



## Episode 644

# THE SKEPTIC ZONE PODCAST

[www.skepticzone.tv](http://www.skepticzone.tv)

14 February 2021

Bad COVID-19  
Chiro Advice

Logical Fallacies  
with Michelle Bijkersma  
"The Single Cause"

Newsletter from  
Australian Skeptics

A look into Trove  
Psychic Test 1950  
Into the Unknown Part #7

The Book of Tim  
with Tim Mendham



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  
00:00:22,470 --> 00:00:16,850

and reason

5  
00:00:24,550 --> 00:00:22,480

[Music]

6  
00:00:26,429 --> 00:00:24,560

yes it's the skeptic zone podcast

7  
00:00:30,470 --> 00:00:26,439

episode number

8  
00:00:32,310 --> 00:00:30,480

644 for the 14th of february 2021

9  
00:00:33,750 --> 00:00:32,320

richard saunders coming to you from

10  
00:00:35,270 --> 00:00:33,760

sydney australia

11  
00:00:38,630 --> 00:00:35,280

now a big shout out to my friends in

12  
00:00:42,229 --> 00:00:38,640

melbourne and the state of victoria

13  
00:00:45,190 --> 00:00:42,239

that state's gone into a sudden lockdown

14

00:00:46,950 --> 00:00:45,200

for five days so you're sort of halfway

15

00:00:47,430 --> 00:00:46,960

through your five days now by the time

16

00:00:51,270 --> 00:00:47,440

you

17

00:00:53,029 --> 00:00:51,280

get this recording and i

18

00:00:54,869 --> 00:00:53,039

am thinking about you especially those

19

00:00:57,430 --> 00:00:54,879

people who hoped

20

00:00:58,950 --> 00:00:57,440

to get away this weekend for a little

21

00:01:00,630 --> 00:00:58,960

getaway

22

00:01:02,389 --> 00:01:00,640

but coming up on this week's episode of

23

00:01:04,070 --> 00:01:02,399

the skeptic zone podcast

24

00:01:06,230 --> 00:01:04,080

a couple of weeks ago we brought you the

25

00:01:08,070 --> 00:01:06,240

story or the um

26

00:01:09,910 --> 00:01:08,080

wasn't quite a story it was just a

27

00:01:12,710 --> 00:01:09,920

little bit of a news about

28

00:01:14,230 --> 00:01:12,720

a chiropractor in the state of

29

00:01:17,510 --> 00:01:14,240

queensland

30

00:01:18,630 --> 00:01:17,520

who had placed on the website at the

31

00:01:19,830 --> 00:01:18,640

practice

32

00:01:23,030 --> 00:01:19,840

way back at the beginning of the

33

00:01:25,510 --> 00:01:23,040

pandemic particularly bad advice about

34

00:01:26,070 --> 00:01:25,520

covert 19 suggesting it wasn't that

35

00:01:30,469 --> 00:01:26,080

serious

36

00:01:32,069 --> 00:01:30,479

and if you had chiropractic adjustment

37

00:01:34,310 --> 00:01:32,079

it would help and things like that

38

00:01:35,270 --> 00:01:34,320

well finally action has been taken

39

00:01:40,550 --> 00:01:35,280

against

40

00:01:42,950 --> 00:01:40,560

that chiropractor or at least directions

41

00:01:44,630 --> 00:01:42,960

to take that ridiculous video down

42

00:01:46,870 --> 00:01:44,640

that story coming up at the top of the

43

00:01:48,630 --> 00:01:46,880

show following that it's logical

44

00:01:49,670 --> 00:01:48,640

fallacies with the fabulous michelle

45

00:01:52,389 --> 00:01:49,680

bickersma

46

00:01:53,670 --> 00:01:52,399

in melbourne probably in lockdown hang

47

00:01:56,789 --> 00:01:53,680

in there michelle

48

00:01:58,630 --> 00:01:56,799

this week michelle looks at the fallacy

49

00:02:01,350 --> 00:01:58,640

of the single cause

50

00:02:03,469 --> 00:02:01,360

also known as casual oversimplification

51  
00:02:07,190 --> 00:02:03,479  
this fallacy occurs when it is

52  
00:02:09,749 --> 00:02:07,200  
assumed that there is a single simple

53  
00:02:11,670 --> 00:02:09,759  
cause for an outcome when in fact there

54  
00:02:13,350 --> 00:02:11,680  
may be a number of causes

55  
00:02:14,949 --> 00:02:13,360  
now i've mentioned before that if you go

56  
00:02:19,670 --> 00:02:14,959  
to the skeptic zone

57  
00:02:22,070 --> 00:02:19,680  
home page or website at [skepticzone.tv](http://skepticzone.tv)

58  
00:02:24,229 --> 00:02:22,080  
and scroll down on the right side under

59  
00:02:25,990 --> 00:02:24,239  
the photographs or the images for each

60  
00:02:28,390 --> 00:02:26,000  
week's show you'll see a little

61  
00:02:29,110 --> 00:02:28,400  
uh a little box image there with

62  
00:02:31,910 --> 00:02:29,120  
michelle

63  
00:02:32,790 --> 00:02:31,920

logical fallacies on now on youtube the

64

00:02:34,869 --> 00:02:32,800

first

65

00:02:36,630 --> 00:02:34,879

20 of michelle's logical fallacies are

66

00:02:40,790 --> 00:02:36,640

on youtube and

67

00:02:44,229 --> 00:02:40,800

in a week or two there will be the first

68

00:02:47,270 --> 00:02:44,239

40 logical fallacies on that

69

00:02:49,190 --> 00:02:47,280

youtube site in fact i've created a tiny

70

00:02:53,430 --> 00:02:49,200

url for that for anybody

71

00:02:56,229 --> 00:02:53,440

and that's tinyurl.com logical

72

00:02:57,990 --> 00:02:56,239

zone if you type that in you'll get

73

00:02:59,350 --> 00:02:58,000

straight to those logical fallacies on

74

00:03:01,830 --> 00:02:59,360

youtube

75

00:03:02,710 --> 00:03:01,840

then we have the book of tim with tim

76

00:03:04,869 --> 00:03:02,720

mendem

77

00:03:05,830 --> 00:03:04,879

and this week tim starts a two-part

78

00:03:09,190 --> 00:03:05,840

series

79

00:03:10,949 --> 00:03:09,200

looking at phrenology

80

00:03:13,030 --> 00:03:10,959

you've got to have bumps on your head to

81

00:03:15,190 --> 00:03:13,040

believe in phrenology

82

00:03:16,070 --> 00:03:15,200

phrenology part one it's all in your

83

00:03:18,229 --> 00:03:16,080

head

84

00:03:20,149 --> 00:03:18,239

that's the name of the segment written

85

00:03:22,470 --> 00:03:20,159

by michelle cooper

86

00:03:24,869 --> 00:03:22,480

then we dive once more into trove and

87

00:03:26,630 --> 00:03:24,879

our ongoing series into the unknown this

88

00:03:29,830 --> 00:03:26,640

will be part seven

89

00:03:33,110 --> 00:03:29,840

and this is our continuing story of a

90

00:03:33,830 --> 00:03:33,120

panel way back in the 1950s in 1950 in

91

00:03:36,470 --> 00:03:33,840

fact

92

00:03:37,270 --> 00:03:36,480

in the uk examining so-called psychic

93

00:03:39,750 --> 00:03:37,280

powers

94

00:03:40,630 --> 00:03:39,760

then to round off the show it's the

95

00:03:42,309 --> 00:03:40,640

newsletter

96

00:03:44,869 --> 00:03:42,319

from the australian skeptics what's

97

00:03:45,430 --> 00:03:44,879

caught the skeptical eye of skeptical

98

00:03:48,949 --> 00:03:45,440

tim

99

00:03:50,630 --> 00:03:48,959

mendem this week well that's enough for

100

00:03:51,750 --> 00:03:50,640

me at the moment it's time for me to run

101  
00:03:54,149 --> 00:03:51,760  
downstairs

102  
00:03:55,429 --> 00:03:54,159  
and think about something i had almost a

103  
00:03:58,390 --> 00:03:55,439  
year ago which i

104  
00:04:00,630 --> 00:03:58,400  
really loved and that was those yummy

105  
00:04:03,270 --> 00:04:00,640  
yummy japanese pancakes

106  
00:04:05,429 --> 00:04:03,280  
that i had in the beautiful little

107  
00:04:07,509 --> 00:04:05,439  
seaside town of anglesey

108  
00:04:09,110 --> 00:04:07,519  
good memories now i can't exactly whip

109  
00:04:10,390 --> 00:04:09,120  
them up downstairs but i'll have a cup

110  
00:04:12,710 --> 00:04:10,400  
of coffee

111  
00:04:14,140 --> 00:04:12,720  
in there on it while i do that i hope

112  
00:04:21,449 --> 00:04:14,150  
you enjoy the skeptic

113  
00:04:26,830 --> 00:04:21,459

[Music]

114

00:04:31,270 --> 00:04:29,749

zone

115

00:04:33,749 --> 00:04:31,280

a couple of weeks ago on the skeptic

116

00:04:37,110 --> 00:04:33,759

zone podcast i brought you the news

117

00:04:38,469 --> 00:04:37,120

of our concerns of a queensland

118

00:04:41,350 --> 00:04:38,479

chiropractor

119

00:04:43,189 --> 00:04:41,360

who had videos online really downplaying

120

00:04:46,790 --> 00:04:43,199

the seriousness

121

00:04:48,950 --> 00:04:46,800

of covert 19 and suggesting things like

122

00:04:50,310 --> 00:04:48,960

you could use chiropractic adjustment to

123

00:04:53,830 --> 00:04:50,320

help you

124

00:04:55,510 --> 00:04:53,840

in this respect well i'm very pleased to

125

00:04:57,990 --> 00:04:55,520

report to you

126  
00:04:59,749 --> 00:04:58,000  
that action has been taken and i quote

127  
00:05:03,110 --> 00:04:59,759  
from news.com.au

128  
00:05:06,070 --> 00:05:03,120  
a story written by stephanie bedo

129  
00:05:07,430 --> 00:05:06,080  
chiropractor forced to take down video

130  
00:05:11,029 --> 00:05:07,440  
on coronavirus

131  
00:05:12,640 --> 00:05:11,039  
claiming nonsense about big

132  
00:05:16,390 --> 00:05:12,650  
bad bug

133  
00:05:18,469 --> 00:05:16,400  
[Music]

134  
00:05:20,550 --> 00:05:18,479  
a queensland chiropractor has been

135  
00:05:22,230 --> 00:05:20,560  
referred for investigation after he

136  
00:05:25,350 --> 00:05:22,240  
posted a video making

137  
00:05:27,189 --> 00:05:25,360  
controversial claims and this has been

138  
00:05:30,230 --> 00:05:27,199

reported on the 10th of february

139

00:05:32,469 --> 00:05:30,240

2021 a chiropractor has been forced to

140

00:05:35,510 --> 00:05:32,479

take down a video he posted

141

00:05:38,550 --> 00:05:35,520

at the start of the coronavirus pandemic

142

00:05:41,029 --> 00:05:38,560

claiming it was all hysteria

143

00:05:42,150 --> 00:05:41,039

and there was nothing to worry about

144

00:05:44,870 --> 00:05:42,160

morgan thomas

145

00:05:46,469 --> 00:05:44,880

webber posted a video to his marucci

146

00:05:49,270 --> 00:05:46,479

door clinics blog

147

00:05:49,990 --> 00:05:49,280

and youtube channel in march last year

148

00:05:53,110 --> 00:05:50,000

saying

149

00:05:55,749 --> 00:05:53,120

despite our bodies having 51

150

00:05:56,710 --> 00:05:55,759

trillion cells that orchestrate our

151  
00:05:59,110 --> 00:05:56,720  
immune system

152  
00:05:59,830 --> 00:05:59,120  
quote we seem to have more faith and

153  
00:06:03,189 --> 00:05:59,840  
trust in

154  
00:06:06,550 --> 00:06:03,199  
medicine than we do in this amazing

155  
00:06:06,950 --> 00:06:06,560  
body we call home end quote quote crazy

156  
00:06:10,150 --> 00:06:06,960  
right

157  
00:06:13,590 --> 00:06:10,160  
end quote he said quote enough

158  
00:06:15,350 --> 00:06:13,600  
of this nonsense about the big bad bug

159  
00:06:16,950 --> 00:06:15,360  
and all the worry about washing your

160  
00:06:19,909 --> 00:06:16,960  
hands because

161  
00:06:21,350 --> 00:06:19,919  
i tell you what if you are neglecting to

162  
00:06:23,510 --> 00:06:21,360  
nurture your body

163  
00:06:24,950 --> 00:06:23,520

and the 51 trillion cells to be the best

164

00:06:27,990 --> 00:06:24,960

they can be

165

00:06:28,710 --> 00:06:28,000

watch out that may not be enough washing

166

00:06:31,670 --> 00:06:28,720

your hands

167

00:06:34,150 --> 00:06:31,680

end quote there have since been 2.3

168

00:06:37,270 --> 00:06:34,160

million covert 19 deaths worldwide

169

00:06:38,710 --> 00:06:37,280

and more than 100 million infections dr

170

00:06:41,749 --> 00:06:38,720

webber's video

171

00:06:43,909 --> 00:06:41,759

remained online all of last year until

172

00:06:45,430 --> 00:06:43,919

it was recently removed after complaints

173

00:06:47,110 --> 00:06:45,440

were made against him

174

00:06:48,790 --> 00:06:47,120

news has seen copies of the complaints

175

00:06:52,350 --> 00:06:48,800

made to the queensland office

176  
00:06:53,830 --> 00:06:52,360  
of the health ombudsman and the

177  
00:06:55,909 --> 00:06:53,840  
a-h-p-r-a

178  
00:06:57,510 --> 00:06:55,919  
they allege dr weber was advertising and

179  
00:06:58,950 --> 00:06:57,520  
promoting incorrect information about

180  
00:07:00,710 --> 00:06:58,960  
covert 19

181  
00:07:03,029 --> 00:07:00,720  
and further promoting alternative

182  
00:07:06,230 --> 00:07:03,039  
approaches to serious illnesses

183  
00:07:09,189 --> 00:07:06,240  
quote which could encourage people not

184  
00:07:11,670 --> 00:07:09,199  
to seek medical intervention end quote

185  
00:07:14,070 --> 00:07:11,680  
the office of the health ombudsmen

186  
00:07:15,589 --> 00:07:14,080  
said after reviewing the matter they

187  
00:07:18,790 --> 00:07:15,599  
decided to accept

188  
00:07:22,469 --> 00:07:18,800

the case and refer it to the ah

189

00:07:24,710 --> 00:07:22,479

pra for investigation in the march 16

190

00:07:26,550 --> 00:07:24,720

video dr webber goes on to tell people

191

00:07:29,510 --> 00:07:26,560

they should be eating well

192

00:07:30,469 --> 00:07:29,520

staying hydrated moving getting sunlight

193

00:07:33,309 --> 00:07:30,479

exposure

194

00:07:34,629 --> 00:07:33,319

thinking well and keeping up with their

195

00:07:36,270 --> 00:07:34,639

chiropractic

196

00:07:39,909 --> 00:07:36,280

adjustments

197

00:07:42,629 --> 00:07:39,919

[Music]

