,358 --> 00:25:49,298
release issued by the bmj calling the

546
00:25:46,720 --> 00:25:52,789
release quote hyperbole end quote and

547
00:25:49,298 --> 00:25:55,549
quote shockingly misleading and quote

548
00:25:52,789 --> 00:25:58,579
hoon said in his blog dc's in probable

549
00:25:55,549 --> 00:26:00,829
science that quote the bmj group should

550
00:25:58,579 --> 00:26:03,049
not be mixing up press releases about

551
00:26:00,829 --> 00:26:05,689
real medicine with press releases about

552
00:26:03,049 --> 00:26:08,180
quackery there seems to be something

553
00:26:05,690 --> 00:26:10,519
about quackery that's click bait for the

554
00:26:08,180 --> 00:26:13,130
mainstream media men quote nonetheless

555
00:26:10,519 --> 00:26:15,440
many media outlets also included

556
00:26:13,130 --> 00:26:17,540

comments from Calhoun and others

557

00:26:15,440 --> 00:26:20,750

decrying what they said were sloppy

558

00:26:17,539 --> 00:26:24,049

statistical analysis and over reaching

559

00:26:20,750 --> 00:26:26,210

conclusions the one person quoted in the

560

00:26:24,049 --> 00:26:28,519

science media center round up with a

561

00:26:26,210 --> 00:26:31,250

positive response was Professor George

562

00:26:28,519 --> 00:26:33,799

Lewis professor of Health Research at

563

00:26:31,250 --> 00:26:36,079

the University of Southampton who said

564

00:26:33,799 --> 00:26:38,750

quote this looks to me to be a

565

00:26:36,079 --> 00:26:41,419

good-sized fastidious well conducted

566

00:26:38,750 --> 00:26:43,730

study Cochrane a for an acupuncture

567

00:26:41,420 --> 00:26:46,880

trial in which the therapist cannot be

568

00:26:43,730 --> 00:26:49,069

blinded the outcome is clear and the

569

00:26:46,880 --> 00:26:51,800

power of the study seems reasonable

570

00:26:49,069 --> 00:26:54,529

which suggests that medical acupuncture

571
00:26:51,799 --> 00:26:56,930
is a reasonable and as far as we know

572
00:26:54,529 --> 00:27:00,200
safe intervention for infant colic and

573
00:26:56,930 --> 00:27:03,680
quote however Calhoun described Lueth as

574
00:27:00,200 --> 00:27:06,319
quote the well-known apologist for all

575
00:27:03,680 --> 00:27:08,930
things quack 'ish end quote adding that

576
00:27:06,319 --> 00:27:12,079
lueth showed what he called quote and

577
00:27:08,930 --> 00:27:15,289
ignorance of statistics that would shame

578
00:27:12,079 --> 00:27:18,439
and undergraduate end quote Calhoun

579
00:27:15,289 --> 00:27:20,839
summed up quote the design of the child

580
00:27:18,440 --> 00:27:23,539
is reasonable apart from the control

581
00:27:20,839 --> 00:27:26,389
group but the statistical analysis is

582
00:27:23,539 --> 00:27:28,759
appalling it's very likely that there

583
00:27:26,390 --> 00:27:31,820
aren't any real effects of acupuncture

584
00:27:28,759 --> 00:27:33,740
at all this paper serves more to muddy

585
00:27:31,819 --> 00:27:36,559
the waters then to add useful

586
00:27:33,740 --> 00:27:39,579
information it's a model for the sort of

587
00:27:36,559 --> 00:27:42,710
mistakes that have led to the crisis in

588
00:27:39,579 --> 00:27:45,619
reproducibility the bmj should not be

589
00:27:42,710 --> 00:27:48,170
publishing this sort of stuff and the

590
00:27:45,619 --> 00:27:52,329
referees seem to have no understanding

591
00:27:48,170 --> 00:27:52,330
of statistics end quote

592
00:27:52,470 --> 00:27:57,460
and that was wide condemnation of pro

593
00:27:55,599 --> 00:28:00,069
acupuncture research paper on infant

594
00:27:57,460 --> 00:28:02,819
colic written by Tim mendham published

595
00:28:00,069 --> 00:28:24,970
on the twenty-second of January 2017 at

596
00:28:02,819 --> 00:28:27,639
ww skeptics calm a you and now direct

597
00:28:24,970 --> 00:28:33,120
from the cafe at Australia's science

598
00:28:27,640 --> 00:28:33,120
channel its brouhaha with tenure Meyer

599

00:28:34,500 --> 00:28:39,400
you all know about the trouble Samsung

600
00:28:37,240 --> 00:28:41,529
is having at the moment no doubt the

601
00:28:39,400 --> 00:28:43,900
cost of the company is going to be huge

602
00:28:41,529 --> 00:28:46,990
in terms of dollars I mean those

603
00:28:43,900 --> 00:28:48,970
fireproof boxes can't be cheap but the

604
00:28:46,990 --> 00:28:51,849
dollars cost is nothing compared to the

605
00:28:48,970 --> 00:28:54,819
environmental costs smartphones aren't

606
00:28:51,849 --> 00:28:57,549
really recycled not like our old school

607
00:28:54,819 --> 00:28:59,559
phones are we haven't really worked out

608
00:28:57,549 --> 00:29:02,889
how to do it and make use of the bits we

609
00:28:59,559 --> 00:29:05,710
end up with about 50 rare earth minerals

610
00:29:02,890 --> 00:29:07,960
and metals end up in your phone their

611
00:29:05,710 --> 00:29:10,360
mind from around the world transported

612
00:29:07,960 --> 00:29:13,630
to factories put into phones and shipped

613
00:29:10,359 --> 00:29:15,609

back around the world now Samsung's

614

00:29:13,630 --> 00:29:19,210

phones are being shipped around the

