

Episode 544

THE
**SKEPTIC
ZONE**
PODCAST

www.skepticzone.tv

24 March 2019

The Skeptic Zone Podcast



Episode 544 - 24 March 2019

Australian Skeptics
on New Zealand
Tragedy

Pete Evans and
the 5G network

Soul & Spirit
New Age Puff

Crackdown on
Anti-Vaxxers

1
00:00:21,269 --> 00:00:16,609
now of course we were all absolutely

2
00:00:24,359 --> 00:00:21,279
shocked by the terrible tragedy in New

3
00:00:26,729 --> 00:00:24,369
Zealand in the past week the massacre of

4
00:00:28,729 --> 00:00:26,739
innocent people going about their daily

5
00:00:33,360 --> 00:00:28,739
business in this case attending a mosque

6
00:00:35,700 --> 00:00:33,370
or two mosques as it turned out and I

7
00:00:38,760 --> 00:00:35,710
note that the New Zealand Prime Minister

8
00:00:40,470 --> 00:00:38,770
has said that she will not mention the

9
00:00:45,260 --> 00:00:40,480
perpetrators name who happen to be

10
00:00:47,760 --> 00:00:45,270
Australian and so neither shall I and

11
00:00:49,860 --> 00:00:47,770
this has prompted the Australian

12
00:00:52,860 --> 00:00:49,870
skeptics to publish the following

13
00:00:58,490 --> 00:00:52,870

statement published at www.skype.com

14

00:01:01,440 --> 00:00:58,500

today you on the 19th of March 2019

15

00:01:05,600 --> 00:01:01,450

Australian skeptics Inc on

16

00:01:10,260 --> 00:01:08,340

Australian skeptics Inc is deeply

17

00:01:13,050 --> 00:01:10,270

saddened by the horrific terrorism

18

00:01:15,510 --> 00:01:13,060

attack in Christchurch on Friday which

19

00:01:17,760 --> 00:01:15,520

targeted the Muslim community our

20

00:01:20,669 --> 00:01:17,770

deepest condolences go out to all those

21

00:01:22,590 --> 00:01:20,679

affected those who are grieving the

22

00:01:24,690 --> 00:01:22,600

terrible loss of family friends

23

00:01:28,499 --> 00:01:24,700

colleagues neighbors through an act of

24

00:01:31,590 --> 00:01:28,509

violent hatred we stand with you at this

25

00:01:33,690 --> 00:01:31,600

awful time and offer our support as an

26

00:01:36,809 --> 00:01:33,700

organization we are committed to

27

00:01:39,240 --> 00:01:36,819

diversity and inclusivity and to

28

00:01:45,070 --> 00:01:39,250

challenge those who would spread fear

29

00:01:51,590 --> 00:01:47,930

and it's I guess it's a little bit

30

00:01:52,970 --> 00:01:51,600

ironic that I learnt about this horrible

31

00:01:55,760 --> 00:01:52,980

tragedy

32

00:01:58,910 --> 00:01:55,770

not long after I'd finished speaking to

33

00:02:02,120 --> 00:01:58,920

the Bay Area skeptics and part of the

34

00:02:04,430 --> 00:02:02,130

talk I was giving concern New Zealand

35

00:02:08,410 --> 00:02:04,440

and the so called psychic detectives in

36

00:02:10,820 --> 00:02:08,420

New Zealand and I made the point that

37

00:02:13,970 --> 00:02:10,830

there's not too many murders in New

38

00:02:15,980 --> 00:02:13,980

Zealand so any anyone can research as

39

00:02:19,730 --> 00:02:15,990

especially unsolved murders there's just

40

00:02:22,610 --> 00:02:19,740

not that many how sad it was then to

41

00:02:24,380 --> 00:02:22,620

hear about this horrible tragedy and to

42

00:02:28,400 --> 00:02:24,390

realize that many people were murdered

43

00:02:30,590 --> 00:02:28,410

at the same time and even though the

44

00:02:32,540 --> 00:02:30,600

skeptic zone podcast is independent from

45

00:02:35,090 --> 00:02:32,550

the Australian skeptics I am in both

46

00:02:38,270 --> 00:02:35,100

organisations of course and the skeptic

47

00:02:40,000 --> 00:02:38,280

zone completely echoes the statement by

48

00:02:59,059 --> 00:02:40,010

Australian skeptics Inc

49

00:03:05,030 --> 00:03:02,220

welcome to the skeptic zone the podcast

50

00:03:16,580 --> 00:03:05,040

from Australia for science and reason

51

00:03:16,580 --> 00:03:16,590

[Music]

52

00:03:26,220 --> 00:03:20,360

yes it's the skeptic zone episode number

53

00:03:28,260 --> 00:03:26,230

544 for the 24th of March 2019 Richard

54

00:03:32,070 --> 00:03:28,270

Saunders here with you from the San

55

00:03:34,980 --> 00:03:32,080

Francisco Bay Area where I'm visiting

56

00:03:37,140 --> 00:03:34,990

for a couple of weeks and yes what a

57

00:03:40,230 --> 00:03:37,150

terrible story coming out of my part of

58

00:03:44,130 --> 00:03:40,240

the world New Zealand just across the

59

00:03:46,620 --> 00:03:44,140

ditch as they say from Australia and as

60

00:03:52,100 --> 00:03:46,630

I record this introduction it's now just

61

00:03:57,060 --> 00:03:55,260

now coming up on this week's episode of

62

00:04:00,199 --> 00:03:57,070

the skipped exam we're going to start

63

00:04:03,540 --> 00:04:00,209

with an interesting story about

64

00:04:07,560 --> 00:04:03,550

movements lately by online outlets like

65

00:04:13,680 --> 00:04:07,570

Facebook and so on to curb and curtail

66

00:04:16,440 --> 00:04:13,690

and inhibit limit activities of the

67

00:04:19,080 --> 00:04:16,450

anti-vaccination crowd now I think this

68

00:04:21,240 --> 00:04:19,090

must be in response to recent outbreaks

69

00:04:23,070 --> 00:04:21,250

of things like measles especially in the

70

00:04:25,620 --> 00:04:23,080

United States and we'll hear from

71

00:04:29,730 --> 00:04:25,630

various news outlets about what these

72

00:04:33,690 --> 00:04:29,740

online organizations are doing to limit

73

00:04:35,430 --> 00:04:33,700

the impact of anti-vaxxers following

74

00:04:36,960 --> 00:04:35,440

that it's the raw skeptic Heidi

75

00:04:40,020 --> 00:04:36,970

Robertson from the Northern Rivers

76
00:04:43,680 --> 00:04:40,030
vaccination supporters Heidi is going to

77
00:04:46,290 --> 00:04:43,690
be telling us about some news concerning

78
00:04:48,750 --> 00:04:46,300
Pete Evans paleo Pete Evans a past

79
00:04:50,550 --> 00:04:48,760
winner of the Australian skeptics bent

80
00:04:52,560 --> 00:04:50,560
spoon award for the most purposeless

81
00:04:55,200 --> 00:04:52,570
piece of paranormal pseudo-scientific

82
00:04:58,920 --> 00:04:55,210
piffle now it seems Pete Evans has been

83
00:05:02,159 --> 00:04:58,930
sharing links to his many followers in

84
00:05:07,530 --> 00:05:02,169
the millions about anti vaccination and

85
00:05:09,690 --> 00:05:07,540
the dangers of the new 5g network who

86
00:05:13,050 --> 00:05:09,700
knows maybe Pete Evans will be in line

87
00:05:15,210 --> 00:05:13,060
for yet another bent spoon award find

88
00:05:17,760 --> 00:05:15,220

out more coming up with Heidi Robinson

89

00:05:20,969 --> 00:05:17,770

then to round off the show we continue

90

00:05:23,339 --> 00:05:20,979

our series of interviews reports items

91

00:05:25,409 --> 00:05:23,349

articles from the skeptic magazine the

92

00:05:27,060 --> 00:05:25,419

journal from Australian skeptics this

93

00:05:31,290 --> 00:05:27,070

week Tim Mendham looks

94

00:05:34,590 --> 00:05:31,300

a magazine and an online site the

95

00:05:39,900 --> 00:05:34,600

magazine a new-age wonder of puffs and

96

00:05:43,080 --> 00:05:39,910

sugary nothingness and online the Flat

97

00:05:44,700 --> 00:05:43,090

Earth movement stay tuned at the end of

98

00:05:46,590 --> 00:05:44,710

the show for more information from me

99

00:05:50,490 --> 00:05:46,600

but for now it's time for me to run

100

00:05:52,620 --> 00:05:50,500

upstairs and indulge myself with

101

00:05:57,330 --> 00:05:52,630

something that I can get pretty easily

102

00:06:02,220 --> 00:05:57,340

here in in California hella pinot potato

103

00:06:05,180 --> 00:06:02,230

chips oh boy oh boy while I enjoy those

104

00:06:28,480 --> 00:06:05,190

I hope you enjoy the skipping zone

105

00:06:33,980 --> 00:06:32,150

we live in interesting times now when it

106

00:06:36,050 --> 00:06:33,990

comes to the question of anti

107

00:06:38,420 --> 00:06:36,060

vaccination vaccinations this sort of

108

00:06:41,300 --> 00:06:38,430

thing for years as you know being a

109

00:06:43,550 --> 00:06:41,310

loyal skeptic zone listener dating right

110

00:06:46,940 --> 00:06:43,560

back to the very early episodes with dr.

