



Episode **648**

THE
**SKEPTIC
ZONE**
PODCAST

14 March 2021

www.skepticzone.tv

Maynard interviews
Dr Brad McKay #1

Susan Gerbic looks at
the True Believers

Newsletter from
Australian Skeptics

TROVE
Biorhythms



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
00:00:16,900 --> 00:00:11,200
the podcast from australia for science

4
00:00:24,230 --> 00:00:16,910
and reason

5
00:00:28,310 --> 00:00:26,230
yes it's the skeptic zone podcast

6
00:00:31,830 --> 00:00:28,320
episode number 648

7
00:00:33,590 --> 00:00:31,840
for the 14th of march 2021

8
00:00:37,030 --> 00:00:33,600
richard saunders coming to you from a

9
00:00:39,030 --> 00:00:37,040
wet and rainy sydney australia

10
00:00:40,869 --> 00:00:39,040
it's been very humid the last couple of

11
00:00:43,670 --> 00:00:40,879
days so i'm not surprised

12
00:00:45,750 --> 00:00:43,680
and a few nights ago we had an almighty

13
00:00:47,830 --> 00:00:45,760

storm come through this part of sydney

14

00:00:49,270 --> 00:00:47,840

with localized flooding and heavy rains

15

00:00:52,229 --> 00:00:49,280

and all sorts of things

16

00:00:54,470 --> 00:00:52,239

but coming up on this week's show it's

17

00:00:55,590 --> 00:00:54,480

the return of maynard maynard live

18

00:00:57,670 --> 00:00:55,600

interviews

19

00:01:00,630 --> 00:00:57,680

this week and for the next two weeks

20

00:01:03,510 --> 00:01:00,640

maynard interviews dr brad mackay

21

00:01:05,350 --> 00:01:03,520

the uh down under the embarrassing

22

00:01:08,950 --> 00:01:05,360

bodies down under

23

00:01:09,910 --> 00:01:08,960

tv doctor gp generally good bloke around

24

00:01:11,830 --> 00:01:09,920

town

25

00:01:13,670 --> 00:01:11,840

dr brad has written a new book called

26

00:01:15,910 --> 00:01:13,680

fake medicine

27

00:01:17,990 --> 00:01:15,920

all about what he considers to be fake

28

00:01:20,630 --> 00:01:18,000

medicine lots of quackery

29

00:01:21,109 --> 00:01:20,640

and strange conspiracy stuff and of

30

00:01:22,710 --> 00:01:21,119

course

31

00:01:25,030 --> 00:01:22,720

if you want to check out the book you

32

00:01:25,590 --> 00:01:25,040

can buy that from the link in this

33

00:01:28,950 --> 00:01:25,600

week's

34

00:01:30,469 --> 00:01:28,960

show notes but this week maynard asked

35

00:01:33,670 --> 00:01:30,479

dr brad about

36

00:01:34,550 --> 00:01:33,680

vampire facials which i've never heard

37

00:01:37,990 --> 00:01:34,560

about

38

00:01:40,950 --> 00:01:38,000

lithium why people turn to dr google

39

00:01:42,870 --> 00:01:40,960

ozone therapy and more and australian

40

00:01:44,310 --> 00:01:42,880

listeners may well know dr brad from his

41

00:01:47,590 --> 00:01:44,320

appearances on

42

00:01:49,190 --> 00:01:47,600

uh tv here in australia following that

43

00:01:51,510 --> 00:01:49,200

it's susan gobick from guerrilla

44

00:01:54,550 --> 00:01:51,520

skepticism on wikipedia

45

00:01:57,030 --> 00:01:54,560

susan's going to be telling us about

46

00:01:58,709 --> 00:01:57,040

the case of somebody who keeps or kept

47

00:02:00,550 --> 00:01:58,719

believing

48

00:02:01,830 --> 00:02:00,560

in the face of all the evidence to the

49

00:02:03,749 --> 00:02:01,840

country

50

00:02:07,749 --> 00:02:03,759

in this case it revolves around a

51
00:02:10,790 --> 00:02:07,759
so-called medium someone who claims

52
00:02:13,350 --> 00:02:10,800
they can talk with the dead hello dead

53
00:02:17,910 --> 00:02:13,360
how are you

54
00:02:20,630 --> 00:02:17,920
hello dead dead an insightful

55
00:02:22,309 --> 00:02:20,640
and in some respects disturbing report

56
00:02:24,070 --> 00:02:22,319
from susan gerbic

57
00:02:25,750 --> 00:02:24,080
then we have the latest newsletter from

58
00:02:27,750 --> 00:02:25,760
the australian skeptics see what's

59
00:02:28,790 --> 00:02:27,760
caught the skeptical eye of tim mendem

60
00:02:30,550 --> 00:02:28,800
this week

61
00:02:31,990 --> 00:02:30,560
then to round off the show in the trove

62
00:02:33,750 --> 00:02:32,000
segment

63
00:02:35,670 --> 00:02:33,760

since we've wrapped up our series into

64

00:02:36,869 --> 00:02:35,680
the unknown from 1950

65

00:02:39,990 --> 00:02:36,879
we're going to be looking at other

66

00:02:41,990 --> 00:02:40,000
topics this week it's biorhythms

67

00:02:43,509 --> 00:02:42,000
now some of you may never have heard of

68

00:02:45,830 --> 00:02:43,519
biorhythms they've sort of

69

00:02:48,150 --> 00:02:45,840
come and gone they're one of the few

70

00:02:51,750 --> 00:02:48,160
quack modalities that actually

71

00:02:53,270 --> 00:02:51,760
have faded into obscurity uh sort of

72

00:02:54,949 --> 00:02:53,280
like phrenology

73

00:02:57,670 --> 00:02:54,959
you don't hear much about that anymore

74

00:02:59,190 --> 00:02:57,680
if at all well biorhythms certainly had

75

00:03:01,589 --> 00:02:59,200
their day they've sort of

76
00:03:03,190 --> 00:03:01,599
come and gone well i can hear the birds

77
00:03:04,630 --> 00:03:03,200
going nuts outside the windows what's

78
00:03:07,030 --> 00:03:04,640
going on out there

79
00:03:08,390 --> 00:03:07,040
maybe they're flying from tree to tree

80
00:03:10,390 --> 00:03:08,400
to get out of the rain

81
00:03:13,430 --> 00:03:10,400
you birds what you need are some nice

82
00:03:16,309 --> 00:03:13,440
sleeps go sleep in

83
00:03:17,830 --> 00:03:16,319
yes from these cooler autumn nights all

84
00:03:19,350 --> 00:03:17,840
birds everywhere should have a nice

85
00:03:21,589 --> 00:03:19,360
sleeping i think

86
00:03:23,350 --> 00:03:21,599
stop twittering out there but anyway now

87
00:03:26,949 --> 00:03:23,360
it's time for me to run downstairs

88
00:03:30,309 --> 00:03:26,959

and have some nice uh honey toast

89

00:03:33,030 --> 00:03:30,319

on sourdough yeah sourdough bread

90

00:03:33,750 --> 00:03:33,040

a little bit of cream cheese just a bit

91

00:03:36,309 --> 00:03:33,760

and

92

00:03:37,910 --> 00:03:36,319

lightly smeared with honey sounds pretty

93

00:03:38,390 --> 00:03:37,920

good sounds pretty crunchy while i do

94

00:03:49,440 --> 00:03:38,400

that

95

00:03:49,450 --> 00:03:55,110

[Applause]