198

00:07:44,309 --> 00:07:42,639

now i will link to that story there is

199

00:07:46,390 --> 00:07:44,319

more there to read

200

00:07:47,589 --> 00:07:46,400

on this week's show notes but a good

201  
00:07:51,670 --> 00:07:47,599  
result

202  
00:07:53,189 --> 00:07:51,680  
the scenes who

203  
00:07:56,830 --> 00:07:53,199  
monitor these sort of things and make

204  
00:07:58,590 --> 00:07:56,840  
these complaints well done

205  
00:08:06,150 --> 00:07:58,600  
congratulations

206  
00:08:11,589 --> 00:08:08,869  
hi this is heidi robertson from the

207  
00:08:14,070 --> 00:08:11,599  
northern rivers vaccination supporters

208  
00:08:16,309 --> 00:08:14,080  
we are a group of concerned citizens

209  
00:08:18,230 --> 00:08:16,319  
dedicated to promoting good science and

210  
00:08:21,189 --> 00:08:18,240  
common sense in our region

211  
00:08:23,670 --> 00:08:21,199  
the far north coast of new south wales

212  
00:08:25,589 --> 00:08:23,680  
this area famous for its natural beauty

213  
00:08:28,230 --> 00:08:25,599

and relaxed lifestyle

214

00:08:30,070 --> 00:08:28,240

also has the lowest rates of vaccination

215

00:08:32,389 --> 00:08:30,080

in australia

216

00:08:34,550 --> 00:08:32,399

we are out to change that by challenging

217

00:08:36,790 --> 00:08:34,560

the myths and misinformation

218

00:08:39,350 --> 00:08:36,800

and by providing good evidence-based

219

00:08:41,350 --> 00:08:39,360

information to the community

220

00:08:42,469 --> 00:08:41,360

we'd love for you no matter where you

221

00:08:45,430 --> 00:08:42,479

are in the world

222

00:08:46,710 --> 00:08:45,440

to join our fight please visit our

223

00:08:52,230 --> 00:08:46,720

webpage

224

00:08:53,829 --> 00:08:52,240

at [www.nrvs.info](http://www.nrvs.info)

225

00:08:55,430 --> 00:08:53,839

we also have a link there to our

226

00:08:58,949 --> 00:08:55,440

facebook page

227

00:09:02,230 --> 00:08:58,959

tweet us at nrvoxsupporters

228

00:09:03,509 --> 00:09:02,240

that's vox and check us out on wikipedia

229

00:09:06,630 --> 00:09:03,519

by searching for

230

00:09:09,990 --> 00:09:06,640

northern rivers vaccination supporters

231

00:09:37,110 --> 00:09:31,990

[Music]

232

00:09:41,750 --> 00:09:37,120

logical fallacies

233

00:09:44,389 --> 00:09:41,760

important that critical thinkers should

234

00:09:46,710 --> 00:09:44,399

know about them

235

00:09:48,310 --> 00:09:46,720

a logical fallacy is an error we can

236

00:09:50,310 --> 00:09:48,320

make in reasoning

237

00:09:54,710 --> 00:09:50,320

but it usually crops up when we are

238

00:09:59,110 --> 00:09:56,790

some people might even knowingly use

239

00:09:59,990 --> 00:09:59,120

them to try and score cheap points in an

240

00:10:03,269 --> 00:10:00,000

argument

241

00:10:05,829 --> 00:10:03,279

due to intellectual laziness

242

00:10:07,590 --> 00:10:05,839

they are traps we can fall into but if

243

00:10:09,750 --> 00:10:07,600

we know what to look out for

244

00:10:14,389 --> 00:10:09,760

we can spot them when they occur and

245

00:10:18,069 --> 00:10:17,509

this time we'll look at a fallacy of the

246

00:10:21,389 --> 00:10:18,079

single

247

00:10:22,870 --> 00:10:21,399

cause also known as the causal

248

00:10:26,069 --> 00:10:22,880

oversimplification

249

00:10:29,110 --> 00:10:26,079

this fallacy occurs when it is assumed

250

00:10:32,389 --> 00:10:29,120

that there is a single simple cause

251  
00:10:33,990 --> 00:10:32,399  
of an outcome when in fact there may be

252  
00:10:36,630 --> 00:10:34,000  
a number of causes

253  
00:10:37,990 --> 00:10:36,640  
reducing the causes of a complicated

254  
00:10:41,509 --> 00:10:38,000  
issue to a single

255  
00:10:43,350 --> 00:10:41,519  
factor may be satisfying in our desire

256  
00:10:46,630 --> 00:10:43,360  
to keep things simple

257  
00:10:47,430 --> 00:10:46,640  
and sometimes it is helpful to identify

258  
00:10:51,030 --> 00:10:47,440  
the most

259  
00:10:52,870 --> 00:10:51,040  
significant reasons as to why something

260  
00:10:56,630 --> 00:10:52,880  
has happened

261  
00:10:58,829 --> 00:10:56,640  
however we also need to keep in mind

262  
00:11:00,069 --> 00:10:58,839  
that there are many complicated

263  
00:11:02,230 --> 00:11:00,079

situations

264

00:11:03,430 --> 00:11:02,240

where multiple factors have to be

265

00:11:06,630 --> 00:11:03,440

considered

266

00:11:08,310 --> 00:11:06,640

and the situation is not entirely

267

00:11:10,790 --> 00:11:08,320

reducible to just

268

00:11:13,110 --> 00:11:10,800

one i just watched this amazing

269

00:11:16,470 --> 00:11:13,120

documentary by a celebrity chef

270

00:11:17,350 --> 00:11:16,480

who said that white flour and white rice

271

00:11:20,870 --> 00:11:17,360

are causing

272

00:11:24,949 --> 00:11:20,880

westerners to become obese it's called

273

00:11:25,670 --> 00:11:24,959

the no pale diet not just because of the

274

00:11:28,710 --> 00:11:25,680

color

275

00:11:31,750 --> 00:11:28,720

but because they put the pale

276

00:11:32,230 --> 00:11:31,760

in paleo all i need do is permanently

277

00:11:35,590 --> 00:11:32,240

cut

278

00:11:38,870 --> 00:11:35,600

them out of my diet and i'll be trim

279

00:11:41,990 --> 00:11:38,880

aside from the appeal to tradition

280

00:11:45,110 --> 00:11:42,000

and naturalistic fallacies coming into

281

00:11:49,110 --> 00:11:45,120

play when we try and base our diet

282

00:11:52,710 --> 00:11:49,120

on what our ancestors supposedly ate

283

00:11:55,829 --> 00:11:52,720

this focus on white grains or even just

284

00:11:59,110 --> 00:11:55,839

food as the single cause of obesity

285

00:12:00,550 --> 00:11:59,120

is an oversimplification of what the

286

00:12:03,750 --> 00:12:00,560

multiple causes

287

00:12:07,350 --> 00:12:03,760

really are we need to consider

288

00:12:11,350 --> 00:12:07,360

many factors such as overall caloric

289

00:12:15,990 --> 00:12:11,360

intake genetics mental health

290

00:12:19,110 --> 00:12:16,000

education resources physical activity

291

00:12:22,710 --> 00:12:19,120

and so on the president

292

00:12:25,670 --> 00:12:22,720

as a secret savior doing god's work

293

00:12:25,990 --> 00:12:25,680

children being trafficked by democrats

294

00:12:29,509 --> 00:12:26,000

and

295

00:12:31,750 --> 00:12:29,519

celebrities in underground tunnels

296

00:12:33,670 --> 00:12:31,760

there's no explanation for believing

297

00:12:36,870 --> 00:12:33,680

this q a non nonsense

298

00:12:39,750 --> 00:12:36,880

other than that conspiracy theorists

299

00:12:40,870 --> 00:12:39,760

must be plain gullible it's hard to

300

00:12:43,350 --> 00:12:40,880

understand how

301  
00:12:45,590 --> 00:12:43,360  
anyone could believe in this kind of

302  
00:12:48,949 --> 00:12:45,600  
conspiracy theory

303  
00:12:51,190 --> 00:12:48,959  
however believers are not initially

304  
00:12:51,750 --> 00:12:51,200  
presented with the information in a way

305  
00:12:56,069 --> 00:12:51,760  
that is

306  
00:12:59,030 --> 00:12:56,079  
obviously ludicrous gullibility may be

307  
00:13:00,389 --> 00:12:59,040  
one factor but the beliefs happen

308  
00:13:03,430 --> 00:13:00,399  
gradually

309  
00:13:06,389 --> 00:13:03,440  
based on grains of truth and occur

310  
00:13:08,389 --> 00:13:06,399  
when there is vulnerability and feelings

311  
00:13:13,110 --> 00:13:08,399  
of powerlessness

312  
00:13:15,829 --> 00:13:13,120  
mistrust disinformation political bias

313  
00:13:17,350 --> 00:13:15,839

sense of community and a range of other

314

00:13:20,230 --> 00:13:17,360

factors

315

00:13:20,949 --> 00:13:20,240

today i talked to my friend about her

316

00:13:24,389 --> 00:13:20,959

neighbor

317

00:13:26,790 --> 00:13:24,399

who refuses to vaccinate her children

318

00:13:29,430 --> 00:13:26,800

we're going to gather some facts and

319

00:13:32,470 --> 00:13:29,440

once she has the right information

320

00:13:35,590 --> 00:13:32,480

i'm sure she'll change her mind

321

00:13:39,189 --> 00:13:35,600

if only human beings were so easily

322

00:13:42,310 --> 00:13:39,199

influenced by the facts however

323

00:13:44,310 --> 00:13:42,320

we are all primarily motivated by our

324

00:13:48,069 --> 00:13:44,320

emotions and biases

325

00:13:50,670 --> 00:13:48,079

no matter how rational we think we are

326

00:13:52,470 --> 00:13:50,680

it's a mistake to assume that the

327

00:13:55,110 --> 00:13:52,480

anti-vaccination crowd are

328

00:13:55,829 --> 00:13:55,120

simply watching youtube and busy

329

00:13:59,829 --> 00:13:55,839

obtaining

330

00:14:02,310 --> 00:13:59,839

false information about vaccines online

331

00:14:03,110 --> 00:14:02,320

their information is also coming from

332

00:14:06,629 --> 00:14:03,120

some

333

00:14:09,750 --> 00:14:06,639

alternative health practitioners

334

00:14:12,949 --> 00:14:09,760

television the local health food store

335

00:14:17,269 --> 00:14:12,959

trusted peers family members and

336

00:14:19,750 --> 00:14:17,279

even maverick doctors and researchers

337

00:14:22,710 --> 00:14:19,760

members of the anti-vaccination movement

338

00:14:25,829 --> 00:14:22,720

have all been exposed to the facts

339

00:14:28,870 --> 00:14:25,839

yet the beliefs persist for various

340

00:14:31,110 --> 00:14:28,880

other reasons that include fear

341

00:14:32,590 --> 00:14:31,120

government or pharmaceutical company

342

00:14:36,069 --> 00:14:32,600

mistrust

343

00:14:39,430 --> 00:14:36,079

disinformation campaigns grief

344

00:14:42,870 --> 00:14:39,440

vaccine court payouts religious beliefs

345

00:14:46,389 --> 00:14:42,880

conspiracy theories and the list goes

346

00:14:51,430 --> 00:14:48,870

as critical thinkers we know it can be

347

00:14:55,030 --> 00:14:51,440

necessary to cut through the fluff

348

00:14:57,829 --> 00:14:55,040

by applying occam's razor and recognize

349

00:14:59,189 --> 00:14:57,839

that the simplest explanation is often

350

00:15:02,790 --> 00:14:59,199

the right one

351  
00:15:05,269 --> 00:15:02,800  
however our reasoning may be faulty

352  
00:15:06,230 --> 00:15:05,279  
if we take an overly reductionist

353  
00:15:09,350 --> 00:15:06,240  
approach

354  
00:15:12,730 --> 00:15:09,360  
and attribute single causes to

355  
00:15:15,590 --> 00:15:12,740  
complicated situations

356  
00:15:17,750 --> 00:15:15,600  
[Music]

