



Episode 645

THE SKEPTIC ZONE PODCAST

www.skepticzone.com

21 February 2021



Pete Evans Banned
(Again!)

Logical Fallacies
with Michelle Bijkersma
"Argument from Gibberish"

Australian Skeptics and
Facebook Censorship

The Book of Tim
with Tim Mendham

A look into Trove
Psychic Test 1950
Into the Unknown Part #8



1
00:00:08,390 --> 00:00:06,550

[Music]

2
00:00:11,190 --> 00:00:08,400

welcome to the skeptic zone

3
00:00:16,840 --> 00:00:11,200

the podcast from australia for science

4
00:00:23,590 --> 00:00:16,850

and reason

5
00:00:25,429 --> 00:00:23,600

[Music]

6
00:00:27,390 --> 00:00:25,439

yes it's the skeptic's own podcast

7
00:00:30,109 --> 00:00:27,400

episode number

8
00:00:33,190 --> 00:00:30,119

645 for the 21st of february

9
00:00:34,470 --> 00:00:33,200

2021 richard saunders coming to you from

10
00:00:36,150 --> 00:00:34,480

sydney australia

11
00:00:38,709 --> 00:00:36,160

the skeptics are in the podcast that

12
00:00:41,750 --> 00:00:38,719

asked the big question

13
00:00:43,830 --> 00:00:41,760

do cockatoos like vegemite no there are

14

00:00:44,950 --> 00:00:43,840

some more questions we need to ask

15

00:00:46,630 --> 00:00:44,960

actually

16

00:00:49,430 --> 00:00:46,640

coming up on this week's show we're

17

00:00:51,670 --> 00:00:49,440

going to begin with a report of

18

00:00:53,270 --> 00:00:51,680

former celebrity chef who we've

19

00:00:56,549 --> 00:00:53,280

mentioned many times on the show before

20

00:00:59,750 --> 00:00:56,559

and conspiracy theorist pete evans

21

00:01:00,709 --> 00:00:59,760

band again this time he's been banned

22

00:01:03,830 --> 00:01:00,719

from

23

00:01:05,750 --> 00:01:03,840

instagram which is a bit of a pity for

24

00:01:06,950 --> 00:01:05,760

poor old pete because he's also

25

00:01:10,789 --> 00:01:06,960

announced a run

26

00:01:13,350 --> 00:01:10,799

for the senate and in fact what's not

27

00:01:15,429 --> 00:01:13,360

mentioned in the report coming up is

28

00:01:16,870 --> 00:01:15,439

just yesterday pete evans appeared

29

00:01:20,870 --> 00:01:16,880

before a crowd of

30

00:01:24,390 --> 00:01:20,880

anti-vaxxers in sydney in a

31

00:01:26,950 --> 00:01:24,400

a bit of a rambling address to the

32

00:01:28,789 --> 00:01:26,960

to the crowd said he was going to be

33

00:01:30,230 --> 00:01:28,799

running for the senate

34

00:01:33,350 --> 00:01:30,240

and there were crowds of people in

35

00:01:36,550 --> 00:01:33,360

sydney and brisbane and melbourne

36

00:01:39,030 --> 00:01:36,560

it seems to me anti-vaxxers and

37

00:01:39,670 --> 00:01:39,040

in melbourne sadly that resulted in

38

00:01:43,350 --> 00:01:39,680

violence

39

00:01:44,710 --> 00:01:43,360

and arrests yes the anti-vaxxers aren't

40

00:01:45,670 --> 00:01:44,720

going away and they're sort of still

41

00:01:50,069 --> 00:01:45,680

intertwined

42

00:01:52,230 --> 00:01:50,079

somewhat with the anti-5g protesters

43

00:01:53,510 --> 00:01:52,240

anyway we can hear about pete evans at

44

00:01:55,510 --> 00:01:53,520

the top of the show

45

00:01:57,030 --> 00:01:55,520

following that it's logical fallacies

46

00:01:58,870 --> 00:01:57,040

with michelle bickersmart this week

47

00:02:02,870 --> 00:01:58,880

michelle looks at the argument from

48

00:02:05,910 --> 00:02:02,880

gibberish i've been accused of

49

00:02:08,070 --> 00:02:05,920

that on occasion and this

50

00:02:09,830 --> 00:02:08,080

my friends this is the last of the

51
00:02:10,790 --> 00:02:09,840
logical fallacies from michelle

52
00:02:14,150 --> 00:02:10,800
bickersma

53
00:02:16,470 --> 00:02:14,160
at least for now this represents 40.

54
00:02:18,070 --> 00:02:16,480
it's the 40th logical fallacies from

55
00:02:21,110 --> 00:02:18,080
michelle bickersma

56
00:02:22,710 --> 00:02:21,120
which she has presented over the course

57
00:02:24,869 --> 00:02:22,720
of the last year

58
00:02:26,630 --> 00:02:24,879
about this time last year i was

59
00:02:28,309 --> 00:02:26,640
announcing to you all that we have a new

60
00:02:29,830 --> 00:02:28,319
reporter with a new segment michelle

61
00:02:31,030 --> 00:02:29,840
because my will be doing logical

62
00:02:34,550 --> 00:02:31,040
fallacies

63
00:02:35,350 --> 00:02:34,560

congratulations michelle a spectacular

64

00:02:36,790 --> 00:02:35,360

effort

65

00:02:39,350 --> 00:02:36,800

but don't think you're getting off the

66

00:02:40,869 --> 00:02:39,360

hook michelle i certainly hope there'll

67

00:02:43,430 --> 00:02:40,879

be more from you to come

68

00:02:44,070 --> 00:02:43,440

in the year ahead after that we look at

69

00:02:47,509 --> 00:02:44,080

the

70

00:02:49,990 --> 00:02:47,519

with facebook

71

00:02:51,270 --> 00:02:50,000

concerning facebook where many of you

72

00:02:54,470 --> 00:02:51,280

know facebook

73

00:02:58,229 --> 00:02:54,480

uh censored news and information sites

74

00:03:01,030 --> 00:02:58,239

from its australian

75

00:03:02,070 --> 00:03:01,040

customers which are we customers users i

76

00:03:05,990 --> 00:03:02,080

guess is the best term

77

00:03:08,149 --> 00:03:06,000

to use and while i don't pretend to know

78

00:03:09,990 --> 00:03:08,159

all the ins and outs of the political

79

00:03:11,509 --> 00:03:10,000

argument or the copyright argument or

80

00:03:13,670 --> 00:03:11,519

things like that

81

00:03:15,990 --> 00:03:13,680

it was not a good thing in my opinion

82

00:03:18,949 --> 00:03:16,000

for facebook to do this at all

83

00:03:19,350 --> 00:03:18,959

and i'll outline my reasons with a few

84

00:03:22,390 --> 00:03:19,360

uh

85

00:03:24,149 --> 00:03:22,400

quotes from other sources coming up

86

00:03:25,910 --> 00:03:24,159

later on in the show including the fact

87

00:03:27,910 --> 00:03:25,920

that the australian skeptics were

88

00:03:32,470 --> 00:03:27,920

negatively impacted

89

00:03:34,789 --> 00:03:32,480

by facebook's um shenanigans after that

90

00:03:36,229 --> 00:03:34,799

it's the book of tim with tim mendom

91

00:03:39,990 --> 00:03:36,239

this week part two

92

00:03:43,390 --> 00:03:40,000

of his series looking into phrenology

93

00:03:47,750 --> 00:03:43,400

and phrenology along with

94

00:03:51,430 --> 00:03:47,760

biorhythms and a few more a few others

95

00:03:55,030 --> 00:03:51,440

are the rare example of crackpot ideas

96

00:03:57,270 --> 00:03:55,040

that uh have gone largely disappeared

97

00:03:58,309 --> 00:03:57,280

and it takes a lot for a crackpot idea

98

00:04:01,429 --> 00:03:58,319

to be

99

00:04:02,229 --> 00:04:01,439

forgotten by the new age crowd after

100

00:04:05,429 --> 00:04:02,239

that

101

00:04:07,990 --> 00:04:05,439

it's part eight of our look into

102

00:04:09,670 --> 00:04:08,000

the psychic and paranormal testing from

103

00:04:12,949 --> 00:04:09,680

the 1950s

104

00:04:16,629 --> 00:04:12,959

into the unknown in our trove

105

00:04:19,270 --> 00:04:16,639

segment where we hear the summing up

106

00:04:20,390 --> 00:04:19,280

the beginning of the summing up from the

107

00:04:23,590 --> 00:04:20,400

panel

108

00:04:25,430 --> 00:04:23,600

over 70 years ago stay tuned at the end

109

00:04:27,830 --> 00:04:25,440

of the episode for more announcements

110

00:04:29,830 --> 00:04:27,840

from me but now it's time for me to put

111

00:04:32,230 --> 00:04:29,840

on my big fluffy white dressing gown

112

00:04:34,390 --> 00:04:32,240

run downstairs have a cup of coffee

113

00:04:46,100 --> 00:04:34,400

while i'm doing that i hope you enjoy

114

00:04:53,990 --> 00:04:52,469

[Music]