615

00:29:15,609 --> 00:29:21,909

world again only to have about 12 of

616

00:29:19,210 --> 00:29:24,670

those metals recycled the rest will be

617

00:29:21,910 --> 00:29:27,180

thrown away including all the rare stuff

618

00:29:24,670 --> 00:29:30,039

that the earth is fast running out of if

619

00:29:27,180 --> 00:29:31,690

Samsung hadn't glued in the battery they

620

00:29:30,039 --> 00:29:34,149

might have been able to recycle a few

621

00:29:31,690 --> 00:29:36,160

more but i guess if they hadn't glued in

622

00:29:34,150 --> 00:29:39,820

the battery we wouldn't be having this

623

00:29:36,160 --> 00:29:42,580

conversation yes Samsung will be taking

624

00:29:39,819 --> 00:29:44,319

a big loss on the Galaxy seven but the

625

00:29:42,579 --> 00:29:46,799

environment will be taking an even

626

00:29:44,319 --> 00:29:46,799

bigger one

627

00:29:48,490 --> 00:29:53,630

this week cycling fanatics are going

628
00:29:51,230 --> 00:29:54,620
crazy for the tour down under but if

629
00:29:53,630 --> 00:29:57,049
you're anything like me you're probably

630
00:29:54,619 --> 00:30:00,288
just wondering why the hell people put

631
00:29:57,048 --> 00:30:03,259
their bodies through such torture but

632
00:30:00,288 --> 00:30:05,148
what have you had some help what if you

633
00:30:03,259 --> 00:30:07,669
did what we will really wanted to do and

634
00:30:05,148 --> 00:30:11,028
you put a tiny electric motor in your

635
00:30:07,669 --> 00:30:12,950
life maybe it sounds unrealistic but the

636
00:30:11,028 --> 00:30:15,440
rule-makers of cycling are actually

637
00:30:12,950 --> 00:30:17,240
worried about cheats doing it just now

638
00:30:15,440 --> 00:30:19,970
French politicians have tried to make it

639
00:30:17,240 --> 00:30:21,649
a criminal offense in pro sport but

640
00:30:19,970 --> 00:30:23,870
every time there's a crackdown on one

641
00:30:21,648 --> 00:30:26,689
type of cheating another one turns up

642
00:30:23,869 --> 00:30:28,308
and hey while we don't condone it it's

643
00:30:26,690 --> 00:30:29,950
pretty interesting to see what the

644
00:30:28,308 --> 00:30:32,210
cheats are going to come up with next

645
00:30:29,950 --> 00:30:34,899
just think what they could do if they

646
00:30:32,210 --> 00:30:37,700
put their creativity to honest use and

647
00:30:34,898 --> 00:30:39,768
you know what for mere mortals like me a

648
00:30:37,700 --> 00:30:41,538
tiny motor in my bike is a great idea

649
00:30:39,769 --> 00:30:43,548
it's not going to make me the world

650
00:30:41,538 --> 00:30:48,230
champion but trust me I need all the

651
00:30:43,548 --> 00:30:52,038
help I can get for more brouhaha and

652
00:30:48,230 --> 00:30:55,230
Australian science head for ww Australia

653
00:30:52,038 --> 00:31:07,190
science TV

654
00:30:55,230 --> 00:31:10,140
[Music]

655
00:31:07,190 --> 00:31:12,929
now here's news of a meetup in Victoria

656

00:31:10,140 --> 00:31:15,870
the more d alec skeptics in the pub

657
00:31:12,929 --> 00:31:17,910
known as more d skeptics in the pub have

658
00:31:15,869 --> 00:31:20,569
a meeting on tuesday the seventh of

659
00:31:17,910 --> 00:31:23,850
februari starting at seven thirty p.m.

660
00:31:20,569 --> 00:31:26,069
UFO belief and religion by the one and

661
00:31:23,849 --> 00:31:29,250
only dr steve roberts an old friend of

662
00:31:26,069 --> 00:31:32,279
the skeptic zone dr steve roberts a UFO

663
00:31:29,250 --> 00:31:34,500
expert but how can anybody be an expert

664
00:31:32,279 --> 00:31:37,168
in something that is unknown hmmm will

665
00:31:34,500 --> 00:31:39,900
attempt to describe the UFO believers

666
00:31:37,169 --> 00:31:42,960
mindset drawing parallels with how

667
00:31:39,900 --> 00:31:44,519
religions develop steve's cheerful talk

668
00:31:42,960 --> 00:31:47,700
i'm reading this off the website folks

669
00:31:44,519 --> 00:31:51,929
just his cheerful talk will feature

670
00:31:47,700 --> 00:31:55,169

numerous jokes i hope so what's a UFO

671

00:31:51,929 --> 00:31:57,360

joke and relevant quotations from monty

672

00:31:55,169 --> 00:32:00,120

python's life of brian this does sound

673

00:31:57,359 --> 00:32:02,399

like a good talk all are welcome except

674

00:32:00,119 --> 00:32:04,979

the popular front of Judea yes very much

675

00:32:02,400 --> 00:32:07,740

Steve Roberts is a long-standing member

676

00:32:04,980 --> 00:32:10,558

of Australian skeptics and he is the

677

00:32:07,740 --> 00:32:12,210

author of dr. Bob's trivia quiz the

678

00:32:10,558 --> 00:32:15,029

answers to which you will not find in

679

00:32:12,210 --> 00:32:17,250

any encyclopedia steve has a PhD in

680

00:32:15,029 --> 00:32:20,940

chemistry but now works as a consultant

681

00:32:17,250 --> 00:32:23,669

and cryptologist for major banks he even

682

00:32:20,940 --> 00:32:27,450

worked as an intelligence analyst during

683

00:32:23,669 --> 00:32:31,169

the Cold War Steve don't retire just yet

684

00:32:27,450 --> 00:32:33,058

anyway UFOs belief and religion by dr.