96

00:04:03,350 --> 00:03:59,270

here's maynard's spooky action

97

00:04:06,630 --> 00:04:04,869

look i don't know about you people but

98

00:04:07,429 --> 00:04:06,640

when i read a book i want a book that's

99

00:04:09,270 --> 00:04:07,439

got facts

100

00:04:11,030 --> 00:04:09,280

i want a book that's got action i want a

101

00:04:11,429 --> 00:04:11,040

book that's got it all going on and in

102

00:04:13,350 --> 00:04:11,439

my

103

00:04:15,350 --> 00:04:13,360

first skeptical interview in over a year

104

00:04:15,670 --> 00:04:15,360

i have dr brad mckay happy brad how are

105

00:04:18,710 --> 00:04:15,680

you

106

00:04:21,030 --> 00:04:18,720

in person and

107

00:04:22,310 --> 00:04:21,040

congratulations on the new book thank

108

00:04:24,070 --> 00:04:22,320

you very much i've been

109

00:04:25,670 --> 00:04:24,080

working on it through the whole covert

110

00:04:27,749 --> 00:04:25,680

season um so

111

00:04:29,270 --> 00:04:27,759

yeah more than 12 months of writing it

112

00:04:30,390 --> 00:04:29,280

and i'm trying not to get covered in the

113

00:04:33,510 --> 00:04:30,400

meantime

114

00:04:36,390 --> 00:04:33,520

and i've started writing it when um

115

00:04:37,830 --> 00:04:36,400

when fake medicine was a problem and it

116

00:04:40,150 --> 00:04:37,840

just escalated after

117

00:04:42,150 --> 00:04:40,160

covert came into being so it's even more

118

00:04:42,870 --> 00:04:42,160

relevant now than when i began look for

119

00:04:44,629 --> 00:04:42,880

people who

120

00:04:46,950 --> 00:04:44,639

are english this is of course uh this is

121

00:04:48,150 --> 00:04:46,960

our very own michael mosley who does uh

122

00:04:50,230 --> 00:04:48,160

trust me i'm a doctor

123

00:04:51,430 --> 00:04:50,240

except he's a lot hotter brad's a lot

124

00:04:53,189 --> 00:04:51,440

hotter and also

125

00:04:55,030 --> 00:04:53,199

the other thing about brad is that

126
00:04:56,469 --> 00:04:55,040
you're not a smirker michael mosley he's

127
00:04:57,830 --> 00:04:56,479
a smirker i thought he's a smoker i

128
00:04:58,550 --> 00:04:57,840
thought a doctor that's a smoker no he's

129
00:05:00,070 --> 00:04:58,560
a smirker

130
00:05:02,310 --> 00:05:00,080
you don't smirk like he does and that's

131
00:05:02,870 --> 00:05:02,320
good on television brad i don't smirk or

132
00:05:05,270 --> 00:05:02,880
smoke

133
00:05:06,950 --> 00:05:05,280
but uh yeah actually have you got a new

134
00:05:10,150 --> 00:05:06,960
tv show coming out at all

135
00:05:12,629 --> 00:05:10,160
um uh not at the moment so

136
00:05:14,230 --> 00:05:12,639
mainly on channel nine doing today extra

137
00:05:16,469 --> 00:05:14,240
so trying to speak some

138
00:05:18,230 --> 00:05:16,479

um some science and medicine into uh

139

00:05:18,629 --> 00:05:18,240

breakfast television that's a challenge

140

00:05:20,390 --> 00:05:18,639

enough

141

00:05:22,230 --> 00:05:20,400

something about fake medicine you must

142

00:05:25,350 --> 00:05:22,240

get some great listener feedback on the

143

00:05:27,749 --> 00:05:25,360

channel nine show in the morning there

144

00:05:29,110 --> 00:05:27,759

i think it's creating um direction and

145

00:05:31,270 --> 00:05:29,120

making sure that we're

146

00:05:32,790 --> 00:05:31,280

keeping things on track and when we're

147

00:05:34,629 --> 00:05:32,800

talking about different health topics

148

00:05:36,469 --> 00:05:34,639

look and as a bucket of health topics in

149

00:05:36,950 --> 00:05:36,479

the book here i'm just actually looking

150

00:05:39,830 --> 00:05:36,960

at the

151
00:05:41,110 --> 00:05:39,840
sexist medicine section here um look

152
00:05:42,870 --> 00:05:41,120
i'll just read a little bit about this

153
00:05:44,950 --> 00:05:42,880
one i found very interesting

154
00:05:46,230 --> 00:05:44,960
vampire facials which we have discussed

155
00:05:47,990 --> 00:05:46,240
on the skeptic zone

156
00:05:49,590 --> 00:05:48,000
this is an anti-aging treatment that's

157
00:05:51,510 --> 00:05:49,600
been promoted by many celebrities

158
00:05:53,670 --> 00:05:51,520
including glenn's paltrow

159
00:05:55,430 --> 00:05:53,680
and kim kardashian and rather

160
00:05:57,029 --> 00:05:55,440
disgustingly you describe it here where

161
00:05:58,230 --> 00:05:57,039
blood is withdrawn from your veins and

162
00:06:00,230 --> 00:05:58,240
then injected

163
00:06:01,990 --> 00:06:00,240

into your face after going into a

164

00:06:03,909 --> 00:06:02,000

centrifuge

165

00:06:05,189 --> 00:06:03,919

who would want to do doing that it seems

166

00:06:06,950 --> 00:06:05,199

like a very strange thing

167

00:06:08,469 --> 00:06:06,960

how do you get to convince someone to do

168

00:06:09,909 --> 00:06:08,479

that if i if someone with a medical

169

00:06:11,189 --> 00:06:09,919

degree was offering that to me

170

00:06:13,189 --> 00:06:11,199

maybe i'll think about it but people

171

00:06:15,270 --> 00:06:13,199

doing this usually haven't have they

172

00:06:17,590 --> 00:06:15,280

yeah so a lot of a lot of people will go

173

00:06:19,029 --> 00:06:17,600

for vampire facials they're wanting all

174

00:06:20,870 --> 00:06:19,039

sorts of anti-aging

175