357  
00:15:20,310 --> 00:15:17,760  
knowing a logical fallacy when you hear

358  
00:15:22,550 --> 00:15:20,320  
one and even knowing its name

359  
00:15:23,910 --> 00:15:22,560  
is important when arguing your point of

360  
00:15:27,350 --> 00:15:23,920  
view

361  
00:15:29,749 --> 00:15:27,360  
however you may come across as arrogant

362  
00:15:30,550 --> 00:15:29,759  
and not get very far if you call it out

363  
00:15:32,949 --> 00:15:30,560

by name

364

00:15:35,030 --> 00:15:32,959

to your opponent when you hear it being

365

00:15:37,509 --> 00:15:35,040

used

366

00:15:38,310 --> 00:15:37,519

if your opponent calls you out for using

367

00:15:40,550 --> 00:15:38,320

one

368

00:15:43,670 --> 00:15:40,560

it's time to stop and think about how

369

00:15:45,749 --> 00:15:43,680

you are making your case

370

00:15:46,949 --> 00:15:45,759

use your knowledge of logical fallacies

371

00:15:49,749 --> 00:15:46,959

wisely

372

00:15:50,949 --> 00:15:49,759

and remember that even if your point of

373

00:15:53,269 --> 00:15:50,959

view is right

374

00:15:54,629 --> 00:15:53,279

and you know all the pitfalls in arguing

375

00:15:57,030 --> 00:15:54,639

your case

376

00:15:58,230 --> 00:15:57,040

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

377

00:16:01,509 --> 00:15:58,240

day

378

00:16:04,080 --> 00:16:01,519

and as skeptics we must also remember

379

00:16:07,110 --> 00:16:04,090

that we too can be wrong at times

380

00:16:08,870 --> 00:16:07,120

[Music]

381

00:16:25,829 --> 00:16:08,880

i'm michelle bickersma from the vic

382

00:16:29,590 --> 00:16:28,389

skeptics cafe online from victoria

383

00:16:31,749 --> 00:16:29,600

australia

384

00:16:34,629 --> 00:16:31,759

no matter where you are in the world

385

00:16:38,310 --> 00:16:34,639

join us on monday the 15th of february

386

00:16:41,430 --> 00:16:38,320

2021 for a live talk online

387

00:16:44,710 --> 00:16:41,440

magician science communicator speaker

388

00:16:47,030 --> 00:16:44,720

and author nicholas j johnson

389

00:16:49,430 --> 00:16:47,040

will examine the pressing topic of

390

00:16:52,550 --> 00:16:49,440

critical thinking in the classroom

391

00:16:53,430 --> 00:16:52,560

after the insanity of 2020 who knows

392

00:16:56,949 --> 00:16:53,440

what challenges

393

00:16:59,590 --> 00:16:56,959

students will have to face in 2021

394

00:16:59,990 --> 00:16:59,600

students and teachers to be honest will

395

00:17:02,470 --> 00:17:00,000

need

396

00:17:04,150 --> 00:17:02,480

to be able to think critically if

397

00:17:06,230 --> 00:17:04,160

they're going to face whatever

398

00:17:07,990 --> 00:17:06,240

hand grenade of uncertainty is tossed

399

00:17:10,710 --> 00:17:08,000

their way next

400

00:17:12,789 --> 00:17:10,720

you'll also be entertained by nath lee

401  
00:17:13,510 --> 00:17:12,799  
who is a prolific singer-songwriter from

402  
00:17:16,069 --> 00:17:13,520  
melbourne

403  
00:17:17,590 --> 00:17:16,079  
who writes both original songs and

404  
00:17:20,069 --> 00:17:17,600  
timely parodies

405  
00:17:21,429 --> 00:17:20,079  
as well as skepticism his songs cover

406  
00:17:23,829 --> 00:17:21,439  
the fields of science

407  
00:17:24,789 --> 00:17:23,839  
politics and philosophy and come with a

408  
00:17:28,230 --> 00:17:24,799  
high degree of

409  
00:17:31,270 --> 00:17:28,240  
musicality and wit join us via

410  
00:17:32,070 --> 00:17:31,280  
zoom 8 pm for a chat then the talk

411  
00:17:35,830 --> 00:17:32,080  
begins at

412  
00:17:39,029 --> 00:17:35,840  
8 30 pm australian eastern daylight time

413  
00:17:42,390 --> 00:17:39,039

that's 9 a.m on the 15th uk time

414

00:17:46,549 --> 00:17:42,400

4 am on the 15th east coast usa

415

00:17:49,270 --> 00:17:46,559

and 1am on the 15th west coast usa

416

00:17:53,270 --> 00:17:49,280

for more information and the zoom link

417

00:18:05,140 --> 00:17:53,280

just head to [www.facebook.com](http://www.facebook.com)

418

00:18:05,150 --> 00:18:08,390

[Music]