115

00:04:55,510 --> 00:04:54,000

let's bring you up to date with some

116

00:04:58,870 --> 00:04:55,520

news about pete evans the

117

00:05:00,870 --> 00:04:58,880

former celebrity former chef

118

00:05:01,909 --> 00:05:00,880

i guess he still is a celebrity sort of

119

00:05:05,270 --> 00:05:01,919

still well known

120

00:05:07,189 --> 00:05:05,280

but as the months go by he's becoming

121

00:05:09,270 --> 00:05:07,199

more and more and more a someone from

122

00:05:11,909 --> 00:05:09,280

the past whatever happened to

123

00:05:13,430 --> 00:05:11,919

well whatever happened to pete evans the

124

00:05:16,390 --> 00:05:13,440

former celebrity tv

125

00:05:17,990 --> 00:05:16,400

chef the conspiracy theorist et cetera

126

00:05:21,189 --> 00:05:18,000

et cetera et cetera

127

00:05:25,510 --> 00:05:21,199

as reported at sbs news

128

00:05:27,029 --> 00:05:25,520

at sbs.com pete evans instagram account

129

00:05:29,189 --> 00:05:27,039

has been shut down for spreading

130

00:05:31,670 --> 00:05:29,199

coronavirus misinformation

131

00:05:33,830 --> 00:05:31,680

evans has repeatedly shared debunked

132

00:05:35,590 --> 00:05:33,840

claims about covert 19 and vaccines

133

00:05:38,150 --> 00:05:35,600

during the pandemic

134

00:05:39,909 --> 00:05:38,160

and the article goes on to say in part

135

00:05:42,230 --> 00:05:39,919

controversial celebrity chef and

136

00:05:44,790 --> 00:05:42,240

conspiracy theorist pete evans

137

00:05:46,790 --> 00:05:44,800

has been permanently booted off

138

00:05:47,670 --> 00:05:46,800

instagram for sharing misinformation

139

00:05:50,550 --> 00:05:47,680

about

140

00:05:52,070 --> 00:05:50,560

the coronavirus and vaccines facebook

141

00:05:54,390 --> 00:05:52,080

which owns instagram

142

00:05:55,430 --> 00:05:54,400

confirmed it deleted evan's account on

143

00:05:57,830 --> 00:05:55,440

wednesday

144

00:05:59,029 --> 00:05:57,840

this account had hundreds of thousands

145

00:06:01,990 --> 00:05:59,039

of followers

146

00:06:04,390 --> 00:06:02,000

quote we removed pete evans account for

147

00:06:06,550 --> 00:06:04,400

repeatedly sharing debunked claims about

148

00:06:08,790 --> 00:06:06,560

the coronavirus or vaccines end quote

149

00:06:10,950 --> 00:06:08,800

the company said in a statement

150

00:06:13,189 --> 00:06:10,960

quote we don't allow anyone to share

151
00:06:15,110 --> 00:06:13,199
misinformation about covert 19

152
00:06:17,749 --> 00:06:15,120
that could lead to imminent physical

153
00:06:19,110 --> 00:06:17,759
harm or about covert 19 vaccines that

154
00:06:21,350 --> 00:06:19,120
have been debunked by

155
00:06:22,629 --> 00:06:21,360
public health experts end quote evan's

156
00:06:24,950 --> 00:06:22,639
facebook page

157
00:06:26,550 --> 00:06:24,960
was removed in december but he continued

158
00:06:29,189 --> 00:06:26,560
to share misinformation

159
00:06:31,670 --> 00:06:29,199
through instagram false claims that the

160
00:06:34,550 --> 00:06:31,680
company says won't be tolerated

161
00:06:36,469 --> 00:06:34,560
include that covert 19 is man-made that

162
00:06:39,350 --> 00:06:36,479
it's safer to get the disease

163
00:06:40,070 --> 00:06:39,360

than the vaccine and that vaccines are

164

00:06:43,430 --> 00:06:40,080

toxic

165

00:06:45,749 --> 00:06:43,440

dangerous or cause autism goes on to say

166

00:06:47,350 --> 00:06:45,759

pete evans company was fined more than

167

00:06:49,110 --> 00:06:47,360

twenty five thousand dollars by the

168

00:06:49,749 --> 00:06:49,120

therapeutic goods administration in

169

00:06:51,990 --> 00:06:49,759

april

170

00:06:53,270 --> 00:06:52,000

after he promoted a device called a

171

00:06:56,390 --> 00:06:53,280

biocharger

172

00:06:57,350 --> 00:06:56,400

on a facebook live stream claiming it

173

00:07:00,550 --> 00:06:57,360

could be used

174

00:07:03,990 --> 00:07:00,560

in relation to the coronavirus

175

00:07:07,990 --> 00:07:04,000

evans announced last week he would run

176
00:07:12,150 --> 00:07:08,000
for federal parliament and that

177
00:07:14,469 --> 00:07:12,160
leads us to the next part of this report

178
00:07:15,350 --> 00:07:14,479
and we click the link on that page it

179
00:07:18,950 --> 00:07:15,360
brings us

180
00:07:21,589 --> 00:07:18,960
to another page here at sbs on the feed

181
00:07:23,830 --> 00:07:21,599
dangerous publicity stunt expert slams

182
00:07:27,189 --> 00:07:23,840
pete evans run for senate

183
00:07:27,749 --> 00:07:27,199
and this is by eden gillespie conspiracy

184
00:07:31,029 --> 00:07:27,759
theory

185
00:07:33,029 --> 00:07:31,039
expert dr kaz ross has labelled pete

186
00:07:33,430 --> 00:07:33,039
evans run for the new south wales senate

187
00:07:35,510 --> 00:07:33,440
as

188
00:07:37,430 --> 00:07:35,520

quote publicity stunt with dangerous

189

00:07:39,990 --> 00:07:37,440

implications end quote

190

00:07:42,230 --> 00:07:40,000

the great australian party led by ex-one

191

00:07:44,070 --> 00:07:42,240

nation senator rod cullerton

192

00:07:45,589 --> 00:07:44,080

announced on friday that the former

193

00:07:49,270 --> 00:07:45,599

celebrity chef

194

00:07:50,950 --> 00:07:49,280

would be its first federal candidate

195

00:07:53,830 --> 00:07:50,960

evans has repeatedly promoted

196

00:07:56,469 --> 00:07:53,840

anti-vaccination views on social media

197

00:07:57,749 --> 00:07:56,479

last november evans book publisher and

198

00:08:00,469 --> 00:07:57,759

various other commercial

199

00:08:02,309 --> 00:08:00,479

partners cut ties with the chef after he

200

00:08:06,150 --> 00:08:02,319

shared a cartoon featuring

201
00:08:09,749 --> 00:08:08,309
and i have here a copy of the press

202
00:08:12,950 --> 00:08:09,759
release from

203
00:08:15,589 --> 00:08:12,960
the great australian party

204
00:08:17,510 --> 00:08:15,599
media release great australian party

205
00:08:18,230 --> 00:08:17,520
first senate candidate for the federal

206
00:08:21,670 --> 00:08:18,240
election

207
00:08:23,830 --> 00:08:21,680
announced today 12th of february 2021

208
00:08:24,790 --> 00:08:23,840
rod carlton great australian party

209
00:08:26,790 --> 00:08:24,800
leader

210
00:08:29,589 --> 00:08:26,800
proudly announced the party's first

211
00:08:31,749 --> 00:08:29,599
federal senate candidate today

212
00:08:32,870 --> 00:08:31,759
quote renowned australian chef

213
00:08:35,190 --> 00:08:32,880

restaurateur

214

00:08:38,070 --> 00:08:35,200

author and television presenter pete

215

00:08:39,509 --> 00:08:38,080

evans has been approved to run as a new

216

00:08:40,949 --> 00:08:39,519

south wales senate candidate for the

217

00:08:43,350 --> 00:08:40,959

great australian party

218

00:08:45,750 --> 00:08:43,360

in the forthcoming federal election pete

219

00:08:48,550 --> 00:08:45,760

evans has maintained his principles and

220

00:08:49,829 --> 00:08:48,560

inspired others to face an uncommon

221

00:08:52,949 --> 00:08:49,839

adversary

222

00:08:56,230 --> 00:08:52,959

pete is fully supportive of the gap

223

00:08:57,350 --> 00:08:56,240

ethos supporting restoration of the

224

00:08:59,430 --> 00:08:57,360

commonwealth

225

00:09:00,180 --> 00:08:59,440

and the preservation of democracy in

226
00:09:01,509 --> 00:09:00,190
australia

227
00:09:04,070 --> 00:09:01,519
[Music]

228
00:09:04,870 --> 00:09:04,080
throughout his engagement with the gaps

229
00:09:07,430 --> 00:09:04,880
national

230
00:09:09,350 --> 00:09:07,440
selection committee pete presented an

231
00:09:11,350 --> 00:09:09,360
unwavering commitment to advancing the

232
00:09:14,230 --> 00:09:11,360
freedoms for all australians

233
00:09:15,570 --> 00:09:14,240
as a result he has been resoundingly

234
00:09:17,030 --> 00:09:15,580
approved

235
00:09:19,110 --> 00:09:17,040
[Music]

236
00:09:20,150 --> 00:09:19,120
pete evans has consistently demonstrated

237
00:09:23,430 --> 00:09:20,160
courage

238
00:09:25,990 --> 00:09:23,440

right in exposing matters of public

239

00:09:28,070 --> 00:09:26,000

information and interest provoking much

240

00:09:31,829 --> 00:09:28,080

needed debate

241

00:09:35,110 --> 00:09:31,839

despite the personal cost to himself

242

00:09:36,790 --> 00:09:35,120

no i believe pete evans will effectively

243

00:09:39,509 --> 00:09:36,800

and diligently

244

00:09:40,310 --> 00:09:39,519

represent the gap's growing membership

245

00:09:43,670 --> 00:09:40,320

base

246

00:09:45,829 --> 00:09:43,680

and all new south wales constituents

247

00:09:48,230 --> 00:09:45,839

pete possesses the essential attributes

248

00:09:51,030 --> 00:09:48,240

required to challenge the status quo

249

00:09:53,670 --> 00:09:51,040

and restore the rule of law as defined

250

00:09:55,030 --> 00:09:53,680

in our constitution

251
00:09:57,269 --> 00:09:55,040
it gives me great pleasure to

252
00:09:59,670 --> 00:09:57,279
congratulate pete evans and welcome him

253
00:10:02,829 --> 00:09:59,680
on board as gap's first federal

254
00:10:06,389 --> 00:10:02,839
candidate for the new south wales

255
00:10:09,910 --> 00:10:09,509
i would like to say oh how crazy this is

256
00:10:12,870 --> 00:10:09,920
just

257
00:10:14,710 --> 00:10:12,880
um nonsense and yes a publicity stunt

258
00:10:16,829 --> 00:10:14,720
but we once thought that about donald

259
00:10:19,750 --> 00:10:16,839
trump

260
00:10:32,710 --> 00:10:19,760
hmm i'll try to keep you informed as the

261
00:10:34,949 --> 00:10:32,720
months go by

262
00:10:36,150 --> 00:10:34,959
i'm mick west in my podcast tales from

263
00:10:37,590 --> 00:10:36,160

the rabbit hole i have extended

264

00:10:39,509 --> 00:10:37,600

conversations with people who've been

265

00:10:40,949 --> 00:10:39,519

involved in conspiracy culture

266

00:10:42,389 --> 00:10:40,959

i do this for a couple of reasons

267

00:10:43,990 --> 00:10:42,399

firstly because it's really interesting

268

00:10:45,670 --> 00:10:44,000

these people have great stories about

269

00:10:45,990 --> 00:10:45,680

how they fell down the conspiracy theory

270

00:10:47,750 --> 00:10:46,000

rabbit

271

00:10:49,110 --> 00:10:47,760

hole what they did down there and what

272

00:10:50,470 --> 00:10:49,120

it was that helped them out

273

00:10:52,150 --> 00:10:50,480

sometimes i also talk to people who

274

00:10:53,670 --> 00:10:52,160

investigate conspiracy theories and they

275

00:10:54,630 --> 00:10:53,680

have equally fascinating stories from

276

00:10:56,550 --> 00:10:54,640

the other side

277

00:10:57,990 --> 00:10:56,560

secondly i want to understand how best

278

00:10:59,590 --> 00:10:58,000

to prevent the spread of conspiracy

279

00:11:01,110 --> 00:10:59,600

theories and misinformation which is an

280

00:11:03,190 --> 00:11:01,120

increasing problem in a time when

281

00:11:04,550 --> 00:11:03,200

alternative media is exploding

282

00:11:06,310 --> 00:11:04,560

the best way to do this is to

283

00:11:07,030 --> 00:11:06,320

communicate effectively with the people

284

00:11:08,870 --> 00:11:07,040

involved

285

00:11:10,630 --> 00:11:08,880

and the best way to do that is with a

286

00:11:13,920 --> 00:11:10,640

nice long chat

287

00:11:26,829 --> 00:11:13,930

check it out tales from the rabbit hole

288

00:11:42,340 --> 00:11:26,839

[Music]

289

00:11:45,829 --> 00:11:42,350

logical fallacies

290

00:11:48,630 --> 00:11:45,839

[Music]