00:06:22,070 --> 00:06:20,880

beauty treatments and there's always

176

00:06:24,550 --> 00:06:22,080

something else that

177

00:06:25,830 --> 00:06:24,560

that comes along so with with this

178

00:06:28,150 --> 00:06:25,840

vampire facial

179

00:06:30,870 --> 00:06:28,160

uh it was sort of designed to be similar

180

00:06:33,510 --> 00:06:30,880

to what people talk about um like prp

181

00:06:34,550 --> 00:06:33,520

therapy which is often used in medicine

182

00:06:36,950 --> 00:06:34,560

where you get your

183

00:06:37,990 --> 00:06:36,960

draw your own blood out you uh use a

184

00:06:39,909 --> 00:06:38,000

centrifuge

185

00:06:41,110 --> 00:06:39,919

and get all of the red cells to float to

186

00:06:42,469 --> 00:06:41,120

the bottom of the test tube

187

00:06:44,790 --> 00:06:42,479

and then you put in a syringe and then

188

00:06:45,830 --> 00:06:44,800

take off the plasma and then inject that

189

00:06:47,830 --> 00:06:45,840

back into your body

190

00:06:49,909 --> 00:06:47,840

so we've used it in the past with like

191

00:06:50,710 --> 00:06:49,919

knees and shoulders sometimes around

192

00:06:51,990 --> 00:06:50,720

tendons

193

00:06:54,469 --> 00:06:52,000

and there has been a little bit of an

194

00:06:56,550 --> 00:06:54,479

anti-inflammatory effect from doing that

195

00:06:58,150 --> 00:06:56,560

so um so with uh with the vampire

196

00:07:00,870 --> 00:06:58,160

facials it's using that same

197

00:07:03,350 --> 00:07:00,880

medical principle but then tilting it on

198

00:07:05,270 --> 00:07:03,360

its head for more cosmetic purposes

199

00:07:06,950 --> 00:07:05,280

um but some of the uh some of the

200

00:07:09,430 --> 00:07:06,960

practitioners that have done it

201
00:07:10,950 --> 00:07:09,440
uh have not used the centrifuge so

202
00:07:12,629 --> 00:07:10,960
they've just got whole blood

203
00:07:14,390 --> 00:07:12,639
and then injected that back into their

204
00:07:16,070 --> 00:07:14,400
patients faces

205
00:07:18,469 --> 00:07:16,080
which just makes you look like you've

206
00:07:20,150 --> 00:07:18,479
been eaten by a vampire wow

207
00:07:22,150 --> 00:07:20,160
that sounds like something dr nick from

208
00:07:24,710 --> 00:07:22,160
the simpsons would do

209
00:07:26,230 --> 00:07:24,720
exactly so neither have really proven to

210
00:07:27,589 --> 00:07:26,240
be of much benefit but you'll probably

211
00:07:29,189 --> 00:07:27,599
get a lot more bruising and

212
00:07:30,950 --> 00:07:29,199
it looks more impressive on your

213
00:07:34,710 --> 00:07:30,960

instagram photos if you're not

214

00:07:36,950 --> 00:07:34,720

using the centrifuge but it basically um

215

00:07:39,029 --> 00:07:36,960

gets rid of some of the the wrinkles by

216

00:07:41,749 --> 00:07:39,039

um by causing inflammation

217

00:07:42,390 --> 00:07:41,759

and uh and swelling in your face great

218

00:07:43,749 --> 00:07:42,400

okay

219

00:07:45,029 --> 00:07:43,759

look when in fact maybe you should just

220

00:07:45,830 --> 00:07:45,039

go to bed earlier and knock off the

221

00:07:47,909 --> 00:07:45,840

smokes

222

00:07:49,350 --> 00:07:47,919

well yeah if you decreased alcohol and

223

00:07:50,230 --> 00:07:49,360

got some more sleep you'd probably do

224

00:07:51,909 --> 00:07:50,240

more good

225

00:07:53,749 --> 00:07:51,919

but some people do go back time like

226

00:07:54,230 --> 00:07:53,759

week after week because the uh the

227

00:07:56,950 --> 00:07:54,240

effects

228

00:07:57,749 --> 00:07:56,960

last for about a week wow so basically

229

00:07:59,430 --> 00:07:57,759

just calling us

230

00:08:00,710 --> 00:07:59,440

causing some local inflammation is what

231

00:08:01,270 --> 00:08:00,720

we really want really so you could

232

00:08:03,510 --> 00:08:01,280

actually

233

00:08:05,430 --> 00:08:03,520

just slap yourself around a little bit

234

00:08:07,430 --> 00:08:05,440

would do it you know just a bit of

235

00:08:09,670 --> 00:08:07,440

a bit of that well often it's just the

236

00:08:11,189 --> 00:08:09,680

fluid that's injected into your face

237

00:08:11,990 --> 00:08:11,199

that's causing the swelling as well so

238

00:08:13,749 --> 00:08:12,000

nothing magical

239

00:08:15,909 --> 00:08:13,759

about the the blood that's uh that's

240

00:08:17,990 --> 00:08:15,919

being look there are some very famous

241

00:08:20,390 --> 00:08:18,000

celebrities i i won't mention

242

00:08:21,990 --> 00:08:20,400

mention their name um you can tell when

243

00:08:22,950 --> 00:08:22,000

they've just had their botox done

244

00:08:24,710 --> 00:08:22,960

because they have the

245

00:08:25,909 --> 00:08:24,720

devil's droop on the eyebrows because it

246

00:08:27,350 --> 00:08:25,919

looks like it's been injected a little

247

00:08:28,950 --> 00:08:27,360

bit close to the eyebrows and

248

00:08:30,710 --> 00:08:28,960

just at the end where the nose is it

249

00:08:31,909 --> 00:08:30,720

comes down can you notice that as a

250

00:08:34,070 --> 00:08:31,919

doctor straight away

251

00:08:34,949 --> 00:08:34,080

like your parents today may not oh if

252

00:08:39,269 --> 00:08:34,959

only

253

00:08:40,469 --> 00:08:39,279