419

00:18:15,740 --> 00:18:14,549

and now a reading from the book of time

420

00:18:22,390 --> 00:18:15,750

with tim mendem

421

00:18:26,549 --> 00:18:24,230

hi my name is tim menden i'm the

422

00:18:28,310 --> 00:18:26,559

executive officer of australian skeptics

423

00:18:30,310 --> 00:18:28,320

and the editor of our magazine the

424

00:18:31,870 --> 00:18:30,320

skeptic which you can download from our

425

00:18:35,190 --> 00:18:31,880

website

426

00:18:38,630 --> 00:18:35,200

skeptics.com.hey you for free

427

00:18:42,230 --> 00:18:38,640

and today i'm looking at the bumpy topic

428

00:18:44,310 --> 00:18:42,240

of phrenology which i will explain

429

00:18:46,070 --> 00:18:44,320

soon and this appeared as an article

430

00:18:48,870 --> 00:18:46,080

called it's all in your head

431

00:18:49,990 --> 00:18:48,880

by michelle cooper who's an author of

432

00:18:53,190 --> 00:18:50,000

books for teenagers

433

00:18:55,990 --> 00:18:53,200

and a scientist and this appeared in the

434

00:19:00,150 --> 00:18:56,000

skeptic magazine december 2018

435

00:19:02,150 --> 00:19:00,160

which is volume 38 number four

436

00:19:03,680 --> 00:19:02,160

and this is part one of a two-part

437

00:19:09,669 --> 00:19:03,690

series

438

00:19:14,710 --> 00:19:12,630

on the morning of 11th of november 1880

439

00:19:16,710 --> 00:19:14,720

prison waters cut down the corpse of

440

00:19:19,430 --> 00:19:16,720

notorious australian bushranger

441

00:19:20,710 --> 00:19:19,440

ned kelly from the scaffold at melbourne

442

00:19:22,549 --> 00:19:20,720

jail

443

00:19:25,270 --> 00:19:22,559

soon kelly would be buried in an

444

00:19:27,350 --> 00:19:25,280

unmarked grave in the prison grounds

445

00:19:28,870 --> 00:19:27,360

but first authorities would shave his

446

00:19:31,110 --> 00:19:28,880

beard and hair off

447

00:19:33,669 --> 00:19:31,120

take careful measurements off his skull

448

00:19:36,950 --> 00:19:33,679

and construct a plaster cast of his head

449

00:19:38,070 --> 00:19:36,960

for further study archibald silas

450

00:19:41,669 --> 00:19:38,080

hamilton

451  
00:19:43,350 --> 00:19:41,679  
self-proclaimed professor of phrenology

452  
00:19:45,590 --> 00:19:43,360  
a man who'd have his own brushes with

453  
00:19:47,190 --> 00:19:45,600  
the law had been bitterly disappointed

454  
00:19:49,830 --> 00:19:47,200  
that he'd not been permitted to examine

455  
00:19:52,630 --> 00:19:49,840  
kelly prior to the execution

456  
00:19:54,710 --> 00:19:52,640  
hamilton had strongly desired to throw

457  
00:19:58,390 --> 00:19:54,720  
the light of science upon the character

458  
00:20:00,470 --> 00:19:58,400  
of the condemned man however hamilton

459  
00:20:01,669 --> 00:20:00,480  
was there to inspect the dead man's head

460  
00:20:03,750 --> 00:20:01,679  
afterwards

461  
00:20:05,510 --> 00:20:03,760  
and a week later the melbourne herald

462  
00:20:06,470 --> 00:20:05,520  
newspaper published the professor's

463  
00:20:10,710 --> 00:20:06,480

detailed

464

00:20:13,110 --> 00:20:10,720

phrenological analysis of ned kelly

465

00:20:15,669 --> 00:20:13,120

hamilton reported that kelly's skull

466

00:20:18,870 --> 00:20:15,679

showed enormous organs of combativeness

467

00:20:21,350 --> 00:20:18,880

destructiveness and self-esteem

468

00:20:22,310 --> 00:20:21,360

with underdevelopment in the organs of

469

00:20:25,669 --> 00:20:22,320

cautiousness

470

00:20:27,669 --> 00:20:25,679

sublimity and conscientiousness

471

00:20:30,230 --> 00:20:27,679

not that surprising for a bushranger

472

00:20:33,350 --> 00:20:30,240

which is australian term for a

473

00:20:35,190 --> 00:20:33,360

basically a villain of the west

474

00:20:37,190 --> 00:20:35,200

phrenology had been proven correct yet

475

00:20:38,549 --> 00:20:37,200

again most herald readers would have

476

00:20:39,510 --> 00:20:38,559

been familiar with hamilton's

477

00:20:41,669 --> 00:20:39,520

terminology

478

00:20:43,350 --> 00:20:41,679

because phrenology was as much a part of

479

00:20:45,909 --> 00:20:43,360

19th century popular

480

00:20:48,390 --> 00:20:45,919

culture as newspaper horoscopes would

481

00:20:50,070 --> 00:20:48,400

become in the 20th century

482

00:20:51,669 --> 00:20:50,080

but how seriously did the authorities

483

00:20:53,350 --> 00:20:51,679

take phrenology

484

00:20:55,190 --> 00:20:53,360

did it ever have any scientific

485

00:20:57,990 --> 00:20:55,200

credibility in australia

486

00:20:59,510 --> 00:20:58,000

or elsewhere now phenology if you notice

487

00:21:00,789 --> 00:20:59,520

the reading of bumps on the head to

488

00:21:02,630 --> 00:21:00,799

develop character

489

00:21:04,950 --> 00:21:02,640

and the founder of phrenology was franz

490

00:21:07,110 --> 00:21:04,960

joseph gaul a viennese doctor

491

00:21:08,789 --> 00:21:07,120

who'd noted during his school years that

492

00:21:11,110 --> 00:21:08,799

students with prominent eyes

493

00:21:13,110 --> 00:21:11,120

tended to be good learners around the

494

00:21:15,270 --> 00:21:13,120

beginning of the 19th century he began

495

00:21:16,230 --> 00:21:15,280

examining the heads of people he deemed

496

00:21:18,310 --> 00:21:16,240

exceptional

497

00:21:20,710 --> 00:21:18,320

in some way and came up with a radical

498

00:21:23,350 --> 00:21:20,720

new theory that a person's moral

499

00:21:25,270 --> 00:21:23,360

and intellectual faculties were innate

500

00:21:27,110 --> 00:21:25,280

and that these faculties were linked to

501  
00:21:29,190 --> 00:21:27,120  
particular regions or organs of the

502  
00:21:33,669 --> 00:21:29,200  
brain

503  
00:21:35,990 --> 00:21:33,679  
responsible for verbal skills arithmetic

504  
00:21:38,710 --> 00:21:36,000  
music and appreciation of color

505  
00:21:40,549 --> 00:21:38,720  
there was an organ for perseverance one

506  
00:21:42,390 --> 00:21:40,559  
for the sense of god and religion and

507  
00:21:43,669 --> 00:21:42,400  
another devoted to tenderness for the

508  
00:21:45,830 --> 00:21:43,679  
offspring

509  
00:21:48,070 --> 00:21:45,840  
however there are also organs for less

510  
00:21:50,870 --> 00:21:48,080  
benevolent characteristics and behaviors

511  
00:21:52,710 --> 00:21:50,880  
such as vanity larceny and murder the

512  
00:21:53,510 --> 00:21:52,720  
more an individual used a particular

513  
00:21:57,029 --> 00:21:53,520

organ

514

00:21:59,669 --> 00:21:57,039

a corresponding bump

515

00:22:01,430 --> 00:21:59,679

on the overlying part of the skull a

516

00:22:03,990 --> 00:22:01,440

skilled chronologist would merely need

517

00:22:06,390 --> 00:22:04,000

to run his fingers over someone's skull

518

00:22:07,750 --> 00:22:06,400

to reveal that person's intelligence

519

00:22:10,390 --> 00:22:07,760

personality talents

520

00:22:11,029 --> 00:22:10,400

marriage prospects career options and or

521

00:22:14,149 --> 00:22:11,039

criminal

522

00:22:15,909 --> 00:22:14,159

history there was disagreement about

523

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

where exactly these skull bumps were

524

00:22:19,029 --> 00:22:17,200

located

525

00:22:20,310 --> 00:22:19,039

and even how many organs and related

526

00:22:21,909 --> 00:22:20,320

faculties existed

527

00:22:23,430 --> 00:22:21,919

not surprisingly this may have been

528

00:22:25,350 --> 00:22:23,440

because gall had often drawn his

529

00:22:26,870 --> 00:22:25,360

conclusions from a single exceptional

530

00:22:28,789 --> 00:22:26,880

research subject

531

00:22:30,470 --> 00:22:28,799

that ignored any contradictory data that

532

00:22:32,470 --> 00:22:30,480

later emerged

533

00:22:34,549 --> 00:22:32,480

phrenologists also relied heavily on

534

00:22:35,350 --> 00:22:34,559

studying plaster casts of heads which

535

00:22:37,430 --> 00:22:35,360

were not

536

00:22:38,789 --> 00:22:37,440

very accurate skull representations for

537

00:22:40,470 --> 00:22:38,799

living subjects

538

00:22:42,630 --> 00:22:40,480

unless those individuals happen to be

539

00:22:43,909 --> 00:22:42,640

bald or were willing to have shaved

540

00:22:46,470 --> 00:22:43,919

their heads

541

00:22:47,430 --> 00:22:46,480

a bump on a young lady's head cast would

542

00:22:50,310 --> 00:22:47,440

reveal a large

543

00:22:51,750 --> 00:22:50,320

organ of poetic talent or might simply

544

00:22:52,630 --> 00:22:51,760

show where her long hair had been

545

00:22:55,669 --> 00:22:52,640

bunched up

546

00:22:57,669 --> 00:22:55,679

when the cast was made girl stated that

547

00:23:00,310 --> 00:22:57,679

there were 27 faculties

548

00:23:03,669 --> 00:23:00,320

although his colleague johann spurtzheim

549

00:23:07,350 --> 00:23:03,679

described 32 faculties in his 1850 book

550

00:23:10,070 --> 00:23:07,360

physionomical system an edinburgh lawyer

551  
00:23:11,750 --> 00:23:10,080  
george combe was inspired by spurheim's

552  
00:23:13,110 --> 00:23:11,760  
lectures on the topic and published his

553  
00:23:15,990 --> 00:23:13,120  
own best-selling book

554  
00:23:17,270 --> 00:23:16,000  
the constitution of man listing 39

555  
00:23:20,390 --> 00:23:17,280  
organs

556  
00:23:21,990 --> 00:23:20,400  
mr h lundy of leeds then announced he

557  
00:23:24,870 --> 00:23:22,000  
discovered four new organs

558  
00:23:26,149 --> 00:23:24,880  
which included organs of comicality and

559  
00:23:28,870 --> 00:23:26,159  
grotesque

560  
00:23:30,310 --> 00:23:28,880  
an honor went despite this confusion

561  
00:23:32,230 --> 00:23:30,320  
interest in the new science of

562  
00:23:33,029 --> 00:23:32,240  
phrenology spread rapidly throughout

563  
00:23:34,950 --> 00:23:33,039

europe

564

00:23:36,789 --> 00:23:34,960

phrenologists were especially intrigued

565

00:23:37,909 --> 00:23:36,799

by the heads of recently deceased

566

00:23:41,110 --> 00:23:37,919

celebrities

567

00:23:43,190 --> 00:23:41,120

when composer joseph haydn died in 1809

568

00:23:44,390 --> 00:23:43,200

two phrenologists broke into his newly

569

00:23:47,350 --> 00:23:44,400

interred coffin

570

00:23:49,269 --> 00:23:47,360

to steal his head and examine his skull

571

00:23:49,990 --> 00:23:49,279

subsequently reporting that his organ of

572

00:23:52,950 --> 00:23:50,000

music was

573

00:23:55,350 --> 00:23:52,960

fully developed surprise surprise the

574

00:23:57,669 --> 00:23:55,360

marquis de sade's exhumed skull however

575

00:23:58,390 --> 00:23:57,679

was described by a doctor at his asylum

576

00:24:01,110 --> 00:23:58,400

as showing

577

00:24:01,909 --> 00:24:01,120

no ferocity no aggressive drives no

578

00:24:04,710 --> 00:24:01,919

excess in

579

00:24:07,029 --> 00:24:04,720

erotic impulses perhaps the infamous

580

00:24:08,470 --> 00:24:07,039

libertine had reformed in his old age

581

00:24:10,070 --> 00:24:08,480

and his skull had changed shape

582

00:24:11,990 --> 00:24:10,080

accordingly

583

00:24:14,310 --> 00:24:12,000

spurt some acquired the monkey desired

584

00:24:16,230 --> 00:24:14,320

skull from this doctor and added it to

585

00:24:17,510 --> 00:24:16,240

his collection with plaster casts of the

586

00:24:19,190 --> 00:24:17,520

skull later used

587

00:24:21,909 --> 00:24:19,200

in chronological lectures given to the

588

00:24:24,549 --> 00:24:21,919

public however it was the americans who

589

00:24:27,110 --> 00:24:24,559

really brought phrenology to the masses

590

00:24:29,110 --> 00:24:27,120

orson squire fowler and his brother

591

00:24:30,549 --> 00:24:29,120

lorenzo

592

00:24:32,470 --> 00:24:30,559

explained that to me when they get the

593

00:24:34,630 --> 00:24:32,480

different names began their lucrative

594

00:24:35,110 --> 00:24:34,640

phrenological business in the 1840s

595

00:24:37,430 --> 00:24:35,120

selling

596

00:24:39,190 --> 00:24:37,440

phonological books ceramic busts and

597

00:24:40,950 --> 00:24:39,200

various other paraphernalia

598

00:24:43,190 --> 00:24:40,960

phrenological pamphlets on marriage and

599

00:24:44,149 --> 00:24:43,200

sex proved especially popular with the

600

00:24:46,870 --> 00:24:44,159

public

601  
00:24:48,549 --> 00:24:46,880  
lorenzo's wife lydia also wrote a series

602  
00:24:49,990 --> 00:24:48,559  
of phrenological lessons for school

603  
00:24:52,470 --> 00:24:50,000  
children

604  
00:24:54,870 --> 00:24:52,480  
mark twain who's a lifelong skeptic

605  
00:24:56,070 --> 00:24:54,880  
visited lorenzo fowler's rooms under an

606  
00:24:58,549 --> 00:24:56,080  
assumed name

607  
00:25:00,789 --> 00:24:58,559  
for a phrenological examination and

608  
00:25:03,269 --> 00:25:00,799  
receives a chance that twain reported

609  
00:25:05,029 --> 00:25:03,279  
did not resemble me in a single sharply

610  
00:25:07,750 --> 00:25:05,039  
defined detail

611  
00:25:09,590 --> 00:25:07,760  
notably twain was found to have a cavity

612  
00:25:12,230 --> 00:25:09,600  
in his skull demonstrating a total

613  
00:25:13,990 --> 00:25:12,240

absence of humor

614

00:25:15,830 --> 00:25:14,000

twain returned several months later

615

00:25:17,990 --> 00:25:15,840

using his own name this time

616

00:25:19,750 --> 00:25:18,000

and was given a second reading that bore

617

00:25:21,909 --> 00:25:19,760

no resemblance to the first chart

618

00:25:22,870 --> 00:25:21,919

in fact the cavity had now become an

619

00:25:25,669 --> 00:25:22,880

enormous bump

620

00:25:27,190 --> 00:25:25,679

of humor the fowlers may have viewed

621

00:25:28,070 --> 00:25:27,200

phrenology as a form of popular

622

00:25:29,669 --> 00:25:28,080

entertainment

623

00:25:31,430 --> 00:25:29,679

and a great way to make themselves a lot

624

00:25:32,870 --> 00:25:31,440

of money but there were a number of

625

00:25:35,990 --> 00:25:32,880

scientists who took phrenology

626  
00:25:37,750 --> 00:25:36,000  
very seriously indeed so george mckenzie

627  
00:25:40,310 --> 00:25:37,760  
a fellow of the royal society

628  
00:25:41,830 --> 00:25:40,320  
was an early supporter of phrenology as

629  
00:25:44,230 --> 00:25:41,840  
were a number of medical doctors

630  
00:25:46,950 --> 00:25:44,240  
including an editor of the lancet

631  
00:25:47,510 --> 00:25:46,960  
alfred russell wallace an anthropologist

632  
00:25:49,110 --> 00:25:47,520  
and

633  
00:25:50,789 --> 00:25:49,120  
biologist whose work on natural

634  
00:25:52,230 --> 00:25:50,799  
selection was published alongside

635  
00:25:55,350 --> 00:25:52,240  
charles darwin's writings

636  
00:25:57,149 --> 00:25:55,360  
was a lifelong phrenologist admittedly

637  
00:26:01,350 --> 00:25:57,159  
wallace was also a spiritualist and

638  
00:26:05,669 --> 00:26:03,830

hewitt cottrell watson renowned botanist

639

00:26:08,390 --> 00:26:05,679

and another darwin collaborator

640

00:26:10,390 --> 00:26:08,400

edited the phrenological journal there's

641

00:26:11,110 --> 00:26:10,400

also darwin's polymouth cousin francis

642

00:26:12,710 --> 00:26:11,120

galton

643

00:26:16,630 --> 00:26:12,720

whose early interest in phrenology

644

00:26:19,590 --> 00:26:16,640

developed into a passion for eugenics

645

00:26:21,510 --> 00:26:19,600

however as early as 1843 phrenology had

646

00:26:23,909 --> 00:26:21,520

been labeled as pseudoscience

647

00:26:24,710 --> 00:26:23,919

in at least one medical textbook thomas

648

00:26:26,630 --> 00:26:24,720

sewell

649

00:26:28,470 --> 00:26:26,640

a professor of anatomy and physiology at

650

00:26:30,390 --> 00:26:28,480

washington's columbia college

651  
00:26:31,590 --> 00:26:30,400  
was also scathing about phrenology's

652  
00:26:34,549 --> 00:26:31,600  
claims

653  
00:26:36,549 --> 00:26:34,559  
stating in 1826 that his dissections of

654  
00:26:37,750 --> 00:26:36,559  
the brain had not shown any distinct

655  
00:26:39,350 --> 00:26:37,760  
organs within it

656  
00:26:43,390 --> 00:26:39,360  
and that the size of the brain was not

657  
00:26:46,630 --> 00:26:46,230  
neuroanatomists obviously studying the

658  
00:26:48,390 --> 00:26:46,640  
brain

659  
00:26:51,669 --> 00:26:48,400  
would later disprove some of surreal's

660  
00:26:53,430 --> 00:26:51,679  
conclusions but not for another 50 years

661  
00:26:55,350 --> 00:26:53,440  
interestingly many opponents of

662  
00:26:56,470 --> 00:26:55,360  
phrenology did not argue against it on

663  
00:26:58,310 --> 00:26:56,480

rational grounds

664

00:27:00,870 --> 00:26:58,320

but for religious and philosophical

665

00:27:01,510 --> 00:27:00,880

reasons they were deeply offended by the

666

00:27:04,070 --> 00:27:01,520

notion

667

00:27:05,269 --> 00:27:04,080

that an individual's mind or soul or

668

00:27:07,909 --> 00:27:05,279

moral character

669

00:27:09,830 --> 00:27:07,919

was governed by material organs whether

670

00:27:11,350 --> 00:27:09,840

in the brain or elsewhere

671

00:27:13,510 --> 00:27:11,360

it was especially annoying to them that

672

00:27:15,029 --> 00:27:13,520

phrenologists claim there was an organ

673

00:27:17,510 --> 00:27:15,039

of theology

674

00:27:19,269 --> 00:27:17,520

when religious face was clearly due to

675

00:27:21,669 --> 00:27:19,279

divine intervention

676  
00:27:23,750 --> 00:27:21,679  
yet phrenology or at least one branch of

677  
00:27:24,470 --> 00:27:23,760  
it prided itself on being not just a

678  
00:27:29,590 --> 00:27:24,480  
science

679  
00:27:31,909 --> 00:27:29,600  
developed his theory of faculties

680  
00:27:33,430 --> 00:27:31,919  
after studying the diseased brains of

681  
00:27:36,710 --> 00:27:33,440  
the inmates of prisons

682  
00:27:37,029 --> 00:27:36,720  
and asylums phrenology was used to argue

683  
00:27:40,149 --> 00:27:37,039  
for

684  
00:27:41,350 --> 00:27:40,159  
and against abolishing slavery extending

685  
00:27:43,510 --> 00:27:41,360  
the right to vote

686  
00:27:45,190 --> 00:27:43,520  
and restricting the sale of alcohol it

687  
00:27:46,710 --> 00:27:45,200  
was promoted through working-class

688  
00:27:48,389 --> 00:27:46,720

educational societies as a

689

00:27:50,230 --> 00:27:48,399

self-improvement tool

690

00:27:51,830 --> 00:27:50,240

it was taken up by the administrators of

691

00:27:53,590 --> 00:27:51,840

asylums and prisons

692

00:27:55,510 --> 00:27:53,600

it is not surprising then that

693

00:27:58,710 --> 00:27:55,520

phrenologists turned their gaze

694

00:28:01,430 --> 00:27:58,720

towards colonial australia

695

00:28:02,960 --> 00:28:01,440

a place where a lot of criminals and

696

00:28:09,830 --> 00:28:02,970

convicts were sent

697

00:28:12,870 --> 00:28:09,840

[Music]