685
00:32:31,169 --> 00:32:35,250
Steve Roberts it sounds like a really

686
00:32:33,058 --> 00:32:38,190
great talk for more information just

687
00:32:35,250 --> 00:32:41,308
google more d alec skeptics in the pub

688
00:32:38,190 --> 00:32:43,558
or mor di Morty skeptics in the pub will

689
00:32:41,308 --> 00:32:46,678
simply click the link in this week's

690
00:32:43,558 --> 00:32:49,859
show notes so that's Tuesday the seventh

691
00:32:46,679 --> 00:32:52,030
of februari at seven thirty PM Modi Alec

692
00:32:49,859 --> 00:33:04,659
sporting club in Victoria

693
00:32:52,029 --> 00:33:04,660
[Music]

694
00:33:06,200 --> 00:33:13,399
here's Maynard spooky action at a

695
00:33:10,888 --> 00:33:13,398
distance

696
00:33:13,759 --> 00:33:21,109
ooh maenad spooky action at a distance

697
00:33:18,130 --> 00:33:22,610
named after oh another thing that swap

698
00:33:21,109 --> 00:33:23,839
so everyone's idea that I don't know

699

00:33:22,609 --> 00:33:26,000

look it up at home and speaking of

700

00:33:23,839 --> 00:33:28,549

looking it up look up Richard Saunders

701

00:33:26,000 --> 00:33:30,549

hello may night I love to come here to

702

00:33:28,549 --> 00:33:33,680

visit the Maynard international Studios

703

00:33:30,549 --> 00:33:35,329

annex yes we're just watching two shows

704

00:33:33,680 --> 00:33:37,130

at the moment on the TV we've been

705

00:33:35,329 --> 00:33:39,889

watching out what on earth which is a

706

00:33:37,130 --> 00:33:42,170

show about satellite photos that people

707

00:33:39,890 --> 00:33:44,750

speculate about and we're watching now

708

00:33:42,170 --> 00:33:46,940

you have been warned which has a whole

709

00:33:44,750 --> 00:33:48,619

bunch of people doing wacky stuff on

710

00:33:46,940 --> 00:33:50,600

video shows that they do sometimes

711

00:33:48,619 --> 00:33:52,369

hurting themselves but it has scientists

712

00:33:50,599 --> 00:33:54,409

explaining the parabola like if you go

713

00:33:52,369 --> 00:33:56,959
to jump a bike over a roof how fav that

714
00:33:54,410 --> 00:33:58,370
I come from to do it and you know what I

715
00:33:56,960 --> 00:34:00,500
only come over here may not to watch

716
00:33:58,369 --> 00:34:02,419
your cable TV from time to time towards

717
00:34:00,500 --> 00:34:04,309
these crazy shows but it's a lot of fun

718
00:34:02,420 --> 00:34:06,890
yes actually watching someone boiling

719
00:34:04,309 --> 00:34:08,179
coffee in sand at the moment and that's

720
00:34:06,890 --> 00:34:10,010
all got something to do with inductive

721
00:34:08,179 --> 00:34:11,630
heating or something it's very

722
00:34:10,010 --> 00:34:13,580
educational well I'd say what's

723
00:34:11,630 --> 00:34:16,730
educational too as you know I listened

724
00:34:13,579 --> 00:34:18,199
to the the true sound of the universe I

725
00:34:16,730 --> 00:34:21,050
like a lot of alternative punk

726
00:34:18,199 --> 00:34:21,980
alternative podcasts with and I think

727
00:34:21,050 --> 00:34:25,639

you would describe them as having

728

00:34:21,980 --> 00:34:28,340

alternative facts Richard you've got

729

00:34:25,639 --> 00:34:29,659

that bad no I do enjoy your segments

730

00:34:28,340 --> 00:34:31,340

every now and then on the skeptics and

731

00:34:29,659 --> 00:34:33,769

where is it every now and then we don't

732

00:34:31,340 --> 00:34:35,539

know yet what's may not listening to and

733

00:34:33,769 --> 00:34:37,519

here's another one here's one that came

734

00:34:35,539 --> 00:34:40,519

out this week one the podcasts are like

735

00:34:37,519 --> 00:34:43,340

listening to is called podcast UFO now

736

00:34:40,519 --> 00:34:45,349

the host is Martin Willis and they also

737

00:34:43,340 --> 00:34:48,470

have giving weekly updates and this is

738

00:34:45,349 --> 00:34:50,809

worth listening to whether you are fan

739

00:34:48,469 --> 00:34:53,689

who you f ology or not that's Alejandro

740

00:34:50,809 --> 00:34:55,909

Rogers he gives weekly updates and he

741

00:34:53,690 --> 00:34:57,349

just mentions all the latest sightings

742
00:34:55,909 --> 00:34:58,460
that have been around and he's not

743
00:34:57,349 --> 00:35:00,289
saying that these things are definitely

744
00:34:58,460 --> 00:35:02,480
craft from outer space he's just saying

745
00:35:00,289 --> 00:35:05,690
telling you where the lights are in the

746
00:35:02,480 --> 00:35:08,329
sky there was a recent UFO flap down

747
00:35:05,690 --> 00:35:09,889
Chile way there was a an infrared photo

748
00:35:08,329 --> 00:35:11,329
they released that the Chilean

749
00:35:09,889 --> 00:35:14,449
government couldn't work out what it was

750
00:35:11,329 --> 00:35:17,119
I think and it turned out to be one of

751
00:35:14,449 --> 00:35:20,059
those very large airliners flying flying

752
00:35:17,119 --> 00:35:21,409
away front from the camera and so it was

753
00:35:20,059 --> 00:35:22,909
worked out that that's turned out what

754
00:35:21,409 --> 00:35:24,349
it was so that's why they couldn't work

755
00:35:22,909 --> 00:35:26,420
out the distance in size of this object

756
00:35:24,349 --> 00:35:27,089
cuz it was very big and it was away from

757
00:35:26,420 --> 00:35:30,570
the camera

758
00:35:27,090 --> 00:35:32,309