111

00:06:48,770 --> 00:06:46,950

Ricci reports and more recently with the

112

00:06:50,360 --> 00:06:48,780

raw skeptic report with highly Robertson

113

00:06:54,500 --> 00:06:50,370

from the Northern Rivers vaccination

114

00:06:58,040 --> 00:06:54,510

supporters we have been consistently and

115

00:07:02,860 --> 00:06:58,050

strongly in favor of vaccination and

116

00:07:08,030 --> 00:07:02,870

consistently in vehement ly against the

117

00:07:10,040 --> 00:07:08,040

rabble the ragtag rabble of ratbags and

118

00:07:12,560 --> 00:07:10,050

misfits who call themselves the

119

00:07:14,420 --> 00:07:12,570

anti-vaxxers well let me take that fact

120

00:07:17,120 --> 00:07:14,430

they don't often call themselves

121

00:07:19,880 --> 00:07:17,130

anti-vaxxers outright they will use

122

00:07:22,490 --> 00:07:19,890

euphemisms like freedom of choice or

123

00:07:23,270 --> 00:07:22,500

pro-choice or ProHealth or things of

124

00:07:28,280 --> 00:07:23,280

this nature

125

00:07:30,170 --> 00:07:28,290

and this segment is prompted by the fact

126

00:07:32,630 --> 00:07:30,180

that I was driving down the California

127

00:07:35,810 --> 00:07:32,640

freeway just a couple of days ago and

128

00:07:39,050 --> 00:07:35,820

the news report came on about Facebook

129

00:07:43,520 --> 00:07:39,060

cracking down on anti vaccination sites

130

00:07:45,470 --> 00:07:43,530

and postings together with a interview

131

00:07:48,080 --> 00:07:45,480

with one of the people we involved in a

132

00:07:49,610 --> 00:07:48,090

recent anti vaccination movie McGann

133

00:07:51,110 --> 00:07:49,620

they probably say it was not anti

134

00:07:55,420 --> 00:07:51,120

vaccination but there you go

135

00:07:57,680 --> 00:07:55,430

and they were complaining about Facebook

136

00:08:00,800 --> 00:07:57,690

interfering with their freedom of speech

137

00:08:02,360 --> 00:08:00,810

and free speech their idea of free

138

00:08:05,320 --> 00:08:02,370

speech does come up a lot when we're

139

00:08:07,880 --> 00:08:05,330

talking about things like people

140

00:08:10,670 --> 00:08:07,890

advocating anti vaccination they've got

141

00:08:12,470 --> 00:08:10,680

every right to to say what they have to

142

00:08:13,940 --> 00:08:12,480

say they say especially under the

143

00:08:16,550 --> 00:08:13,950

American Constitution to say these

144

00:08:18,230 --> 00:08:16,560

things I mean we don't have freedom of

145

00:08:18,909 --> 00:08:18,240

speech in Australia to say any damn

146

00:08:22,149 --> 00:08:18,919

thing we

147

00:08:24,339 --> 00:08:22,159

there's libel laws for a beginning you

148

00:08:27,459 --> 00:08:24,349

can't as they say you can't yell fire in

149

00:08:29,890 --> 00:08:27,469

a crowded theater unless there's a fire

150

00:08:32,079 --> 00:08:29,900

I guess and even here in the United

151

00:08:35,350 --> 00:08:32,089

States you can't simply say anything

152

00:08:37,630 --> 00:08:35,360

you'd like and then back that up by

153

00:08:40,120 --> 00:08:37,640

saying but it's free speech but to get

154

00:08:43,269 --> 00:08:40,130

back to the original idea behind this

155

00:08:49,389 --> 00:08:43,279

particular segment we have news of

156

00:08:51,939 --> 00:08:49,399

Instagram Facebook GoFundMe all cracking

157

00:08:55,990 --> 00:08:51,949

down on anti-vaccination and I will read

158

00:09:00,220 --> 00:08:56,000

from a variety of online news sites for

159

00:09:04,240 --> 00:09:00,230

this report and we'll start over at the

160

00:09:08,019 --> 00:09:04,250

Hill website the hill com published on

161

00:09:10,689 --> 00:09:08,029

the 21st of March Instagram to block

162

00:09:13,540 --> 00:09:10,699

anti-vaccine hashtags amid

163

00:09:15,460 --> 00:09:13,550

misinformation crackdown and I'll quote

164

00:09:18,269 --> 00:09:15,470

some of the report here Instagram said

165

00:09:21,870 --> 00:09:18,279

Thursday it plans to block a slew of

166

00:09:25,120 --> 00:09:21,880

anti-vaccine hashtags amid an ongoing

167

00:09:27,310 --> 00:09:25,130

crackdown on medical misinformation on

168

00:09:30,490 --> 00:09:27,320

the platform the company which is owned

169

00:09:33,009 --> 00:09:30,500

by Facebook shared its plans after media

170

00:09:36,160 --> 00:09:33,019

outlets inquired about anti-vaccine

171

00:09:38,800 --> 00:09:36,170

misinformation continuing to be spread

172

00:09:42,160 --> 00:09:38,810

on the social media Giants platforms the

173

00:09:44,680 --> 00:09:42,170

story goes on the spokesman said the

174

00:09:45,819 --> 00:09:44,690

platform's planned quote short term

175

00:09:47,800 --> 00:09:45,829

measures end quote

176

00:09:50,470 --> 00:09:47,810

will include blocking hashtags

177

00:09:53,680 --> 00:09:50,480

associated with quote known health

178

00:09:56,460 --> 00:09:53,690

related misinformation including hashtag

179

00:10:01,420 --> 00:09:56,470

vaccines cause autism

180

00:10:04,840 --> 00:10:01,430

vaccines our poison and vaccines cause

181

00:10:07,660 --> 00:10:04,850

SIDS end quote and it goes on to say the

182

00:10:09,759 --> 00:10:07,670

recent measles outbreak in the u.s. are

183

00:10:11,590 --> 00:10:09,769

in part due to the increasing number of

184

00:10:15,100 --> 00:10:11,600

people not getting vaccinations and

185

00:10:17,980 --> 00:10:15,110

experts warn the movement largely uses

186

00:10:20,230 --> 00:10:17,990

social media to promote their views this

187

00:10:22,000 --> 00:10:20,240

is very true and this is of course a

188

00:10:25,449 --> 00:10:22,010

very important part of this story we are

189

00:10:27,780 --> 00:10:25,459

seeing around the world fresh outbreaks

190

00:10:31,180 --> 00:10:27,790

of things like measles and chickenpox

191

00:10:32,440 --> 00:10:31,190

things that should have been now

192

00:10:36,370 --> 00:10:32,450

consigned

193

00:10:39,760 --> 00:10:36,380

the annals of history and we pick up the

194

00:10:42,880 --> 00:10:39,770

story now from wired comm facebook will

195

00:10:45,130 --> 00:10:42,890

crack down on anti-vaccine content the

196

00:10:48,040 --> 00:10:45,140

story says as Clark County Washington

197

00:10:50,620 --> 00:10:48,050

combats and ongoing measles outbreak

198

00:10:52,990 --> 00:10:50,630

Facebook announced Thursday that it's

199

00:10:55,810 --> 00:10:53,000

diminishing the reach of anti vaccine

200

00:10:57,940 --> 00:10:55,820

information on its platform it will no

201
00:11:01,000 --> 00:10:57,950
longer allow it to be promoted through

202
00:11:04,060 --> 00:11:01,010
ads or recommendations and will make it

203
00:11:06,550 --> 00:11:04,070
less prominent in search results the

204
00:11:10,210 --> 00:11:06,560
social media network will not take down

205
00:11:12,250 --> 00:11:10,220
anti vaccine posts entirely however the

206
00:11:14,410 --> 00:11:12,260
company also said it was exploring ways

207
00:11:17,380 --> 00:11:14,420
to give users more context about

208
00:11:17,890 --> 00:11:17,390
vaccines from expert organizations end

209
00:11:20,280 --> 00:11:17,900
quote

210
00:11:23,590 --> 00:11:20,290
the decision was widely anticipated

211
00:11:26,620 --> 00:11:23,600
Facebook along with YouTube and Amazon

212
00:11:28,960 --> 00:11:26,630
has faced criticism from journalists and

213
00:11:31,720 --> 00:11:28,970

lawmakers in recent weeks for allowing

214

00:11:34,510 --> 00:11:31,730

vaccine information to flourish on their

215

00:11:37,060 --> 00:11:34,520

sites the story goes on Facebook will

216

00:11:39,220 --> 00:11:37,070

also reduce the ranking of pages and

217

00:11:41,920 --> 00:11:39,230

groups that spread misinformation about

218

00:11:45,430 --> 00:11:41,930

vaccines in search results and in its

219

00:11:48,160 --> 00:11:45,440

news feed in February the Guardian found

220

00:11:51,190 --> 00:11:48,170

that anti vaccination propaganda often

221

00:11:54,010 --> 00:11:51,200

ranked higher and outperformed accurate

222

00:11:57,100 --> 00:11:54,020

information from more reliable sources

223

00:11:59,500 --> 00:11:57,110

on Facebook now let's flip over to us

224

00:12:04,060 --> 00:11:59,510

today for our next segment in this

225

00:12:07,930 --> 00:12:04,070

report GoFundMe is cracking down on anti

226

00:12:09,910 --> 00:12:07,940

vaccination campaigns GoFundMe is one of

227

00:12:11,800 --> 00:12:09,920

the latest online platforms to cut off

228

00:12:12,400 --> 00:12:11,810

proponents of anti vaccine related

229

00:12:14,800 --> 00:12:12,410

content

230

00:12:17,080 --> 00:12:14,810

the online fundraising service said on

231

00:12:18,880 --> 00:12:17,090

Friday that any campaigns created on the

232

00:12:22,050 --> 00:12:18,890

website that promote quote

233

00:12:24,490 --> 00:12:22,060

misinformation and quote about vaccines

234

00:12:27,670 --> 00:12:24,500

automatically get shut down for

235

00:12:29,470 --> 00:12:27,680

violating its Terms of Service quote

236

00:12:31,570 --> 00:12:29,480

campaigns raising money to promote

237

00:12:35,140 --> 00:12:31,580

misinformation about vaccines and

238

00:12:37,480 --> 00:12:35,150

violate GoFundMe 'z Terms of Service and

239

00:12:40,660 --> 00:12:37,490

will be removed from the platform in

240

00:12:43,090 --> 00:12:40,670

quote GoFundMe said in an email to USA

241

00:12:45,250 --> 00:12:43,100

Today the story goes on to say the

242

00:12:46,000 --> 00:12:45,260

crackdown on anti vaccination content

243

00:12:48,130 --> 00:12:46,010

comes after

244

00:12:50,500 --> 00:12:48,140

other online platforms like Facebook and

245

00:12:52,990 --> 00:12:50,510