698

00:28:14,789 --> 00:28:12,880

now that's part one of this article and

699

00:28:16,710 --> 00:28:14,799

in the next week we'll be looking at

700

00:28:20,549 --> 00:28:16,720

part two would be looking

701  
00:28:22,149 --> 00:28:20,559  
at criminal minds and phrenology

702  
00:28:24,070 --> 00:28:22,159  
and that's it's all in your head by

703  
00:28:26,230 --> 00:28:24,080  
michelle cooper from the skeptic

704  
00:28:33,380 --> 00:28:26,240  
december 2018

705  
00:29:24,830 --> 00:28:52,300  
[Music]

706  
00:29:24,840 --> 00:29:30,440  
ciao

707  
00:29:43,669 --> 00:29:39,670  
[Music]

708  
00:29:49,190 --> 00:29:46,389  
now we continue our reading of the

709  
00:29:53,029 --> 00:29:49,200  
investigation from 1950 into

710  
00:29:58,549 --> 00:29:53,039  
the unknown published in the sunday sun

711  
00:30:00,230 --> 00:29:58,559  
supplement in this case in october 1950

712  
00:30:03,990 --> 00:30:00,240  
this of course comes to us from the

713  
00:30:06,549 --> 00:30:04,000

archive at trove at trove.nla.gov dot au

714

00:30:09,190 --> 00:30:06,559

the searchable online resource of

715

00:30:13,550 --> 00:30:09,200

digitized australian newspapers journals

716

00:30:13,560 --> 00:30:16,870

[Music]

717

00:30:20,310 --> 00:30:18,470

what an adventure we've had over the

718

00:30:22,710 --> 00:30:20,320

past six weeks with the panel

719

00:30:24,310 --> 00:30:22,720

investigating spirit guides and healers

720

00:30:27,750 --> 00:30:24,320

and such like

721

00:30:29,510 --> 00:30:27,760

and even an australian mystic

722

00:30:31,669 --> 00:30:29,520

now if you remember last week the panel

723

00:30:34,470 --> 00:30:31,679

were investigating a healer

724

00:30:34,789 --> 00:30:34,480

by the name of jj thomas who seemed to

725

00:30:37,110 --> 00:30:34,799

be

726

00:30:39,790 --> 00:30:37,120

channeling a german doctor called dr

727

00:30:39,800 --> 00:30:45,590

[Music]