and how did you discover this one it's

759
00:35:30,570 --> 00:35:34,470
yeah and what it what a great name I

760
00:35:32,309 --> 00:35:38,190
must say for a website in a podcast

761
00:35:34,469 --> 00:35:39,809
podcast UFO ponticar podcast UFO calm is

762
00:35:38,190 --> 00:35:41,340
where it's at and they talked to all

763
00:35:39,809 --> 00:35:42,929
sorts of well look because I just look

764
00:35:41,340 --> 00:35:44,490
around I just look around i look at you

765
00:35:42,929 --> 00:35:46,829
followed you all that sort of thing and

766
00:35:44,489 --> 00:35:48,449
you know um that's what i'm doing later

767
00:35:46,829 --> 00:35:50,489
tonight people you might think i'm doing

768
00:35:48,449 --> 00:35:52,259
other stuff but that's what I'm doing

769
00:35:50,489 --> 00:35:55,289
late at night but the latest guests they

770

00:35:52,260 --> 00:35:57,930
had i believe it was showed 237 i think

771
00:35:55,289 --> 00:35:59,789
it was they had nick redfern now Nick

772
00:35:57,929 --> 00:36:02,549
Redfern used to work for the ministry of

773
00:35:59,789 --> 00:36:04,409
defense in the UK looking after the part

774
00:36:02,550 --> 00:36:06,960
the Department of strange sightings and

775
00:36:04,409 --> 00:36:09,239
things like that he would sort of note

776
00:36:06,960 --> 00:36:10,590
them I don't think he had any power to

777
00:36:09,239 --> 00:36:12,529
do much investigation but he'd certainly

778
00:36:10,590 --> 00:36:15,180
note them and see what was going on and

779
00:36:12,530 --> 00:36:18,150
he was a guest on the show and towards

780
00:36:15,179 --> 00:36:21,449
the end of that show on that podcast 237

781
00:36:18,150 --> 00:36:24,630
they asked him what would be the

782
00:36:21,449 --> 00:36:28,169
definitive evidence that would convince

783
00:36:24,630 --> 00:36:30,150
skeptics that UFOs are a real phenomena

784
00:36:28,170 --> 00:36:33,389

of some sort and not just some sort of

785

00:36:30,150 --> 00:36:35,510

thing that people are imagining and this

786

00:36:33,389 --> 00:36:37,650

is what he said and I think you want to

787

00:36:35,510 --> 00:36:39,210

phrase this as a question to the

788

00:36:37,650 --> 00:36:41,039

audience I do now we'll get about to

789

00:36:39,210 --> 00:36:44,670

play a clip from this this show the

790

00:36:41,039 --> 00:36:46,920

podcast UFO and have a listen to this

791

00:36:44,670 --> 00:36:51,690

clip have a listen to the arguments and

792

00:36:46,920 --> 00:36:53,579

we would like your response now do you

793

00:36:51,690 --> 00:36:55,950

think there are some logical fallacies

794

00:36:53,579 --> 00:36:58,349

going on here if so which ones are they

795

00:36:55,949 --> 00:37:00,210

and can you sort of explain those when

796

00:36:58,349 --> 00:37:02,639

you come up with your answers go to our

797

00:37:00,210 --> 00:37:04,980

facebook page a facebook page of the

798

00:37:02,639 --> 00:37:08,489

skeptic zone i'll link ad-skipping zone

799
00:37:04,980 --> 00:37:10,159
TV and in the comment sections for this

800
00:37:08,489 --> 00:37:12,689
week's episode give us your thoughts

801
00:37:10,159 --> 00:37:16,649
let's have a listen as a Martin Willis

802
00:37:12,690 --> 00:37:19,619
asks guest Nick Redfern on episode 237 a

803
00:37:16,650 --> 00:37:21,840
podcast UFO and see what you think yeah

804
00:37:19,619 --> 00:37:24,719
so when I've talked to skeptics I've had

805
00:37:21,840 --> 00:37:26,010
a few on the show in the past and you

806
00:37:24,719 --> 00:37:28,709
know I've asked them a question what

807
00:37:26,010 --> 00:37:32,370
type of proof would you actually need

808
00:37:28,710 --> 00:37:34,320
and they that the answers I get are

809
00:37:32,369 --> 00:37:36,869
always the same you know physical

810
00:37:34,320 --> 00:37:38,570
evidence something they can you know

811
00:37:36,869 --> 00:37:40,730
research in you know

812
00:37:38,570 --> 00:37:44,750
in their hands type of thing I remember

813
00:37:40,730 --> 00:37:48,289
of seth shostack from SETI said he would

814
00:37:44,750 --> 00:37:51,650
need a wing in the Smithsonian with UFO

815
00:37:48,289 --> 00:37:53,989
parts in it before he believed in it so

816
00:37:51,650 --> 00:37:57,110
well you know I mean I understand sort

817
00:37:53,989 --> 00:38:02,539
of the need for evidence but you know

818
00:37:57,110 --> 00:38:04,039
sometimes the body of data be certain if

819
00:38:02,539 --> 00:38:06,469
not proof it's definitely sort of

820
00:38:04,039 --> 00:38:09,139
persuasive I mean you know there are

821
00:38:06,469 --> 00:38:11,119
examples where people have been found

822
00:38:09,139 --> 00:38:15,079
guilty of murder when there's nobody you

823
00:38:11,119 --> 00:38:16,759
know millions of twelve billions of

824
00:38:15,079 --> 00:38:18,980
people not millions millions of people

825
00:38:16,760 --> 00:38:21,620
millions of people you know believe in a

826
00:38:18,980 --> 00:38:24,170
God you know and I'm sort of open-minded

827

00:38:21,619 --> 00:38:26,420
on the whole phenomenon of that as to

828
00:38:24,170 --> 00:38:29,539
what you know the situation really is

829
00:38:26,420 --> 00:38:32,630
but you know I don't mean this we

830
00:38:29,539 --> 00:38:34,130