talking to my gp about my dad who's 92

254

00:08:41,750 --> 00:08:40,479

and i said look do you think we've got a

255

00:08:45,509 --> 00:08:41,760

problem with dementia he said look he's

256

00:08:48,150 --> 00:08:45,519

92. it's hardly early onset

257

00:08:49,030 --> 00:08:48,160

yeah alzheimer's and dementia is a big

258

00:08:51,430 --> 00:08:49,040

big issue

259

00:08:53,670 --> 00:08:51,440

uh around the planet so yeah why don't

260

00:08:54,790 --> 00:08:53,680

we just put an anti-alzheimer drug or

261

00:08:56,630 --> 00:08:54,800

cholinergic inhibitor

262

00:08:58,150 --> 00:08:56,640

or whatever it's called into the water

263

00:09:00,470 --> 00:08:58,160

like we do with the fluoride

264

00:09:01,750 --> 00:09:00,480

we cure tooth decay we can cure

265

00:09:03,750 --> 00:09:01,760

alzheimer's by just putting

266

00:09:05,269 --> 00:09:03,760

or whichever ones work or put all of

267

00:09:07,430 --> 00:09:05,279

them in so people can drink it

268

00:09:08,470 --> 00:09:07,440

what is wrong with that idea dr brad i

269

00:09:10,710 --> 00:09:08,480

think i don't think we've

270

00:09:12,470 --> 00:09:10,720

cured uh tooth decay with fluoride we've

271

00:09:14,150 --> 00:09:12,480

certainly decreased the number of people

272

00:09:15,990 --> 00:09:14,160

getting tooth decay by putting that in

273

00:09:18,470 --> 00:09:16,000

the water a lot of people think that

274

00:09:19,190 --> 00:09:18,480

it's a neurotoxin which i do talk about

275

00:09:21,350 --> 00:09:19,200

in the book

276

00:09:23,350 --> 00:09:21,360

um but yeah like i also talked to quite

277

00:09:25,829 --> 00:09:23,360

a few dentists as well and uh

278

00:09:27,269 --> 00:09:25,839

and uh had many many different opinions

279

00:09:28,949 --> 00:09:27,279

and scientific studies saying there was

280

00:09:30,870 --> 00:09:28,959

fine and safe to put that in the water

281

00:09:32,389 --> 00:09:30,880

um it doesn't cause dementia as far as

282

00:09:33,750 --> 00:09:32,399

we're aware with fluoride

283

00:09:35,509 --> 00:09:33,760

there has been some talk about putting

284

00:09:37,509 --> 00:09:35,519

lithium in the water oh yeah um

285

00:09:39,590 --> 00:09:37,519

so lithium can work it's meant to be

286

00:09:40,790 --> 00:09:39,600

very calming uh but i think that there's

287

00:09:42,949 --> 00:09:40,800

a lot of people who

288

00:09:45,110 --> 00:09:42,959

would be averse to having a heavy metal

289

00:09:45,670 --> 00:09:45,120

um like lithium put into the into the

290

00:09:47,190 --> 00:09:45,680

the water

291

00:09:49,030 --> 00:09:47,200

yes because it does occur naturally in

292

00:09:51,030 --> 00:09:49,040

some areas and i noticed a bit of a

293

00:09:53,190 --> 00:09:51,040

decrease in certain illnesses

294

00:09:54,150 --> 00:09:53,200

and that's the way fluoride started but

295

00:09:55,750 --> 00:09:54,160

dr brad

296

00:09:57,990 --> 00:09:55,760

yeah so um we we found that it was

297

00:09:58,389 --> 00:09:58,000

helpful for for preventing tooth decay

298

00:10:00,389 --> 00:09:58,399

um

299

00:10:02,150 --> 00:10:00,399

but yeah it didn't really calm the

300

00:10:03,670 --> 00:10:02,160

masses from having fluoride

301
00:10:05,030 --> 00:10:03,680
probably would create people to be a

302
00:10:06,389 --> 00:10:05,040
little bit more calm a little bit less

303
00:10:08,790 --> 00:10:06,399
bipolar disorder or

304
00:10:09,910 --> 00:10:08,800
or um or psychosis with uh with some

305
00:10:11,430 --> 00:10:09,920
lithium in the water

306
00:10:13,509 --> 00:10:11,440
but yeah certainly not warranted at this

307
00:10:14,949 --> 00:10:13,519
point of time um

308
00:10:16,069 --> 00:10:14,959
alzheimer's drugs because you can't

309
00:10:17,350 --> 00:10:16,079
start too early with that kind of

310
00:10:19,910 --> 00:10:17,360
treatment can you

311
00:10:21,750 --> 00:10:19,920
well uh a lot of the treatments for

312
00:10:24,150 --> 00:10:21,760
dementia and alzheimer's disease

313
00:10:25,990 --> 00:10:24,160

are like they only tend to work for some

314

00:10:27,509 --> 00:10:26,000

people and we're still figuring out who

315

00:10:27,990 --> 00:10:27,519

they work for and who they don't work

316

00:10:29,829 --> 00:10:28,000

for

317

00:10:31,350 --> 00:10:29,839

so they're very expensive so it would be

318

00:10:32,790 --> 00:10:31,360

another reason not to put them in the

319

00:10:34,710 --> 00:10:32,800

water at the moment i don't think the

320

00:10:35,110 --> 00:10:34,720

government would be keen to uh to fund

321

00:10:36,630 --> 00:10:35,120

that

322

00:10:38,710 --> 00:10:36,640

at this point of time but they'd be

323

00:10:40,470 --> 00:10:38,720

buying in bulk so it would be cheaper

324

00:10:42,389 --> 00:10:40,480

it would still be very expensive and it

325

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

would probably break down a little bit

326

00:10:45,350 --> 00:10:44,000

in the water over time as well

327

00:10:47,350 --> 00:10:45,360

what you're hearing listener is the

328

00:10:48,710 --> 00:10:47,360

every person like myself who never went

329

00:10:49,990 --> 00:10:48,720

to medical school even once

330

00:10:51,990 --> 00:10:50,000