291

00:11:50,470 --> 00:11:48,640

what are logical fallacies and why is it

292

00:11:53,110 --> 00:11:50,480

important that critical thinkers should

293

00:11:55,430 --> 00:11:53,120

know about them

294

00:11:57,030 --> 00:11:55,440

a logical fallacy is an error we can

295

00:11:59,030 --> 00:11:57,040

make in reasoning

296

00:12:03,430 --> 00:11:59,040

but it usually crops up when we are

297

00:12:07,829 --> 00:12:05,509

some people might even knowingly use

298

00:12:08,710 --> 00:12:07,839

them to try and score cheap points in an

299

00:12:11,990 --> 00:12:08,720

argument

300

00:12:14,550 --> 00:12:12,000

due to intellectual laziness

301

00:12:16,389 --> 00:12:14,560

they are traps we can fall into but if

302

00:12:18,470 --> 00:12:16,399

we know what to look out for

303

00:12:22,870 --> 00:12:18,480

we can spot them when they occur and

304

00:12:27,590 --> 00:12:25,750

this time we'll look at argument from

305

00:12:29,910 --> 00:12:27,600

gibberish

306

00:12:31,910 --> 00:12:29,920

this occurs when a person makes a claim

307

00:12:33,910 --> 00:12:31,920

that something is true

308

00:12:35,990 --> 00:12:33,920

then supports that claim with an

309

00:12:37,910 --> 00:12:36,000

explanation that includes highly

310

00:12:41,190 --> 00:12:37,920

technical jargon from a field that

311

00:12:43,269 --> 00:12:41,200

is difficult to comprehend it also

312

00:12:46,550 --> 00:12:43,279

occurs when a claim is based on

313

00:12:49,030 --> 00:12:46,560

pure gibberish in lieu of a strong

314

00:12:49,829 --> 00:12:49,040

argument both of these types of

315

00:12:52,870 --> 00:12:49,839

arguments

316

00:12:53,750 --> 00:12:52,880

are deliberately obtuse and designed to

317

00:12:56,550 --> 00:12:53,760

shut down

318

00:12:58,069 --> 00:12:56,560

or confuse the person questioning the

319

00:13:00,509 --> 00:12:58,079

claim

320

00:13:03,190 --> 00:13:00,519

it relies on a person's lack of

321

00:13:06,470 --> 00:13:03,200

familiarity with the jargon

322

00:13:09,670 --> 00:13:06,480

or their scientific illiteracy and

323

00:13:12,870 --> 00:13:09,680

commonly appears in the pseudosciences

324

00:13:16,310 --> 00:13:12,880

that make reference to such notions as

325

00:13:20,150 --> 00:13:16,320

energy fields my neighbor was

326

00:13:22,150 --> 00:13:20,160

researching transcendental meditation

327

00:13:23,750 --> 00:13:22,160

and came across some information about

328

00:13:26,710 --> 00:13:23,760

how to achieve

329

00:13:27,509 --> 00:13:26,720

humankind's ascension into higher

330

00:13:30,710 --> 00:13:27,519

creational

331

00:13:33,509 --> 00:13:30,720

forms he said the information could be

332

00:13:34,629 --> 00:13:33,519

difficult to follow for people not well

333

00:13:37,990 --> 00:13:34,639

versed in

334

00:13:41,030 --> 00:13:38,000

spiritual science but the claims were

335

00:13:42,150 --> 00:13:41,040

all backed by solid arguments rather

336

00:13:45,430 --> 00:13:42,160

than providing

337

00:13:47,910 --> 00:13:45,440

solid arguments it is more common to see

338

00:13:50,870 --> 00:13:47,920

gibberish being used to create such

339

00:13:54,069 --> 00:13:50,880

arguments to back up the claim

340

00:13:55,350 --> 00:13:54,079

for example you may see something like a

341

00:13:58,470 --> 00:13:55,360

claim that

342

00:14:00,310 --> 00:13:58,480

sentient beings can collectively raise

343

00:14:01,509 --> 00:14:00,320

the level of the matrix of their

344

00:14:03,750 --> 00:14:01,519

creation

345

00:14:06,629 --> 00:14:03,760

through the synchronized raising of

346

00:14:09,670 --> 00:14:06,639

their vibrational energy

347

00:14:10,069 --> 00:14:09,680

the role of the earth matrix integrates

348

00:14:13,150 --> 00:14:10,079

the

349

00:14:15,110 --> 00:14:13,160

individual realities into that of

350

00:14:18,069 --> 00:14:15,120

space-time fields

351
00:14:20,790 --> 00:14:18,079
an awareness systematically flows back

352
00:14:22,550 --> 00:14:20,800
from the cosmos to the consciousness of

353
00:14:26,470 --> 00:14:22,560
the human mind

354
00:14:29,350 --> 00:14:26,480
achieving higher states of evolution

355
00:14:31,030 --> 00:14:29,360
this kind of word salad is intended to

356
00:14:33,590 --> 00:14:31,040
sound as though it was actually

357
00:14:36,550 --> 00:14:33,600
based in science and is deliberately

358
00:14:38,710 --> 00:14:36,560
phrased in a way to intimidate

359
00:14:40,310 --> 00:14:38,720
it uses big words and relies on

360
00:14:44,069 --> 00:14:40,320
scientific illiteracy

361
00:14:46,069 --> 00:14:44,079
in order to sound convincing it is hoped

362
00:14:47,030 --> 00:14:46,079
that the reader or listener will simply

363
00:14:50,310 --> 00:14:47,040

defer

364

00:14:51,829 --> 00:14:50,320

and accept the argument in an i'll take

365

00:14:55,030 --> 00:14:51,839

your word for that

366

00:14:56,949 --> 00:14:55,040

kind of way i saw this ad on my social

367

00:14:59,470 --> 00:14:56,959

media news feed today

368

00:15:00,949 --> 00:14:59,480

it claims that the biocharger

369

00:15:04,150 --> 00:15:00,959

revitalizer

370

00:15:05,430 --> 00:15:04,160

is a simple and inexpensive device

371

00:15:07,910 --> 00:15:05,440

designed as an

372

00:15:09,030 --> 00:15:07,920

integrated energy system that subtly

373

00:15:12,389 --> 00:15:09,040

stimulates and

374

00:15:15,910 --> 00:15:12,399

energizes the body's own energy

375

00:15:18,310 --> 00:15:15,920

in a safe and therapeutic way it has the

376

00:15:21,350 --> 00:15:18,320

potential to cure fatigue

377

00:15:23,990 --> 00:15:21,360

generate vitality and enhance

378

00:15:25,030 --> 00:15:24,000

athletic performance depending on the

379

00:15:28,310 --> 00:15:25,040

potential of the

380

00:15:31,910 --> 00:15:28,320

individual user the device produces

381

00:15:35,749 --> 00:15:31,920

digitally pulsed electromagnetic

382

00:15:38,150 --> 00:15:35,759

fields p-e-m-p through a range of

383

00:15:38,710 --> 00:15:38,160

frequencies that the cell can vibrate

384

00:15:42,389 --> 00:15:38,720

and

385

00:15:44,710 --> 00:15:42,399

resonate with in a customized way

386

00:15:46,310 --> 00:15:44,720

such claims often go into technical

387

00:15:49,189 --> 00:15:46,320

detail in the hope that the

388

00:15:50,150 --> 00:15:49,199

jargon and references to actual physics

389

00:15:54,389 --> 00:15:50,160

and biology

390

00:15:57,269 --> 00:15:54,399

will be taken for granted as accurate

391

00:15:58,710 --> 00:15:57,279

so-called energy medicine relies on

392

00:16:01,189 --> 00:15:58,720

debunked ideas

393

00:16:02,790 --> 00:16:01,199

such as that the body can be charged by

394

00:16:06,150 --> 00:16:02,800

a biocompatible

395

00:16:09,269 --> 00:16:06,160

energy field the belief is that the

396

00:16:11,590 --> 00:16:09,279

individual cells in the body selectively

397

00:16:14,550 --> 00:16:11,600

resonate with the vibrations and

398

00:16:17,670 --> 00:16:14,560

frequencies surrounding them

399

00:16:20,870 --> 00:16:17,680

unhealthy cells supposedly absorb

400

00:16:23,670 --> 00:16:20,880

more energy as the voltage they generate

401
00:16:25,030 --> 00:16:23,680
is lower than healthy cells capable of

402
00:16:28,629 --> 00:16:25,040
producing more of their

403
00:16:30,949 --> 00:16:28,639
own energy requirements apparently

404
00:16:33,670 --> 00:16:30,959
all that is required is to provide a

405
00:16:36,389 --> 00:16:33,680
broad enough range of pulsed harmonics

406
00:16:39,430 --> 00:16:36,399
and a bandwidth of frequencies in which

407
00:16:42,790 --> 00:16:39,440
the cells can find their match

408
00:16:44,310 --> 00:16:42,800
however in the words of skeptdoc harriet

409
00:16:47,269 --> 00:16:44,320
hall

410
00:16:48,550 --> 00:16:47,279
never mind that cells don't vibrate

411
00:16:52,310 --> 00:16:48,560
don't resonate

412
00:16:53,430 --> 00:16:52,320
and don't have frequencies a tuning fork

413
00:16:56,629 --> 00:16:53,440

can vibrate

414

00:17:00,790 --> 00:16:56,639

and a radio station can have a frequency

415

00:17:02,230 --> 00:17:00,800

but a pancreas can't i read a newspaper

416

00:17:05,429 --> 00:17:02,240

article that said when

417

00:17:07,029 --> 00:17:05,439

dismissing astrology skeptics

418

00:17:09,669 --> 00:17:07,039

claim that there is no connection

419

00:17:12,949 --> 00:17:09,679

between the stars and the human mind

420

00:17:14,870 --> 00:17:12,959

yet science tells us this is not so

421

00:17:17,309 --> 00:17:14,880

and we can make connections between the

422

00:17:20,150 --> 00:17:17,319

two based on an understanding of

423

00:17:22,710 --> 00:17:20,160

electromagnetism some astrologers draw

424

00:17:24,789 --> 00:17:22,720

on astrophysics and neuroscience when

425

00:17:26,870 --> 00:17:24,799

making claims that astrology is

426

00:17:30,070 --> 00:17:26,880

scientifically proven

427

00:17:30,789 --> 00:17:30,080

and they concoct explanations that

428

00:17:33,590 --> 00:17:30,799

combine

429

00:17:34,390 --> 00:17:33,600

facts from both fields to produce a

430

00:17:38,310 --> 00:17:34,400

whole new

431

00:17:40,950 --> 00:17:38,320

false concept for example

432

00:17:41,909 --> 00:17:40,960

you may see an explanation that states

433

00:17:44,950 --> 00:17:41,919

the effect of

434

00:17:48,470 --> 00:17:44,960

multiple neurons firing together in an

435

00:17:52,070 --> 00:17:48,480

area of the brain generates a measurable

436

00:17:54,950 --> 00:17:52,080

magnetic field outside the head

437

00:17:55,830 --> 00:17:54,960

these neuromagnetic signals generated by

438

00:17:58,390 --> 00:17:55,840

the brain

439

00:18:01,909 --> 00:17:58,400
are only around a billionth of the

440

00:18:04,630 --> 00:18:01,919
strength of the earth's magnetic field

441

00:18:05,669 --> 00:18:04,640
so it is no great leap to conclude that

442

00:18:09,029 --> 00:18:05,679
the sun

443

00:18:10,470 --> 00:18:09,039
moon and planets all which create

444

00:18:12,190 --> 00:18:10,480
tidal effects in the earth's

445

00:18:15,350 --> 00:18:12,200
magnetosphere and cause

446

00:18:16,630 --> 00:18:15,360
fluctuations in the geomagnetic surface

447

00:18:18,470 --> 00:18:16,640
of the earth

448

00:18:20,390 --> 00:18:18,480
must have an influence on the human

449

00:18:22,789 --> 00:18:20,400
brain

450

00:18:25,990 --> 00:18:22,799
not only is this a false claim that we

451
00:18:29,350 --> 00:18:26,000
can easily detect by the weasel words

452
00:18:32,070 --> 00:18:29,360
no great leap to conclude

453
00:18:32,870 --> 00:18:32,080
the astrologers are hoping to bamboozle

454
00:18:35,830 --> 00:18:32,880
their target

455
00:18:36,150 --> 00:18:35,840
audience with the scientific vocabulary

456
00:18:39,110 --> 00:18:36,160
and

457
00:18:40,150 --> 00:18:39,120
try to capitalize on the scientific

458
00:18:41,870 --> 00:18:40,160
illiteracy

459
00:18:45,270 --> 00:18:41,880
of their followers

460
00:18:47,669 --> 00:18:45,280
[Music]

461
00:18:49,750 --> 00:18:47,679
you may have heard the expression if you

462
00:18:52,789 --> 00:18:49,760
can't dazzle them with brilliance

463
00:18:55,110 --> 00:18:52,799

baffle them with bs this is

464

00:18:57,190 --> 00:18:55,120

definitely applicable to all arguments

465

00:18:59,750 --> 00:18:57,200

from gibberish

466

00:19:01,990 --> 00:18:59,760

whenever we lack the scientific literacy

467

00:19:03,350 --> 00:19:02,000

to counter these types of arguments

468

00:19:05,909 --> 00:19:03,360

specifically

469

00:19:06,789 --> 00:19:05,919

we can still be quite suspicious of

470

00:19:10,789 --> 00:19:06,799

slabs of

471

00:19:13,270 --> 00:19:10,799

texts plucked from scientific papers etc

472

00:19:14,150 --> 00:19:13,280

to create gibberish in support of

473

00:19:18,230 --> 00:19:14,160

dubious

474

00:19:20,789 --> 00:19:18,240

claims we can look for weasel words

475

00:19:22,870 --> 00:19:20,799

and do some research that debunks the

476

00:19:26,070 --> 00:19:22,880

nonsense

477

00:19:29,190 --> 00:19:26,080

we can also ask those making the claim

478

00:19:31,909 --> 00:19:29,200

to explain the science further and

479

00:19:34,150 --> 00:19:31,919

are likely to discover that their

480

00:19:44,470 --> 00:19:34,160

ability to do so can be

481

00:19:47,510 --> 00:19:46,549

knowing a logical fallacy when you hear

482

00:19:50,310 --> 00:19:47,520

one and

483

00:19:52,789 --> 00:19:50,320

even knowing its name is important when

484

00:19:56,230 --> 00:19:52,799

arguing your point of view

485

00:19:58,630 --> 00:19:56,240

however you may come across as arrogant

486

00:19:59,430 --> 00:19:58,640

and not get very far if you call it out

487

00:20:01,750 --> 00:19:59,440

by name

488

00:20:03,830 --> 00:20:01,760

to your opponent when you hear it being

489

00:20:06,390 --> 00:20:03,840

used

490

00:20:07,190 --> 00:20:06,400

if your opponent calls you out for using

491

00:20:09,430 --> 00:20:07,200

one

492

00:20:12,470 --> 00:20:09,440

it's time to stop and think about how

493

00:20:14,630 --> 00:20:12,480

you are making your case

494

00:20:15,830 --> 00:20:14,640

use your knowledge of logical fallacies

495

00:20:18,549 --> 00:20:15,840

wisely

496

00:20:19,830 --> 00:20:18,559

and remember that even if your point of

497

00:20:22,149 --> 00:20:19,840

view is right

498

00:20:23,430 --> 00:20:22,159

and you know all the pitfalls in arguing

499

00:20:25,909 --> 00:20:23,440

your case

500

00:20:27,110 --> 00:20:25,919

it doesn't always mean you'll win on the

501
00:20:30,390 --> 00:20:27,120
day

502
00:20:35,990 --> 00:20:30,400
and as skeptics we must also remember

503
00:20:52,390 --> 00:20:37,750
i'm michelle bickersma from the vic

504
00:20:55,830 --> 00:20:55,029
hey adrian hi susan out for some

505
00:20:57,909 --> 00:20:55,840
shopping eh

506
00:20:59,669 --> 00:20:57,919
yep i'm stocking up on this imitation

507
00:21:02,710 --> 00:20:59,679
maple syrup from australia

508
00:21:05,350 --> 00:21:02,720
imitation imitation

509
00:21:05,750 --> 00:21:05,360
no no no no you need to buy the real

510
00:21:08,789 --> 00:21:05,760
thing

511
00:21:10,789 --> 00:21:08,799
from canada but i saw the tv commercial

512
00:21:12,470 --> 00:21:10,799
and it said that noted pancake eating

513
00:21:14,310 --> 00:21:12,480

expert richard saunders says it's the

514

00:21:16,470 --> 00:21:14,320

best maple syrup money can buy

515

00:21:17,430 --> 00:21:16,480

and 60 of people preferred in a blind

516

00:21:20,310 --> 00:21:17,440

taste test

517

00:21:21,190 --> 00:21:20,320

everyone knows it's the best oh come on

518

00:21:23,510 --> 00:21:21,200

susan

519

00:21:25,110 --> 00:21:23,520

you know better than that that's the

520

00:21:28,310 --> 00:21:25,120

argument from authority

521

00:21:31,909 --> 00:21:28,320

it is or is it the argument from

522

00:21:33,909 --> 00:21:31,919

popularity hmm it might be another

523

00:21:35,669 --> 00:21:33,919

logical fallacy i'm not sure

524

00:21:40,180 --> 00:21:35,679

really if only we had a way of finding

525

00:21:46,230 --> 00:21:42,710

[Music]