Instagram have begun to remove channels

246

00:12:55,720 --> 00:12:53,000

and posts from their websites that try

247

00:12:57,610 --> 00:12:55,730

to discredit vaccinations according to

248

00:12:58,420 --> 00:12:57,620

the Centers for Disease Control and

249

00:13:01,690 --> 00:12:58,430

Prevention

250

00:13:04,290 --> 00:13:01,700

there have been 268 cases of measles

251
00:13:08,320 --> 00:13:04,300
reported in the u.s. so far in 2019

252
00:13:13,030 --> 00:13:08,330
compared with a preliminary count of 372

253
00:13:17,520 --> 00:13:13,040
for the year 2018 through December 29 in

254
00:13:22,840 --> 00:13:17,530
2010 63 cases were reported and that

255
00:13:24,940 --> 00:13:22,850
last set of numbers speaks sadly about

256
00:13:28,390 --> 00:13:24,950
the fact that more and more parents are

257
00:13:32,650 --> 00:13:28,400
buying into this anti vaccination guff

258
00:13:36,550 --> 00:13:32,660
and it is having an impact we're the

259
00:13:37,870 --> 00:13:36,560
increase of these diseases now this

260
00:13:41,200 --> 00:13:37,880
general story has caught the attention

261
00:13:43,840 --> 00:13:41,210
of media back in Australia and I'll play

262
00:13:46,620 --> 00:13:43,850
a short clip now from a segment on the

263
00:13:49,750 --> 00:13:46,630

sunrise program on the Seven Network

264

00:13:52,210 --> 00:13:49,760

part of the segment involving this very

265

00:13:54,040 --> 00:13:52,220

question prominent anti-vaxxers are

266

00:13:56,170 --> 00:13:54,050

being banned from spreading their

267

00:13:58,270 --> 00:13:56,180

dangerous messages on facebook and

268

00:14:01,840 --> 00:13:58,280

instagram The Daily Telegraph reports

269

00:14:04,180 --> 00:14:01,850

NRL wags Taylor winter Stein and Chanel

270

00:14:07,210 --> 00:14:04,190

Cartwright have had restrictions placed

271

00:14:09,160 --> 00:14:07,220

on their accounts now last month the

272

00:14:12,850 --> 00:14:09,170

social media giant introduced measures

273

00:14:15,100 --> 00:14:12,860

to prevent this and misinform messages

274

00:14:17,320 --> 00:14:15,110

about the vaccinations being spread on

275

00:14:18,490 --> 00:14:17,330

their sites joining me now Christie Meza

276

00:14:20,800 --> 00:14:18,500

from The Thinker girls

277

00:14:23,670 --> 00:14:20,810

Melissa Fayette from news.com delay you

278

00:14:27,070 --> 00:14:23,680

and the morning shows Kylie Gillies is

279

00:14:29,500 --> 00:14:27,080

this a good move or is this preventing

280

00:14:31,720 --> 00:14:29,510

free speech Christine people go of it

281

00:14:34,420 --> 00:14:31,730

bonkers for free speech but I think we

282

00:14:38,440 --> 00:14:34,430

live in a very different age that we

283

00:14:40,630 --> 00:14:38,450

used to whereby people people these days

284

00:14:43,780 --> 00:14:40,640

are not just individuals we have like

285

00:14:45,400 --> 00:14:43,790

captive audiences thousands hundreds of

286

00:14:47,710 --> 00:14:45,410

thousands sometimes millions of people

287

00:14:49,690 --> 00:14:47,720

listening to what an individual is

288

00:14:51,730 --> 00:14:49,700

saying through the power of social media

289

00:14:53,260 --> 00:14:51,740

so I think in a way

290

00:14:55,720 --> 00:14:53,270

individuals sometimes need to be viewed

291

00:14:57,340 --> 00:14:55,730

as new services and can you as a new

292

00:14:59,200 --> 00:14:57,350

service get on board and say well I

293

00:15:01,480 --> 00:14:59,210

don't believe that you should you know

294

00:15:03,340 --> 00:15:01,490

vaccinate your kids for ABCDE reasons no

295

00:15:06,970 --> 00:15:03,350

you need to be held accountable so I

296

00:15:09,130 --> 00:15:06,980

think in a way I mean of course of

297

00:15:11,620 --> 00:15:09,140

course it's important to be able to have

298

00:15:13,480 --> 00:15:11,630

freedom of speech and speak your mind

299

00:15:15,220 --> 00:15:13,490

and have an opinion but I do think there

300

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

is a line that I think it's a bit of a

301
00:15:20,410 --> 00:15:17,450
gray area at the moment where you know

302
00:15:22,660 --> 00:15:20,420
where laws and and opinions and ideas of

303
00:15:24,910 --> 00:15:22,670
the way we kind of live our lives and

304
00:15:28,630 --> 00:15:24,920
the way society views individuals and

305
00:15:31,030 --> 00:15:28,640
you know is changing because we're not

306
00:15:32,080 --> 00:15:31,040
just individuals talking at a pub and

307
00:15:33,520 --> 00:15:32,090
you can believe whatever you want

308
00:15:35,320 --> 00:15:33,530
because that's free speech you know

309
00:15:38,080 --> 00:15:35,330
particular people have millions of

310
00:15:39,580 --> 00:15:38,090
followers that would you know say and

311
00:15:41,260 --> 00:15:39,590
agree with any single thing that they

312
00:15:42,760 --> 00:15:41,270
said which could endanger their their

313
00:15:44,320 --> 00:15:42,770

kids or their families which i think is

314

00:15:46,030 --> 00:15:44,330

important to look at we are blocking

315

00:15:49,570 --> 00:15:46,040

people from coming into the country now

316

00:15:52,510 --> 00:15:49,580

I mean the free speech you know issue so

317

00:15:54,730 --> 00:15:52,520

there we are some no-nonsense common

318

00:15:57,310 --> 00:15:54,740

sense in my view from the sunrise

319

00:16:00,910 --> 00:15:57,320

program on the Seven Network in

320

00:16:02,800 --> 00:16:00,920

Australia and finally something that

321

00:16:07,240 --> 00:16:02,810

caught my attention just a few days ago

322

00:16:09,370 --> 00:16:07,250

I was unaware of and we now flip over to

323

00:16:12,940 --> 00:16:09,380

CNN for this report

324

00:16:14,620 --> 00:16:12,950

I saw a headline on the TV news as I was

325

00:16:17,710 --> 00:16:14,630

at the gym working out on the treadmill

326

00:16:19,890 --> 00:16:17,720

looked up glanced up to a monitor and I

327

00:16:23,050 --> 00:16:19,900

saw a headline

328

00:16:26,440 --> 00:16:23,060

Kentucky governor said he exposed his

329

00:16:29,890 --> 00:16:26,450

children to chickenpox rather than

330

00:16:34,720 --> 00:16:29,900

getting vaccine Kentucky governor Matt

331

00:16:37,840 --> 00:16:34,730

Bevin says he made sure all his nine

332

00:16:41,020 --> 00:16:37,850

children were exposed to chicken pox and

333

00:16:44,380 --> 00:16:41,030

caught the disease instead of giving

334

00:16:46,570 --> 00:16:44,390

them a vaccine quote they had it as

335

00:16:48,790 --> 00:16:46,580

children they were miserable for a few

336

00:16:52,420 --> 00:16:48,800

days and they all turned out fine

337

00:16:57,160 --> 00:16:52,430

end quote Bevin said in an interview

338

00:16:59,950 --> 00:16:57,170

with wk CT a Bowling Green radio station

339

00:17:01,210 --> 00:16:59,960

the governor says he supports parents

340

00:17:04,240 --> 00:17:01,220

who choose to get their children

341

00:17:05,110 --> 00:17:04,250

vaccinated and also those who declined

342

00:17:07,360 --> 00:17:05,120

to do so

343

00:17:10,449 --> 00:17:07,370

but he said the decision shouldn't be up

344

00:17:12,760 --> 00:17:10,459

to government quote this is America main

345

00:17:14,829 --> 00:17:12,770

quote he said quote the federal

346

00:17:17,590 --> 00:17:14,839

government should not be forcing this

347

00:17:19,569 --> 00:17:17,600

upon people they just shouldn't end

348

00:17:21,610 --> 00:17:19,579

quote the story goes on to state

349

00:17:24,720 --> 00:17:21,620

chickenpox is a very contagious disease

350

00:17:28,149 --> 00:17:24,730

that causes blister-like rash itching

351
00:17:30,519 --> 00:17:28,159
tiredness and fever according to the US

352
00:17:33,190 --> 00:17:30,529
Centers for Disease Control and

353
00:17:37,060 --> 00:17:33,200
Prevention it can be spread by touching

354
00:17:38,919 --> 00:17:37,070
or breathing in virus particles and the

355
00:17:40,750 --> 00:17:38,929
story goes on I will link to all these

356
00:17:43,029 --> 00:17:40,760
stories in the show notes but let me say

357
00:17:46,600 --> 00:17:43,039
something about chickenpox which the

358
00:17:52,060 --> 00:17:46,610
good governor might have overlooked when

359
00:17:55,060 --> 00:17:52,070
deciding to infect his children that

360
00:17:58,840 --> 00:17:55,070
later in life those children can look

361
00:18:01,950 --> 00:17:58,850
forward to shingles and having had

362
00:18:06,100 --> 00:18:01,960
shingles myself a few years back I

363
00:18:09,220 --> 00:18:06,110

cannot say that I recommended I was

364

00:18:11,590 --> 00:18:09,230

lucky it was mild I caught it in time

365

00:18:15,700 --> 00:18:11,600

when I was able to take preventive

366

00:18:21,580 --> 00:18:15,710

medication it was still horrible I felt

367

00:18:25,110 --> 00:18:21,590

awful and I was very lucky because my

368

00:18:30,130 --> 00:18:25,120

particular shingles infected my face and

369

00:18:33,250 --> 00:18:30,140

the corner of my eye but people do go

370

00:18:36,850 --> 00:18:33,260

blind so there's a wrap-up of the the

371

00:18:39,070 --> 00:18:36,860

mood of many online at the moment when

372

00:18:41,549 --> 00:18:39,080

it comes to vaccines and vaccination or

373

00:18:44,440 --> 00:18:41,559

should I say to the rhetoric and

374

00:18:46,110 --> 00:18:44,450

misinformation by the anti-vaxxers I

375

00:18:50,980 --> 00:18:46,120

[Music]

376

00:18:53,789 --> 00:18:50,990

hope it does some good however this is a

377

00:18:57,730 --> 00:18:53,799

long road because the anti-vaxxer

378

00:19:01,350 --> 00:18:57,740

somewhat organized and obviously are

379

00:19:22,299 --> 00:19:18,090

[Music]