not even for the day not even for the

331

00:10:52,790 --> 00:10:52,000

afternoon at the bar so when i'm reading

332

00:10:55,509 --> 00:10:52,800

things like

333

00:10:55,990 --> 00:10:55,519

pubmed i go to pubmed and look at stuff

334

00:10:57,670 --> 00:10:56,000

i can

335

00:10:59,590 --> 00:10:57,680

take away the opposite opinion because i

336

00:11:01,509 --> 00:10:59,600

don't understand what the words mean

337

00:11:02,949 --> 00:11:01,519

is this how some people have come to

338

00:11:03,829 --> 00:11:02,959

their conclusions in your book fake

339

00:11:05,190 --> 00:11:03,839

medicine

340

00:11:07,030 --> 00:11:05,200

by but they've looked at stuff and just

341

00:11:08,790 --> 00:11:07,040

not understood it not asked anybody well

342

00:11:09,910 --> 00:11:08,800

part of the book is looking at

343

00:11:11,670 --> 00:11:09,920

like why people come to those

344

00:11:13,110 --> 00:11:11,680

conclusions and so a lot of people will

345

00:11:13,990 --> 00:11:13,120

go and see their doctor they'll have a

346

00:11:15,590 --> 00:11:14,000

conversation they

347

00:11:17,509 --> 00:11:15,600

may come out confused because their

348

00:11:18,470 --> 00:11:17,519

doctor's not using appropriate language

349

00:11:21,030 --> 00:11:18,480

for them

350

00:11:22,790 --> 00:11:21,040

and then they will then go to google and

351
00:11:24,230 --> 00:11:22,800
start to look up things themselves

352
00:11:26,150 --> 00:11:24,240
so a lot of people just sort of like

353
00:11:27,590 --> 00:11:26,160
bypass the doctor these days and just go

354
00:11:30,949 --> 00:11:27,600
straight to dr google

355
00:11:33,590 --> 00:11:30,959
um and so um yeah it's like there are

356
00:11:35,430 --> 00:11:33,600
many many uh different um searches on

357
00:11:36,630 --> 00:11:35,440
google for for health problems that are

358
00:11:39,350 --> 00:11:36,640
happening every day

359
00:11:40,470 --> 00:11:39,360
um hopefully people then back that up by

360
00:11:41,350 --> 00:11:40,480
talking to their doctor about it

361
00:11:43,190 --> 00:11:41,360
afterwards

362
00:11:44,710 --> 00:11:43,200
but yeah quite often they'll just go off

363
00:11:47,509 --> 00:11:44,720

on their own tangent

364

00:11:49,829 --> 00:11:47,519

i'll ask for did you cover intravenous

365

00:11:52,870 --> 00:11:49,839

ozone therapy in your book

366

00:11:55,110 --> 00:11:52,880

um i covered oxygen therapy

367

00:11:56,470 --> 00:11:55,120

but there there were so many kooky

368

00:11:58,790 --> 00:11:56,480

therapies out there

369

00:12:00,230 --> 00:11:58,800

uh that i wasn't able to cover them all

370

00:12:01,910 --> 00:12:00,240

within within my book

371

00:12:03,430 --> 00:12:01,920

um but yeah like the the sort of like

372

00:12:05,750 --> 00:12:03,440

the theory about ozone

373

00:12:07,190 --> 00:12:05,760

is that you've got like well like two

374

00:12:09,190 --> 00:12:07,200

oxygen molecules is good

375

00:12:10,710 --> 00:12:09,200

three would be better um so if you're

376

00:12:13,910 --> 00:12:10,720

pumping that into you in in

377

00:12:15,269 --> 00:12:13,920

any way possible um that's really got to

378

00:12:18,069 --> 00:12:15,279

be good for you isn't it

379

00:12:19,269 --> 00:12:18,079

um so but then on the reverse side you

380

00:12:21,350 --> 00:12:19,279

have a lot of people saying oh well

381

00:12:23,509 --> 00:12:21,360

you're needing lots of antioxidants

382

00:12:25,829 --> 00:12:23,519

and their antioxidants are helpful for

383

00:12:26,790 --> 00:12:25,839

you so the more antioxidants you have in

384

00:12:28,629 --> 00:12:26,800

your diet

385

00:12:30,550 --> 00:12:28,639

or in your supplements and the better

386

00:12:32,310 --> 00:12:30,560

off you'll be and so it's really

387

00:12:33,350 --> 00:12:32,320

confusing with the with the whole sort

388

00:12:35,990 --> 00:12:33,360

of alternative

389

00:12:37,509 --> 00:12:36,000

medical crowd because on one hand

390

00:12:38,710 --> 00:12:37,519

they're saying antioxidants and on the

391

00:12:40,870 --> 00:12:38,720

other hand they're saying more

392

00:12:42,150 --> 00:12:40,880

oxygen in your body but people don't

393

00:12:44,710 --> 00:12:42,160

really sort of like uh

394

00:12:45,910 --> 00:12:44,720

realize that there's that incongruity

395

00:12:48,310 --> 00:12:45,920

with that with those both

396

00:12:49,750 --> 00:12:48,320

with those two statements well people

397

00:12:51,750 --> 00:12:49,760

are always going on about big

398

00:12:52,949 --> 00:12:51,760

big farmer but basically all this fake

399

00:12:55,030 --> 00:12:52,959

medicine is just uh

400

00:12:56,949 --> 00:12:55,040

is this the big placebo isn't it well i

401
00:12:58,150 --> 00:12:56,959
think a lot of it can be big placebo

402
00:12:59,829 --> 00:12:58,160
we're spending about

403
00:13:01,190 --> 00:12:59,839
yeah more than five billion dollars

404
00:13:02,629 --> 00:13:01,200
every year in australia on

405
00:13:04,550 --> 00:13:02,639
alternative medicines and complimentary

406
00:13:05,829 --> 00:13:04,560
medicines so a lot of them just don't do

407
00:13:07,829 --> 00:13:05,839
anything at all

408
00:13:10,310 --> 00:13:07,839