disrespect I mainly just as a fact you

831
00:38:32,630 --> 00:38:38,090
know billions of people believe in the

832
00:38:34,130 --> 00:38:39,740
existence of a god unbelief alone you

833
00:38:38,090 --> 00:38:41,269
know and there's nothing wrong with that

834
00:38:39,739 --> 00:38:43,369
you know I don't have a problem with

835
00:38:41,269 --> 00:38:47,239
people who have faith or anything like

836
00:38:43,369 --> 00:38:51,500
that at all but you know I think you

837
00:38:47,239 --> 00:38:53,149
can't criticize ufology for believing

838
00:38:51,500 --> 00:38:55,280
the accounts and believing the

839
00:38:53,150 --> 00:38:58,070
statistics when somebody else believes

840
00:38:55,280 --> 00:39:01,940
you know that when they died some part

841
00:38:58,070 --> 00:39:05,240

of the body continues you know so I

842

00:39:01,940 --> 00:39:07,820

think in that sense if we're going to be

843

00:39:05,239 --> 00:39:12,349

criticized for believing in things then

844

00:39:07,820 --> 00:39:14,900

that should apply across the board or it

845

00:39:12,349 --> 00:39:17,509

shouldn't apply at all you know I think

846

00:39:14,900 --> 00:39:20,660

we were flying triangles do we have a

847

00:39:17,510 --> 00:39:23,810

flying triangle in hand no we don't can

848

00:39:20,659 --> 00:39:25,909

we make a persuasive case but allows us

849

00:39:23,809 --> 00:39:28,190

to believe these things are real yes we

850

00:39:25,909 --> 00:39:30,949

can because of you know we have a few

851

00:39:28,190 --> 00:39:34,730

photographs and we have highly credible

852

00:39:30,949 --> 00:39:38,029

testimony from military personnel so in

853

00:39:34,730 --> 00:39:40,789

that sense you know belief you know

854

00:39:38,030 --> 00:39:42,980

become sort of a blurry line really well

855

00:39:40,789 --> 00:39:44,809

see for me that's a that's a that's an

856
00:39:42,980 --> 00:39:47,690
argument to me that it obscures it a bit

857
00:39:44,809 --> 00:39:49,519
because I I would actually say that if

858
00:39:47,690 --> 00:39:51,530
people are experiencing or witnessing

859
00:39:49,519 --> 00:39:51,980
something there is a phenomenon going on

860
00:39:51,530 --> 00:39:54,290
even

861
00:39:51,980 --> 00:39:55,760
it isn't purely physical well I don't

862
00:39:54,289 --> 00:39:57,769
want to say too much because I've made

863
00:39:55,760 --> 00:40:00,470
up when I listened to it I was in fact

864
00:39:57,769 --> 00:40:02,900
mentioning to you off microphone oh this

865
00:40:00,469 --> 00:40:04,879
this this logical fallacy in this chain

866
00:40:02,900 --> 00:40:06,530
of arguments but we are interested in

867
00:40:04,880 --> 00:40:08,210
what you think dear listeners what you

868
00:40:06,530 --> 00:40:10,160
think yeah well you you suggested a

869
00:40:08,210 --> 00:40:11,510
Latin phrase i think it was caveat

870
00:40:10,159 --> 00:40:12,679
emptor or something like that and I

871
00:40:11,510 --> 00:40:21,109
thought well it's got nothing to do it

872
00:40:12,679 --> 00:40:23,690
shopping at aldi but I digress then yes

873
00:40:21,108 --> 00:40:26,090
yes okay yes oh yes oh so people can go

874
00:40:23,690 --> 00:40:27,740
where and do what all right if you go if

875
00:40:26,090 --> 00:40:29,750
you go to a facebook and just look up

876
00:40:27,739 --> 00:40:32,868
the skeptic zone and go to our facebook

877
00:40:29,750 --> 00:40:35,869
page or go to skeptics zone dot TV there

878
00:40:32,869 --> 00:40:38,300
is a link there to the facebook page and

879
00:40:35,869 --> 00:40:39,740
every week in fact you can if you so

880
00:40:38,300 --> 00:40:43,869
wish you can put your comments up there

881
00:40:39,739 --> 00:40:43,868
okay but until then

882
00:41:02,900 --> 00:41:09,200
hey Richard oh hi Trish well would you

883
00:41:07,548 --> 00:41:11,389
like a coffee yeah thanks what you're

884

00:41:09,199 --> 00:41:13,788
working on trying to come up with a new

885
00:41:11,389 --> 00:41:16,578
promo to play on the skeptic zone who's

886
00:41:13,789 --> 00:41:19,010
it for the good thinking society in the

887
00:41:16,579 --> 00:41:21,349
UK you know Michael Marshall Simon Singh

888
00:41:19,010 --> 00:41:23,119
Nora Thomas and black cloud oh yeah I

889
00:41:21,349 --> 00:41:25,359
know them they've been doing some great

890
00:41:23,119 --> 00:41:28,338
work investigating veterinary homeopathy

891
00:41:25,358 --> 00:41:30,710
fit Andrey homeopathy what you sugarpill

892
00:41:28,338 --> 00:41:31,880
this for cows I know right and also

893
00:41:30,710 --> 00:41:34,059
they're looking at some of the dodgy

894
00:41:31,880 --> 00:41:36,318
medical advice given by UK chiropractors

895
00:41:34,059 --> 00:41:39,470
really okay look I'll mention all that

896
00:41:36,318 --> 00:41:43,849
in the promo now their website is good

897
00:41:39,469 --> 00:41:45,169
thinking society org and they've

898
00:41:43,849 --> 00:41:46,940

recently been reporting on the

899

00:41:45,170 --> 00:41:49,579

resurgence of faith healer peter Popoff

900

00:41:46,940 --> 00:41:50,960

Peter Piper right okay look thanks to

901

00:41:49,579 --> 00:41:53,380

that it gives me something good to think

902

00:41:50,960 --> 00:41:53,380

about

903

00:41:58,079 --> 00:42:01,429

[Music]