526

00:21:48,470 --> 00:21:46,240

hello everyone oh my it's the skeptical

527

00:21:50,950 --> 00:21:48,480

fairy godmother angel from the internet

528

00:21:52,070 --> 00:21:50,960

yes that's right but how did you know

529

00:21:55,350 --> 00:21:52,080

who i am

530

00:21:57,750 --> 00:21:55,360

i listened to the skeptic zone podcast

531

00:21:58,390 --> 00:21:57,760

also didn't you used to be the tooth

532

00:22:03,270 --> 00:21:58,400

fairy

533

00:22:06,310 --> 00:22:03,280

oh yes i remember you

534

00:22:07,990 --> 00:22:06,320

i'll never forget your left upper

535

00:22:12,310 --> 00:22:08,000

lateral incisor

536

00:22:14,310 --> 00:22:12,320

would you like it back no it's okay

537

00:22:15,909 --> 00:22:14,320

you keep it hey skeptical fairy

538

00:22:17,190 --> 00:22:15,919

godmother angel what are you doing here

539

00:22:19,510 --> 00:22:17,200

in the supermarket

540

00:22:20,310 --> 00:22:19,520

i've come to tell you that you can find

541

00:22:22,470 --> 00:22:20,320

out about

542

00:22:23,430 --> 00:22:22,480

40 different logical fallacies on

543

00:22:26,710 --> 00:22:23,440

youtube

544

00:22:29,190 --> 00:22:26,720

in one handy location listen to

545

00:22:30,230 --> 00:22:29,200

each one to hear an explanation and

546

00:22:34,070 --> 00:22:30,240

examples of

547

00:22:40,950 --> 00:22:37,950

just go to tinyurl.com

548

00:22:43,510 --> 00:22:40,960

logicalzone and you'll find all the

549

00:22:44,149 --> 00:22:43,520

logical fallacies with michelle bicker's

550

00:22:46,549 --> 00:22:44,159

mark

551
00:22:47,990 --> 00:22:46,559
with handy time codes to get to the

552
00:22:51,270 --> 00:22:48,000
exact one you want

553
00:22:52,830 --> 00:22:51,280
who is michelle bigesma um just a friend

554
00:22:56,070 --> 00:22:52,840
of mine

555
00:22:58,870 --> 00:22:56,080
tinyurl logical

556
00:22:59,750 --> 00:22:58,880
zone thank you skeptical fairy godmother

557
00:23:01,750 --> 00:22:59,760
angel

558
00:23:03,909 --> 00:23:01,760
i guess you'll disappear in a puff of

559
00:23:07,430 --> 00:23:03,919
smoke and thunder now eh

560
00:23:07,990 --> 00:23:07,440
um not quite yet i have a bit of

561
00:23:11,350 --> 00:23:08,000
shopping to

562
00:23:14,149 --> 00:23:11,360
do susan yes

563
00:23:15,830 --> 00:23:14,159

where do i find the australian maple

564

00:23:18,630 --> 00:23:15,840

syrup

565

00:23:20,149 --> 00:23:18,640

what no no no no come with me so-called

566

00:23:37,830 --> 00:23:20,159

skeptical fairy

567

00:23:40,070 --> 00:23:37,840

this is real maple syrup from canada

568

00:23:42,549 --> 00:23:40,080

on the morning of thursday the 18th of

569

00:23:45,590 --> 00:23:42,559

february i woke up and a coffee

570

00:23:48,149 --> 00:23:45,600

sat down to do a little bit of uh

571

00:23:50,789 --> 00:23:48,159

facebooking and generally use the

572

00:23:54,310 --> 00:23:50,799

internet like most of us do

573

00:23:57,430 --> 00:23:54,320

i noticed that a post i'd put on

574

00:24:00,149 --> 00:23:57,440

last week on my own facebook page

575

00:24:01,190 --> 00:24:00,159

a post about a friend of mine siobhan

576

00:24:02,630 --> 00:24:01,200

who

577

00:24:04,710 --> 00:24:02,640

i've interviewed on the skeptic zone

578

00:24:07,990 --> 00:24:04,720

before who does the knowing

579

00:24:09,750 --> 00:24:08,000

animals podcast had disappeared

580

00:24:11,510 --> 00:24:09,760

i thought that was very odd i scrolled

581

00:24:12,710 --> 00:24:11,520

up and down my page and i couldn't find

582

00:24:17,110 --> 00:24:12,720

it

583

00:24:20,230 --> 00:24:17,120

i've posted had also disappeared

584

00:24:23,350 --> 00:24:20,240

the thing about the one from siobhan

585

00:24:27,510 --> 00:24:23,360

was it was a very important piece

586

00:24:31,269 --> 00:24:27,520

a link to the abc here in australia

587

00:24:32,950 --> 00:24:31,279

a link about her story with ovarian

588

00:24:36,390 --> 00:24:32,960

cancer

589

00:24:38,789 --> 00:24:36,400

and it was indeed a very important piece

590

00:24:40,230 --> 00:24:38,799

so i was quite confused and concerned

591

00:24:42,070 --> 00:24:40,240

and it didn't take long for the news to

592

00:24:45,750 --> 00:24:42,080

filter through to me

593

00:24:48,630 --> 00:24:45,760

that facebook had acted suddenly

594

00:24:49,430 --> 00:24:48,640

thursday morning australian time and

595

00:24:52,710 --> 00:24:49,440

deleted

596

00:24:54,310 --> 00:24:52,720

content millions of pages worth of

597

00:24:57,510 --> 00:24:54,320

content links

598

00:25:01,190 --> 00:24:57,520

from australian news and information

599

00:25:03,430 --> 00:25:01,200

sources facebook are having a

600

00:25:05,510 --> 00:25:03,440

rather strange negotiation with the

601
00:25:09,110 --> 00:25:05,520
australian government at the moment

602
00:25:12,310 --> 00:25:09,120
due to new media laws which may come in

603
00:25:14,230 --> 00:25:12,320
before long which would require facebook

604
00:25:16,789 --> 00:25:14,240
and other media companies like that to

605
00:25:19,830 --> 00:25:16,799
pay for local news content

606
00:25:21,110 --> 00:25:19,840
be that as it may the repercussions of

607
00:25:25,110 --> 00:25:21,120
facebook's

608
00:25:27,350 --> 00:25:25,120
very sudden and heavy-handed actions

609
00:25:28,710 --> 00:25:27,360
were probably not what they themselves

610
00:25:30,549 --> 00:25:28,720
were expecting

611
00:25:31,830 --> 00:25:30,559
which does not paint them in a very good

612
00:25:34,789 --> 00:25:31,840
light at all

613
00:25:36,950 --> 00:25:34,799

and i draw your attention to a posting

614

00:25:37,510 --> 00:25:36,960

made at the australian skeptics website

615

00:25:41,029 --> 00:25:37,520

on

616

00:25:44,630 --> 00:25:41,039

the 19th of february

617

00:25:47,909 --> 00:25:44,640

and this is by lauren cochran facebook

618

00:25:50,640 --> 00:25:47,919

puts critical health information at risk

619

00:25:53,190 --> 00:25:50,650

by blocking legitimate news sources

620

00:25:56,230 --> 00:25:53,200

[Music]

621

00:25:57,190 --> 00:25:56,240

like many organizations australian

622

00:26:00,390 --> 00:25:57,200

skeptics inc

623

00:26:01,029 --> 00:26:00,400

was affected by facebook's changes to

624

00:26:04,230 --> 00:26:01,039

sharing

625

00:26:06,710 --> 00:26:04,240

and viewing news in australia why we are

626
00:26:07,510 --> 00:26:06,720
pleased to see that our facebook page

627
00:26:10,710 --> 00:26:07,520
and past

628
00:26:13,190 --> 00:26:10,720
posts have been restored today

629
00:26:16,070 --> 00:26:13,200
our own site content is still

630
00:26:18,310 --> 00:26:16,080
unavailable to be shared on facebook

631
00:26:19,830 --> 00:26:18,320
several government health pages like

632
00:26:22,149 --> 00:26:19,840
queensland health

633
00:26:23,269 --> 00:26:22,159
sydney local health district and western

634
00:26:26,230 --> 00:26:23,279
sydney health

635
00:26:27,590 --> 00:26:26,240
also found their content was restricted

636
00:26:29,190 --> 00:26:27,600
thursday morning

637
00:26:30,710 --> 00:26:29,200
yet by the afternoon they were back

638
00:26:33,350 --> 00:26:30,720

online and sharing

639

00:26:36,149 --> 00:26:33,360

critical health information the content

640

00:26:38,789 --> 00:26:36,159

restrictions are being widely criticized

641

00:26:40,549 --> 00:26:38,799

as putting credible public health

642

00:26:43,190 --> 00:26:40,559

communications at risk

643

00:26:45,430 --> 00:26:43,200

during the covet 19 pandemic professor

644

00:26:48,390 --> 00:26:45,440

julie liske of the university of sydney

645

00:26:50,149 --> 00:26:48,400

tweeted her concern over the timing of

646

00:26:53,190 --> 00:26:50,159

the facebook restrictions

647

00:26:55,590 --> 00:26:53,200

just as the covert 19 vaccine rollout is

648

00:26:57,269 --> 00:26:55,600

set to start in a few days time

649

00:26:59,029 --> 00:26:57,279

and here we have a screenshot of the

650

00:27:01,909 --> 00:26:59,039

tweet in question

651
00:27:03,269 --> 00:27:01,919
and it was triggered by a tweet from

652
00:27:05,750 --> 00:27:03,279
light for riley

653
00:27:06,470 --> 00:27:05,760
and that account is all about vaccine

654
00:27:11,510 --> 00:27:06,480
and

655
00:27:13,269 --> 00:27:11,520
riley tweeted no access to south

656
00:27:15,669 --> 00:27:13,279
australian health queensland health

657
00:27:17,029 --> 00:27:15,679
telethon kids institute facebook pages

658
00:27:19,830 --> 00:27:17,039
either

659
00:27:20,149 --> 00:27:19,840
all their content has been removed and

660
00:27:22,870 --> 00:27:20,159
the

661
00:27:25,029 --> 00:27:22,880
reply from julie liske three days before

662
00:27:26,950 --> 00:27:25,039
australia's vaccine rollout facebook

663
00:27:27,990 --> 00:27:26,960

also stopped access to government and

664

00:27:29,990 --> 00:27:28,000

other websites

665

00:27:32,549 --> 00:27:30,000

the very time we rely on people

666

00:27:35,190 --> 00:27:32,559

accessing vaccine information easily

667

00:27:37,029 --> 00:27:35,200

michael research fellow at the national

668

00:27:37,990 --> 00:27:37,039

center for immunization research and

669

00:27:40,630 --> 00:27:38,000

surveillance

670

00:27:41,830 --> 00:27:40,640

expressed similar concerns in an article

671

00:27:44,149 --> 00:27:41,840

on the conversation

672

00:27:46,310 --> 00:27:44,159

quote now more than ever we need

673

00:27:48,710 --> 00:27:46,320

credible evidence-based information

674

00:27:49,590 --> 00:27:48,720

about covert 19 circulating on social

675

00:27:52,230 --> 00:27:49,600

media

676
00:27:53,350 --> 00:27:52,240
as legitimate news sources health

677
00:27:55,830 --> 00:27:53,360
departments and

678
00:27:57,590 --> 00:27:55,840
science organizations were silenced

679
00:28:00,549 --> 00:27:57,600
conspiracy theorists

680
00:28:02,549 --> 00:28:00,559
and rogue politicians who have spread

681
00:28:05,830 --> 00:28:02,559
misinformation in the past

682
00:28:07,430 --> 00:28:05,840
could continue posting belinda barnett

683
00:28:09,590 --> 00:28:07,440
senior lecturer in media and

684
00:28:10,789 --> 00:28:09,600
communications at swinburne university

685
00:28:12,789 --> 00:28:10,799
of technology

686
00:28:15,430 --> 00:28:12,799
expressed in her opinion piece for the

687
00:28:16,230 --> 00:28:15,440
guardian that by blocking legitimate

688
00:28:18,549 --> 00:28:16,240

news sources

689

00:28:20,870 --> 00:28:18,559

facebook's past statements about

690

00:28:21,909 --> 00:28:20,880

stopping the spread of misinformation on

691

00:28:25,029 --> 00:28:21,919

the platform now

692

00:28:27,190 --> 00:28:25,039

seem farcical

693

00:28:29,029 --> 00:28:27,200

while we continue working on resolving

694

00:28:31,269 --> 00:28:29,039

the issue so our own

695

00:28:32,389 --> 00:28:31,279

website content can be shared to

696

00:28:34,389 --> 00:28:32,399

facebook again

697

00:28:36,710 --> 00:28:34,399

we recommend that you follow us on

698

00:28:37,990 --> 00:28:36,720

twitter to see the news items of

699

00:28:40,870 --> 00:28:38,000

skeptical interest

700

00:28:42,470 --> 00:28:40,880

that we'll continue to share there our

701
00:28:44,710 --> 00:28:42,480
australian skeptics inc

702
00:28:46,630 --> 00:28:44,720
newsletter will also continue to

703
00:28:47,510 --> 00:28:46,640
summarize the latest news of interest to

704
00:28:50,230 --> 00:28:47,520
skeptics

705
00:28:51,269 --> 00:28:50,240
so we encourage you to subscribe to our

706
00:28:54,070 --> 00:28:51,279
mailing list

707
00:28:55,190 --> 00:28:54,080
in order to stay informed and of course

708
00:28:57,350 --> 00:28:55,200
if you want to follow the australian

709
00:29:00,710 --> 00:28:57,360
skeptics on twitter that's very easy

710
00:29:03,190 --> 00:29:00,720
just head to at aust aust

711
00:29:03,750 --> 00:29:03,200
skeptics spelt with the k so that's at

712
00:29:07,029 --> 00:29:03,760
host

713
00:29:07,750 --> 00:29:07,039

skeptics and of course the newsletter

714

00:29:10,710 --> 00:29:07,760

referred to

715

00:29:11,269 --> 00:29:10,720

is the one we regularly read highlights

716

00:29:13,029 --> 00:29:11,279

from

717

00:29:15,510 --> 00:29:13,039

here on the skeptic zone and we

718

00:29:17,510 --> 00:29:15,520

encourage you each time we do that

719

00:29:18,549 --> 00:29:17,520

to subscribe to the newsletter and now

720

00:29:21,350 --> 00:29:18,559

more so

721

00:29:23,269 --> 00:29:21,360

than ever now i for one don't know all

722

00:29:25,590 --> 00:29:23,279

the ins and outs and legal

723

00:29:27,110 --> 00:29:25,600

repercussions and copyright issues and

724

00:29:30,310 --> 00:29:27,120

so on and so forth

725

00:29:33,909 --> 00:29:30,320

with this whole debacle but i

726

00:29:36,310 --> 00:29:33,919

do find it uh startling

727

00:29:37,390 --> 00:29:36,320

that facebook would take such a

728

00:29:38,830 --> 00:29:37,400

heavy-handed

729

00:29:41,350 --> 00:29:38,840

[Music]

730

00:29:43,990 --> 00:29:41,360

and in my opinion over-the-top

731

00:29:45,990 --> 00:29:44,000

reaction or action to somehow try and

732

00:29:47,669 --> 00:29:46,000

teach us a lesson here in australia or

733

00:29:51,190 --> 00:29:47,679

whatever they were thinking

734

00:29:52,950 --> 00:29:51,200

instead of continuing to negotiate

735

00:29:54,950 --> 00:29:52,960

at the table with the government they

736

00:29:56,630 --> 00:29:54,960

have not put themselves in a good light

737

00:29:58,630 --> 00:29:56,640

and governments around the world are

738

00:30:00,789 --> 00:29:58,640

taking a careful uh

739

00:30:02,070 --> 00:30:00,799

look to see what's going to happen here

740

00:30:04,149 --> 00:30:02,080

in australia

741

00:30:05,669 --> 00:30:04,159

thank you to lauren cochran with the

742

00:30:10,710 --> 00:30:05,679

help of tim mendem

743

00:30:12,470 --> 00:30:10,720

for putting that news item together

744

00:30:22,300 --> 00:30:12,480

and i'll link to that in this week's

745

00:30:25,590 --> 00:30:22,310

show notes

746

00:30:31,909 --> 00:30:28,310

hi there i'm abhijeet and i host the

747

00:30:33,909 --> 00:30:31,919

rationable podcast on berationable.com

748

00:30:35,430 --> 00:30:33,919

every couple of weeks i science the hell

749

00:30:37,990 --> 00:30:35,440

out of alternative medicines

750

00:30:38,950 --> 00:30:38,000

health and nutrition fads social media

751
00:30:42,230 --> 00:30:38,960
forwards

752
00:30:44,630 --> 00:30:42,240
science news and lots more of course

753
00:30:46,549 --> 00:30:44,640
you can find all of my articles podcast

754
00:30:50,789 --> 00:30:46,559
episodes and lots more

755
00:30:55,950 --> 00:30:50,799
on www.berationable.com

756
00:31:04,630 --> 00:31:01,390
[Music]

757
00:31:08,100 --> 00:31:04,640
rationable

758
00:31:10,789 --> 00:31:08,110
and now a reading from the book of tim

759
00:31:18,630 --> 00:31:10,799
[Music]