380

00:19:28,419 --> 00:19:22,309

skeptic on 2019 December the 6th to the

381

00:19:32,110 --> 00:19:28,429

8th in Melbourne the Victorian skeptics

382

00:19:34,180 --> 00:19:32,120

has released details for skeptic on 2019

383

00:19:37,090 --> 00:19:34,190

the Australian skeptics National

384

00:19:39,639 --> 00:19:37,100

Convention after two successful skeptic

385

00:19:42,940 --> 00:19:39,649

ons in Sydney this annual event is

386

00:19:45,389 --> 00:19:42,950

returning to Melbourne skeptic on 2019

387

00:19:48,610 --> 00:19:45,399

will be held close to the Melbourne CBD

388

00:19:50,740 --> 00:19:48,620

between the 6th and April December 2019

389

00:19:52,840 --> 00:19:50,750

there will be many international

390

00:19:55,990 --> 00:19:52,850

speakers and outstanding locals

391

00:19:58,090 --> 00:19:56,000

attending but this will be at heart a

392

00:19:59,919 --> 00:19:58,100

community event facilitating the

393

00:20:05,649 --> 00:19:59,929

exchange of ideas amongst those who

394

00:20:08,889 --> 00:20:05,659

value an empirical mindset the schedule

395

00:20:12,159 --> 00:20:08,899

is Thursday December 5 trivia night

396

00:20:15,460 --> 00:20:12,169

Friday December 6 welcome event in the

397

00:20:18,519 --> 00:20:15,470

evening Saturday December 7 and Sunday

398

00:20:20,470 --> 00:20:18,529

December 8 main convention with the

399

00:20:23,860 --> 00:20:20,480

convention dinner on the evening of the

400

00:20:26,540 --> 00:20:23,870

7th more details of speakers and the

401
00:20:30,360 --> 00:20:26,550
venue's will be announced soon

402
00:20:33,330 --> 00:20:30,370
[Music]

403
00:20:36,920 --> 00:20:33,340
for more information visit

404
00:20:59,639 --> 00:20:48,030
[Music]

405
00:21:12,999 --> 00:21:03,609
it's the raw skeptic report with Heidi

406
00:21:14,529 --> 00:21:13,009
Robertson hello everyone this is Heidi

407
00:21:18,310 --> 00:21:14,539
Robertson from the Northern Rivers

408
00:21:21,970 --> 00:21:18,320
vaccinations supporters last week in

409
00:21:24,039 --> 00:21:21,980
episode 5 43 Richard reported on the

410
00:21:26,139 --> 00:21:24,049
latest media coverage of Australian

411
00:21:30,310 --> 00:21:26,149
celebrity chef and former bent spoon

412
00:21:32,369 --> 00:21:30,320
Award winner Pete Evans Pete Evans or

413
00:21:35,529 --> 00:21:32,379

paleo Pete as we know him is a

414

00:21:40,029 --> 00:21:35,539

self-described anti fluoride and his

415

00:21:43,960 --> 00:21:40,039

sunscreen anti dairy chef he has no

416

00:21:46,060 --> 00:21:43,970

medical qualifications and last week as

417

00:21:48,749 --> 00:21:46,070

Richard covered saw him link to a

418

00:21:51,669 --> 00:21:48,759

podcast promoting an anti vaccination

419

00:21:54,450 --> 00:21:51,679

agenda Pete has not rested on his

420

00:21:57,310 --> 00:21:54,460

laurels after that bit of media coverage

421

00:21:59,259 --> 00:21:57,320

this week he has asked his Facebook

422

00:22:02,350 --> 00:21:59,269

followers to read an article he linked

423

00:22:05,739 --> 00:22:02,360

to titled the dangers of 5g to

424

00:22:09,999 --> 00:22:05,749

children's health the article is on a

425

00:22:11,889 --> 00:22:10,009

website run by Robert F Kennedy Jr who

426

00:22:15,430 --> 00:22:11,899

is somewhat of a hero in the

427

00:22:17,940 --> 00:22:15,440

anti-vaccination movement you may recall

428

00:22:20,169 --> 00:22:17,950

early on in Donald Trump's presidency

429

00:22:22,509 --> 00:22:20,179

Kennedy claimed that he had met with

430

00:22:26,169 --> 00:22:22,519

Trump and that Trump had asked him to

431

00:22:28,810 --> 00:22:26,179

lead a vaccine safety commission this

432

00:22:31,659 --> 00:22:28,820

news was widely celebrated in the

433

00:22:35,080 --> 00:22:31,669

anti-vaccination groups worldwide but

434

00:22:38,200 --> 00:22:35,090

came to nothing so just to give you a

435

00:22:41,019 --> 00:22:38,210

brief overview of what Kennedy's website

436

00:22:43,539 --> 00:22:41,029

is about the website paleo Pete shared

437

00:22:45,820 --> 00:22:43,549

with his 1.5 million followers and the

438

00:22:48,129 --> 00:22:45,830

link to that website that has now been

439

00:22:51,279 --> 00:22:48,139

shared close to 1,200 times from Pete's

440

00:22:54,879 --> 00:22:51,289

Facebook page one section of the website

441

00:22:58,119 --> 00:22:54,889

is labeled exposing causes known

442

00:23:01,419 --> 00:22:58,129

culprits and a sample of topics listed

443

00:23:02,289 --> 00:23:01,429

underneath are paracetamol flame

444

00:23:06,659 --> 00:23:02,299

retardants

445

00:23:11,829 --> 00:23:06,669

flouride food additives glyphosate

446

00:23:14,499 --> 00:23:11,839

ultrasound and of course vaccines also

447

00:23:16,839 --> 00:23:14,509

in there is the topic of electromagnetic

448

00:23:19,539 --> 00:23:16,849

fields and wireless technologies and

449

00:23:21,669 --> 00:23:19,549

we'll get to that in one moment the

450

00:23:24,209 --> 00:23:21,679

website also has an online bookstore

451
00:23:27,639 --> 00:23:24,219
selling predominantly anti-vaccination

452
00:23:31,239 --> 00:23:27,649
publications now if you're thinking

453
00:23:34,509 --> 00:23:31,249
let's just ignore paleo Pete I'm not

454
00:23:36,579 --> 00:23:34,519
sure that that is the best answer many

455
00:23:39,369 --> 00:23:36,589
people are following him and sharing his

456
00:23:42,219 --> 00:23:39,379
posts and he's using his platform to

457
00:23:44,499 --> 00:23:42,229
share his personal beliefs some of which

458
00:23:48,219 --> 00:23:44,509
unfortunately do not survive the litmus

459
00:23:52,119 --> 00:23:48,229
test for accuracy or legitimacy and have

460
00:23:55,239 --> 00:23:52,129
the potential to cause harm all comments

461
00:23:57,609 --> 00:23:55,249
underneath this particular posts as with

462
00:23:59,849 --> 00:23:57,619
all his posts are in support of his

463
00:24:03,209 --> 00:23:59,859

views and he has left many

464

00:24:05,739 --> 00:24:03,219

anti-vaccination comments still visible

465

00:24:07,959 --> 00:24:05,749

I'm just one of the people permanently

466

00:24:10,690 --> 00:24:07,969

blocked from his page I think there are

467

00:24:12,399 --> 00:24:10,700

hundreds of us after attempting to bring

468

00:24:19,060 --> 00:24:12,409

some polite reason to the topics

469

00:24:21,639 --> 00:24:19,070

discussed so this particular 5g article

470

00:24:24,279 --> 00:24:21,649

he said what's wrong with it well it

471

00:24:25,899 --> 00:24:24,289

appears to me as a layperson to be a

472

00:24:28,989 --> 00:24:25,909

pretty good example of an article

473

00:24:31,690 --> 00:24:28,999

illustrating many red flags that

474

00:24:34,089 --> 00:24:31,700

skeptics are aware of I want to

475

00:24:36,369 --> 00:24:34,099

emphasize first that I'm in no way shape

476
00:24:40,299 --> 00:24:36,379
or form an expert in the safety of

477
00:24:43,209 --> 00:24:40,309
wireless technologies and as with most

478
00:24:45,699 --> 00:24:43,219
topics that I am NOT an expert in and

479
00:24:48,099 --> 00:24:45,709
that's most topics I defer to the

480
00:24:50,440 --> 00:24:48,109
experts in the field and the current

481
00:24:53,889 --> 00:24:50,450
scientific consensus to see what they

482
00:24:55,869 --> 00:24:53,899
have to say going to legitimate sources

483
00:24:57,879 --> 00:24:55,879
of information is the only way for

484
00:25:01,029 --> 00:24:57,889
someone like me to try and discern good

485
00:25:03,099 --> 00:25:01,039
science from bad the thing I'm most

486
00:25:05,349 --> 00:25:03,109
appreciative of in being part of the

487
00:25:08,979 --> 00:25:05,359
skeptical community is the ability to

488
00:25:12,810 --> 00:25:08,989

now be able to most of the time spot red

489

00:25:15,030 --> 00:25:12,820

flags in news articles TV shows blogs

490

00:25:17,700 --> 00:25:15,040

social media posts and

491

00:25:20,790 --> 00:25:17,710

on that indicate that what I'm reading

492

00:25:24,690 --> 00:25:20,800

or hearing may not be a legitimate or

493

00:25:27,450 --> 00:25:24,700

trustworthy source as listeners well

494

00:25:31,080 --> 00:25:27,460

know one of those red flags is the use

495

00:25:34,140 --> 00:25:31,090

of hyperbolic inflammatory language when

496

00:25:35,760 --> 00:25:34,150

describing the given topic you'll

497

00:25:38,040 --> 00:25:35,770

generally not see this type of language

498

00:25:39,870 --> 00:25:38,050

in a reputable publication or news

499

00:25:43,290 --> 00:25:39,880

source that is reporting on the science

500

00:25:45,360 --> 00:25:43,300

behind something however many anti

501
00:25:47,490 --> 00:25:45,370
science groups will purposely use this

502
00:25:50,340 --> 00:25:47,500
language to instill fear in the reader

503
00:25:52,530 --> 00:25:50,350
or viewer as they are very well aware

504
00:25:56,690 --> 00:25:52,540
that once a person has been frightened

505
00:25:58,890 --> 00:25:56,700
it is very difficult to unfried in them

506
00:26:02,280 --> 00:25:58,900
another tactic they use is

507
00:26:04,950 --> 00:26:02,290
cherry-picking of the evidence or using

508
00:26:06,870 --> 00:26:04,960
weak or non replicated studies whilst

509
00:26:09,680 --> 00:26:06,880
ignoring other more well-designed

510
00:26:13,050 --> 00:26:09,690
studies that do not show what they want

511
00:26:17,250 --> 00:26:13,060
they are big fans of anecdotes which are

512
00:26:19,320 --> 00:26:17,260
also very powerful influences now at the

513
00:26:23,340 --> 00:26:19,330

Northern Rivers vaccination supporters

514

00:26:25,500 --> 00:26:23,350

we will also sometimes use anecdotes the

515

00:26:27,930 --> 00:26:25,510

difference is that our anecdotes

516

00:26:30,240 --> 00:26:27,940

highlight or support the overwhelming

517

00:26:34,220 --> 00:26:30,250

evidence that is already out there on

518

00:26:36,870 --> 00:26:34,230

the safety and efficacy of vaccination

519

00:26:39,960 --> 00:26:36,880

anti science people or organizations

520

00:26:42,690 --> 00:26:39,970

will also take a quote or a fact and

521

00:26:45,180 --> 00:26:42,700

place it out of contexts or even edit it

522

00:26:48,000 --> 00:26:45,190

in order to make it fit with their

523

00:26:49,890 --> 00:26:48,010

preconceived narrative they make up

524

00:26:52,710 --> 00:26:49,900

their minds prior to writing their

525

00:26:55,680 --> 00:26:52,720

articles and they find any information

526

00:26:57,240 --> 00:26:55,690

they can retrofit that will support

527

00:26:58,880 --> 00:26:57,250

their position

528

00:27:01,560 --> 00:26:58,890

[Applause]