904

00:42:02,599 --> 00:42:10,380

from the blog of Professor ettes at

905

00:42:05,789 --> 00:42:12,300

ernst at X at burnstow com published on

906

00:42:10,380 --> 00:42:15,930

the tenth of december twenty sixteen

907

00:42:12,300 --> 00:42:22,440

when skeptics criticize homeopathy they

908

00:42:15,929 --> 00:42:25,618

are often wrong yes this post might come

909

00:42:22,440 --> 00:42:27,750

as a surprise to some and no i'm not

910

00:42:25,619 --> 00:42:30,480

changing sides in the debate about

911

00:42:27,750 --> 00:42:33,210

homeopathy but i have long felt that

912

00:42:30,480 --> 00:42:35,670

when skeptics criticize homeopathy they

913
00:42:33,210 --> 00:42:38,119
often wrong foot themselves by using

914
00:42:35,670 --> 00:42:41,530
arguments which are not entirely correct

915
00:42:38,119 --> 00:42:44,180
here i want to list at seven of them

916
00:42:41,530 --> 00:42:48,150
[Music]

917
00:42:44,179 --> 00:42:51,629
homeopathy is one single well-defined

918
00:42:48,150 --> 00:42:54,630
entity during the last two hundred years

919
00:42:51,630 --> 00:42:57,510
many different variations of Hanuman's

920
00:42:54,630 --> 00:43:00,180
classical homeopathy have emerged for

921
00:42:57,510 --> 00:43:03,420
instance clinical homeopathy complex

922
00:43:00,179 --> 00:43:04,710
homeopathy and ico pathy strictly

923
00:43:03,420 --> 00:43:06,930
speaking they should be differentiated

924
00:43:04,710 --> 00:43:13,650
and it would not be correct to

925
00:43:06,929 --> 00:43:15,899
generalize across all of them in the 200

926
00:43:13,650 --> 00:43:20,099
years history of homeopathy homeopaths

927
00:43:15,900 --> 00:43:22,010
have done no good at all hanuman and his

928
00:43:20,099 --> 00:43:25,170
followers can be credited with

929
00:43:22,010 --> 00:43:27,960
considerable achievements foremost they

930
00:43:25,170 --> 00:43:29,970
realized that 200 years ago most of the

931
00:43:27,960 --> 00:43:33,929
conventional treatments in common use

932
00:43:29,969 --> 00:43:36,358
were not just useless but often outright

933
00:43:33,929 --> 00:43:38,789
dangerous their criticism of quote

934
00:43:36,358 --> 00:43:41,489
heroic medicine and quote help to

935
00:43:38,789 --> 00:43:44,190
initiate crucial reforms and to improve

936
00:43:41,489 --> 00:43:46,219
health care for the benefit of millions

937
00:43:44,190 --> 00:43:49,200
[Music]