760
00:31:20,470 --> 00:31:18,640
with tim mendham

761
00:31:22,870 --> 00:31:20,480
hi my name is tim mandum i'm the

762
00:31:25,029 --> 00:31:22,880
executive officer of australian skeptics

763
00:31:26,310 --> 00:31:25,039

and the editor of our quarterly magazine

764

00:31:28,149 --> 00:31:26,320

the skeptic

765

00:31:30,830 --> 00:31:28,159

which you can download most issues for

766

00:31:33,269 --> 00:31:30,840

free from our website

767

00:31:35,750 --> 00:31:33,279

skeptics.com

768

00:31:36,549 --> 00:31:35,760

now today i'm reading you part two of an

769

00:31:40,549 --> 00:31:36,559

article

770

00:31:41,669 --> 00:31:40,559

it's all in your head and was written by

771

00:31:44,389 --> 00:31:41,679

michelle cooper

772

00:31:46,389 --> 00:31:44,399

who's a scientist and author of books

773

00:31:47,990 --> 00:31:46,399

for teenagers

774

00:31:50,230 --> 00:31:48,000

this comes from the skeptic magazine

775

00:31:53,190 --> 00:31:50,240

december 2018

776
00:31:55,029 --> 00:31:53,200
which is volume 38 number four and as i

777
00:31:58,149 --> 00:31:55,039
said you can download the entire issue

778
00:31:59,430 --> 00:31:58,159
for free of our website and while you're

779
00:31:59,990 --> 00:31:59,440
there you might like to subscribe to the

780
00:32:00,920 --> 00:32:00,000
magazine

781
00:32:05,590 --> 00:32:00,930
as well

782
00:32:08,789 --> 00:32:07,190
but anyway part two we're looking at

783
00:32:10,149 --> 00:32:08,799
phrenology and in the first part we

784
00:32:12,149 --> 00:32:10,159
looked at the history of phrenology

785
00:32:14,549 --> 00:32:12,159
which is reading bumps on the head

786
00:32:16,070 --> 00:32:14,559
to indicate character etc and now we're

787
00:32:18,470 --> 00:32:16,080
looking at the particular

788
00:32:19,509 --> 00:32:18,480

application of phrenology in australia

789

00:32:23,190 --> 00:32:19,519

and especially

790

00:32:25,110 --> 00:32:23,200

to criminal minds a number of early

791

00:32:27,909 --> 00:32:25,120

australian colonial administrators

792

00:32:29,269 --> 00:32:27,919

were reforming phenologists including

793

00:32:31,029 --> 00:32:29,279

alexander mcconaughey who was

794

00:32:32,230 --> 00:32:31,039

superintendent of norfolk island a

795

00:32:34,789 --> 00:32:32,240

particularly nasty

796

00:32:35,269 --> 00:32:34,799

place to send convicts and dr francis

797

00:32:38,149 --> 00:32:35,279

campbell

798

00:32:39,909 --> 00:32:38,159

at tarban creek lunatic asylum which

799

00:32:42,470 --> 00:32:39,919

later became gladesville mental hospital

800

00:32:43,990 --> 00:32:42,480

which a lot of sydney sidlers will know

801
00:32:46,549 --> 00:32:44,000
these men believe that phrenological

802
00:32:48,710 --> 00:32:46,559
analysis could identify character flaws

803
00:32:50,630 --> 00:32:48,720
which would assist their attempts to

804
00:32:54,070 --> 00:32:50,640
transform undesirables

805
00:32:56,149 --> 00:32:54,080
into virtuous responsible citizens

806
00:32:57,669 --> 00:32:56,159
criminals who had demonstrated specific

807
00:32:59,269 --> 00:32:57,679
antisocial behaviors

808
00:33:01,110 --> 00:32:59,279
were particularly useful subjects for

809
00:33:02,789 --> 00:33:01,120
reforming phrenologists

810
00:33:04,630 --> 00:33:02,799
the difficulty was that many of these

811
00:33:07,110 --> 00:33:04,640
criminal skulls were examined

812
00:33:08,830 --> 00:33:07,120
after they'd been hanged when there was

813
00:33:10,310 --> 00:33:08,840

no further chance of the individual's

814

00:33:12,149 --> 00:33:10,320

rehabilitation

815

00:33:14,230 --> 00:33:12,159

in any case by the time ned kelly's head

816

00:33:14,710 --> 00:33:14,240

was being analyzed by professor hamilton

817

00:33:17,350 --> 00:33:14,720

he was

818

00:33:19,269 --> 00:33:17,360

self-appointed professor of phrenology

819

00:33:21,990 --> 00:33:19,279

phenology was regarded more as popular

820

00:33:23,750 --> 00:33:22,000

entertainment than serious science

821

00:33:25,909 --> 00:33:23,760

notorious criminals often had death

822

00:33:26,789 --> 00:33:25,919

masks made and displayed after their

823

00:33:28,710 --> 00:33:26,799

executions

824

00:33:30,710 --> 00:33:28,720

but this was as much to show that

825

00:33:31,430 --> 00:33:30,720

justice had been served and to satisfy

826

00:33:33,990 --> 00:33:31,440

the public's

827

00:33:35,830 --> 00:33:34,000

ghoulish curiosity as it is for any

828

00:33:37,909 --> 00:33:35,840

scientific purpose

829

00:33:39,909 --> 00:33:37,919

bushrangers were especially fascinating

830

00:33:41,590 --> 00:33:39,919

and the governor of one jail allegedly

831

00:33:44,310 --> 00:33:41,600

ran a profitable business

832

00:33:45,909 --> 00:33:44,320

selling their death masks however there

833

00:33:48,470 --> 00:33:45,919

was one branch of phonology

834

00:33:49,190 --> 00:33:48,480

that had some official recognition on

835

00:33:52,070 --> 00:33:49,200

and off

836

00:33:53,350 --> 00:33:52,080

until well into the 20th century it was

837

00:33:55,909 --> 00:33:53,360

this type of phrenology

838

00:33:57,430 --> 00:33:55,919

that had led to the arrest of hamilton

839

00:33:59,990 --> 00:33:57,440

two decades earlier

840

00:34:01,509 --> 00:34:00,000

now in july 1860 archibald's silos

841

00:34:03,750 --> 00:34:01,519

hamilton had been arrested

842

00:34:04,710 --> 00:34:03,760

by a maitland police magistrate

843

00:34:06,470 --> 00:34:04,720

maintenance in the

844

00:34:08,310 --> 00:34:06,480

central part of new south wales and

845

00:34:10,950 --> 00:34:08,320

charged with inciting another two

846

00:34:13,030 --> 00:34:10,960

ex-hume corpses from a burial ground

847

00:34:14,869 --> 00:34:13,040

hamilton had allegedly offered to pay

848

00:34:15,669 --> 00:34:14,879

the sexton of saint peter's church in

849

00:34:17,430 --> 00:34:15,679

the area

850

00:34:19,349 --> 00:34:17,440

one pound if he would sneak into the

851

00:34:21,510 --> 00:34:19,359

church's graveyard late at night

852

00:34:22,389 --> 00:34:21,520

dig up two recently buried executed

853

00:34:25,510 --> 00:34:22,399

prisoners

854

00:34:27,109 --> 00:34:25,520

and cut off the corpses heads hamilton

855

00:34:27,430 --> 00:34:27,119

had a particular interest in one of the

856

00:34:30,069 --> 00:34:27,440

men

857

00:34:31,909 --> 00:34:30,079

jim crow because this executed man was

858

00:34:33,349 --> 00:34:31,919

an aboriginal

859

00:34:35,109 --> 00:34:33,359

hamilton was not alone in his

860

00:34:37,270 --> 00:34:35,119

fascination with the remains of

861

00:34:38,950 --> 00:34:37,280

aboriginal australians

862

00:34:41,270 --> 00:34:38,960

the expansion of the british empire had

863

00:34:42,230 --> 00:34:41,280

brought europeans into contact with many

864

00:34:45,190 --> 00:34:42,240

new plants

865

00:34:46,149 --> 00:34:45,200

animals and people naturalists developed

866

00:34:48,950 --> 00:34:46,159

taxonomies

867

00:34:50,710 --> 00:34:48,960

to classify species of flora and fauna

868

00:34:51,589 --> 00:34:50,720

which led to an interest in comparing

869

00:34:54,550 --> 00:34:51,599

the bodies

870

00:34:56,310 --> 00:34:54,560

of different racial groups of humans had

871

00:34:57,430 --> 00:34:56,320

these different races originated from a

872

00:34:59,270 --> 00:34:57,440

common ancestor

873

00:35:01,270 --> 00:34:59,280

did all modern humans have the same

874

00:35:03,349 --> 00:35:01,280

intellectual and moral potential

875

00:35:05,270 --> 00:35:03,359

if given the right opportunities or were

876

00:35:06,310 --> 00:35:05,280

different races actually divergent

877

00:35:08,790 --> 00:35:06,320

species

878

00:35:10,710 --> 00:35:08,800

phrenology with its established systems

879

00:35:14,150 --> 00:35:10,720

of measurement and classification

880

00:35:16,069 --> 00:35:14,160

was a useful tool for studying this

881

00:35:18,230 --> 00:35:16,079

charles darwin supported the theory of a

882

00:35:20,550 --> 00:35:18,240

common ancestor for all humans

883

00:35:21,430 --> 00:35:20,560

but he also described a racial hierarchy

884

00:35:23,910 --> 00:35:21,440

for humans

885

00:35:25,990 --> 00:35:23,920

with white european men at the top and

886

00:35:28,630 --> 00:35:26,000

the negro or australian

887

00:35:30,950 --> 00:35:28,640

at the bottom in the descent of man he

888

00:35:33,030 --> 00:35:30,960

stated that the civilized races of man

889

00:35:33,990 --> 00:35:33,040

will almost certainly exterminate and

890

00:35:36,870 --> 00:35:34,000

replace

891

00:35:38,310 --> 00:35:36,880

throughout the world the savage races

892

00:35:39,030 --> 00:35:38,320

which was a view shared by many

893

00:35:41,109 --> 00:35:39,040

authorities

894

00:35:42,710 --> 00:35:41,119

including the government of victoria

895

00:35:45,630 --> 00:35:42,720

which commissioned and published

896

00:35:48,230 --> 00:35:45,640

a phrenological report on aborigines in

897

00:35:49,829 --> 00:35:48,240

1858

898

00:35:51,829 --> 00:35:49,839

hamilton was acquitted of the charge of

899

00:35:53,190 --> 00:35:51,839

body snatching having successfully

900

00:35:55,030 --> 00:35:53,200

argued at his trial

901
00:35:58,630 --> 00:35:55,040
that a phradologist needed skulls to

902
00:36:00,470 --> 00:35:58,640
study just as a geologist needed rocks

903
00:36:02,230 --> 00:36:00,480
besides hamilton pointed out he had

904
00:36:03,510 --> 00:36:02,240
dissected the bodies of many criminals

905
00:36:06,230 --> 00:36:03,520
after their execution

906
00:36:08,069 --> 00:36:06,240
at the official request of authorities

907
00:36:09,510 --> 00:36:08,079
hamilton somehow managed to obtain the

908
00:36:11,589 --> 00:36:09,520
skull of jim crow

909
00:36:13,589 --> 00:36:11,599
at some point after this because two

910
00:36:15,670 --> 00:36:13,599
years later he was displaying it

911
00:36:17,430 --> 00:36:15,680
during his phrenological lectures

912
00:36:18,630 --> 00:36:17,440
discussing the relationship between the

913
00:36:21,270 --> 00:36:18,640

skulls bumps

914

00:36:22,150 --> 00:36:21,280
and the man's criminal history jim

915

00:36:24,230 --> 00:36:22,160
crow's skull

916

00:36:25,510 --> 00:36:24,240
donated to the museum of victoria by

917

00:36:27,190 --> 00:36:25,520
hamilton's widow

918

00:36:29,190 --> 00:36:27,200
would finally be returned to the one

919

00:36:30,150 --> 00:36:29,200
aurora people of the hunter valley in

920

00:36:34,390 --> 00:36:30,160
new south wales

921

00:36:35,750 --> 00:36:34,400
for re-burial in 2015.