529

00:27:03,510 --> 00:27:01,570

yet another tactic is stating that

530

00:27:06,690 --> 00:27:03,520

because scientists cannot prove zero

531

00:27:08,789 --> 00:27:06,700

risk then there must be an unacceptable

532

00:27:12,150 --> 00:27:08,799

risk that we should all be concerned

533

00:27:15,360 --> 00:27:12,160

about I couldn't for the life of me

534

00:27:17,880 --> 00:27:15,370

remember what this logical fallacy was

535

00:27:21,440 --> 00:27:17,890

called so I turned to my skeptic friends

536

00:27:26,130 --> 00:27:21,450

and thanks to many of you but first

537

00:27:28,770 --> 00:27:26,140

buttons who who explained it were Harry

538

00:27:30,990 --> 00:27:28,780

and Phil from Brisbane skeptics for

539

00:27:34,070 --> 00:27:31,000

reminding me that this is also known as

540

00:27:36,510 --> 00:27:34,080

the Nirvana fallacy

541

00:27:38,789 --> 00:27:36,520

there's also common for these websites

542

00:27:41,000 --> 00:27:38,799

to be selling something and in this case

543

00:27:46,530 --> 00:27:41,010

as I mentioned there is an online store

544

00:27:48,120 --> 00:27:46,540

full of anti-vaccination books I'm

545

00:27:51,060 --> 00:27:48,130

certainly not going to read out the

546

00:27:53,640 --> 00:27:51,070

article in full that Pete linked to if

547

00:27:57,450 --> 00:27:53,650

you'd like to read it it is easily found

548

00:28:00,450 --> 00:27:57,460

on the googles however I'll give you an

549

00:28:04,370 --> 00:28:00,460

example of the shall we say for Lowry

550

00:28:07,130 --> 00:28:04,380

language used in the article quite

551
00:28:12,270 --> 00:28:07,140
unprecedented forms of mandatory

552
00:28:14,900 --> 00:28:12,280
irradiation 5g frenzy catastrophic

553
00:28:18,419 --> 00:28:14,910
health effects next great unknown

554
00:28:20,820 --> 00:28:18,429
experiment on our children millions of

555
00:28:24,539 --> 00:28:20,830
small cell towers every 500 feet on

556
00:28:27,900 --> 00:28:24,549
every street corner 5g technology will

557
00:28:32,850 --> 00:28:27,910
blast through walls and cribs nowhere to

558
00:28:36,480 --> 00:28:32,860
hide terror existential threat rush to

559
00:28:40,830 --> 00:28:36,490
blanket the planet with 5g experiment on

560
00:28:42,960 --> 00:28:40,840
humanity end quote and so on so what

561
00:28:47,640 --> 00:28:42,970
does the science have to say on the

562
00:28:51,659 --> 00:28:47,650
subject of 5g do paleo Pete and Robert F

563
00:28:53,610 --> 00:28:51,669

Kennedy jr. have a point Steven novella

564

00:28:56,340 --> 00:28:53,620

clinical neurologist and well-known

565

00:28:59,070 --> 00:28:56,350

skeptic and host of the podcast skeptics

566

00:29:01,169 --> 00:28:59,080

guide to the universe wrote a very

567

00:29:05,940 --> 00:29:01,179

measured article on science-based

568

00:29:07,680 --> 00:29:05,950

medicine on the 13th of March 2019 his

569

00:29:10,640 --> 00:29:07,690

blog was in response to a petition

570

00:29:13,030 --> 00:29:10,650

signed by 250 scientists

571

00:29:15,740 --> 00:29:13,040

recently and sent to the World Health

572

00:29:19,220 --> 00:29:15,750

Organization warning about wireless

573

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

technology and I quote from dr. novellas

574

00:29:25,420 --> 00:29:22,850

blog we can never prove zero risk and

575

00:29:28,160 --> 00:29:25,430

technology is always evolving

576

00:29:30,080 --> 00:29:28,170

therefore it is reasonable to call for

577

00:29:33,830 --> 00:29:30,090

more research as we further adopt

578

00:29:36,500 --> 00:29:33,840

wireless technology he goes on to say I

579

00:29:38,390 --> 00:29:36,510

think the best recommendation for right

580

00:29:41,180 --> 00:29:38,400

now is that while there is probably

581

00:29:43,220 --> 00:29:41,190

little to no risk if you want to make

582

00:29:46,430 --> 00:29:43,230

sure you are minimizing possible risk

583

00:29:48,860 --> 00:29:46,440

then use Wired earbuds for electronic

584

00:29:51,410 --> 00:29:48,870

devices rather than putting them up to

585

00:29:54,680 --> 00:29:51,420

your ear we are living in an

586

00:29:56,890 --> 00:29:54,690

increasingly wireless society and the

587

00:29:59,930 --> 00:29:56,900

change is happening relatively quickly

588

00:30:02,840 --> 00:29:59,940

we therefore do need to monitor for

589

00:30:05,810 --> 00:30:02,850

potential health effects and continue to

590

00:30:07,780 --> 00:30:05,820

do proper research but so far the

591

00:30:10,960 --> 00:30:07,790

apparent risk from non ionizing

592

00:30:13,550 --> 00:30:10,970

radiation from radio frequency devices

593

00:30:16,460 --> 00:30:13,560

appears to be little to none which is

594

00:30:18,860 --> 00:30:16,470

reassuring premature warnings that

595

00:30:21,650 --> 00:30:18,870

distort the current scientific consensus

596

00:30:24,200 --> 00:30:21,660

are not helpful they tend to cause

597

00:30:26,030 --> 00:30:24,210

unwarranted fear which leads to

598

00:30:29,770 --> 00:30:26,040

counterproductive laws restricting

599

00:30:32,690 --> 00:30:29,780

useful technology and unfair lawsuits

600

00:30:34,430 --> 00:30:32,700

even for an organization dedicated to

601
00:30:37,370 --> 00:30:34,440
assessing the risk of radiofrequency

602
00:30:39,950 --> 00:30:37,380
technology it is advisable not to

603
00:30:42,650 --> 00:30:39,960
overstate the science lest you lose

604
00:30:45,580 --> 00:30:42,660
credibility and may actually hurt the

605
00:30:48,110 --> 00:30:45,590
cause you are fighting for end quote

606
00:30:49,700 --> 00:30:48,120
surgical oncologist and another of the

607
00:30:53,680 --> 00:30:49,710
writers for the science-based medicine

608
00:30:57,590 --> 00:30:53,690
blog David Gorski explains it as follows

609
00:31:00,380 --> 00:30:57,600
quote we do know from science that

610
00:31:02,780 --> 00:31:00,390
vaccines do not cause autism and that

611
00:31:05,060 --> 00:31:02,790
cell phone radiation not only does not

612
00:31:08,120 --> 00:31:05,070
cause the health effects attributed to

613
00:31:10,670 --> 00:31:08,130

it but almost certainly cannot cause

614

00:31:14,150 --> 00:31:10,680

those health effects because the energy

615

00:31:18,590 --> 00:31:14,160

carried by radio waves is too low to do

616

00:31:21,260 --> 00:31:18,600

what is claimed it's basic physics for

617

00:31:23,660 --> 00:31:21,270

instance I like to say that although a

618

00:31:24,230 --> 00:31:23,670

link between cell phone radiation and

619

00:31:27,650 --> 00:31:24,240

cancer

620

00:31:30,740 --> 00:31:27,660

is not homeopathy level implausible it

621

00:31:33,380 --> 00:31:30,750

is incredibly implausible because most

622

00:31:36,740 --> 00:31:33,390

of the mechanisms of carcinogenesis we

623

00:31:38,930 --> 00:31:36,750

know involve as an inciting event the

624

00:31:42,200 --> 00:31:38,940

breaking of chemical bonds in DNA to

625

00:31:44,480 --> 00:31:42,210

cause mutations and even the mechanisms