so some of them can actually be harmful

409
00:13:10,949 --> 00:13:10,320
for you and i'm seeing a lot of patients

410
00:13:12,470 --> 00:13:10,959
who have had

411
00:13:14,790 --> 00:13:12,480
problems with their liver function or

412
00:13:16,949 --> 00:13:14,800
they've had hormonal issues

413
00:13:18,389 --> 00:13:16,959

from buying things online or even just

414

00:13:19,430 --> 00:13:18,399

going to a health food shop and thinking

415

00:13:20,949 --> 00:13:19,440

that they're buying something that's

416

00:13:22,150 --> 00:13:20,959

safe and effective

417

00:13:24,150 --> 00:13:22,160

and it's really screwing with their

418

00:13:26,949 --> 00:13:24,160

hormones completely so

419

00:13:28,310 --> 00:13:26,959

there is this sort of like belief that

420

00:13:30,310 --> 00:13:28,320

what you're getting from a health food

421

00:13:33,350 --> 00:13:30,320

shop or what you're getting online

422

00:13:34,069 --> 00:13:33,360

must be like safe and fine for you um it

423

00:13:36,949 --> 00:13:34,079

might work

424

00:13:37,910 --> 00:13:36,959

it might not um but there there is also

425

00:13:39,430 --> 00:13:37,920

like 10

426

00:13:41,509 --> 00:13:39,440

more than 10 000 products that are

427

00:13:43,670 --> 00:13:41,519

available every year on australian

428

00:13:45,750 --> 00:13:43,680

shelves so this is on pharmacies

429

00:13:47,269 --> 00:13:45,760

and also in health food shops um

430

00:13:49,829 --> 00:13:47,279

available which haven't been

431

00:13:51,910 --> 00:13:49,839

tested so a lot of the a lot of the

432

00:13:52,629 --> 00:13:51,920

problems are with the with the tga that

433

00:13:54,710 --> 00:13:52,639

it's a

434

00:13:56,389 --> 00:13:54,720

knee-jerk reaction so once there's a

435

00:13:57,189 --> 00:13:56,399

complaint made then they might look at

436

00:13:58,870 --> 00:13:57,199

the product

437

00:14:00,310 --> 00:13:58,880

um but to actually get it on the shelf

438

00:14:02,629 --> 00:14:00,320

and sell it in australia

439

00:14:03,910 --> 00:14:02,639

the company has to just have information

440

00:14:05,910 --> 00:14:03,920

that it does what they

441

00:14:08,069 --> 00:14:05,920

say it does and contains what they say

442

00:14:09,110 --> 00:14:08,079

it contains there's no testing of those

443

00:14:10,949 --> 00:14:09,120

products before they go

444

00:14:13,750 --> 00:14:10,959

go out there well classic example in the

445

00:14:15,509 --> 00:14:13,760

early 90s i was getting lysine complex

446

00:14:17,030 --> 00:14:15,519

from to allegedly help me sleep and

447

00:14:19,110 --> 00:14:17,040

maybe it does i'm not quite sure

448

00:14:20,550 --> 00:14:19,120

um from a health food place and it just

449

00:14:23,910 --> 00:14:20,560

disappeared off the shelf

450

00:14:25,910 --> 00:14:23,920

i was having

451
00:14:27,509 --> 00:14:25,920
aches and pains in all my joints except

452
00:14:28,870 --> 00:14:27,519
my knees i was almost crippled up and

453
00:14:29,269 --> 00:14:28,880
everything i went to see professor penny

454
00:14:31,030 --> 00:14:29,279
the

455
00:14:32,710 --> 00:14:31,040
immunologist he couldn't find anything

456
00:14:34,870 --> 00:14:32,720
wrong with me there was nothing going on

457
00:14:36,389 --> 00:14:34,880
what it was the worldwide supply that

458
00:14:38,310 --> 00:14:36,399
japan had been contaminated with

459
00:14:39,990 --> 00:14:38,320
strychnine i was actually taking large

460
00:14:41,030 --> 00:14:40,000
doses of strychnine with my lysine

461
00:14:43,430 --> 00:14:41,040
complex

462
00:14:45,269 --> 00:14:43,440
and i thought a immunologist would test

463
00:14:47,750 --> 00:14:45,279

for that kind of thing but he

464

00:14:48,790 --> 00:14:47,760

i don't think he i don't self poisoning

465

00:14:50,629 --> 00:14:48,800

was not one of the things an

466

00:14:52,310 --> 00:14:50,639

immunologist normally tests for

467

00:14:54,470 --> 00:14:52,320

and yeah and he couldn't figure it out

468

00:14:55,829 --> 00:14:54,480

so so that can happen and it has

469

00:14:57,430 --> 00:14:55,839

and i remember i was annoyed when i went

470

00:14:59,509 --> 00:14:57,440

to the hill shop well how dare the

471

00:15:01,189 --> 00:14:59,519

government not let me have my ocean

472

00:15:02,870 --> 00:15:01,199

because no one had told me to be i found

473

00:15:04,550 --> 00:15:02,880

out 10 years later it was contaminated

474

00:15:07,189 --> 00:15:04,560

like that so that can happen

475

00:15:09,030 --> 00:15:07,199

yeah i i had a patient a while ago who

476

00:15:12,150 --> 00:15:09,040

was taking bon soy so

477

00:15:14,069 --> 00:15:12,160

just a regular soy milk substitute

478

00:15:15,910 --> 00:15:14,079

so just trying to get away from dairy

479

00:15:18,470 --> 00:15:15,920

products and then um yeah it

480

00:15:19,110 --> 00:15:18,480

totally um screwed up their thyroid

481

00:15:20,310 --> 00:15:19,120

hormone

482

00:15:22,389 --> 00:15:20,320

and so what they were finding was that

483

00:15:25,670 --> 00:15:22,399

there were extra extra

484

00:15:28,150 --> 00:15:25,680

concentrations of of iodine within the

485

00:15:29,030 --> 00:15:28,160

the soymilk and so this was yeah like

486