922

00:36:37,349 --> 00:36:35,760
hamilton was more showman than

923

00:36:39,990 --> 00:36:37,359
scientists but is there any evidence

924

00:36:42,790 --> 00:36:40,000
that phrenology had a scientific basis

925

00:36:43,190 --> 00:36:42,800
in the 1860s paul broker published the

926
00:36:45,190 --> 00:36:43,200
first

927
00:36:46,310 --> 00:36:45,200
anatomical evidence linking a particular

928
00:36:49,910 --> 00:36:46,320
region of the brain

929
00:36:51,190 --> 00:36:49,920
to a particular behavior broker a french

930
00:36:52,950 --> 00:36:51,200
neuroanatomist

931
00:36:54,710 --> 00:36:52,960
had met a patient who had progressively

932
00:36:56,470 --> 00:36:54,720
lost the ability to speak

933
00:36:59,670 --> 00:36:56,480
but who retained his understanding of

934
00:37:02,069 --> 00:36:59,680
language and most other mental functions

935
00:37:03,510 --> 00:37:02,079
after the patient died broker found a

936
00:37:06,470 --> 00:37:03,520
lesion in the man's left

937
00:37:07,990 --> 00:37:06,480
frontal lobe this result was duplicated

938
00:37:09,829 --> 00:37:08,000

in a dozen more cases

939

00:37:12,069 --> 00:37:09,839

indicating that this particular region

940

00:37:15,430 --> 00:37:12,079

of the brain was responsible

941

00:37:17,109 --> 00:37:15,440

for speech production karl wernicki

942

00:37:19,109 --> 00:37:17,119

then demonstrated that another area of

943

00:37:20,390 --> 00:37:19,119

the brain was linked to understanding

944

00:37:22,470 --> 00:37:20,400

language

945

00:37:24,550 --> 00:37:22,480

meanwhile david ferrier's animal

946

00:37:26,230 --> 00:37:24,560

experiments had shown that electrical

947

00:37:26,950 --> 00:37:26,240

stimulation of certain parts of the

948

00:37:29,670 --> 00:37:26,960

brain

949

00:37:31,109 --> 00:37:29,680

caused specific muscle movements clearly

950

00:37:33,910 --> 00:37:31,119

there was evidence in favor

951
00:37:35,589 --> 00:37:33,920
of the theory of brain localization but

952
00:37:39,030 --> 00:37:35,599
did that mean that phrenology's claims

953
00:37:41,349 --> 00:37:39,040
about organs and faculties were correct

954
00:37:42,790 --> 00:37:41,359
recently a team of neuroscientists at

955
00:37:45,349 --> 00:37:42,800
the university of oxford

956
00:37:48,150 --> 00:37:45,359
attempted to answer that question using

957
00:37:50,550 --> 00:37:48,160
data from the uk biobank imaging study

958
00:37:51,430 --> 00:37:50,560
the researchers compared mri skull and

959
00:37:53,510 --> 00:37:51,440
brain data

960
00:37:55,510 --> 00:37:53,520
with cognitive tests lifestyle

961
00:37:58,790 --> 00:37:55,520
questionnaires and demographic data

962
00:38:00,790 --> 00:37:58,800
from more than 5 000 subjects from goals

963
00:38:03,829 --> 00:38:00,800

original 27 faculties

964

00:38:05,510 --> 00:38:03,839

the oxford researchers selected that

965

00:38:07,030 --> 00:38:05,520

seemed to have some measurable modern

966

00:38:10,790 --> 00:38:07,040

day equivalent

967

00:38:13,510 --> 00:38:10,800

for example goals faculty of attentiveness

968

00:38:15,910 --> 00:38:13,520

because of loveliness impulse to

969

00:38:17,750 --> 00:38:15,920

propagation was compared to biobank data

970

00:38:19,270 --> 00:38:17,760

on the subject's lifetime number of

971

00:38:21,270 --> 00:38:19,280

sexual partners

972

00:38:23,030 --> 00:38:21,280

the faculty of words was measured using

973

00:38:25,190 --> 00:38:23,040

a letter fluency task

974

00:38:28,550 --> 00:38:25,200

and the faculty of arithmetic was linked

975

00:38:30,310 --> 00:38:28,560

to careers in mathematics

976

00:38:32,390 --> 00:38:30,320

some of girl's faculties proved more

977

00:38:34,310 --> 00:38:32,400

difficult to match to available data

978

00:38:36,870 --> 00:38:34,320

and researchers admitted they made some

979

00:38:38,950 --> 00:38:36,880

associations in a spirit of mirth

980

00:38:40,950 --> 00:38:38,960

for instance they attempted to correlate

981

00:38:42,630 --> 00:38:40,960

the faculty of combativeness

982

00:38:46,470 --> 00:38:42,640

with whether the subjects had worked as

983

00:38:48,470 --> 00:38:46,480

lawyers solicitors or barristers

984

00:38:50,150 --> 00:38:48,480

the researchers also tested the veracity

985

00:38:51,589 --> 00:38:50,160

of a second claim of phrenology

986

00:38:54,069 --> 00:38:51,599

that the bumps of the skull were

987

00:38:55,670 --> 00:38:54,079

directly related to the underlying shape

988

00:38:57,750 --> 00:38:55,680

of the brain

989

00:38:59,510 --> 00:38:57,760

and what were their results the oxford

990

00:39:00,150 --> 00:38:59,520

study reported no statistically

991

00:39:02,390 --> 00:39:00,160

significant

992

00:39:03,750 --> 00:39:02,400

or meaningful link between gaul's

993

00:39:06,630 --> 00:39:03,760

described faculties

994

00:39:08,630 --> 00:39:06,640

and the shape of the skull furthermore

995

00:39:11,349 --> 00:39:08,640

brain shape had no relationship

996

00:39:12,150 --> 00:39:11,359

with the bumps of the overlying skull

997

00:39:13,990 --> 00:39:12,160

still

998

00:39:15,750 --> 00:39:14,000

all had been on the right track when he

999

00:39:17,990 --> 00:39:15,760

proposed that brain regions

1000

00:39:19,750 --> 00:39:18,000

were related to particular skills and

1001
00:39:22,310 --> 00:39:19,760
behaviours

1002
00:39:23,829 --> 00:39:22,320
for example modern neuro imaging has now

1003
00:39:28,069 --> 00:39:23,839
linked parts of the

1004
00:39:28,790 --> 00:39:28,079
inferior frontal gyrus brokers area and

1005
00:39:31,750 --> 00:39:28,800
superior

1006
00:39:33,109 --> 00:39:31,760
temporal gyrus wernicke's area with

1007
00:39:35,589 --> 00:39:33,119
language processing

1008
00:39:37,430 --> 00:39:35,599
while the angular gyrus is related to

1009
00:39:39,270 --> 00:39:37,440
arithmetic skill

1010
00:39:40,470 --> 00:39:39,280
it's also true that some medical

1011
00:39:42,870 --> 00:39:40,480
conditions such as

1012
00:39:44,310 --> 00:39:42,880
hydrocephalus can change the shape of

1013
00:39:46,230 --> 00:39:44,320

the skull for children

1014

00:39:47,670 --> 00:39:46,240

and cause changes in behavior and

1015

00:39:49,589 --> 00:39:47,680

cognition

1016

00:39:51,190 --> 00:39:49,599

the oxford researchers noted that even

1017

00:39:53,430 --> 00:39:51,200

in a healthy population

1018

00:39:55,270 --> 00:39:53,440

improvements in childhood nutrition

1019

00:39:58,150 --> 00:39:55,280

could lead to greater growth

1020

00:39:58,870 --> 00:39:58,160

larger heads and possibly changes in

1021

00:40:01,750 --> 00:39:58,880

intelligence

1022

00:40:03,430 --> 00:40:01,760

test scores but phrenology itself was

1023

00:40:05,589 --> 00:40:03,440

never very scientific

1024

00:40:06,470 --> 00:40:05,599

as american satirist ambrose b has

1025

00:40:08,790 --> 00:40:06,480

stated

1026
00:40:10,069 --> 00:40:08,800
phrenology is merely the science of

1027
00:40:13,030 --> 00:40:10,079
picking the pocket through

1028
00:40:14,390 --> 00:40:13,040
the scalp it consists of locating and

1029
00:40:18,309 --> 00:40:14,400
exploiting the organ

1030
00:40:21,510 --> 00:40:20,790
now that's uh all it's all in the head

1031
00:40:23,430 --> 00:40:21,520
part two

1032
00:40:25,030 --> 00:40:23,440
of a two part series that was published

1033
00:40:29,349 --> 00:40:25,040
in the skeptic magazine

1034
00:40:31,270 --> 00:40:29,359
december 2018 which is volume 38 number

1035
00:40:33,589 --> 00:40:31,280
four the article was written by michelle

1036
00:40:36,230 --> 00:40:33,599
cooper who's a science writer and

1037
00:40:37,510 --> 00:40:36,240
who writes books for teenagers and you

1038
00:40:38,230 --> 00:40:37,520

can download that issue with the

1039

00:40:45,220 --> 00:40:38,240

magazine

1040

00:40:56,790 --> 00:40:50,829

[Music]

1041

00:41:00,150 --> 00:40:58,309

i started listening to ono ross and

1042

00:41:02,230 --> 00:41:00,160

carrie shortly after i broke my arm

1043

00:41:04,230 --> 00:41:02,240

i couldn't get my book started it was

1044

00:41:07,430 --> 00:41:04,240

just after my landlord died

1045

00:41:10,069 --> 00:41:07,440

i was allergic to water i was lost

1046

00:41:11,030 --> 00:41:10,079

honestly i knew it was time to make a

1047

00:41:13,270 --> 00:41:11,040

change and

1048

00:41:16,309 --> 00:41:13,280

that's when i turned on my preferred

1049

00:41:21,030 --> 00:41:18,150

what if all the answers i was looking

1050

00:41:22,710 --> 00:41:21,040

for what if they were all right here

1051
00:41:24,790 --> 00:41:22,720
there's something about oh no ross and

1052
00:41:25,190 --> 00:41:24,800
carrie that you just can't get anywhere

1053
00:41:27,829 --> 00:41:25,200
else

1054
00:41:28,630 --> 00:41:27,839
they're thought leaders discoverers

1055
00:41:32,230 --> 00:41:28,640
founders

1056
00:41:33,829 --> 00:41:32,240
i'd call them heroes healers luminaries

1057
00:41:35,670 --> 00:41:33,839
ross and kerry don't just report on

1058
00:41:36,790 --> 00:41:35,680
french science spirituality and claims

1059
00:41:39,030 --> 00:41:36,800
of the paranormal

1060
00:41:40,550 --> 00:41:39,040
they take part themselves they show up

1061
00:41:44,710 --> 00:41:40,560
so you don't have to

1062
00:41:48,470 --> 00:41:47,430
my arm is better i wrote an entire book

1063
00:41:51,109 --> 00:41:48,480

this weekend

1064

00:41:52,550 --> 00:41:51,119

it's terrible but i did it my landlord

1065

00:41:55,829 --> 00:41:52,560

came back from the dead

1066

00:41:56,710 --> 00:41:55,839

if i can listen to this podcast anyone

1067

00:42:02,630 --> 00:41:56,720

can do it

1068

00:42:04,069 --> 00:42:02,640

just go to maximumfun.org

1069

00:42:05,430 --> 00:42:04,079

owner ross and carrie is just a podcast

1070

00:42:06,470 --> 00:42:05,440

it doesn't do anything it's just sounds

1071

00:42:17,510 --> 00:42:06,480

you listen to in your ears all these

1072

00:42:19,190 --> 00:42:17,520

people are made up goodbye

1073

00:42:21,510 --> 00:42:19,200

and that music can only mean one thing

1074

00:42:22,069 --> 00:42:21,520

yes it's time to dive into trove once

1075

00:42:24,069 --> 00:42:22,079

more

1076

00:42:25,190 --> 00:42:24,079

and our continuing story into the

1077

00:42:30,790 --> 00:42:25,200

unknown

1078

00:42:34,790 --> 00:42:30,800

investigation by a panel of

1079

00:42:37,589 --> 00:42:34,800

experts in very late 1949

1080

00:42:38,790 --> 00:42:37,599

published in 1950 originally in the uk i

1081

00:42:41,030 --> 00:42:38,800

would imagine

1082

00:42:43,109 --> 00:42:41,040

although i don't know where and

1083

00:42:44,150 --> 00:42:43,119

subsequently republished here in

1084

00:42:47,190 --> 00:42:44,160

australia in the

1085

00:42:50,309 --> 00:42:47,200

sunday sun in their color

1086

00:42:52,550 --> 00:42:50,319

supplement and this part of our

1087

00:42:53,430 --> 00:42:52,560

investigation takes us to the 8th of

1088

00:42:55,550 --> 00:42:53,440

october

1089

00:42:56,950 --> 00:42:55,560
1950.

1090

00:42:59,109 --> 00:42:56,960
[Music]

1091

00:43:00,069 --> 00:42:59,119
now over the past weeks many weeks we've

1092

00:43:03,109 --> 00:43:00,079
been

1093

00:43:05,270 --> 00:43:03,119
following the panel's adventures as they

1094

00:43:07,670 --> 00:43:05,280
investigate various psychics mystic

1095

00:43:09,829 --> 00:43:07,680
seers clairvoyance and so on

1096

00:43:11,109 --> 00:43:09,839
we've had people being channeled by the

1097

00:43:13,030 --> 00:43:11,119
spirits of

1098

00:43:15,589 --> 00:43:13,040
native americans white feather and

1099

00:43:17,349 --> 00:43:15,599
running water we've had a german doctor

1100

00:43:20,790 --> 00:43:17,359
come to visit

1101
00:43:24,309 --> 00:43:20,800
who was claimed could heal people using

1102
00:43:25,190 --> 00:43:24,319
spiritual power and so far in my humble

1103
00:43:29,430 --> 00:43:25,200
opinion

1104
00:43:32,069 --> 00:43:29,440
we've seen classic cold reading although

1105
00:43:33,589 --> 00:43:32,079
you know it's impossible to really say

1106
00:43:35,910 --> 00:43:33,599
for sure

1107
00:43:37,349 --> 00:43:35,920
i don't know how this event was recorded

1108
00:43:40,230 --> 00:43:37,359
it sounds to me or

1109
00:43:41,910 --> 00:43:40,240
reads to me like it was recorded on some

1110
00:43:44,630 --> 00:43:41,920
device then transcribed

1111
00:43:46,870 --> 00:43:44,640
or someone was there taking shorthand i

1112
00:43:50,309 --> 00:43:46,880
don't know

1113
00:43:52,150 --> 00:43:50,319

anyway we draw to the end over the next

1114

00:43:52,829 --> 00:43:52,160

couple of weeks we will wrap up this

1115

00:43:56,630 --> 00:43:52,839

whole

1116

00:43:59,060 --> 00:43:56,640

series and this week the panel

1117

00:44:02,470 --> 00:43:59,070

begin they're summing up

1118

00:44:05,990 --> 00:44:04,790

into the unknown a frank investigation

1119

00:44:10,360 --> 00:44:06,000

of the riddle

1120

00:44:12,870 --> 00:44:10,370

of spiritualism and psychic force

1121

00:44:15,750 --> 00:44:12,880

[Music]

1122

00:44:17,910 --> 00:44:15,760

the investigation into spiritualism by a

1123

00:44:20,390 --> 00:44:17,920

panel of independent experts was

1124

00:44:22,390 --> 00:44:20,400

completed late in 1949

1125

00:44:24,550 --> 00:44:22,400

after their investigation members of the

1126

00:44:27,030 --> 00:44:24,560

investigating panel were invited to

1127

00:44:29,349 --> 00:44:27,040

write an account of their experiences

1128

00:44:30,960 --> 00:44:29,359

extracts from these accounts are

1129

00:44:33,190 --> 00:44:30,970

published below

1130

00:44:36,550 --> 00:44:33,200

[Music]