938
00:43:46,219 --> 00:43:52,069
no theories to explain how homeopathy

939
00:43:49,199 --> 00:43:54,629
might work have ever been put forward

940
00:43:52,070 --> 00:43:57,480
there are several theories which might

941

00:43:54,630 --> 00:44:00,570
go some way in explaining how homeopathy

942
00:43:57,480 --> 00:44:03,059
works but all of them are currently just

943
00:44:00,570 --> 00:44:05,640
theories and none provides a full

944
00:44:03,059 --> 00:44:06,288
explanation as to the mechanism of

945
00:44:05,639 --> 00:44:09,558
action

946
00:44:06,289 --> 00:44:11,719
of highly diluted remedies yet to claim

947
00:44:09,559 --> 00:44:13,719
that homeopathy is totally implausible

948
00:44:11,719 --> 00:44:20,958
might be a counterproductive

949
00:44:13,719 --> 00:44:23,059
exaggeration there is nothing in it many

950
00:44:20,958 --> 00:44:26,958
skeptics claim that homeopathic remedies

951
00:44:23,059 --> 00:44:28,910
are devoid of active ingredients yet not

952
00:44:26,958 --> 00:44:31,538
all soma pathak remedies are highly

953
00:44:28,909 --> 00:44:34,278
diluted some can contain

954
00:44:31,539 --> 00:44:36,469
pharmacologically active compounds for

955
00:44:34,278 --> 00:44:38,929

affecting human health these

956

00:44:36,469 --> 00:44:44,989
preparations therefore cannot be

957

00:44:38,929 --> 00:44:47,059
classified as implausible there is no

958

00:44:44,989 --> 00:44:50,028
credible evidence at all that might

959

00:44:47,059 --> 00:44:52,249
support homeopathy several well

960

00:44:50,028 --> 00:44:54,409
conducted clinical studies of homeopathy

961

00:44:52,248 --> 00:44:57,858
with positive results have been

962

00:44:54,409 --> 00:44:59,748
published it is therefore not true to

963

00:44:57,858 --> 00:45:02,380
claim that there is no good trial

964

00:44:59,748 --> 00:45:05,418
evidence at all to support homeopathy

965

00:45:02,380 --> 00:45:07,959
the much better point skeptics should

966

00:45:05,418 --> 00:45:10,518
make is that the totality of the

967

00:45:07,958 --> 00:45:12,978
reliable evidence fails to show that

968

00:45:10,518 --> 00:45:19,188
highly dilute homeopathic remedies are

969

00:45:12,978 --> 00:45:21,588
more effective than placebos homeopaths

970
00:45:19,188 --> 00:45:24,768
aim at deceiving their patients because

971
00:45:21,588 --> 00:45:26,958
they have nothing to offer them it would

972
00:45:24,768 --> 00:45:29,928
be wrong to claim that all homeopaths

973
00:45:26,958 --> 00:45:31,818
aim at deceiving their patients and it

974
00:45:29,929 --> 00:45:33,858
would be misleading to say that

975
00:45:31,818 --> 00:45:35,869
homeopaths have nothing to offer to

976
00:45:33,858 --> 00:45:38,568
their patients many patients have

977
00:45:35,869 --> 00:45:40,489
homeopaths primarily treasure the long

978
00:45:38,568 --> 00:45:42,409
compassionate consultations that

979
00:45:40,489 --> 00:45:45,318
homeopaths have with their patients and

980
00:45:42,409 --> 00:45:48,829
see the homeopathic remedy as secondary

981
00:45:45,318 --> 00:45:51,228
seen from this perspective homeopaths do

982
00:45:48,829 --> 00:45:57,199
offer something that many patients value

983
00:45:51,228 --> 00:46:00,248
highly patients who use homeopathy must

984

00:45:57,199 --> 00:46:02,599

be stupid it would be arrogant

985

00:46:00,248 --> 00:46:04,998

consulting and counterproductive to

986

00:46:02,599 --> 00:46:08,359

claim that everyone who uses homeopathy

987

00:46:04,998 --> 00:46:10,848

is stupid patients consult homeopaths

988

00:46:08,358 --> 00:46:12,528

mostly because they have a needs which

989

00:46:10,849 --> 00:46:15,169

are not being met by conventional

990

00:46:12,528 --> 00:46:17,748

medicine but which they feel taken care

991

00:46:15,168 --> 00:46:19,819

of by homeopathy seen from this

992

00:46:17,748 --> 00:46:21,859

perspective the current popular

993

00:46:19,820 --> 00:46:24,590

verity of homeopathy in some countries

994

00:46:21,860 --> 00:46:27,470

is a poignant criticism of conventional

995

00:46:24,590 --> 00:46:29,930

medicine to dismiss it as stupidity

996

00:46:27,469 --> 00:46:31,909

means missing a chance to learn an

997

00:46:29,929 --> 00:46:34,879

important lesson and to improve

998

00:46:31,909 --> 00:46:37,849
mainstream health care I know my stance

999
00:46:34,880 --> 00:46:39,740
here can easily get misunderstood but

1000
00:46:37,849 --> 00:46:41,599
please don't get me wrong i am not

1001
00:46:39,739 --> 00:46:43,819
saying that homeopathy is a useful

1002
00:46:41,599 --> 00:46:46,400
therapy nor am I suggesting that we

1003
00:46:43,820 --> 00:46:48,950
should not criticize it or stop public

1004
00:46:46,400 --> 00:46:51,440
funding for it all that I am trying to

1005
00:46:48,949 --> 00:46:54,049
convey here is when we criticize

1006
00:46:51,440 --> 00:46:57,079
homeopathy we ought to make sure our

1007
00:46:54,050 --> 00:46:59,600
arguments are factually correct if not

1008
00:46:57,079 --> 00:47:02,480
we only give ammunition to our opponents

1009
00:46:59,599 --> 00:47:04,730
in a nutshell I don't wish to undermine

1010
00:47:02,480 --> 00:47:08,329
our arguments but I want them to be more

1011
00:47:04,730 --> 00:47:09,949
effective and that was when skeptics

1012
00:47:08,329 --> 00:47:12,559

criticized homeopathy they are often

1013

00:47:09,949 --> 00:47:14,299

wrong written by heads up Ernst

1014

00:47:12,559 --> 00:47:18,079

published on the 10th for december at

1015

00:47:14,300 --> 00:47:19,120

its hard ernst calm with a link in this

1016

00:47:18,079 --> 00:47:31,569

week's show notes

1017

00:47:19,119 --> 00:47:34,069

[Music]

1018

00:47:31,570 --> 00:47:36,320

quack watch your guide to quackery

1019

00:47:34,070 --> 00:47:39,680

health fraud and intelligent decisions

1020

00:47:36,320 --> 00:47:41,720

operated by Steven Barrett MD crack

1021

00:47:39,679 --> 00:47:43,339

watch is now an international network of

1022

00:47:41,719 --> 00:47:45,559

people who concerned about

1023

00:47:43,340 --> 00:47:48,079

health-related frauds myths fans

1024

00:47:45,559 --> 00:47:50,929

fallacies and misconduct its primary

1025

00:47:48,079 --> 00:47:53,389

focus is on quackery related information

1026

00:47:50,929 --> 00:47:56,210

that is difficult or impossible to get

1027
00:47:53,389 --> 00:47:59,599
elsewhere articles on quackery include

1028
00:47:56,210 --> 00:48:03,220
quackery how should it be defined how it

1029
00:47:59,599 --> 00:48:06,440
sells 26 ways to spot it how it comes

1030
00:48:03,219 --> 00:48:08,929
cancer patients 7 warning signs for

1031
00:48:06,440 --> 00:48:11,920
bogus science why health professionals

1032
00:48:08,929 --> 00:48:13,849
become quacks and many more including

1033
00:48:11,920 --> 00:48:17,539
in-depth looks at acupuncture

1034
00:48:13,849 --> 00:48:22,799
chiropractic homeopathy naturopathy and

1035
00:48:17,539 --> 00:48:34,529
much more visit [www quack watch com](http://www.quackwatch.com)

1036
00:48:22,800 --> 00:48:34,530
[Music]