00:15:31,590 --> 00:15:29,040

making people

487

00:15:33,389 --> 00:15:31,600

all across australia and other countries

488

00:15:35,350 --> 00:15:33,399

um just having like

489

00:15:37,590 --> 00:15:35,360

hyperthyroidism because they were giving

490

00:15:38,470 --> 00:15:37,600

themselves like large doses of iodine so

491

00:15:40,069 --> 00:15:38,480

this does happen

492

00:15:42,069 --> 00:15:40,079

all the time so is that making them

493

00:15:44,790 --> 00:15:42,079

sleepy or overactive um

494

00:15:46,470 --> 00:15:44,800

overactive and tired and uh losing lots

495

00:15:47,990 --> 00:15:46,480

of weight and feeling really irritable

496

00:15:49,430 --> 00:15:48,000

and would explain a lot of people's

497

00:15:52,230 --> 00:15:49,440

anxiety at the time

498

00:15:52,550 --> 00:15:52,240

that explains twitter completely you

499

00:15:54,310 --> 00:15:52,560

mean

500

00:15:56,949 --> 00:15:54,320

there's people being a bit tetchy on

501
00:15:58,790 --> 00:15:56,959
twitter look check out the soy milk

502
00:16:00,150 --> 00:15:58,800
definitely look i'm having a great time

503
00:16:00,629 --> 00:16:00,160
having a chat here look can i come back

504
00:16:01,990 --> 00:16:00,639
to your

505
00:16:03,990 --> 00:16:02,000
house next time have some more of the

506
00:16:05,189 --> 00:16:04,000
coffee um get some of that

507
00:16:06,310 --> 00:16:05,199
some of the cashews lying around the

508
00:16:07,749 --> 00:16:06,320
front room which is great because you

509
00:16:09,110 --> 00:16:07,759
don't see that in houses these days it's

510
00:16:10,629 --> 00:16:09,120
all cards you can't do anything with it

511
00:16:12,069 --> 00:16:10,639
and meet your dog again can i go back

512
00:16:13,749 --> 00:16:12,079
next week and talk about fake medicine

513
00:16:14,310 --> 00:16:13,759

again um humphrey will be very pleased

514

00:16:15,590 --> 00:16:14,320

to see you

515

00:16:17,590 --> 00:16:15,600

and we'll get you something more than

516

00:16:18,870 --> 00:16:17,600

dog biscuits next week great

517

00:16:20,389 --> 00:16:18,880

the book's available everywhere and are

518

00:16:21,990 --> 00:16:20,399

you going on tour with fake medicine

519

00:16:23,110 --> 00:16:22,000

will there be the fake medicine tour

520

00:16:25,590 --> 00:16:23,120

which who knows you might get

521

00:16:27,670 --> 00:16:25,600

anti-vaxxers turning up oh yeah man

522

00:16:29,350 --> 00:16:27,680

yeah i can only hope that anti-vaxxers

523

00:16:31,350 --> 00:16:29,360

would turn up to a book launch

524

00:16:33,110 --> 00:16:31,360

uh we'll hopefully have a book launch in

525

00:16:33,670 --> 00:16:33,120

april uh where we're planning it at the

526
00:16:35,910 --> 00:16:33,680
moment

527
00:16:36,710 --> 00:16:35,920
uh you can buy the book on booktopia and

528
00:16:39,269 --> 00:16:36,720
amazon

529
00:16:40,389 --> 00:16:39,279
um and yeah just look up dr brad mckay

530
00:16:42,069 --> 00:16:40,399
my beautiful name

531
00:16:43,509 --> 00:16:42,079
and fake medicine and you'll be able to

532
00:16:44,470 --> 00:16:43,519
find it online

533
00:16:45,910 --> 00:16:44,480
because there'll be a link to that in

534
00:17:05,990 --> 00:16:45,920
the show notes go go over look there

535
00:17:09,270 --> 00:17:08,230
hello this is rob palmer you may have

536
00:17:11,029 --> 00:17:09,280
heard of me

537
00:17:12,789 --> 00:17:11,039
lately i've been interviewing scientists

538
00:17:14,470 --> 00:17:12,799

skeptics and other critical thinkers

539

00:17:16,230 --> 00:17:14,480

from around the world for my column in

540

00:17:18,760 --> 00:17:16,240

the skeptical inquirer

541

00:17:21,429 --> 00:17:18,770

and recently some for the skeptic zone

542

00:17:23,189 --> 00:17:21,439

[Music]

543

00:17:24,949 --> 00:17:23,199

my written interviews have included jane

544

00:17:25,829 --> 00:17:24,959

novella from the skeptic's guide to the

545

00:17:28,150 --> 00:17:25,839

universe

546

00:17:29,270 --> 00:17:28,160

mass psychogenic illness expert robert

547

00:17:32,070 --> 00:17:29,280

bartholomew

548

00:17:33,029 --> 00:17:32,080

celestia ward from squaring the strange

549

00:17:36,549 --> 00:17:33,039

psychic busting

550

00:17:38,950 --> 00:17:36,559

private i bob nygard skeptical activist

551

00:17:41,350 --> 00:17:38,960

michael marshall of the uk and even

552

00:17:43,990 --> 00:17:41,360

secular activists bailly harris and john

553

00:17:45,750 --> 00:17:44,000

de lancie that's cue from star trek

554

00:17:47,190 --> 00:17:45,760

i even interviewed believe it or not a

555

00:17:49,669 --> 00:17:47,200

magic dragon

556

00:17:51,430 --> 00:17:49,679

and another really well-known skeptic

557

00:17:53,510 --> 00:17:51,440

richard saunders

558

00:17:54,950 --> 00:17:53,520

you can find my online column with these

559

00:17:57,750 --> 00:17:54,960

interviews and more

560

00:17:59,590 --> 00:17:57,760

by googling the well-known skeptic plus

561

00:18:01,669 --> 00:17:59,600

skeptical inquire

562

00:18:02,870 --> 00:18:01,679

also follow me on facebook at the

563

00:18:12,830 --> 00:18:02,880

well-known skeptic

564

00:18:22,549 --> 00:18:13,890

cheers

565

00:18:30,390 --> 00:18:22,559

[Music]