728

00:30:52,389 --> 00:30:48,950

and we'll pick up this story where dr

729

00:30:53,830 --> 00:30:52,399

robert says i'm going to operate on your

730

00:30:56,070 --> 00:30:53,840

solar plexus

731

00:30:58,389 --> 00:30:56,080

suddenly the medium looked up and said

732

00:30:58,710 --> 00:30:58,399

there was a lady among the watchers who

733

00:31:02,070 --> 00:30:58,720

had

734

00:31:03,750 --> 00:31:02,080

a corn or hard callus

735

00:31:05,750 --> 00:31:03,760

the guide told the members of the panel

736

00:31:09,590 --> 00:31:05,760

that their guests had

737

00:31:13,680 --> 00:31:09,600

already before they came they had been

738

00:31:16,789 --> 00:31:13,690

vetted and they had had a look at them

739

00:31:22,470 --> 00:31:19,909

there was only one dissenter among you

740

00:31:23,350 --> 00:31:22,480

and he is not here today does that

741

00:31:26,070 --> 00:31:23,360

surprise you

742

00:31:27,830 --> 00:31:26,080

this was presumed to be a reference to

743

00:31:31,430 --> 00:31:27,840

canon knight

744

00:31:34,789 --> 00:31:31,440

not present at this seance dr robert

745

00:31:38,789 --> 00:31:34,799

did you fall 23 or 24 years ago

746

00:31:40,950 --> 00:31:38,799

patient maybe i can't remember dr robert

747

00:31:42,149 --> 00:31:40,960

have you had a little trouble with the

748

00:31:45,669 --> 00:31:42,159

right eye

749

00:31:48,070 --> 00:31:45,679

patient yes quite right dr robert

750

00:31:49,110 --> 00:31:48,080

you are going to have a very pleasant

751  
00:31:52,310 --> 00:31:49,120  
surprise

752  
00:31:52,870 --> 00:31:52,320  
no operation in a very short space of

753  
00:31:55,269 --> 00:31:52,880  
time

754  
00:31:55,909 --> 00:31:55,279  
you will feel a different man you will

755  
00:32:04,549 --> 00:31:55,919  
get

756  
00:32:05,909 --> 00:32:04,559  
and thank god the third patient a

757  
00:32:09,029 --> 00:32:05,919  
well-known surgeon

758  
00:32:11,669 --> 00:32:09,039  
was conducted to the table guide

759  
00:32:12,630 --> 00:32:11,679  
i think we have very much in common you

760  
00:32:16,070 --> 00:32:12,640  
and i

761  
00:32:17,990 --> 00:32:16,080  
that is getting rid of suffering

762  
00:32:19,830 --> 00:32:18,000  
he removed a slipper from the doctor's

763  
00:32:22,470 --> 00:32:19,840

foot and massaged it

764

00:32:22,870 --> 00:32:22,480

the patient observed i couldn't have let

765

00:32:26,389 --> 00:32:22,880

you

766

00:32:29,509 --> 00:32:26,399

do that to me a few days ago dr robert

767

00:32:32,870 --> 00:32:29,519

if i were on the earth

768

00:32:33,669 --> 00:32:32,880

i should say that this was the result of

769

00:32:36,630 --> 00:32:33,679

wine

770

00:32:38,070 --> 00:32:36,640

we'll put a nice little injection there

771

00:32:41,190 --> 00:32:38,080

it gets well

772

00:32:42,389 --> 00:32:41,200

the pain goes from the knee right down

773

00:32:45,190 --> 00:32:42,399

to the toe

774

00:32:46,389 --> 00:32:45,200

this is from one doctor to another huh i

775

00:32:49,350 --> 00:32:46,399

think you have been

776

00:32:50,070 --> 00:32:49,360

a scallywag when i have finished with

777

00:32:53,190 --> 00:32:50,080

you

778

00:32:55,750 --> 00:32:53,200

walked in

779

00:32:56,789 --> 00:32:55,760

i'm a very lively spirit when i get into

780

00:32:59,990 --> 00:32:56,799

a man's body

781

00:33:03,590 --> 00:33:00,000

a pain in the head also in

782

00:33:06,470 --> 00:33:03,600

the back many times you have treated

783

00:33:07,830 --> 00:33:06,480

your people and you feel very tired and

784

00:33:10,710 --> 00:33:07,840

sick afterwards

785

00:33:11,669 --> 00:33:10,720

patient naturally most people do after

786

00:33:14,789 --> 00:33:11,679

working hard

787

00:33:17,269 --> 00:33:14,799

dr robert that is the law that operates

788

00:33:18,950 --> 00:33:17,279

if you have a healthy body and someone

789

00:33:22,149 --> 00:33:18,960

near you is sick

790

00:33:24,549 --> 00:33:22,159

they sap your strength here dr

791

00:33:26,710 --> 00:33:24,559

bendent interjected surely that can be

792

00:33:29,750 --> 00:33:26,720

stopped if you know it's happening

793

00:33:30,230 --> 00:33:29,760

guide it cannot be stopped there is a

794

00:33:32,149 --> 00:33:30,240

reason

795

00:33:34,230 --> 00:33:32,159

people say the young should not sleep

796

00:33:36,070 --> 00:33:34,240

with the very old there are many spirit

797

00:33:39,110 --> 00:33:36,080

people here also

798

00:33:39,990 --> 00:33:39,120

they come to learn we have to help them

799

00:33:42,630 --> 00:33:40,000

too

800

00:33:43,430 --> 00:33:42,640

we have 25 spirit doctors working on

801  
00:33:46,070 --> 00:33:43,440  
this one

802  
00:33:47,750 --> 00:33:46,080  
there are also students nurses helpers

803  
00:33:48,549 --> 00:33:47,760  
massage bearers and hundreds of

804  
00:33:51,110 --> 00:33:48,559  
thousands of

805  
00:33:52,389 --> 00:33:51,120  
spirits helping i just report what i am

806  
00:33:55,350 --> 00:33:52,399  
able to see

807  
00:33:57,350 --> 00:33:55,360  
to you people every one of you people

808  
00:33:59,669 --> 00:33:57,360  
here will go away feeling stronger

809  
00:34:00,470 --> 00:33:59,679  
than when you came in you bring your

810  
00:34:02,710 --> 00:34:00,480  
victims

811  
00:34:03,830 --> 00:34:02,720  
we do our best to heal them i don't

812  
00:34:06,710 --> 00:34:03,840  
think i have missed

813  
00:34:09,190 --> 00:34:06,720

anything with the two men i have helped

814

00:34:13,030 --> 00:34:09,200

both the preceding patients agreed

815

00:34:15,909 --> 00:34:13,040

guide spirit help is here for everyone

816

00:34:17,030 --> 00:34:15,919

we are not here to decry your medical

817

00:34:20,069 --> 00:34:17,040

profession

818

00:34:23,190 --> 00:34:20,079

we are only here to help to the patient

819

00:34:24,710 --> 00:34:23,200

if your time had come i would not say i

820

00:34:27,589 --> 00:34:24,720

will get you well

821

00:34:29,430 --> 00:34:27,599

i would only relieve you but i know you

822

00:34:32,550 --> 00:34:29,440

have a long way to go

823

00:34:33,109 --> 00:34:32,560

you have achieved something you have a

824

00:34:36,950 --> 00:34:33,119

favorite

825

00:34:39,750 --> 00:34:36,960

chair the patient said that was true

826

00:34:40,710 --> 00:34:39,760

one day you will wake up in it and find

827

00:34:43,909 --> 00:34:40,720

yourself

828

00:34:46,790 --> 00:34:43,919

dead life goes on always just like

829

00:34:48,790 --> 00:34:46,800

taking an old coat off and putting on a

830

00:34:51,510 --> 00:34:48,800

new one this is your

831

00:34:51,990 --> 00:34:51,520

preliminary training because we do not

832

00:34:55,510 --> 00:34:52,000

talk

833

00:34:58,310 --> 00:34:55,520

in the spirit world we only think

834

00:34:59,829 --> 00:34:58,320

each one of you carries a color which

835

00:35:02,390 --> 00:34:59,839

shines before you

836

00:35:03,349 --> 00:35:02,400

you cannot talk with your tongue in your

837

00:35:07,270 --> 00:35:03,359

cheek

838

00:35:11,109 --> 00:35:07,280

you will be known for yourself there

839

00:35:15,270 --> 00:35:11,119

dr benden do you stay there forever

840

00:35:18,630 --> 00:35:15,280

guide ben ali pasha who comes with me

841

00:35:20,390 --> 00:35:18,640

a persian has been here for two thousand

842

00:35:23,910 --> 00:35:20,400

of your earth years

843

00:35:24,790 --> 00:35:23,920

and i have been dead for fifty four

844

00:35:28,230 --> 00:35:24,800

years

845

00:35:31,430 --> 00:35:28,240

i came back under the non diplom of dr

846

00:35:35,190 --> 00:35:31,440

robert it means nothing it just suits

847

00:35:36,150 --> 00:35:35,200

the purpose think deeply if anyone says

848

00:35:39,670 --> 00:35:36,160

they are

849

00:35:40,710 --> 00:35:39,680

an egyptian princess thomas turned to

850

00:35:42,630 --> 00:35:40,720

the patient

851  
00:35:45,030 --> 00:35:42,640  
i'm going to say to you if your foot

852  
00:35:48,630 --> 00:35:45,040  
gets well i shall be a very good doctor

853  
00:35:51,190 --> 00:35:48,640  
may alpha videzen peace

854  
00:35:53,270 --> 00:35:51,200  
be in your heart the following was

855  
00:35:54,069 --> 00:35:53,280  
prepared by the second patient mr

856  
00:35:56,829 --> 00:35:54,079  
nicholson

857  
00:35:58,069 --> 00:35:56,839  
after returning home on the night of his

858  
00:36:01,190 --> 00:35:58,079  
treatment

859  
00:36:04,550 --> 00:36:01,200  
diagnosis duodenal correct

860  
00:36:04,950 --> 00:36:04,560  
excessive eye watering correct excessive

861  
00:36:08,630 --> 00:36:04,960  
mouth

862  
00:36:12,310 --> 00:36:08,640  
saliva correct severe chest illness

863  
00:36:15,270 --> 00:36:12,320

correct double pneumonia when a child

864

00:36:16,390 --> 00:36:15,280

right foot weakness correct cause of

865

00:36:19,829 --> 00:36:16,400

duodenal

866

00:36:22,390 --> 00:36:19,839

given as 20 years or so back due to

867

00:36:23,670 --> 00:36:22,400

nervous shock this i have traced back to

868

00:36:25,510 --> 00:36:23,680

21 years ago

869

00:36:27,510 --> 00:36:25,520

when my wife was suddenly taken to

870

00:36:31,109 --> 00:36:27,520

hospital for an emergency operation

871

00:36:32,470 --> 00:36:31,119

for appendicitis at this time i was ill

872

00:36:35,190 --> 00:36:32,480

with nervous strain

873

00:36:35,589 --> 00:36:35,200

this links up with the appendix trouble

874

00:36:37,910 --> 00:36:35,599

which

875

00:36:39,990 --> 00:36:37,920

the medium mentioned he correctly

876

00:36:43,270 --> 00:36:40,000

diagnosed the left leg and head

877

00:36:44,310 --> 00:36:43,280

trouble of my wife who was not present

878

00:36:46,310 --> 00:36:44,320

at the circle

879

00:36:47,589 --> 00:36:46,320

i should like to place on record that at

880

00:36:50,550 --> 00:36:47,599

the exact time

881

00:36:51,510 --> 00:36:50,560

this last diagnosis was made my wife was

882

00:36:55,270 --> 00:36:51,520

in pain

883

00:36:57,910 --> 00:36:55,280

and had remarked i wish that man

884

00:36:58,710 --> 00:36:57,920

could cure me this seems a strange

885

00:37:02,630 --> 00:36:58,720

coincidence

886

00:37:04,950 --> 00:37:02,640

as mr thomas had said at about this time

887

00:37:06,069 --> 00:37:04,960

that he had received a message regarding

888

00:37:09,510 --> 00:37:06,079

my wife

889

00:37:13,190 --> 00:37:09,520

and the next segment says panel's report

890

00:37:15,750 --> 00:37:13,200

dr bendent technique much like that of

891

00:37:17,270 --> 00:37:15,760

other mediums both in guessing and

892

00:37:19,990 --> 00:37:17,280

eliciting information

893

00:37:21,990 --> 00:37:20,000

there seems to be a hit or mis-element

894

00:37:24,390 --> 00:37:22,000

of paranormal diagnosis

895

00:37:25,109 --> 00:37:24,400

a hernia was entirely missed on one

896

00:37:28,310 --> 00:37:25,119

patient

897

00:37:31,349 --> 00:37:28,320

while symptoms were attributed to him

898

00:37:32,950 --> 00:37:31,359

which he had not got and in one case

899

00:37:35,109 --> 00:37:32,960

which were not his

900

00:37:36,230 --> 00:37:35,119

but his wife's results entirely

901  
00:37:38,630 --> 00:37:36,240  
inconclusive

902  
00:37:39,430 --> 00:37:38,640  
no evidence to confirm either claims

903  
00:37:42,150 --> 00:37:39,440  
made

904  
00:37:43,270 --> 00:37:42,160  
or the spiritualist hypothesis mrs

905  
00:37:46,310 --> 00:37:43,280  
haldane

906  
00:37:48,230 --> 00:37:46,320  
mr thomas in his normal state has a kind

907  
00:37:51,510 --> 00:37:48,240  
and humorous personality

908  
00:37:52,710 --> 00:37:51,520  
he undoubtedly is acutely sensitive to

909  
00:37:55,990 --> 00:37:52,720  
human suffering

910  
00:37:59,190 --> 00:37:56,000  
and has a sincere desire to help to

911  
00:38:00,470 --> 00:37:59,200  
alleviate it he also appears to have

912  
00:38:03,510 --> 00:38:00,480  
considerable

913  
00:38:06,470 --> 00:38:03,520

mesmeric charms and very powerful

914

00:38:07,750 --> 00:38:06,480

sensitive hands i am not competent to

915

00:38:11,270 --> 00:38:07,760

speaking about his

916

00:38:12,310 --> 00:38:11,280

medical qualifications mr thomas was out

917

00:38:14,470 --> 00:38:12,320

of the room for

918

00:38:15,430 --> 00:38:14,480

at least 10 minutes before the seance

919

00:38:17,670 --> 00:38:15,440

began

920

00:38:20,230 --> 00:38:17,680

the two patients were also in another

921

00:38:22,550 --> 00:38:20,240

room i cannot say therefore

922

00:38:24,710 --> 00:38:22,560

with any certainty whether or not he had

923

00:38:25,670 --> 00:38:24,720

any opportunity of discovering their

924

00:38:28,790 --> 00:38:25,680

symptoms

925

00:38:31,190 --> 00:38:28,800

before the doctor did

926  
00:38:32,310 --> 00:38:31,200  
one cannot rule out the possibility that

927  
00:38:35,670 --> 00:38:32,320  
he could have had

928  
00:38:39,109 --> 00:38:35,680  
done so either by telepathy

929  
00:38:41,589 --> 00:38:39,119  
or clairvoyance I a g strong

930  
00:38:42,310 --> 00:38:41,599  
this session showed that mr thomas

931  
00:38:44,550 --> 00:38:42,320  
possesses

932  
00:38:45,750 --> 00:38:44,560  
undoubted gifts of paranormal

933  
00:38:48,710 --> 00:38:45,760  
sensitivity

934  
00:38:49,030 --> 00:38:48,720  
his claim is that he is controlled by

935  
00:38:52,069 --> 00:38:49,040  
the

936  
00:38:53,589 --> 00:38:52,079  
spirit of a dead german doctor who

937  
00:38:56,950 --> 00:38:53,599  
returns under the pseudonym

938  
00:38:59,190 --> 00:38:56,960

of dr robert in the experiment mr thomas

939

00:39:00,069 --> 00:38:59,200

examined two patients brought by a

940

00:39:02,310 --> 00:39:00,079

doctor

941

00:39:03,190 --> 00:39:02,320

who knew their medical history

942

00:39:05,990 --> 00:39:03,200

apparently

943

00:39:07,349 --> 00:39:06,000

in a light trance he passes his hands

944

00:39:09,750 --> 00:39:07,359

over the first of these

945

00:39:10,790 --> 00:39:09,760

who was lying more or less relaxed upon

946

00:39:12,829 --> 00:39:10,800

a couch

947

00:39:15,670 --> 00:39:12,839

and proceeded to describe with great

948

00:39:16,470 --> 00:39:15,680

accuracy the symptoms which the patient

949

00:39:19,670 --> 00:39:16,480

felt

950

00:39:23,430 --> 00:39:19,680

together with those which he had

951  
00:39:24,310 --> 00:39:23,440  
felt in the past such as a severe dental

952  
00:39:27,030 --> 00:39:24,320  
abscess

953  
00:39:28,950 --> 00:39:27,040  
many years before this enumeration

954  
00:39:31,910 --> 00:39:28,960  
confirmed by the patient

955  
00:39:32,390 --> 00:39:31,920  
was highly impressive including as it

956  
00:39:35,030 --> 00:39:32,400  
did

957  
00:39:36,390 --> 00:39:35,040  
some very trivial symptoms with the

958  
00:39:39,589 --> 00:39:36,400  
second patient

959  
00:39:41,750 --> 00:39:39,599  
the medium began successfully

960  
00:39:43,109 --> 00:39:41,760  
then wandered off into apparent

961  
00:39:45,910 --> 00:39:43,119  
inaccuracies

962  
00:39:47,270 --> 00:39:45,920  
this was accounted for by saying that he

963  
00:39:50,069 --> 00:39:47,280

was picking up

964

00:39:51,349 --> 00:39:50,079

sensations from the patient's wife the

965

00:39:54,150 --> 00:39:51,359

patient confirmed

966

00:39:55,589 --> 00:39:54,160

the account of these and even more

967

00:39:58,390 --> 00:39:55,599

dramatic confirmation

968

00:39:58,870 --> 00:39:58,400

i am told was obtained later when the

969

00:40:01,510 --> 00:39:58,880

wife

970

00:40:02,470 --> 00:40:01,520

testified that at that hour she had been

971

00:40:05,670 --> 00:40:02,480

in pain

972

00:40:08,069 --> 00:40:05,680

and had wished fervently that she

973

00:40:09,190 --> 00:40:08,079

were being treated instead of her

974

00:40:12,230 --> 00:40:09,200

husband

975

00:40:15,670 --> 00:40:12,240

he possesses highly magnetic hands

976  
00:40:18,630 --> 00:40:15,680  
and there is no doubt on the evidence

977  
00:40:19,750 --> 00:40:18,640  
before us that he can sympathetically

978  
00:40:22,790 --> 00:40:19,760  
perceive

979  
00:40:26,150 --> 00:40:22,800  
what his patients are feeling and have

980  
00:40:26,870 --> 00:40:26,160  
felt in the way of symptoms but many

981  
00:40:29,910 --> 00:40:26,880  
manual

982  
00:40:33,589 --> 00:40:29,920  
practitioners massers and others

983  
00:40:35,990 --> 00:40:33,599  
can do this who do not lay claim

984  
00:40:36,870 --> 00:40:36,000  
to spirit control had i been competent

985  
00:40:39,190 --> 00:40:36,880  
to do so

986  
00:40:41,349 --> 00:40:39,200  
i would have addressed dr robert in

987  
00:40:43,270 --> 00:40:41,359  
german and would not have been surprised

988  
00:40:46,069 --> 00:40:43,280

if he did not understand me

989

00:40:48,870 --> 00:40:46,079

this is in no way to impinge his honesty

990

00:40:51,670 --> 00:40:48,880

or to dispute his remarkable powers

991

00:40:51,990 --> 00:40:51,680

harley street surgeon mr thomas appeared

992

00:40:55,349 --> 00:40:52,000

to go

993

00:40:56,630 --> 00:40:55,359

into a trance in which he said he was

994

00:40:59,270 --> 00:40:56,640

controlled by a

995

00:40:59,670 --> 00:40:59,280

unknown doctor from the spirit world

996

00:41:02,790 --> 00:40:59,680

called

997

00:41:03,190 --> 00:41:02,800

dr robert but there was no evidence of

998

00:41:06,470 --> 00:41:03,200

this

999

00:41:08,870 --> 00:41:06,480

other than that he said so

1000

00:41:09,589 --> 00:41:08,880

he treated a number of patients as each

1001  
00:41:12,230 --> 00:41:09,599  
one came

1002  
00:41:13,670 --> 00:41:12,240  
up he was put on a couch mr thomas did

1003  
00:41:15,430 --> 00:41:13,680  
not elicit any

1004  
00:41:17,190 --> 00:41:15,440  
history of their diseases from the

1005  
00:41:19,910 --> 00:41:17,200  
patients on the contrary

1006  
00:41:21,109 --> 00:41:19,920  
he told them that they had such and such

1007  
00:41:24,069 --> 00:41:21,119  
symptoms

1008  
00:41:26,630 --> 00:41:24,079  
he did not give any of them much time to

1009  
00:41:29,109 --> 00:41:26,640  
say whether this was the case or not

1010  
00:41:30,150 --> 00:41:29,119  
and even if they had wished to they

1011  
00:41:31,750 --> 00:41:30,160  
might have been too

1012  
00:41:33,349 --> 00:41:31,760  
scared in the presence of a large

1013  
00:41:35,430 --> 00:41:33,359

audience to contradict him

1014

00:41:37,750 --> 00:41:35,440

he went through a series of motions

1015

00:41:39,589 --> 00:41:37,760

which could be described as a caricature

1016

00:41:40,790 --> 00:41:39,599

of those which a surgeon might make in

1017

00:41:43,829 --> 00:41:40,800

operating

1018

00:41:46,950 --> 00:41:43,839

he was a very good showman

1019

00:41:49,030 --> 00:41:46,960

with a strong personality so that he

1020

00:41:50,309 --> 00:41:49,040

exerted a considerable force of

1021

00:41:53,270 --> 00:41:50,319

suggestion

1022

00:41:53,829 --> 00:41:53,280

i think it likely that in cases where

1023

00:41:57,589 --> 00:41:53,839

there was

1024

00:42:00,870 --> 00:41:57,599

an element of neurosis he might affect

1025

00:42:04,069 --> 00:42:00,880

improvement or even a cure

1026  
00:42:05,109 --> 00:42:04,079  
but i doubt if he could do anything for

1027  
00:42:07,940 --> 00:42:05,119  
an organic

1028  
00:42:13,190 --> 00:42:10,790  
[Music]

1029  
00:42:15,030 --> 00:42:13,200  
and that brings an end to that segment

1030  
00:42:18,230 --> 00:42:15,040  
of the report where the panel

1031  
00:42:21,910 --> 00:42:18,240  
investigates a couple of healers

1032  
00:42:23,510 --> 00:42:21,920  
psychic spiritual healers and next week

1033  
00:42:30,150 --> 00:42:23,520  
join us where

1034  
00:42:32,390 --> 00:42:30,160  
the panel sum up

1035  
00:42:33,349 --> 00:42:32,400  
into the unknown and to whet your

1036  
00:42:35,910 --> 00:42:33,359  
appetite

1037  
00:42:37,910 --> 00:42:35,920  
the investigation into spiritualism by a

1038  
00:42:41,270 --> 00:42:37,920

panel of independent experts

1039

00:42:43,349 --> 00:42:41,280

was completed in late 1949.