1131

00:44:37,430 --> 00:44:36,560

lord amwell i am satisfied that genuine

1132

00:44:40,470 --> 00:44:37,440

paranormal

1133

00:44:42,470 --> 00:44:40,480

phenomena occur years ago i produced a

1134

00:44:45,109 --> 00:44:42,480

good deal of it for myself

1135

00:44:45,510 --> 00:44:45,119

just as anyone may do who is prepared to

1136

00:44:48,550 --> 00:44:45,520

give

1137

00:44:51,589 --> 00:44:48,560

time and exercise patience

1138

00:44:54,150 --> 00:44:51,599

and here let me say that while

1139

00:44:55,190 --> 00:44:54,160

commercialized spiritualism is more or

1140

00:44:58,390 --> 00:44:55,200

less

1141

00:44:59,430 --> 00:44:58,400

phony and the movement should be cleaned

1142

00:45:03,750 --> 00:44:59,440

up by its honest

1143

00:45:06,470 --> 00:45:03,760

members nobody today can read the vast

1144

00:45:08,069 --> 00:45:06,480

and authoritative literature relating to

1145

00:45:10,950 --> 00:45:08,079

psychical research

1146

00:45:12,550 --> 00:45:10,960

that is available and not be convinced

1147

00:45:15,270 --> 00:45:12,560

that genuine mediumship

1148

00:45:16,630 --> 00:45:15,280

exists the explanation that puts it all

1149

00:45:20,069 --> 00:45:16,640

down to fraud

1150

00:45:22,870 --> 00:45:20,079

done by conjuring is mere intellectual

1151
00:45:25,190 --> 00:45:22,880
laziness and as an aside from me what

1152
00:45:26,950 --> 00:45:25,200
logical fallacy is that

1153
00:45:28,710 --> 00:45:26,960
now we've all been listening to logical

1154
00:45:30,550 --> 00:45:28,720
fallacies with michelle bickersmar on

1155
00:45:34,230 --> 00:45:30,560
the skeptic zone i think that's

1156
00:45:37,270 --> 00:45:34,240
probably the false dilemma

1157
00:45:40,309 --> 00:45:37,280
also known as the false dichotomy the

1158
00:45:41,910 --> 00:45:40,319
either or and the false choice this is

1159
00:45:43,990 --> 00:45:41,920
when an argument is framed

1160
00:45:45,109 --> 00:45:44,000
as having only two options or

1161
00:45:47,109 --> 00:45:45,119
conclusions

1162
00:45:48,309 --> 00:45:47,119
when there are in fact other logical

1163
00:45:49,829 --> 00:45:48,319

alternatives

1164

00:45:52,710 --> 00:45:49,839

this fits in nicely and this is

1165

00:45:55,510 --> 00:45:52,720

something i have seen over many years

1166

00:45:57,430 --> 00:45:55,520

especially in the media where they take

1167

00:46:01,109 --> 00:45:57,440

the position that either a psychic

1168

00:46:04,309 --> 00:46:01,119

is real and has real psychic powers

1169

00:46:07,109 --> 00:46:04,319

or they're a fraud uh forgetting

1170

00:46:08,470 --> 00:46:07,119

the in my opinion the vast majority who

1171

00:46:12,870 --> 00:46:08,480

are innocently

1172

00:46:15,670 --> 00:46:12,880

deceiving themselves we read on

1173

00:46:16,550 --> 00:46:15,680

lord amwell but to admit the paranormal

1174

00:46:19,430 --> 00:46:16,560

is one thing

1175

00:46:20,630 --> 00:46:19,440

to accept every psychological

1176

00:46:23,750 --> 00:46:20,640

manifestation

1177

00:46:27,190 --> 00:46:23,760

as the work of discarnate spirits

1178

00:46:29,990 --> 00:46:27,200

another it is painfully evident to me

1179

00:46:30,790 --> 00:46:30,000

at any rate that much mediumship

1180

00:46:33,990 --> 00:46:30,800

especially

1181

00:46:36,470 --> 00:46:34,000

in the category of trance control with

1182

00:46:39,589 --> 00:46:36,480

its pontifical surmising

1183

00:46:42,309 --> 00:46:39,599

and fifth rate moral uplift

1184

00:46:43,349 --> 00:46:42,319

is a case of religious and other

1185

00:46:46,150 --> 00:46:43,359

frustration

1186

00:46:47,510 --> 00:46:46,160

finding a sympathetic outlet failing

1187

00:46:49,829 --> 00:46:47,520

proof to the country

1188

00:46:51,670 --> 00:46:49,839

of which in my view there was none in

1189

00:46:54,790 --> 00:46:51,680

all the seances

1190

00:46:56,950 --> 00:46:54,800

some 20 or so at which most eminent and

1191

00:46:57,349 --> 00:46:56,960

successful mediums of the movement could

1192

00:47:00,710 --> 00:46:57,359

find

1193

00:47:04,150 --> 00:47:00,720

in this country were studied the spirit

1194

00:47:05,910 --> 00:47:04,160

control impresses me as being a clear

1195

00:47:08,829 --> 00:47:05,920

case of dissociation

1196

00:47:10,230 --> 00:47:08,839

that is to say dramatized

1197

00:47:13,990 --> 00:47:10,240

sub-personality

1198

00:47:16,950 --> 00:47:14,000

i fully accept continuity i believe that

1199

00:47:17,670 --> 00:47:16,960

we go on although i think it very

1200

00:47:21,589 --> 00:47:17,680

doubtful

1201
00:47:22,790 --> 00:47:21,599
that we do in the sense and in the way

1202
00:47:26,069 --> 00:47:22,800
that spiritualist

1203
00:47:28,390 --> 00:47:26,079
philosophy describes the technique of

1204
00:47:29,230 --> 00:47:28,400
popular clairvoyance seems to be wide

1205
00:47:32,069 --> 00:47:29,240
open to

1206
00:47:33,990 --> 00:47:32,079
misunderstanding i do not question the

1207
00:47:35,910 --> 00:47:34,000
power of the genuine clairvoyant to

1208
00:47:39,349 --> 00:47:35,920
probe that subconscious

1209
00:47:40,069 --> 00:47:39,359
which is i have suggested immensely

1210
00:47:43,510 --> 00:47:40,079
wider

1211
00:47:46,710 --> 00:47:43,520
than personality as we experience it

1212
00:47:49,910 --> 00:47:46,720
but there is normally a good deal of hit

1213
00:47:50,790 --> 00:47:49,920

or miss in clairvoyant demonstrations as

1214

00:47:54,630 --> 00:47:50,800

well as much

1215

00:47:57,910 --> 00:47:54,640

guessing fishing and eeking out

1216

00:48:00,309 --> 00:47:57,920

is it and would it bees

1217

00:48:01,109 --> 00:48:00,319

predominate and i'll just mention here

1218

00:48:04,390 --> 00:48:01,119

that

1219

00:48:06,950 --> 00:48:04,400

it seems to me he is half

1220

00:48:09,430 --> 00:48:06,960

stumbling across the concept of cold

1221

00:48:12,630 --> 00:48:09,440

reading without really realizing it

1222

00:48:13,589 --> 00:48:12,640

we read on the medium builds up as she

1223

00:48:15,990 --> 00:48:13,599

goes

1224

00:48:16,950 --> 00:48:16,000

the good one with an occasional striking

1225

00:48:19,990 --> 00:48:16,960

result

1226

00:48:23,829 --> 00:48:20,000

the other kind trusts to a train

1227

00:48:26,790 --> 00:48:23,839

of jacks harry's fred's and emma's

1228

00:48:27,829 --> 00:48:26,800

to invoke the requisite initial response

1229

00:48:31,109 --> 00:48:27,839

but there are some

1230

00:48:34,390 --> 00:48:31,119

invariably the non-professional

1231

00:48:35,349 --> 00:48:34,400

who are content hit or miss to let the

1232

00:48:39,109 --> 00:48:35,359

spirits

1233

00:48:41,750 --> 00:48:39,119

if they are such speak for themselves

1234

00:48:43,589 --> 00:48:41,760

and these provide the most remarkable

1235

00:48:46,710 --> 00:48:43,599

results by far

1236

00:48:49,589 --> 00:48:46,720

upon the physical phenomena shown to us

1237

00:48:51,670 --> 00:48:49,599

i feel it painful to comment i leave the

1238

00:48:52,950 --> 00:48:51,680

spirit healing sessions to medical

1239

00:48:56,549 --> 00:48:52,960

members of the panel

1240

00:48:59,190 --> 00:48:56,559

and confine the term physical

1241

00:49:01,270 --> 00:48:59,200

to the direct voice i must record my

1242

00:49:04,870 --> 00:49:01,280

impression that on one occasion

1243

00:49:07,990 --> 00:49:04,880

and on one only it appeared that a voice

1244

00:49:10,950 --> 00:49:08,000

came from the trumpet and was

1245

00:49:11,910 --> 00:49:10,960

somewhat metallic in sound on the same

1246

00:49:14,950 --> 00:49:11,920

occasion

1247

00:49:17,670 --> 00:49:14,960

by far the best seance of its kind the

1248

00:49:20,549 --> 00:49:17,680

trumpet was violently thrown over

1249

00:49:22,069 --> 00:49:20,559

although i should have thought that a

1250

00:49:24,549 --> 00:49:22,079

movement of the medium

1251
00:49:26,390 --> 00:49:24,559
or of any one of his supporters could

1252
00:49:29,270 --> 00:49:26,400
have been detected

1253
00:49:30,870 --> 00:49:29,280
in spite of the gramophone of trumpet

1254
00:49:33,990 --> 00:49:30,880
demonstrations in general

1255
00:49:36,710 --> 00:49:34,000
one can only say that the darkness

1256
00:49:38,470 --> 00:49:36,720
is highly questionable but to determine

1257
00:49:41,910 --> 00:49:38,480
the direction from which a voice

1258
00:49:43,349 --> 00:49:41,920
comes when in pitch darkness or when an

1259
00:49:45,910 --> 00:49:43,359
audience is led to

1260
00:49:47,270 --> 00:49:45,920
accept a particular source is next to

1261
00:49:51,190 --> 00:49:47,280
the impossible

1262
00:49:52,470 --> 00:49:51,200
i must risk the charge of materialistic

1263
00:49:55,750 --> 00:49:52,480

hostility

1264

00:49:57,190 --> 00:49:55,760

in pointing this out there was striking

1265

00:49:59,750 --> 00:49:57,200

support for my view

1266

00:50:00,309 --> 00:49:59,760

already expressed that there is no

1267

00:50:03,670 --> 00:50:00,319

proper

1268

00:50:04,150 --> 00:50:03,680

idea of what evidence means much was

1269

00:50:06,549 --> 00:50:04,160

made

1270

00:50:07,829 --> 00:50:06,559

of the fact that one direct voice medium

1271

00:50:11,109 --> 00:50:07,839

offered the test of having

1272

00:50:13,510 --> 00:50:11,119

stripes of adhesive plaster placed over

1273

00:50:16,630 --> 00:50:13,520

his lips to prevent them moving

1274

00:50:19,910 --> 00:50:16,640

and so to dispose of

1275

00:50:20,950 --> 00:50:19,920

any charge of using ventriloquism no one

1276

00:50:22,950 --> 00:50:20,960

seemed to be aware

1277

00:50:24,309 --> 00:50:22,960

of the fact that speaking without moving

1278

00:50:26,390 --> 00:50:24,319

the lips is

1279

00:50:28,630 --> 00:50:26,400

ventriloquism i have seen the late

1280

00:50:29,190 --> 00:50:28,640

arthur prince demonstrate with adhesive

1281

00:50:30,950 --> 00:50:29,200

tape

1282

00:50:32,870 --> 00:50:30,960

for the entertainment of a private

1283

00:50:35,829 --> 00:50:32,880

circle of magicians

1284

00:50:36,390 --> 00:50:35,839

private because drawing attention to the

1285

00:50:40,309 --> 00:50:36,400

lips

1286

00:50:44,470 --> 00:50:40,319

as such in public is bad

1287

00:50:47,589 --> 00:50:44,480

magical technique and before we read on

1288

00:50:49,430 --> 00:50:47,599

i wonder why especially in those days

1289

00:50:52,870 --> 00:50:49,440

and it can still happen now

1290

00:50:55,270 --> 00:50:52,880

uh that so many mediums in a

1291

00:50:56,309 --> 00:50:55,280

traditional seance insist that the room

1292

00:50:59,910 --> 00:50:56,319

be pitch

1293

00:51:01,030 --> 00:50:59,920

black and not long ago some videos came

1294

00:51:03,990 --> 00:51:01,040

to my attention of

1295

00:51:05,349 --> 00:51:04,000

a seance held in the pitch black

1296

00:51:08,390 --> 00:51:05,359

somebody had

1297

00:51:11,990 --> 00:51:08,400

sneakily put in a night vision camera

1298

00:51:14,549 --> 00:51:12,000

only to see the so-called medium

1299

00:51:16,069 --> 00:51:14,559

stand up and wander around the room and

1300

00:51:20,630 --> 00:51:16,079

wave things

1301

00:51:24,630 --> 00:51:20,640

and pretend to be a spirit

1302

00:51:27,510 --> 00:51:24,640

we read on sir john anderson

1303

00:51:28,470 --> 00:51:27,520

i could never regard spiritualism as a

1304

00:51:31,030 --> 00:51:28,480

religion

1305

00:51:31,510 --> 00:51:31,040

for it seems to have a much wider

1306

00:51:33,510 --> 00:51:31,520

mission

1307

00:51:35,109 --> 00:51:33,520

ahead of it i regard it as a branch of

1308

00:51:37,670 --> 00:51:35,119

the tree of truth

1309

00:51:38,309 --> 00:51:37,680

to stir mankind to seek and find the

1310

00:51:41,829 --> 00:51:38,319

truth of

1311

00:51:43,109 --> 00:51:41,839

survival and of the many pitfalls that

1312

00:51:45,750 --> 00:51:43,119

await the individual

1313

00:51:47,829 --> 00:51:45,760

and the world's destiny with regard to

1314

00:51:49,990 --> 00:51:47,839

my attitude towards mediumship

1315

00:51:51,910 --> 00:51:50,000

i must frankly admit that some of the

1316

00:51:53,990 --> 00:51:51,920

professional mediums are not being

1317

00:51:57,109 --> 00:51:54,000

influenced from spheres of

1318

00:51:57,430 --> 00:51:57,119

rarefied mind but nevertheless most of

1319

00:52:01,030 --> 00:51:57,440

them

1320

00:52:03,829 --> 00:52:01,040

are absolutely genuine these people

1321

00:52:04,870 --> 00:52:03,839

certainly do give proof of survival in

1322

00:52:08,069 --> 00:52:04,880

most cases

1323

00:52:08,470 --> 00:52:08,079

personally i feel that trivial messages

1324

00:52:12,150 --> 00:52:08,480

from

1325

00:52:12,790 --> 00:52:12,160

a departed soul or souls are not of much

1326

00:52:15,829 --> 00:52:12,800

value

1327

00:52:18,390 --> 00:52:15,839

to the receiver but in many instances

1328

00:52:20,309 --> 00:52:18,400

do console a mourner and give fresh

1329

00:52:23,510 --> 00:52:20,319

courage to know that the soul

1330

00:52:26,630 --> 00:52:23,520

is absolutely eternal we are

1331

00:52:29,829 --> 00:52:26,640

of course assured of this by christ

1332

00:52:33,589 --> 00:52:29,839

and this truth is a bulwark of

1333

00:52:36,230 --> 00:52:33,599

the christian faith whatever i may be

1334

00:52:36,950 --> 00:52:36,240

inspired to write in prose or poetry

1335

00:52:39,910 --> 00:52:36,960

forms

1336

00:52:41,990 --> 00:52:39,920

i claim that i receive the thoughts to

1337