626
00:31:46,940 --> 00:31:44,490
we're coming to understand that might

627
00:31:49,940 --> 00:31:46,950
require chemical bond breakage as an

628
00:31:53,240 --> 00:31:49,950
inciting event are incredibly unlikely

629
00:31:54,820 --> 00:31:53,250
to be impacted by such low energy waves

630
00:31:57,770 --> 00:31:54,830
end quote

631
00:32:01,310 --> 00:31:57,780
Rodney Croft director of the Australian

632
00:32:04,580 --> 00:32:01,320
Centre of electromagnetic bio effects

633
00:32:07,700 --> 00:32:04,590
research was interviewed by the ABC here

634
00:32:11,600 --> 00:32:07,710
in Australia last year about 5g and I'll

635
00:32:14,360 --> 00:32:11,610
quote a fraction of that article quote

636
00:32:18,340 --> 00:32:14,370
despite research showing no link between

637
00:32:20,360 --> 00:32:18,350
safe levels of radiofrequency and cancer

638
00:32:22,880 --> 00:32:20,370

telecommunications companies and other

639

00:32:26,000 --> 00:32:22,890

organisations do offer suggestions if

640

00:32:27,980 --> 00:32:26,010

you want to reduce exposure the

641

00:32:31,460 --> 00:32:27,990

Australian radiation protection and

642

00:32:33,920 --> 00:32:31,470

Nuclear Safety Agency also recommends

643

00:32:36,770 --> 00:32:33,930

using hands-free or texting instead of

644

00:32:38,930 --> 00:32:36,780

calling quote but none of those things

645

00:32:42,590 --> 00:32:38,940

are actually based on any health effects

646

00:32:45,440 --> 00:32:42,600

and quote professor Croft said he goes

647

00:32:47,780 --> 00:32:45,450

on to say quote then there are companies

648

00:32:51,740 --> 00:32:47,790

that make devices that claim to block

649

00:32:54,520 --> 00:32:51,750

harmful mobile radiation but of course

650

00:32:58,940 --> 00:32:54,530

if it's cancelling radiofrequency out

651
00:33:02,600 --> 00:32:58,950
then your phone can't work the article

652
00:33:04,370 --> 00:33:02,610
then says so does radiofrequency have

653
00:33:06,800 --> 00:33:04,380
any effect on human tissue

654
00:33:10,100 --> 00:33:06,810
apart from heating it a fraction of a

655
00:33:12,830 --> 00:33:10,110
degree that question is still open

656
00:33:16,160 --> 00:33:12,840
professor would set and sight note

657
00:33:20,570 --> 00:33:16,170
professor wood is a biophysicist at

658
00:33:22,790 --> 00:33:20,580
Swinburne University of Technology quote

659
00:33:25,610 --> 00:33:22,800
even though some of the evidence that

660
00:33:27,830 --> 00:33:25,620
radiofrequency causes damage on the face

661
00:33:31,310 --> 00:33:27,840
of it looks quite compelling there's

662
00:33:33,560 --> 00:33:31,320
still a question of consistency some

663
00:33:36,290 --> 00:33:33,570

laboratories seem to get quite dramatic

664

00:33:38,040 --> 00:33:36,300

effects and then others try to replicate

665

00:33:41,520 --> 00:33:38,050

the work and are unable to

666

00:33:43,650 --> 00:33:41,530

and quote other researchers suggest that

667

00:33:46,230 --> 00:33:43,660

health risks associated with mobile

668

00:33:48,270 --> 00:33:46,240

phones may be indirect such as the

669

00:33:50,550 --> 00:33:48,280

sharply increased incident rate of

670

00:33:54,150 --> 00:33:50,560

traffic accidents caused by telephoning

671

00:33:55,860 --> 00:33:54,160

during driving and possibly also by

672

00:33:58,800 --> 00:33:55,870

stress reactions which annoyed

673

00:34:03,390 --> 00:33:58,810

bystanders may experience when cellular

674

00:34:06,150 --> 00:34:03,400

phones are used in public places what is

675

00:34:10,410 --> 00:34:06,160

certain professor would said is that

676

00:34:12,840 --> 00:34:10,420

radio frequency is a lifesaver quote

677

00:34:15,090 --> 00:34:12,850

while I don't think radio frequency

678

00:34:17,820 --> 00:34:15,100

emerges with a completely clean bill of

679

00:34:20,850 --> 00:34:17,830

health it emerges with a pretty good

680

00:34:21,810 --> 00:34:20,860

bill of health the fact is that it saves

681

00:34:24,180 --> 00:34:21,820

lives

682

00:34:28,290 --> 00:34:24,190

think of search and rescue and emergency

683

00:34:33,419 --> 00:34:28,300

situations the benefits far outweigh the

684

00:34:36,180 --> 00:34:33,429

risks end quote so I hope that paleo

685

00:34:38,160 --> 00:34:36,190

Pete's followers do use a bit of

686

00:34:40,790 --> 00:34:38,170

critical thinking when reading articles

687

00:34:42,870 --> 00:34:40,800

such as this that he is linking to I

688

00:34:45,020 --> 00:34:42,880

would have commented with the above

689

00:34:49,790 --> 00:34:45,030

points on his Facebook page but unless

690

00:34:52,919 --> 00:34:49,800

I've been blocked for a few years now so

691

00:34:55,620 --> 00:34:52,929

that's it from me for now thank you for

692

00:34:58,500 --> 00:34:55,630

listening this has been Heidi Robertson

693

00:35:00,720 --> 00:34:58,510

from the Northern Rivers vaccination

694

00:35:04,440 --> 00:35:00,730

supporters you can find us on Facebook

695

00:35:06,329 --> 00:35:04,450

or Twitter at in our backs that's vix

696

00:35:09,960 --> 00:35:06,339

supporters

697

00:35:13,710 --> 00:35:09,970

or swing by our Facebook page or our

698

00:35:19,760 --> 00:35:13,720

website and our BS info and get in touch

699

00:35:39,240 --> 00:35:34,280

[Music]

700

00:35:41,130 --> 00:35:39,250

yes hey Sam have you ever wondered what

701
00:35:43,020 --> 00:35:41,140
skeptics are up to in countries where

702
00:35:45,150 --> 00:35:43,030
English is not necessarily the first

703
00:35:46,890 --> 00:35:45,160
language or are you interested to learn

704
00:35:49,320 --> 00:35:46,900
about some fascinating and sometimes

705
00:35:51,540 --> 00:35:49,330
very bizarre Europe related facts events

706
00:35:53,250 --> 00:35:51,550
or people from history of skepticism or

707
00:35:55,920 --> 00:35:53,260
you just want to know who's been really

708
00:35:58,770 --> 00:35:55,930
wrong lately you can find out all about

709
00:36:03,360 --> 00:35:58,780
that and more on the award-winning show

710
00:36:05,460 --> 00:36:03,370
the ESP the European sceptics podcast so

711
00:36:09,150 --> 00:36:05,470
where can people find the show you can

712
00:36:11,340 --> 00:36:09,160
find it online at the ESP dot EU but you

713
00:36:14,070 --> 00:36:11,350

can also follow us on Twitter at es

714

00:36:16,440 --> 00:36:14,080

podcast and d'ascoyne you or like us on

715

00:36:19,410 --> 00:36:16,450

Facebook oh and you can contact the show

716

00:36:21,690 --> 00:36:19,420

by sending an email to info at the ESP

717

00:36:23,820 --> 00:36:21,700

dot EU if you want to subscribe do a

718

00:36:27,060 --> 00:36:23,830

quick search for the European skeptics

719

00:36:29,820 --> 00:36:27,070

podcast on soundcloud iTunes stitcher or

720

00:36:33,660 --> 00:36:29,830

wherever you get your podcast the

721

00:36:36,270 --> 00:36:33,670

European skeptics podcast the real ESP

722

00:36:38,950 --> 00:36:36,280

experience

723

00:36:41,070 --> 00:36:38,960

[Music]