1040

00:42:45,349 --> 00:42:43,359

after their investigation members of the

1041

00:42:47,589 --> 00:42:45,359

investigating panel were invited to

1042

00:42:49,589 --> 00:42:47,599

write an account of their experiences

1043

00:42:53,190 --> 00:42:49,599

extracts from these accounts are

1044

00:43:00,069 --> 00:42:58,230

so we'll pick that story up next week

1045

00:43:01,750 --> 00:43:00,079

and that was into the unknown the

1046

00:43:04,150 --> 00:43:01,760

continuing story of a panel's

1047

00:43:06,550 --> 00:43:04,160

investigation into psychic powers

1048

00:43:07,270 --> 00:43:06,560

healing and spiritualism so forth

1049

00:43:10,069 --> 00:43:07,280

published

1050

00:43:11,990 --> 00:43:10,079

way back in october 1950 and don't

1051  
00:43:15,720 --> 00:43:12,000  
forget you too can

1052  
00:43:17,150 --> 00:43:15,730  
peruse the pages of the archive at trove

1053  
00:43:20,390 --> 00:43:17,160  
[Music]

1054  
00:43:22,790 --> 00:43:20,400  
trove.nla.gov dot a u

1055  
00:43:24,550 --> 00:43:22,800  
and as i've said over the weeks in

1056  
00:43:27,589 --> 00:43:24,560  
reading these reports

1057  
00:43:28,710 --> 00:43:27,599  
it's remarkable how little has changed

1058  
00:43:30,630 --> 00:43:28,720  
in some ways

1059  
00:43:31,829 --> 00:43:30,640  
when it comes to these sort of psychic

1060  
00:43:34,950 --> 00:43:31,839  
sessions and psychic

1061  
00:43:35,670 --> 00:43:34,960  
readings and so on and what i can glean

1062  
00:43:39,589 --> 00:43:35,680  
from this

1063  
00:43:42,309 --> 00:43:39,599

is much of this is the same stock

1064

00:43:44,150 --> 00:43:42,319

standard cold reading techniques we've

1065

00:43:45,990 --> 00:43:44,160

seen for decades

1066

00:43:47,349 --> 00:43:46,000

it's certainly interesting to read how

1067

00:43:50,630 --> 00:43:47,359

some of the panel

1068

00:43:58,550 --> 00:43:50,640

were convinced already that

1069

00:43:58,560 --> 00:44:08,870

[Music]

1070

00:44:12,230 --> 00:44:10,870

g'day this is dr karl karl krishninsky

1071

00:44:13,109 --> 00:44:12,240

proud to be a skeptic and you can find

1072

00:44:15,510 --> 00:44:13,119

out more about me

1073

00:44:23,690 --> 00:44:15,520

at drcarl.com and get lots of free stuff

1074

00:44:34,829 --> 00:44:23,700

there as well

1075

00:44:36,280 --> 00:44:34,839

[Music]

1076  
00:44:40,470 --> 00:44:36,290  
so

1077  
00:44:41,750 --> 00:44:40,480  
[Music]

1078  
00:44:43,750 --> 00:44:41,760  
let's have a look at the latest

1079  
00:44:46,309 --> 00:44:43,760  
newsletter from the australian skeptics

1080  
00:44:54,710 --> 00:44:46,319  
newsletter number 116

1081  
00:45:00,309 --> 00:44:58,309  
hi all the avn bans itself while the vic

1082  
00:45:03,430 --> 00:45:00,319  
government bans gay conversion

1083  
00:45:04,470 --> 00:45:03,440  
therapy others want dr oz banned from a

1084  
00:45:06,550 --> 00:45:04,480  
quiz program

1085  
00:45:07,910 --> 00:45:06,560  
and the brisbane group has been sort of

1086  
00:45:11,510 --> 00:45:07,920  
banned from

1087  
00:45:11,910 --> 00:45:11,520  
running cemetery history tours in favor

1088  
00:45:15,030 --> 00:45:11,920

of

1089

00:45:18,069 --> 00:45:15,040

one running ghost tours let's all

1090

00:45:20,710 --> 00:45:18,079

join the band hahaha

1091

00:45:23,030 --> 00:45:20,720

and here's some news items why the avn

1092

00:45:24,790 --> 00:45:23,040

that's the australian vaccination

1093

00:45:26,630 --> 00:45:24,800

risks network or whatever they're

1094

00:45:30,150 --> 00:45:26,640

calling themselves these days

1095

00:45:32,069 --> 00:45:30,160

why the avn supposedly quit facebook

1096

00:45:33,670 --> 00:45:32,079

a great article from losing the lucky

1097

00:45:36,870 --> 00:45:33,680

country a site worth

1098

00:45:40,309 --> 00:45:36,880

following the avn folk believe we should

1099

00:45:42,950 --> 00:45:40,319

think they're badass

1100

00:45:43,430 --> 00:45:42,960

and are disappointed when no one bans

1101  
00:45:49,910 --> 00:45:43,440  
them

1102  
00:45:53,589 --> 00:45:49,920  
cancer council must cancer cure myths

1103  
00:45:56,069 --> 00:45:53,599  
a survey of 1 000 australians shows that

1104  
00:45:57,670 --> 00:45:56,079  
common cancer myths are rife amongst

1105  
00:46:00,470 --> 00:45:57,680  
australians

1106  
00:46:02,870 --> 00:46:00,480  
2 in 3 or sixty seven percent of

1107  
00:46:04,390 --> 00:46:02,880  
australians agree that animals can sniff

1108  
00:46:07,589 --> 00:46:04,400  
out cancer

1109  
00:46:09,750 --> 00:46:07,599  
two in five forty percent of australians

1110  
00:46:11,430 --> 00:46:09,760  
believe that alternative therapies can

1111  
00:46:14,710 --> 00:46:11,440  
cure cancer

1112  
00:46:17,270 --> 00:46:14,720  
nearly half 46 believe sunscreen

1113  
00:46:18,710 --> 00:46:17,280

contains chemicals that are bad for you

1114

00:46:20,710 --> 00:46:18,720

eight percent of australians don't

1115

00:46:22,390 --> 00:46:20,720

realize you can get skin cancer even if

1116

00:46:24,470 --> 00:46:22,400

you don't burn

1117

00:46:25,990 --> 00:46:24,480

megan vallo director of the cancer

1118

00:46:29,109 --> 00:46:26,000

control policy and

1119

00:46:31,030 --> 00:46:29,119

cancer council australia says that

1120

00:46:32,710 --> 00:46:31,040

quote people affected by cancer are

1121

00:46:34,550 --> 00:46:32,720

particularly vulnerable

1122

00:46:36,630 --> 00:46:34,560

and we know that misinformation in

1123

00:46:39,030 --> 00:46:36,640

cancer is rife

1124

00:46:41,349 --> 00:46:39,040

this is in part due to people looking to

1125

00:46:44,069 --> 00:46:41,359

sell products or miracle cures

1126  
00:46:45,750 --> 00:46:44,079  
but also to misinformation filtering

1127  
00:46:47,589 --> 00:46:45,760  
into the public sphere

1128  
00:46:48,950 --> 00:46:47,599  
through unchecked sources like social

1129  
00:46:52,309 --> 00:46:48,960  
media and

1130  
00:46:55,030 --> 00:46:52,319  
the internet isn't social media just the

1131  
00:46:58,790 --> 00:46:55,040  
internet is social media something else

1132  
00:47:01,829 --> 00:46:58,800  
i'm not sure other news items here

1133  
00:47:02,870 --> 00:47:01,839  
fluidization debate revival in port

1134  
00:47:05,030 --> 00:47:02,880  
macquarie prompts

1135  
00:47:07,190 --> 00:47:05,040  
state government warning the new south

1136  
00:47:09,910 --> 00:47:07,200  
wales minister for local government

1137  
00:47:11,589 --> 00:47:09,920  
has warned local councils to be careful

1138  
00:47:13,510 --> 00:47:11,599

with taxpayers money

1139

00:47:15,990 --> 00:47:13,520

after the port macquarie hastings

1140

00:47:18,870 --> 00:47:16,000

council accepted plans

1141

00:47:21,990 --> 00:47:18,880

to ask voters if fluoride should be

1142

00:47:25,349 --> 00:47:22,000

removed from the town's water supply

1143

00:47:27,750 --> 00:47:25,359

the 60 000 poll

1144

00:47:29,109 --> 00:47:27,760

is set to be held at the same time as

1145

00:47:32,309 --> 00:47:29,119

september's local

1146

00:47:34,549 --> 00:47:32,319

government elections fluoride in the

1147

00:47:36,710 --> 00:47:34,559

water is mandatory by new south wales

1148

00:47:39,589 --> 00:47:36,720

health across the state

1149

00:47:40,790 --> 00:47:39,599

cia file on russian esp experiments

1150

00:47:43,109 --> 00:47:40,800

released

1151  
00:47:44,150 --> 00:47:43,119  
didn't we already know that they were

1152  
00:47:47,510 --> 00:47:44,160  
looking at this

1153  
00:47:50,470 --> 00:47:47,520  
well now it's official move along

1154  
00:47:51,990 --> 00:47:50,480  
nothing to see here these aren't the

1155  
00:47:53,430 --> 00:47:52,000  
droids you're looking for

1156  
00:47:56,710 --> 00:47:53,440  
[Music]

1157  
00:47:59,510 --> 00:47:56,720  
western australia gold diviner says

1158  
00:48:00,230 --> 00:47:59,520  
99 out of 100 people are skeptical of

1159  
00:48:03,910 --> 00:48:00,240  
the bush

1160  
00:48:06,150 --> 00:48:03,920  
art 84 year old bob biggs

1161  
00:48:07,030 --> 00:48:06,160  
began divining for water almost 50 years

1162  
00:48:09,829 --> 00:48:07,040  
ago

1163  
00:48:10,870 --> 00:48:09,839

after reading books on the subject he

1164

00:48:13,990 --> 00:48:10,880

readily admits

1165

00:48:16,710 --> 00:48:14,000

that quote 99 out of 100

1166

00:48:17,270 --> 00:48:16,720

end quote people are skeptics who brush

1167

00:48:20,710 --> 00:48:17,280

off the

1168

00:48:23,750 --> 00:48:20,720

bush art as a parlor trick quote

1169

00:48:27,349 --> 00:48:23,760

when i tell people i divine for gold

1170

00:48:29,750 --> 00:48:27,359

they say it doesn't work i just let them

1171

00:48:32,230 --> 00:48:29,760

go on their way if that's their attitude

1172

00:48:34,069 --> 00:48:32,240

that's their bad luck end quote

1173

00:48:37,349 --> 00:48:34,079

nevertheless skeptics

1174

00:48:40,549 --> 00:48:37,359

i.e yours truly are quoted

1175

00:48:43,030 --> 00:48:40,559

as thinking they're nice people

1176

00:48:44,950 --> 00:48:43,040

and don't forget every item i read out

1177

00:48:46,470 --> 00:48:44,960

is accompanied by the link to the full

1178

00:48:48,630 --> 00:48:46,480

story

1179

00:48:51,030 --> 00:48:48,640

the next item says the problem with dr

1180

00:48:54,230 --> 00:48:51,040

oz guest hosting jeopardy

1181

00:48:56,150 --> 00:48:54,240

the american jeopardy tv quiz show

1182

00:48:57,750 --> 00:48:56,160

has always been a problem for us the

1183

00:49:00,790 --> 00:48:57,760

concept that you provide

1184

00:49:02,630 --> 00:49:00,800

questions to answers is strange enough

1185

00:49:03,990 --> 00:49:02,640

but the show has the charisma and

1186

00:49:07,349 --> 00:49:04,000

tension of

1187

00:49:09,670 --> 00:49:07,359

a used rubber band in a bowl of porridge

1188

00:49:10,630 --> 00:49:09,680

oh i don't know tim it's not that bad

1189

00:49:13,829 --> 00:49:10,640

anyway

1190

00:49:17,030 --> 00:49:13,839

still having dr oz on hand seems

1191

00:49:21,349 --> 00:49:17,040

strangely logical answer

1192

00:49:24,950 --> 00:49:21,359

dr oz question what is pseudoscience

1193

00:49:27,990 --> 00:49:24,960

apparently there is a bit of a kerfuffle

1194

00:49:31,109 --> 00:49:28,000

over the inclusion of the purveyor of so

1195

00:49:34,710 --> 00:49:31,119

much wu in what is supposed to be

1196

00:49:35,990 --> 00:49:34,720

a program about facts history replaced

1197

00:49:39,030 --> 00:49:36,000

by ghosts

1198

00:49:41,990 --> 00:49:39,040

the friends of south brisbane cemetery

1199

00:49:44,309 --> 00:49:42,000

have been running historical tours of

1200

00:49:45,030 --> 00:49:44,319

duwong cemetery in brisbane for some

1201  
00:49:47,910 --> 00:49:45,040  
time

1202  
00:49:48,790 --> 00:49:47,920  
the brisbane council has now decided to

1203  
00:49:52,390 --> 00:49:48,800  
oust them

1204  
00:49:53,430 --> 00:49:52,400  
in favor of ghost tours express your

1205  
00:49:56,710 --> 00:49:53,440  
concerns

1206  
00:49:57,990 --> 00:49:56,720  
on the friends of the south brisbane

1207  
00:50:01,510 --> 00:49:58,000  
cemetery facebook

1208  
00:50:03,510 --> 00:50:01,520  
page and the newsletter lists

1209  
00:50:05,510 --> 00:50:03,520  
a series of upcoming events including

1210  
00:50:06,549 --> 00:50:05,520  
for the queensland skeptics the canberra

1211  
00:50:12,150 --> 00:50:06,559  
skeptics

1212  
00:50:15,190 --> 00:50:12,160  
around the country including perth

1213  
00:50:17,670 --> 00:50:15,200

gold coast adelaide and we have

1214

00:50:19,829 --> 00:50:17,680

such gems as the 10 best supernatural

1215

00:50:22,790 --> 00:50:19,839

occurrences caught on camera

1216

00:50:24,390 --> 00:50:22,800

10 retro supernatural tv shows like the

1217

00:50:27,750 --> 00:50:24,400

x-files and so on

1218

00:50:29,750 --> 00:50:27,760

and the 10 best bigfoot movies

1219

00:50:31,870 --> 00:50:29,760

all that and much more in the australian

1220

00:50:33,349 --> 00:50:31,880

skeptics newsletter newsletter number

1221

00:50:35,270 --> 00:50:33,359

116

1222

00:50:38,069 --> 00:50:35,280

and if you want to sign up and have that

1223

00:50:38,790 --> 00:50:38,079

newsletter delivered to your inbox every

1224

00:50:55,730 --> 00:50:38,800

other week

1225

00:50:57,589 --> 00:50:55,740

just go to [www.skeptics.com](http://www.skeptics.com)