00:52:46,230 --> 00:52:42,000

enable me to express them

1338

00:52:48,790 --> 00:52:46,240

from an unseen psychic force

1339

00:52:50,150 --> 00:52:48,800

i am most grateful for this gift and i

1340

00:52:52,390 --> 00:52:50,160

feel that there are

1341

00:52:54,549 --> 00:52:52,400

thousands of people who would find

1342

00:52:58,150 --> 00:52:54,559

wonderful inspiration for their

1343

00:53:01,430 --> 00:52:58,160

various desires if they too

1344

00:53:04,309 --> 00:53:01,440

would search and find the truth of right

1345

00:53:06,390 --> 00:53:04,319

thinking this being the key to find

1346

00:53:08,470 --> 00:53:06,400

bliss unknown before

1347

00:53:10,150 --> 00:53:08,480

and the door will be opened for further

1348

00:53:13,990 --> 00:53:10,160

proof and discovery

1349

00:53:17,030 --> 00:53:14,000

of the eternal psychic thought force

1350

00:53:19,670 --> 00:53:17,040

which has been pulsating before

1351
00:53:20,470 --> 00:53:19,680
the beginning of everything on both

1352
00:53:23,430 --> 00:53:20,480
heaven

1353
00:53:24,630 --> 00:53:23,440
and earth i know that this is all true

1354
00:53:28,549 --> 00:53:24,640
and have proved it

1355
00:53:31,349 --> 00:53:28,559
to myself whether others accept it

1356
00:53:32,950 --> 00:53:31,359
is not my business my purpose is to tell

1357
00:53:36,470 --> 00:53:32,960
the world the truth of

1358
00:53:36,790 --> 00:53:36,480
an eternal ego and also the science of

1359
00:53:40,470 --> 00:53:36,800
the

1360
00:53:43,349 --> 00:53:40,480
thought rays or waves which influence

1361
00:53:45,430 --> 00:53:43,359
us all for good more evil i have had

1362
00:53:47,589 --> 00:53:45,440
remarkable evidence of survival

1363
00:53:49,030 --> 00:53:47,599

and also messages relating to personal

1364

00:53:52,950 --> 00:53:49,040

matters from the

1365

00:53:54,549 --> 00:53:52,960

platform mediums i have sat in circle in

1366

00:53:57,190 --> 00:53:54,559

my own home

1367

00:53:58,069 --> 00:53:57,200

and received messages of significance

1368

00:54:00,470 --> 00:53:58,079

from private

1369

00:54:01,430 --> 00:54:00,480

mediumship done entirely for the service

1370

00:54:04,950 --> 00:54:01,440

of the

1371

00:54:05,670 --> 00:54:04,960

spirit forces with no desire for any

1372

00:54:08,390 --> 00:54:05,680

gain

1373

00:54:09,990 --> 00:54:08,400

i have experience of phenomena which

1374

00:54:13,030 --> 00:54:10,000

were not fraudulent but

1375

00:54:15,510 --> 00:54:13,040

very distasteful for me personally and

1376

00:54:18,870 --> 00:54:15,520

in my opinion not suitable for anyone

1377

00:54:19,510 --> 00:54:18,880

especially a weak person for one has to

1378

00:54:21,750 --> 00:54:19,520

put up

1379

00:54:22,710 --> 00:54:21,760

a strong barrier of resistance to

1380

00:54:25,750 --> 00:54:22,720

anything

1381

00:54:27,750 --> 00:54:25,760

of a vicious nature whether in this

1382

00:54:30,309 --> 00:54:27,760

material world

1383

00:54:31,589 --> 00:54:30,319

or from the mind pulsations of evil

1384

00:54:34,390 --> 00:54:31,599

design

1385

00:54:37,030 --> 00:54:34,400

i pitted the mediums who were so

1386

00:54:40,710 --> 00:54:37,040

constructed only to be able to contact

1387

00:54:43,990 --> 00:54:40,720

warped thoughts of past entities and

1388

00:54:47,349 --> 00:54:44,000

i'll break in here again to say

1389

00:54:51,190 --> 00:54:47,359

what good grief

1390

00:54:51,960 --> 00:54:51,200

sir john anderson wow that was quite a

1391

00:54:53,910 --> 00:54:51,970

um

1392

00:55:04,549 --> 00:54:53,920

[Music]

1393

00:55:07,589 --> 00:55:04,559

that was the summing up from lord amwell

1394

00:55:08,309 --> 00:55:07,599

and mr anderson make of that what you

1395

00:55:10,069 --> 00:55:08,319

will

1396

00:55:11,990 --> 00:55:10,079

next week we hear the thoughts and

1397

00:55:14,830 --> 00:55:12,000

opinions of dr bended

1398

00:55:17,109 --> 00:55:14,840

and mrs haldane

1399

00:55:19,430 --> 00:55:17,119

[Music]

1400

00:55:20,470 --> 00:55:19,440

and that was into the unknown our

1401

00:55:24,150 --> 00:55:20,480

continuing

1402

00:55:25,910 --> 00:55:24,160

look into reports of investigations into

1403

00:55:29,750 --> 00:55:25,920

spiritualism and psychic

1404

00:55:32,870 --> 00:55:29,760

goings-on conducted conducted in

1405

00:55:35,990 --> 00:55:32,880

late 1949 reported in 1950

1406

00:55:39,030 --> 00:55:36,000

and ending up in the sunday

1407

00:55:48,870 --> 00:55:39,040

sun color supplement here in australia

1408

00:55:49,589 --> 00:55:48,880

in october 1950. and you can read that

1409

00:55:53,670 --> 00:55:49,599

for yourself

1410

00:56:13,589 --> 00:55:53,680

at trove.nla.gov.edu

1411

00:56:16,630 --> 00:56:15,349

thank you for listening to the skeptic's

1412

00:56:19,109 --> 00:56:16,640

own podcast

1413

00:56:21,270 --> 00:56:19,119

and congratulations to all three nations

1414

00:56:23,910 --> 00:56:21,280

involved in exploring mars

1415

00:56:26,069 --> 00:56:23,920

as far as i know all three missions so

1416

00:56:26,549 --> 00:56:26,079

far have been successful with the nasa

1417

00:56:29,750 --> 00:56:26,559

one

1418

00:56:32,309 --> 00:56:29,760

and jet propulsion laboratories being

1419

00:56:34,630 --> 00:56:32,319

spectacularly successful so far

1420

00:56:36,390 --> 00:56:34,640

in so much as the photographs the few

1421

00:56:38,950 --> 00:56:36,400

photographs i've seen

1422

00:56:41,030 --> 00:56:38,960

have been startling especially the one

1423

00:56:43,109 --> 00:56:41,040

and you've probably seen it yourself

1424

00:56:44,710 --> 00:56:43,119

with the rover being lowered down from

1425

00:56:47,670 --> 00:56:44,720

the sky crane

1426
00:56:49,670 --> 00:56:47,680
and it's tantalizing to think that we

1427
00:56:52,710 --> 00:56:49,680
might soon see a video

1428
00:56:54,549 --> 00:56:52,720
of that event thank you to those people

1429
00:56:56,150 --> 00:56:54,559
who continue to support the skeptic's

1430
00:56:59,270 --> 00:56:56,160
own at skepticzone.tv

1431
00:57:01,829 --> 00:56:59,280
via paypal or patreon and welcome aboard

1432
00:57:03,910 --> 00:57:01,839
the new patreons in the last week

1433
00:57:06,230 --> 00:57:03,920
the suggested amount of course is five

1434
00:57:10,069 --> 00:57:06,240
dollars a month

1435
00:57:13,349 --> 00:57:10,079
more

1436
00:57:15,510 --> 00:57:13,359
yesterday on coffee and some people

1437
00:57:16,950 --> 00:57:15,520
certainly chip in with more than that

1438
00:57:20,230 --> 00:57:16,960

which is uh fabulous

1439

00:57:23,030 --> 00:57:20,240

and very much appreciated by all of you

1440

00:57:25,030 --> 00:57:23,040

i think all of you people out there who

1441

00:57:26,230 --> 00:57:25,040

simply enjoy the skeptic zone can thank

1442

00:57:28,630 --> 00:57:26,240

those people

1443

00:57:30,710 --> 00:57:28,640

who chip in even a little bit a month

1444

00:57:31,190 --> 00:57:30,720

because it's those people mean that you

1445

00:57:33,750 --> 00:57:31,200

people

1446

00:57:35,109 --> 00:57:33,760

hear the show so if you get a laugh out

1447

00:57:36,630 --> 00:57:35,119

of the skeptic zone if you learn

1448

00:57:39,030 --> 00:57:36,640

something if it's part of your weekly

1449

00:57:41,190 --> 00:57:39,040

entertainment or educational

1450

00:57:42,309 --> 00:57:41,200

routine while you're doing the dishes

1451
00:57:45,349 --> 00:57:42,319
walking the dog

1452
00:57:46,069 --> 00:57:45,359
driving to work on the bus whatever

1453
00:57:48,710 --> 00:57:46,079
you're doing

1454
00:57:49,589 --> 00:57:48,720
then maybe you can consider uh

1455
00:57:51,829 --> 00:57:49,599
contributing

1456
00:57:53,589 --> 00:57:51,839
as well coming up on the skeptic zone

1457
00:57:57,109 --> 00:57:53,599
podcast next week

1458
00:57:59,510 --> 00:57:57,119
more of the book of tim with tim mendum

1459
00:58:01,750 --> 00:57:59,520
the last but one of our look into

1460
00:58:03,030 --> 00:58:01,760
psychic testing from the 1950s in the

1461
00:58:05,430 --> 00:58:03,040
trove segment

1462
00:58:07,430 --> 00:58:05,440
and i hope to bring you an interview

1463
00:58:08,390 --> 00:58:07,440

with some authors who have just written

1464

00:58:11,750 --> 00:58:08,400

a book

1465

00:58:15,190 --> 00:58:11,760

all about crystal healing

1466

00:58:17,990 --> 00:58:15,200

hmm i think my crystals need healing

1467

00:58:19,190 --> 00:58:18,000

and just before i go don't forget as the

1468

00:58:21,910 --> 00:58:19,200

skeptical

1469

00:58:24,630 --> 00:58:21,920

fairy godmother angel from the internet

1470

00:58:28,470 --> 00:58:24,640

reminded us in this week's episode

1471

00:58:30,309 --> 00:58:28,480

you can now hear all 40 of michelle

1472

00:58:32,910 --> 00:58:30,319

because mars logical fallacies on

1473

00:58:35,589 --> 00:58:32,920

youtube just head for

1474

00:58:38,549 --> 00:58:35,599

tinyurl.com slash

1475

00:58:40,230 --> 00:58:38,559

logical zone and once again thank you

1476
00:58:42,069 --> 00:58:40,240
michelle

1477
00:58:43,510 --> 00:58:42,079
but for this week this is richard

1478
00:58:49,510 --> 00:58:43,520
saunders signing off

1479
00:58:52,710 --> 00:58:51,270
you've been listening to the skeptic

1480
00:58:55,950 --> 00:58:52,720
zone podcast

1481
00:58:57,270 --> 00:58:55,960
please visit our website at

1482
00:59:00,390 --> 00:58:57,280
www.skepticzone.tv

1483
00:59:02,390 --> 00:59:00,400
for show notes contacts and to access

1484
00:59:05,910 --> 00:59:02,400
the back catalog of episodes

1485
00:59:07,990 --> 00:59:05,920
going back to 2008 you can follow the

1486
00:59:11,430 --> 00:59:08,000
skeptic zone podcast on twitter

1487
00:59:14,950 --> 00:59:11,440
at skepticzone visit our facebook page

1488
00:59:16,390 --> 00:59:14,960

or leave a review on itunes you can also

1489

00:59:19,589 --> 00:59:16,400

support the skeptic zone

1490

00:59:20,309 --> 00:59:19,599

via patreon or paypal the skeptic zone

1491

00:59:23,270 --> 00:59:20,319

podcast

1492

00:59:25,030 --> 00:59:23,280

is an independent production the views

1493

00:59:25,430 --> 00:59:25,040

and opinions expressed on the skeptic

1494

00:59:27,430 --> 00:59:25,440

zone

1495

00:59:29,349 --> 00:59:27,440

are not necessarily those of australian

1496

00:59:40,309 --> 00:59:29,359

skeptics or any other

1497

00:59:58,829 --> 00:59:42,950

more than five thousand subjects from

1498

01:00:04,069 --> 01:00:01,829

why

1499

01:00:05,430 --> 01:00:04,079

uh if only the skeptic zone fans knew

1500

01:00:06,950 --> 01:00:05,440

what we have to do

1501

01:00:08,069 --> 01:00:06,960

well you keep talking about the birth i

1502

01:00:08,950 --> 01:00:08,079

can't hear them when i listen to your

1503

01:00:11,109 --> 01:00:08,960

podcast

1504

01:00:12,630 --> 01:00:11,119

uh that's because i turned them down a

1505

01:00:13,030 --> 01:00:12,640

lot yeah but you keep talking about them

1506

01:00:15,109 --> 01:00:13,040

like

1507

01:00:16,549 --> 01:00:15,119

i'm listening no the man's crazy there's

1508

01:00:18,069 --> 01:00:16,559

no birds it's in his head

1509

01:00:19,670 --> 01:00:18,079

i have a bird in my hand okay i'll start

1510

01:00:23,430 --> 01:00:19,680

that paragraph again because it's all

1511

01:00:27,270 --> 01:00:25,030

hello to the afterthoughts the people

1512

01:00:28,710 --> 01:00:27,280

who listen after the music for the dice

1513

01:00:30,630 --> 01:00:28,720

game here we go

1514

01:00:32,710 --> 01:00:30,640

a d6 this week folks if you haven't

1515

01:00:36,950 --> 01:00:32,720

heard this part of the show before

1516

01:00:40,470 --> 01:00:36,960

i roll a die a d10 a d6 sometimes a d30

1517

01:00:42,069 --> 01:00:40,480

a d4 sometimes even was it a d3

1518

01:00:43,670 --> 01:00:42,079

with one two three i think it's a d4

1519

01:00:47,910 --> 01:00:43,680

anyway whatever

1520

01:00:51,510 --> 01:00:47,920

and you see if you can uh predict

1521

01:00:53,349 --> 01:00:51,520

more guess is that the same thing

1522

01:00:55,670 --> 01:00:53,359

no not really what numbers are going to

1523

01:00:58,230 --> 01:00:55,680

come up i have my skeptic's own pen

1524

01:00:59,829 --> 01:00:58,240

skeptic's own notepad

1525

01:01:02,069 --> 01:00:59,839

on my skeptic's own desk and here's my

1526

01:01:04,470 --> 01:01:02,079

skeptics on die it's a d6 this week at

1527

01:01:08,549 --> 01:01:04,480

d6 i'm gonna roll it three times

1528

01:01:11,829 --> 01:01:08,559

here we go guess away roll number one

1529

01:01:13,660 --> 01:01:11,839

is a one one for one

1530

01:01:14,950 --> 01:01:13,670

roll number two

1531

01:01:18,309 --> 01:01:14,960

[Music]

1532

01:01:22,710 --> 01:01:18,319

is a four one

1533

01:01:27,990 --> 01:01:25,670

is a three hmm roll number one was one

1534

01:01:31,190 --> 01:01:28,000

roll number three was a three

1535

01:01:34,230 --> 01:01:31,200

this week's numbers are one

1536

01:01:36,630 --> 01:01:34,240

four three and the supplementary

1537

01:01:37,430 --> 01:01:36,640

as they play on those lotto games will

1538

01:01:40,069 --> 01:01:37,440

be

1539

01:01:40,950 --> 01:01:40,079

rolled with a d10 a 10-sided die here we

1540

01:01:42,870 --> 01:01:40,960

go

1541

01:01:44,069 --> 01:01:42,880

so you have a choice of one two three

1542

01:01:45,460 --> 01:01:44,079

four five six seven eight

1543

01:01:47,589 --> 01:01:45,470

nine or ten

1544

01:01:51,589 --> 01:01:47,599

[Music]