724

00:37:01,260 --> 00:36:41,080

crazy

725

00:37:03,810 --> 00:37:01,270

I don't know how you can believe now we

726

00:37:06,870 --> 00:37:03,820

continue our series of reviews

727

00:37:08,430 --> 00:37:06,880

interviews items from the skeptic

728

00:37:11,250 --> 00:37:08,440

magazine the journal from Australian

729

00:37:19,220 --> 00:37:11,260

skeptics we turn to volume 35 number

730

00:37:22,820 --> 00:37:19,230

four from December 2015 on page 14 an

731

00:37:28,050 --> 00:37:22,830

article by Tim Mendham readers

732

00:37:31,230 --> 00:37:28,060

indigestible Tim Mendham looks at those

733

00:37:32,150 --> 00:37:31,240

other publications where skepticism is a

734

00:37:35,850 --> 00:37:32,160

dirty word

735

00:37:38,700 --> 00:37:35,860

sometimes this issue we look at two more

736

00:37:41,940 --> 00:37:38,710

examples of the wonderful world of the

737

00:37:44,610 --> 00:37:41,950

paranormal one is an extreme example of

738

00:37:47,220 --> 00:37:44,620

niceness with lashings of all things new

739

00:37:50,400 --> 00:37:47,230

age that will give you a sugar rush of

740

00:37:51,230 --> 00:37:50,410

epic proportions the other is more

741

00:38:00,060 --> 00:37:51,240

down-to-earth

742

00:38:05,280 --> 00:38:00,070

literally read on and Tim Mendham

743

00:38:07,260 --> 00:38:05,290

reviews a publication and a website the

744

00:38:13,020 --> 00:38:07,270

first review is for a magazine called

745

00:38:15,660 --> 00:38:13,030

soul and spirit and the accompanying

746

00:38:18,180 --> 00:38:15,670

picture which is a cover of one of the

747

00:38:19,550 --> 00:38:18,190

issues of soul and spirit from October

748

00:38:23,300 --> 00:38:19,560

2015

749

00:38:26,310 --> 00:38:23,310

your October horoscopes by Russell grant

750

00:38:28,190 --> 00:38:26,320

master your psychic energy the number

751
00:38:33,710 --> 00:38:28,200
one way to connect with the universe

752
00:38:36,270 --> 00:38:33,720
learn to read tea leaves tonight astro

753
00:38:40,890 --> 00:38:36,280
aromatherapy discovered the soul

754
00:38:43,800 --> 00:38:40,900
boosting essences for your star sign how

755
00:38:48,300 --> 00:38:43,810
to stop feeling guilty 7 stick to its

756
00:38:50,550 --> 00:38:48,310
secrets coach your self-confident other

757
00:38:53,220 --> 00:38:50,560
self love shake ups will supercharge

758
00:38:54,240 --> 00:38:53,230
your happiness fix your relationships

759
00:39:02,390 --> 00:38:54,250
and

760
00:39:04,500 --> 00:39:02,400
trusted experts listed is Sally Morgan

761
00:39:07,500 --> 00:39:04,510
for those of you who don't know she

762
00:39:10,710 --> 00:39:07,510
claims to speak with dead people soul

763
00:39:13,110 --> 00:39:10,720

and spirit if ever a magazine was made

764

00:39:15,180 --> 00:39:13,120

of fairy floss for those international

765

00:39:17,310 --> 00:39:15,190

listeners fairy floss is the Australian

766

00:39:17,820 --> 00:39:17,320

equivalent of candy floss or cotton

767

00:39:22,400 --> 00:39:17,830

candy

768

00:39:25,740 --> 00:39:22,410

then soul and spirit it it does 95 is it

769

00:39:29,040 --> 00:39:25,750

from its pink cover to its saccharine

770

00:39:33,060 --> 00:39:29,050

sweet messages it is as insubstantial as

771

00:39:35,760 --> 00:39:33,070

spun sugar you realize that while it

772

00:39:39,960 --> 00:39:35,770

might be tasty as soon as you touch it

773

00:39:42,540 --> 00:39:39,970

it disappears into its own niceness a UK

774

00:39:45,540 --> 00:39:42,550

magazine it covers a broad range of

775

00:39:49,170 --> 00:39:45,550

new-age topics piled up on one another

776

00:39:52,170 --> 00:39:49,180

one article alone shows you how to Ghana

777

00:39:54,200 --> 00:39:52,180

quote the wisdom of the cosmos end quote

778

00:39:57,570 --> 00:39:54,210

through a combination of herbalism

779

00:39:59,460 --> 00:39:57,580

aromatherapy and astrology it's useful

780

00:40:02,550 --> 00:39:59,470

to know by the way that essential oils

781

00:40:05,550 --> 00:40:02,560

are quote extracted from nature in quote

782

00:40:08,250 --> 00:40:05,560

then again sour lamb chops and hemlock

783

00:40:11,700 --> 00:40:08,260

but they're probably not on the soul and

784

00:40:15,780 --> 00:40:11,710

spirit menu apart from the astro herbal

785

00:40:17,550 --> 00:40:15,790

aromas the magazine contains quite a few

786

00:40:19,740 --> 00:40:17,560

sections devoted to questions from

787

00:40:22,590 --> 00:40:19,750

readers with answers from various

788

00:40:25,920 --> 00:40:22,600

psychics angel channelers tarot readers

789

00:40:29,670 --> 00:40:25,930

dream interpreters and general spiritual

790

00:40:31,890 --> 00:40:29,680

gurus the questions all anonymous so you

791

00:40:35,310 --> 00:40:31,900

don't know if they're real or not

792

00:40:39,630 --> 00:40:35,320

covers such issues as quote please help

793

00:40:43,320 --> 00:40:39,640

me to hear my angels or will my single

794

00:40:46,790 --> 00:40:43,330

spill ever be broken or is my husband

795

00:40:50,790 --> 00:40:46,800

happy in spirit man quote the agony ants

796

00:40:53,820 --> 00:40:50,800

The Magazine refers to some by name give

797

00:40:56,940 --> 00:40:53,830

advice such as for the woman who lost

798

00:41:00,240 --> 00:40:56,950

her husband quote I see him chuckling

799

00:41:03,660 --> 00:41:00,250

sweetly as he tells me what a great job

800

00:41:05,560 --> 00:41:03,670

you are doing in carrying on he says

801
00:41:08,260 --> 00:41:05,570
that you will be happy and they

802
00:41:10,360 --> 00:41:08,270
you should smile and laugh more I can

803
00:41:14,020 --> 00:41:10,370
feel that all his favorite memories are

804
00:41:15,910 --> 00:41:14,030
of you two having fun in quote no

805
00:41:18,780 --> 00:41:15,920
mention of the loot buried under the

806
00:41:21,220 --> 00:41:18,790
floorboards then but seriously if the

807
00:41:24,550 --> 00:41:21,230
correspondence is real this is

808
00:41:28,000 --> 00:41:24,560
patronizing but potentially dangerous in

809
00:41:30,910 --> 00:41:28,010
its inanity its pop psychology would be

810
00:41:33,820 --> 00:41:30,920
enough to make any skeptic angry if you

811
00:41:36,730 --> 00:41:33,830
didn't realize that quote anger is not

812
00:41:39,240 --> 00:41:36,740
physical it's part of our mind and for

813
00:41:43,000 --> 00:41:39,250

the Buddhists our mind is not physical

814

00:41:45,910 --> 00:41:43,010

it exists by depending on the brain the

815

00:41:49,540 --> 00:41:45,920

genes the chemical reactions but it is

816

00:41:50,880 --> 00:41:49,550

not these things in quote vacuous at

817

00:41:54,850 --> 00:41:50,890

best

818

00:41:57,400 --> 00:41:54,860

beyond the Q&A sessions soul and spirit

819

00:42:00,610 --> 00:41:57,410

has articles covering many different

820

00:42:04,180 --> 00:42:00,620

spiritual exercises and regimens that

821

00:42:07,660 --> 00:42:04,190

you can use to keep in touch with your

822

00:42:10,600 --> 00:42:07,670

spiritual side your other being you're

823

00:42:15,220 --> 00:42:10,610

frustrated love life realign your aura

824

00:42:17,980 --> 00:42:15,230

shift your shape or shift your shape or

825

00:42:20,500 --> 00:42:17,990

even keep in touch with pets both those

826

00:42:25,410 --> 00:42:20,510

that are alive and those who have gone

827

00:42:29,920 --> 00:42:25,420

beyond to spirit seriously Derek Acorah

828

00:42:33,730 --> 00:42:29,930

quote reads the energy of two pets via

829

00:42:36,940 --> 00:42:33,740

photos and taps into the spirit of a

830

00:42:39,310 --> 00:42:36,950

kitty from the other side in quote a

831

00:42:42,010 --> 00:42:39,320

problem with these articles is that they

832

00:42:45,070 --> 00:42:42,020

present a plethora of complimentary at

833

00:42:48,160 --> 00:42:45,080

best or contradictory at worst

834

00:42:50,320 --> 00:42:48,170

techniques for the sad confused reader

835

00:42:53,440 --> 00:42:50,330

to follow no one would have the time

836

00:42:56,380 --> 00:42:53,450

money or spiritual energy to follow all

837

00:42:58,720 --> 00:42:56,390

of them so you would no doubt be worried

838

00:43:00,850 --> 00:42:58,730

that you had missed the one true

839

00:43:03,610 --> 00:43:00,860

technique that would give your spirits

840

00:43:06,460 --> 00:43:03,620

their much-needed lift there is the

841

00:43:08,380 --> 00:43:06,470

occasional bright light one story looks

842

00:43:12,100 --> 00:43:08,390

at an interesting description of the

843

00:43:15,940 --> 00:43:12,110

beauty of Snowdonia to quickly descend

844

00:43:19,359 --> 00:43:15,950

into ghosts and lake monsters so who is

845

00:43:22,809 --> 00:43:19,369

this publication for well based on the

846

00:43:26,140 --> 00:43:22,819

imaginary and editorial content it seems

847

00:43:28,329 --> 00:43:26,150

its target audience is women front and

848

00:43:30,640 --> 00:43:28,339

center pure and simple

849

00:43:34,390 --> 00:43:30,650

not even thinking about the sickly

850

00:43:36,640 --> 00:43:34,400

barbie-ish pink color scheme that can be

851
00:43:39,130 --> 00:43:36,650
found throughout the illustrations and

852
00:43:42,069 --> 00:43:39,140
photography used almost exclusively of

853
00:43:44,499 --> 00:43:42,079
women apart from the male psychics who

854
00:43:46,890 --> 00:43:44,509
answer questions themselves in a decided

855
00:43:51,039 --> 00:43:46,900
minority there are no photos of men

856
00:43:55,870 --> 00:43:51,049
instead as visual mentoring there are

857
00:43:58,089 --> 00:43:55,880
any many glamorous shots mainly library

858
00:44:01,989 --> 00:43:58,099
photos of women in various poses and

859
00:44:05,349 --> 00:44:01,999
locations the makeup pages are obviously

860
00:44:06,400 --> 00:44:05,359
for women as are the quote freebies and

861
00:44:09,160 --> 00:44:06,410
offers end quote

862
00:44:11,799 --> 00:44:09,170
with more makeup and jewelry and the

863
00:44:14,589 --> 00:44:11,809

astrology pages featuring illustrations

864

00:44:17,529 --> 00:44:14,599

of women for each star sign that are

865

00:44:20,249 --> 00:44:17,539

more sensual than spiritual sort of

866

00:44:23,680 --> 00:44:20,259

Disney Princesses for grownups or

867

00:44:26,470 --> 00:44:23,690

pubescent boys what a poor stereotype of

868

00:44:30,460 --> 00:44:26,480

women at presents but surely does not

869

00:44:33,579 --> 00:44:30,470

represent endless inane secondly vague

870

00:44:35,680 --> 00:44:33,589

niceness confirmatory rubbish and

871

00:44:37,470 --> 00:44:35,690

absolutely no is passionate view of

872

00:44:40,599 --> 00:44:37,480

anything to do with the New Age at all

873

00:44:43,120 --> 00:44:40,609

all rubbish is welcome and all rubbish

874

00:44:46,329 --> 00:44:43,130

is published but it's been going for

875

00:44:50,440 --> 00:44:46,339

over 90 monthly issues so there must be

876

00:44:52,390 --> 00:44:50,450

something for someone and there is the

877

00:44:55,499 --> 00:44:52,400

issue of soul and spirit under review

878

00:44:58,059 --> 00:44:55,509

included a free guardian angel bookmark

879

00:45:01,329 --> 00:44:58,069

but like everything else in soul and

880

00:45:09,309 --> 00:45:01,339

spirit it's lightweight and tinny

881

00:45:11,710 --> 00:45:09,319

how appropriate next up for review is

882

00:45:15,190 --> 00:45:11,720

flat earthers which is quite appropriate