1226

00:50:59,430 --> 00:50:57,599

[Applause]

1227

00:51:01,670 --> 00:50:59,440

thank you for listening to the skeptic

1228

00:51:03,750 --> 00:51:01,680

zone now here's a note from our friends

1229

00:51:04,069 --> 00:51:03,760

in canberra the canberra skeptics about

1230

00:51:07,109 --> 00:51:04,079

some

1231

00:51:09,349 --> 00:51:07,119

upcoming presentations canberra skeptics

1232

00:51:12,710 --> 00:51:09,359

proudly presents

1233

00:51:15,589 --> 00:51:12,720

nuking the moon hmm that sounds serious

1234

00:51:16,630 --> 00:51:15,599

an interview with dr vince horton and

1235

00:51:19,670 --> 00:51:16,640

this will be on

1236

00:51:24,150 --> 00:51:19,680

sunday the 14th of march

1237

00:51:27,829 --> 00:51:24,160

2021 at around midday

1238

00:51:30,950 --> 00:51:27,839

and it's a zoom meeting the world of

1239

00:51:33,430 --> 00:51:30,960

intelligence and espionage is one that

1240

00:51:35,670 --> 00:51:33,440

continues to fascinate and mystify

1241

00:51:36,630 --> 00:51:35,680

whether the world of fiction or

1242

00:51:39,430 --> 00:51:36,640

non-fiction

1243

00:51:40,950 --> 00:51:39,440

intelligence history is replete with

1244

00:51:43,829 --> 00:51:40,960

incredible examples

1245

00:51:45,270 --> 00:51:43,839

of intelligence agencies agents and

1246

00:51:47,270 --> 00:51:45,280

spies

1247

00:51:50,069 --> 00:51:47,280

developing amazing operations and

1248

00:51:51,349 --> 00:51:50,079

techniques to get the job done but

1249

00:51:53,990 --> 00:51:51,359

sometimes

1250

00:51:54,630 --> 00:51:54,000

it does not always go right drawing from

1251  
00:51:57,270 --> 00:51:54,640  
his book

1252  
00:51:59,670 --> 00:51:57,280  
nuking the moon and other intelligence

1253  
00:52:00,950 --> 00:51:59,680  
schemes and military plots best left on

1254  
00:52:03,829 --> 00:52:00,960  
the drawing board

1255  
00:52:05,589 --> 00:52:03,839  
dr vince horton will discuss some of

1256  
00:52:08,390 --> 00:52:05,599  
history's less successful

1257  
00:52:09,109 --> 00:52:08,400  
intelligence operations more information

1258  
00:52:12,309 --> 00:52:09,119  
just visit

1259  
00:52:14,630 --> 00:52:12,319  
uh canberraskeptics.org

1260  
00:52:15,430 --> 00:52:14,640  
and before then we have on the 15th of

1261  
00:52:16,710 --> 00:52:15,440  
february

1262  
00:52:19,349 --> 00:52:16,720  
so if you're listening to the skeptic

1263  
00:52:20,470 --> 00:52:19,359

zone on sunday 14th of february this is

1264

00:52:23,270 --> 00:52:20,480

actually tomorrow

1265

00:52:24,069 --> 00:52:23,280

this talk on the 15th and this is at 6

1266

00:52:26,870 --> 00:52:24,079

pm

1267

00:52:28,710 --> 00:52:26,880

overview of rand's truth decay

1268

00:52:31,750 --> 00:52:28,720

initiative

1269

00:52:33,349 --> 00:52:31,760

and the speaker will be dr karl rhodes

1270

00:52:35,270 --> 00:52:33,359

over the past two decades national

1271

00:52:37,270 --> 00:52:35,280

policy and civil discourse in the united

1272

00:52:40,150 --> 00:52:37,280

states has been characterized by

1273

00:52:40,470 --> 00:52:40,160

truth decay and i think we've mentioned

1274

00:52:43,750 --> 00:52:40,480

this

1275

00:52:46,270 --> 00:52:43,760

talk before anyway for more information

1276

00:52:48,470 --> 00:52:46,280

about this talk as well just head for

1277

00:52:50,230 --> 00:52:48,480

canberraskeptics.org

1278

00:52:52,230 --> 00:52:50,240

coming up on next week's episode of the

1279

00:52:54,470 --> 00:52:52,240

skeptic zone more logical fallacies with

1280

00:52:57,670 --> 00:52:54,480

michelle biggesmar of course

1281

00:52:59,990 --> 00:52:57,680

part two of our look at phrenology with

1282

00:53:01,750 --> 00:53:00,000

tim mendham in the book of tim

1283

00:53:03,829 --> 00:53:01,760

the beginning of the conclusion of our

1284

00:53:05,109 --> 00:53:03,839

series into the unknown from the trove

1285

00:53:08,710 --> 00:53:05,119

archive

1286

00:53:10,470 --> 00:53:08,720

what will the panel conclude we wonder

1287

00:53:12,549 --> 00:53:10,480

and the rest of course is a mystery

1288

00:53:14,630 --> 00:53:12,559

because well it's a week away and i

1289

00:53:16,470 --> 00:53:14,640

don't know what's going to happen

1290

00:53:18,630 --> 00:53:16,480

thank you to those people who continue

1291

00:53:21,349 --> 00:53:18,640

to support the skeptic zone via patreon

1292

00:53:23,109 --> 00:53:21,359

or paypal at skepticzone.tv

1293

00:53:24,790 --> 00:53:23,119

without your contribution you wouldn't

1294

00:53:25,829 --> 00:53:24,800

be hearing this and nobody else would

1295

00:53:27,510 --> 00:53:25,839

either

1296

00:53:29,190 --> 00:53:27,520

i'd be sitting here doing the show to

1297

00:53:30,870 --> 00:53:29,200

myself

1298

00:53:32,630 --> 00:53:30,880

because there wouldn't be a show to

1299

00:53:34,390 --> 00:53:32,640

broadcast

1300

00:53:37,589 --> 00:53:34,400

and yes believe it or not the skeptic

1301  
00:53:40,870 --> 00:53:37,599  
zone does have bills to pay

1302  
00:53:42,150 --> 00:53:40,880  
surprise surprise making a podcast every

1303  
00:53:44,549 --> 00:53:42,160  
week spending many many

1304  
00:53:46,069 --> 00:53:44,559  
many many many hours putting it together

1305  
00:53:49,109 --> 00:53:46,079  
and recording and equipment

1306  
00:53:52,230 --> 00:53:49,119  
and hosting and well you can imagine

1307  
00:53:54,870 --> 00:53:52,240  
so your kind support

1308  
00:53:55,589 --> 00:53:54,880  
you people who do support the show means

1309  
00:53:59,829 --> 00:53:55,599  
everything

1310  
00:54:02,710 --> 00:53:59,839  
to the show and if you want to

1311  
00:54:04,950 --> 00:54:02,720  
chip in with maybe suggested amount five

1312  
00:54:07,990 --> 00:54:04,960  
dollars a month for patreon or paypal

1313  
00:54:09,270 --> 00:54:08,000

just head for skepticzone.tv and click

1314

00:54:11,750 --> 00:54:09,280

the link

1315

00:54:12,870 --> 00:54:11,760

and really it really is a case of lots

1316

00:54:15,990 --> 00:54:12,880

of little

1317

00:54:17,829 --> 00:54:16,000

um contributions building up to being

1318

00:54:21,109 --> 00:54:17,839

something very meaningful

1319

00:54:22,309 --> 00:54:21,119

but for this week with skeptical fingers

1320

00:54:25,829 --> 00:54:22,319

crossed

1321

00:54:29,829 --> 00:54:25,839

for the three uh missions now

1322

00:54:32,150 --> 00:54:29,839

either at mars or just about to

1323

00:54:32,870 --> 00:54:32,160

get to mars this is richard saunders

1324

00:54:38,470 --> 00:54:32,880

signing off

1325

00:54:40,230 --> 00:54:38,480

from sydney australia

1326  
00:54:41,670 --> 00:54:40,240  
you've been listening to the skeptic

1327  
00:54:44,910 --> 00:54:41,680  
zone podcast

1328  
00:54:46,230 --> 00:54:44,920  
please visit our website at

1329  
00:54:49,349 --> 00:54:46,240  
[www.skepticzone.tv](http://www.skepticzone.tv)

1330  
00:54:51,349 --> 00:54:49,359  
for show notes contacts and to access

1331  
00:54:54,870 --> 00:54:51,359  
the back catalog of episodes

1332  
00:54:56,950 --> 00:54:54,880  
going back to 2008. you can follow the

1333  
00:55:00,390 --> 00:54:56,960  
skepticzone podcast on twitter

1334  
00:55:03,910 --> 00:55:00,400  
at skepticzone visit our facebook page

1335  
00:55:05,270 --> 00:55:03,920  
or leave a review on itunes you can also

1336  
00:55:08,549 --> 00:55:05,280  
support the skeptic zone

1337  
00:55:09,270 --> 00:55:08,559  
via patreon or paypal the skeptic zone

1338  
00:55:12,150 --> 00:55:09,280

podcast

1339

00:55:13,990 --> 00:55:12,160

is an independent production the views

1340

00:55:14,390 --> 00:55:14,000

and opinions expressed on the skeptic

1341

00:55:16,390 --> 00:55:14,400

zone

1342

00:55:18,309 --> 00:55:16,400

are not necessarily those of australian

1343

00:55:19,910 --> 00:55:18,319

skeptics or any other

1344

00:55:32,950 --> 00:55:19,920

skeptical organization

1345

00:55:36,789 --> 00:55:34,630

hello to the people who listen after the

1346

00:55:38,789 --> 00:55:36,799

music hello adrian i'm glad you listened

1347

00:55:40,549 --> 00:55:38,799

to the music now or after the music now

1348

00:55:43,829 --> 00:55:40,559

hello susan

1349

00:55:47,270 --> 00:55:43,839

um let me guess

1350

00:55:49,750 --> 00:55:47,280

let me guess susan's going to try and

1351  
00:55:50,549 --> 00:55:49,760  
will the dice to come up with a number

1352  
00:55:54,069 --> 00:55:50,559  
or

1353  
00:55:55,990 --> 00:55:54,079  
five just a guess susan now this is the

1354  
00:55:57,430 --> 00:55:56,000  
part of the show where i roll a

1355  
00:55:59,910 --> 00:55:57,440  
six-sided die

1356  
00:56:03,430 --> 00:55:59,920  
usually a 10 but today it's a six and

1357  
00:56:06,950 --> 00:56:03,440  
you use whatever power you want

1358  
00:56:08,870 --> 00:56:06,960  
not cheating of course uh to

1359  
00:56:10,390 --> 00:56:08,880  
guess or predict what numbers are going

1360  
00:56:13,589 --> 00:56:10,400  
to come up i'm going to roll this diet

1361  
00:56:16,950 --> 00:56:13,599  
three times are you ready

1362  
00:56:19,589 --> 00:56:16,960  
here it is and roll number one

1363  
00:56:21,190 --> 00:56:19,599

the first number out of the box because

1364

00:56:22,630 --> 00:56:21,200

there's a little box i put it into it

1365

00:56:26,309 --> 00:56:22,640

sort of pops out the other side

1366

00:56:29,589 --> 00:56:26,319

is two two okay second number

1367

00:56:32,630 --> 00:56:29,599

one two three four five or six

1368

00:56:35,510 --> 00:56:32,640

oh six

1369

00:56:37,030 --> 00:56:35,520

all right and the last number for this

1370

00:56:40,230 --> 00:56:37,040

week

1371

00:56:46,470 --> 00:56:40,240

and the uh three rolls are

1372

00:56:51,510 --> 00:56:50,390

two six one and the last supplementary

1373

00:56:53,510 --> 00:56:51,520

in fact i'll swap

1374

00:56:54,630 --> 00:56:53,520

and the last supplementary will be out

1375

00:56:57,750 --> 00:56:54,640

of ten

1376  
00:56:59,270 --> 00:56:57,760  
i'll use a d10 here we go so it could be

1377  
00:57:00,069 --> 00:56:59,280  
one two three four five six seven eight

1378  
00:57:05,190 --> 00:57:00,079  
nine or ten

1379  
00:57:05,200 --> 00:57:11,030  
two six one and eight

1380  
00:57:17,750 --> 00:57:13,109  
we can spot them when they occur and

1381  
00:57:22,549 --> 00:57:20,870  
this time we'll look at a fallacy of the

1382  
00:57:25,270 --> 00:57:22,559  
single cause

1383  
00:57:26,789 --> 00:57:25,280  
also known as the causal over

1384  
00:57:30,390 --> 00:57:26,799  
simplification

1385  
00:57:34,700 --> 00:57:30,400  
this fallacy occurs when it is assumed

1386  
00:57:37,190 --> 00:57:34,710  
that there are birds outside hi

1387  
00:57:38,630 --> 00:57:37,200  
[Music]

1388  
00:57:41,270 --> 00:57:38,640

i thought i was getting away with it one