1037
00:48:39,730 --> 00:48:44,960
thank you for listening to the skeptic

1038
00:48:42,050 --> 00:48:47,660
zone was that expression that famous old

1039
00:48:44,960 --> 00:48:51,588
cliche may you live in interesting times

1040
00:48:47,659 --> 00:48:54,710
well we are living in interesting times

1041
00:48:51,588 --> 00:48:58,880
I wonder what this next week will bring

1042
00:48:54,710 --> 00:49:01,909
us newswise from the United States it's

1043
00:48:58,880 --> 00:49:05,059
it's hard to keep up with it really is

1044
00:49:01,909 --> 00:49:06,348
it's it's staggering as I mentioned at

1045
00:49:05,059 --> 00:49:08,539
the top of the show there may well be

1046
00:49:06,349 --> 00:49:10,789
some sort of protest march organized by

1047
00:49:08,539 --> 00:49:16,130
the scientific community now one of the

1048
00:49:10,789 --> 00:49:18,588
things that worried me long before we

1049
00:49:16,130 --> 00:49:20,930
heard about the real action taken by the

1050
00:49:18,588 --> 00:49:24,409
Trump administration or they're trying

1051
00:49:20,929 --> 00:49:28,868
was the fact that vice president Pence

1052
00:49:24,409 --> 00:49:33,019
is a well he seems to be a creationist

1053
00:49:28,869 --> 00:49:34,190
so I'm sure my friend Eugenie Scott who

1054
00:49:33,019 --> 00:49:35,809
worked for the National Center for

1055

00:49:34,190 --> 00:49:38,030
Science Education is equally concerned

1056
00:49:35,809 --> 00:49:39,710
about that I might see if I can

1057
00:49:38,030 --> 00:49:42,079
have a word to Jeanne about that anyway

1058
00:49:39,710 --> 00:49:43,880
lots happening in the world when it

1059
00:49:42,079 --> 00:49:46,818
comes to science and reason these days

1060
00:49:43,880 --> 00:49:48,559
folks we live in an interesting time

1061
00:49:46,818 --> 00:49:50,210
indeed thank you to those people who

1062
00:49:48,559 --> 00:49:53,358
find the skeptic sound interesting and

1063
00:49:50,210 --> 00:49:56,358
interesting enough to support the show

1064
00:49:53,358 --> 00:49:57,828
by patreon or just via micro payments at

1065
00:49:56,358 --> 00:50:01,909
PayPal and you can do all that at

1066
00:49:57,829 --> 00:50:05,660
skeptic zone dot TV the microphone I'm

1067
00:50:01,909 --> 00:50:07,519
speaking into right now was bought by

1068
00:50:05,659 --> 00:50:09,889
listeners of the skeptic zone via those

1069
00:50:07,519 --> 00:50:11,989

contributions and I thank you very much

1070

00:50:09,889 --> 00:50:14,449

and thank you to those people who also

1071

00:50:11,989 --> 00:50:19,519

support our reporter Maynard at Maynard

1072

00:50:14,449 --> 00:50:21,409

calm da to or patreon.com / Maynard for

1073

00:50:19,519 --> 00:50:24,739

his efforts into bringing entertainment

1074

00:50:21,409 --> 00:50:27,379

and comedy to the world via his podcast

1075

00:50:24,739 --> 00:50:29,838

with Tim Ferguson bunga bunga Andy's

1076

00:50:27,380 --> 00:50:32,240

other podcasts so please check that out

1077

00:50:29,838 --> 00:50:34,639

and if you enjoy Maynard's work he is

1078

00:50:32,239 --> 00:50:37,039

well worth supporting and if you would

1079

00:50:34,639 --> 00:50:39,078

like may nod to do some possibly some

1080

00:50:37,039 --> 00:50:42,050

voiceover work for you or something else

1081

00:50:39,079 --> 00:50:46,130

DJ work why not dropping the line just

1082

00:50:42,050 --> 00:50:49,400

visit Maynard com go to you and see what

1083

00:50:46,130 --> 00:50:50,778

he can do for you once again thank you

1084
00:50:49,400 --> 00:50:55,519
for listening

1085
00:50:50,778 --> 00:50:57,818
and for this week until next week which

1086
00:50:55,518 --> 00:51:00,828
will no doubt be a week filled with

1087
00:50:57,818 --> 00:51:03,349
shall we say interesting news this is

1088
00:51:00,829 --> 00:51:09,619
Richard Saunders signing off from Sydney

1089
00:51:03,349 --> 00:51:12,140
Australia you've been listening to the

1090
00:51:09,619 --> 00:51:15,979
sceptics own podcast visit our website

1091
00:51:12,139 --> 00:51:19,248
at wwc aiptek zoomtv for contacts and

1092
00:51:15,978 --> 00:51:22,428
archive of all episodes since 2008 and

1093
00:51:19,248 --> 00:51:24,468
our online store please support the

1094
00:51:22,429 --> 00:51:27,829
skeptic zone by following us on twitter

1095
00:51:24,469 --> 00:51:31,338
at skeptic zone liking us on facebook

1096
00:51:27,829 --> 00:51:32,869
and leaving a review on iTunes you can

1097
00:51:31,338 --> 00:51:36,679
also show your support by subscribing

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via paypal for as little as 99 cents a

1099
00:51:36,679 --> 00:51:41,329
week the skeptic zone is an independent

1100
00:51:39,739 --> 00:51:43,789
production the views and opinions

1101
00:51:41,329 --> 00:51:45,409
expressed on the skeptic zone and not

1102
00:51:43,789 --> 00:51:48,289
necessarily those of Australian

1103
00:51:45,409 --> 00:51:51,099
skeptically or any other skeptical

1104
00:51:48,289 --> 00:51:51,099
organization

1105
00:51:56,820 --> 00:52:03,970
so here's the transmitted yeah but to

1106
00:51:59,858 --> 00:52:06,489
put a put a bow yeah it's all right yeah

1107
00:52:03,969 --> 00:52:08,379
that's great and it's really good to see

1108
00:52:06,489 --> 00:52:15,429
that the Northern Rivers vaccination

1109
00:52:08,380 --> 00:52:21,700
support is it's a cat at the door Mord

1110
00:52:15,429 --> 00:52:29,889
what do you want you're going to come in

1111
00:52:21,699 --> 00:52:31,269
or out if you're coming in come in you

1112

00:52:29,889 --> 00:52:33,629
can stay are you going to be quiet if I

1113
00:52:31,269 --> 00:52:33,630
shut the door

1114
00:52:34,440 --> 00:52:37,489
[Music]