883

00:45:17,319 --> 00:45:15,200

now some years after this is published

884

00:45:19,900 --> 00:45:17,329

these reviews have been published given

885

00:45:21,880 --> 00:45:19,910

the rise of the flat earth movement and

886

00:45:25,299 --> 00:45:21,890

wonder where it's moving to flat

887

00:45:27,370 --> 00:45:25,309

earthers in the paranormal world there

888

00:45:29,570 --> 00:45:27,380

have always been some claims and

889

00:45:32,810 --> 00:45:29,580

claimants that have been

890

00:45:35,180 --> 00:45:32,820

now shall we put it weird we're not

891

00:45:39,050 --> 00:45:35,190

talking about unsubstantiated here like

892

00:45:41,660 --> 00:45:39,060

homeopathy or dubious such as Nessie no

893

00:45:44,870 --> 00:45:41,670

we're talking about those organizations

894

00:45:48,110 --> 00:45:44,880

that are so far out there that they are

895

00:45:52,040 --> 00:45:48,120

fun and you wonder if those who run the

896

00:45:56,000 --> 00:45:52,050

organizations are equally having fun are

897

00:45:57,080 --> 00:45:56,010

they joking or are they serious so it is

898

00:46:00,050 --> 00:45:57,090

with the flat-earthers

899

00:46:03,620 --> 00:46:00,060

first of all we have to say that they

900

00:46:07,700 --> 00:46:03,630

exist and they walk among us we know we

901
00:46:10,790 --> 00:46:07,710
have proof they have websites prime

902
00:46:16,490 --> 00:46:10,800
among them of course is the Flat Earth

903
00:46:20,840 --> 00:46:16,500
Society WWD Flat Earth Society org this

904
00:46:23,960 --> 00:46:20,850
group has its mission quote to promote

905
00:46:26,270 --> 00:46:23,970
and initiate discussion of Flat Earth

906
00:46:29,420 --> 00:46:26,280
theory as well as archive Flat Earth

907
00:46:32,690 --> 00:46:29,430
literature our forums act as a venue to

908
00:46:36,260 --> 00:46:32,700
encourage free thinking and debate when

909
00:46:40,280 --> 00:46:36,270
quote the site readily points out in its

910
00:46:42,800 --> 00:46:40,290
fa Q's that quote this site is not a

911
00:46:46,610 --> 00:46:42,810
joke we are actively promoting the Flat

912
00:46:49,100 --> 00:46:46,620
Earth movement worldwide ok there are

913
00:46:52,010 --> 00:46:49,110

admittedly several non serious Flat

914

00:46:56,300 --> 00:46:52,020

Earth posters but they are fairly easy

915

00:46:59,720 --> 00:46:56,310

to identify main quote and as an aside I

916

00:47:02,380 --> 00:46:59,730

would remind listeners if they can to

917

00:47:05,150 --> 00:47:02,390

view the documentary beyond the curve

918

00:47:08,000 --> 00:47:05,160

currently on Netflix we go back to the

919

00:47:11,570 --> 00:47:08,010

article as nicely elaborated in the

920

00:47:13,580 --> 00:47:11,580

history section of the site quote Flat

921

00:47:16,070 --> 00:47:13,590

Earth Society dates back to the early

922

00:47:18,650 --> 00:47:16,080

1800s when it was founded by Samuel

923

00:47:21,920 --> 00:47:18,660

Baily Rowbotham an English inventor

924

00:47:25,160 --> 00:47:21,930

Rowbotham Flat Earth views were based

925

00:47:28,760 --> 00:47:25,170

largely on literal interpretation of

926
00:47:32,540 --> 00:47:28,770
Bible passages his system called setec

927
00:47:35,140 --> 00:47:32,550
astronomy held that the earth is a flat

928
00:47:38,840 --> 00:47:35,150
disk centered at the North Pole and

929
00:47:41,809 --> 00:47:38,850
bounded along its southern edge by a

930
00:47:44,689 --> 00:47:41,819
wall of ice with the Sun

931
00:47:47,449 --> 00:47:44,699
oonh planets and stars only a few

932
00:47:52,120 --> 00:47:47,459
hundred miles above the surface of the

933
00:47:55,759 --> 00:47:52,130
earth after Rowbotham death in 1884

934
00:47:59,299 --> 00:47:55,769
followers of his setec astronomy founded

935
00:48:02,390 --> 00:47:59,309
the universal setec society and quote

936
00:48:05,569 --> 00:48:02,400
the Flat Earth theory developed further

937
00:48:08,509 --> 00:48:05,579
in the US but gradually faded in popular

938
00:48:10,969 --> 00:48:08,519

interest salvation was on the way via

939

00:48:13,549 --> 00:48:10,979

Samuel Shenton a fellow of the Royal

940

00:48:15,859 --> 00:48:13,559

Astronomical Society and the Royal

941

00:48:19,449 --> 00:48:15,869

Geographic Society who founded the

942

00:48:22,009 --> 00:48:19,459

International Flat Earth Society in 1956

943

00:48:25,069 --> 00:48:22,019

also referred to as the International

944

00:48:28,370 --> 00:48:25,079

Flat Earth Research Society Shenton died

945

00:48:30,680 --> 00:48:28,380

in 1971 and his successor Charles

946

00:48:33,259 --> 00:48:30,690

Johnson quote actively and charismatic

947

00:48:38,620 --> 00:48:33,269

Allah promoted the society when quote

948

00:48:41,989 --> 00:48:38,630

its membership increased to over 3000

949

00:48:44,959 --> 00:48:41,999

unfortunately in 1995 Johnson's home was

950

00:48:47,359 --> 00:48:44,969

destroyed in a fire along with all the

951
00:48:50,390 --> 00:48:47,369
Society's libraries archive and

952
00:48:53,539 --> 00:48:50,400
membership lists he vowed to rebuild the

953
00:48:56,809 --> 00:48:53,549
society but died in 2001 leaving the

954
00:48:59,989 --> 00:48:56,819
Society's future uncertain but do not

955
00:49:01,569 --> 00:48:59,999
fear the society was resurrected in 2004

956
00:49:05,539 --> 00:49:01,579
and remains active today

957
00:49:08,509 --> 00:49:05,549
in 2009 it officially reopened to new

958
00:49:11,390 --> 00:49:08,519
members the website is professionally

959
00:49:14,150 --> 00:49:11,400
designed with a great gallery of maps

960
00:49:17,269 --> 00:49:14,160
illustrations and an extensive

961
00:49:20,479 --> 00:49:17,279
collection of sentence lecture posters a

962
00:49:23,029 --> 00:49:20,489
must read if only for cultural reasons

963
00:49:25,219 --> 00:49:23,039

copies of pamphlets and articles as well

964

00:49:28,189 --> 00:49:25,229

as a wiki with lots of links to articles

965

00:49:28,819 --> 00:49:28,199

and videos that promote the Society's

966

00:49:31,489 --> 00:49:28,829

views

967

00:49:35,870 --> 00:49:31,499

sadly the Society's last newsletter

968

00:49:39,559 --> 00:49:35,880

seems to have been in 1994 although it

969

00:49:42,660 --> 00:49:39,569

did feature the headline quote Australia

970

00:49:45,330 --> 00:49:42,670

not down under and quote

971

00:49:47,880 --> 00:49:45,340

well worth a read at least until the Sun

972

00:49:54,690 --> 00:49:47,890

rises over the wall of ice at the edge

973

00:49:59,250 --> 00:49:54,700

of the earth and that was a couple of

974

00:50:01,650 --> 00:49:59,260

reviews of a magazine and a website and

975

00:50:06,270 --> 00:50:01,660

you can read that for yourself in the

976
00:50:07,560 --> 00:50:06,280
skeptical magazine volume 35 number for

977
00:50:12,690 --> 00:50:07,570
December 2015

978
00:50:22,230 --> 00:50:12,700
freely available at WWF dicks calm got a

979
00:50:22,240 --> 00:50:31,589
[Music]

980
00:50:35,950 --> 00:50:33,969
thank you for listening to the skeptic

981
00:50:39,069 --> 00:50:35,960
zone and thank you to those skeptics our

982
00:50:41,859 --> 00:50:39,079
listeners who went along to see DJ may

983
00:50:44,979 --> 00:50:41,869
not may not our reporter man Maynard

984
00:50:47,890 --> 00:50:44,989
doing his Maynard's Love Shack DJ

985
00:50:49,779 --> 00:50:47,900
session in Sydney it was such a success

986
00:50:52,209 --> 00:50:49,789
I hear there's going to be another one

987
00:50:54,279 --> 00:50:52,219
soon and when I get those details I'll

988
00:50:56,200 --> 00:50:54,289

let you know thank you to those

989

00:50:58,359 --> 00:50:56,210

listeners who support Maynard and myself

990

00:51:01,299 --> 00:50:58,369

here at the skeptic zone via patreon or

991

00:51:04,959 --> 00:51:01,309

PayPal and you can support the skeptic

992

00:51:08,200 --> 00:51:04,969

zone anyway at skeptic zone TV just

993

00:51:10,769 --> 00:51:08,210

click the patreon link coming up in the

994

00:51:12,910 --> 00:51:10,779

next few shows I hope to bring you some

995

00:51:15,160 --> 00:51:12,920

interviews from the National Center for

996

00:51:16,749 --> 00:51:15,170

Science education which is not far from

997

00:51:20,289 --> 00:51:16,759

where I am right now

998

00:51:22,359 --> 00:51:20,299

over in Oakland I also hope to score an

999

00:51:24,370 --> 00:51:22,369

interview with that dr. eugenie Scott

1000

00:51:27,729 --> 00:51:24,380

always a pleasure to spend time with dr.

1001
00:51:30,999 --> 00:51:27,739
eugenie Scott and before I go just

1002
00:51:34,239 --> 00:51:31,009
another note about while recording the

1003
00:51:36,009 --> 00:51:34,249
podcast on the go as it were I'm not in

1004
00:51:38,079 --> 00:51:36,019
the studio I haven't got the range of

1005
00:51:41,200 --> 00:51:38,089
microphones I normally used some sort of

1006
00:51:43,299 --> 00:51:41,210
fur but roughing it that's not the right

1007
00:51:45,910 --> 00:51:43,309
term that's why when you listen to the

1008
00:51:48,749 --> 00:51:45,920
skeptical zone at the moment yeah you can

1009
00:51:51,549 --> 00:51:48,759
probably detect a slight variation in

1010
00:51:54,069 --> 00:51:51,559
recording quality some segments sound a

1011
00:51:55,749 --> 00:51:54,079
bit different to others but believe it

1012
00:51:58,420 --> 00:51:55,759
or not even though I'm recording from a

1013
00:52:00,219 --> 00:51:58,430

basement at the moment there are still

1014

00:52:02,019 --> 00:52:00,229

planes flying overhead I think they

1015

00:52:04,660 --> 00:52:02,029

follow me all the way from the sceptic

1016

00:52:06,370 --> 00:52:04,670

zone studios in Sydney and that is a

1017

00:52:08,170 --> 00:52:06,380

little bit under the flight path while

1018

00:52:12,539 --> 00:52:08,180

I'm not under the flight path here but

1019

00:52:15,729 --> 00:52:12,549

still somehow well maybe it's paranormal

1020

00:52:18,579 --> 00:52:15,739

hmm I think I'll ponder that until next

1021

00:52:20,559 --> 00:52:18,589

week but for this week this is Richard

1022

00:52:26,200 --> 00:52:20,569

Saunders signing off from the San

1023

00:52:31,630 --> 00:52:28,700

you've been listening to the skeptic

1024

00:52:38,300 --> 00:52:31,640

zone podcast please visit our website at

1025

00:52:41,800 --> 00:52:38,310

wwlp.com tax and to access the bat

1026
00:52:44,480 --> 00:52:41,810
catalog of episodes going back to 2008

1027
00:52:47,780 --> 00:52:44,490
you can follow the skeptic zone podcast

1028
00:52:50,060 --> 00:52:47,790
on twitter at skeptic zone visit our

1029
00:52:53,420 --> 00:52:50,070
facebook page or leave a review on

1030
00:52:56,780 --> 00:52:53,430
itunes you can also support the skeptic

1031
00:52:59,150 --> 00:52:56,790
zone via patreon or PayPal the skeptic

1032
00:53:01,100 --> 00:52:59,160
zone podcast is an independent

1033
00:53:03,290 --> 00:53:01,110
production reviews and opinions

1034
00:53:05,450 --> 00:53:03,300
expressed on the skeptic zone are not

1035
00:53:08,370 --> 00:53:05,460
necessarily those of Australian skeptics

1036
00:53:18,819 --> 00:53:08,380
or any other skeptical organisation

1037
00:53:23,029 --> 00:53:22,069
so does radiofrequency have any effect

1038
00:53:29,029 --> 00:53:23,039

on human tissue

1039

00:53:32,329 --> 00:53:29,039

apart from hate so you would no doubt be

1040

00:53:34,699 --> 00:53:32,339

worried that you had missed the one true