566

00:18:37,830 --> 00:18:31,810

here's susan gerbic

567

00:18:42,470 --> 00:18:40,710

hello skeptic zone listeners it is susan

568

00:18:43,510 --> 00:18:42,480

gerbic from the gorilla skeptics

569

00:18:46,070 --> 00:18:43,520

projects

570

00:18:46,789 --> 00:18:46,080

and i wanted to tell you just oh this

571

00:18:50,070 --> 00:18:46,799

story

572

00:18:51,110 --> 00:18:50,080

about ken who was uh somebody that i

573

00:18:54,630 --> 00:18:51,120

found

574

00:18:56,549 --> 00:18:54,640

on youtube who had uploaded a video of a

575

00:18:58,950 --> 00:18:56,559

reading he had had with

576

00:19:01,110 --> 00:18:58,960

thomas john the grief vampire that i

577

00:19:03,510 --> 00:19:01,120

write so much about

578

00:19:04,230 --> 00:19:03,520

ken had an in-person reading with thomas

579

00:19:06,470 --> 00:19:04,240

john

580

00:19:07,750 --> 00:19:06,480

a few years ago and i wrote about this

581

00:19:09,990 --> 00:19:07,760

on an article

582

00:19:11,669 --> 00:19:10,000

for skeptical inquire called thomas john

583

00:19:12,070 --> 00:19:11,679

and the believers and it's from october

584

00:19:16,549 --> 00:19:12,080

9

585

00:19:18,070 --> 00:19:16,559

we can put it in the show notes in case

586

00:19:18,710 --> 00:19:18,080

you're interested in reading more about

587

00:19:23,750 --> 00:19:18,720

it

588

00:19:26,310 --> 00:19:23,760

today

589

00:19:28,150 --> 00:19:26,320

about you know if you were to show

590

00:19:30,870 --> 00:19:28,160

somebody

591

00:19:31,270 --> 00:19:30,880

with as much fact as possible i mean

592

00:19:33,029 --> 00:19:31,280

like

593

00:19:34,789 --> 00:19:33,039

right here here's the evidence that this

594

00:19:35,430 --> 00:19:34,799

psychic is cheating and reading your

595

00:19:37,350 --> 00:19:35,440

heart

596

00:19:39,990 --> 00:19:37,360

doing a hot reading and looking at your

597

00:19:42,950 --> 00:19:40,000

facebook page and your social media

598

00:19:43,669 --> 00:19:42,960

would they believe would they just go oh

599

00:19:46,789 --> 00:19:43,679

my gosh

600

00:19:49,029 --> 00:19:46,799

you're right he's a fraud well

601
00:19:53,350 --> 00:19:49,039
you know sometimes there's more to it

602
00:19:55,750 --> 00:19:53,360
than that

603
00:19:57,510 --> 00:19:55,760
i found this youtube video that this guy

604
00:19:59,830 --> 00:19:57,520
ken had put up as i said it was seven

605
00:20:02,789 --> 00:19:59,840
minutes long it's in person reading

606
00:20:04,149 --> 00:20:02,799
it was a show that ken had gone to so it

607
00:20:06,149 --> 00:20:04,159
was just audio

608
00:20:08,230 --> 00:20:06,159
it was an event that thomas john had

609
00:20:10,870 --> 00:20:08,240
advertised on his own facebook

610
00:20:11,270 --> 00:20:10,880
as i'm listening to this recording and

611
00:20:14,470 --> 00:20:11,280
it

612
00:20:16,950 --> 00:20:14,480
really a

613
00:20:19,029 --> 00:20:16,960

a big video or anything really super

614

00:20:23,190 --> 00:20:19,039

important i mean it was important to

615

00:20:25,029 --> 00:20:23,200

ken obviously as i was listening to it

616

00:20:26,310 --> 00:20:25,039

you know had all the typical hallmarks

617

00:20:27,990 --> 00:20:26,320

of hot read where

618

00:20:29,430 --> 00:20:28,000

you know some very specific things like

619

00:20:31,750 --> 00:20:29,440

somebody's name

620

00:20:33,510 --> 00:20:31,760

or something that could be easily found

621

00:20:35,750 --> 00:20:33,520

on a facebook page and i did i went over

622

00:20:37,430 --> 00:20:35,760

to his facebook page as well as

623

00:20:38,870 --> 00:20:37,440

a couple of my team members and we were

624

00:20:39,510 --> 00:20:38,880

looking through his facebook page and it

625

00:20:41,190 --> 00:20:39,520

was

626

00:20:44,149 --> 00:20:41,200

really obvious that they were some of

627

00:20:46,630 --> 00:20:44,159

the most recent postings

628

00:20:47,590 --> 00:20:46,640

at the time that this video was uploaded

629

00:20:49,110 --> 00:20:47,600

that

630

00:20:52,230 --> 00:20:49,120

somebody could be looking at the

631

00:20:53,909 --> 00:20:52,240

facebook page and then just relaying

632

00:20:55,750 --> 00:20:53,919

what was there something about a car

633

00:20:59,029 --> 00:20:55,760

being sold

634

00:21:03,270 --> 00:20:59,039

something about military awards

635

00:21:05,110 --> 00:21:03,280

and um a mention of somebody named anna

636

00:21:07,190 --> 00:21:05,120

that perplexed us for a couple minutes

637

00:21:09,029 --> 00:21:07,200

but we went and did a google search and

638

00:21:10,549 --> 00:21:09,039

we found the obituary that shows anna

639

00:21:12,950 --> 00:21:10,559

was married to

640

00:21:14,549 --> 00:21:12,960

ken's father years and years ago she

641

00:21:16,230 --> 00:21:14,559

died a long time ago

642

00:21:18,870 --> 00:21:16,240

that was an obituary it wasn't really

643

00:21:22,789 --> 00:21:18,880

hard it wasn't on facebook but it was on

644

00:21:24,870 --> 00:21:22,799

on an obit and so

645

00:21:26,950 --> 00:21:24,880

you know in the comment section of this

646

00:21:29,430 --> 00:21:26,960

youtube video

647

00:21:30,310 --> 00:21:29,440

ken had said some question about like

648

00:21:33,590 --> 00:21:30,320

you know

649

00:21:35,510 --> 00:21:33,600

think it's real so

650

00:21:37,190 --> 00:21:35,520

i felt like okay i'm gonna reach out to

651

00:21:38,870 --> 00:21:37,200

this guy and i did on facebook and i

652

00:21:42,390 --> 00:21:38,880

told him that i'm researching

653

00:21:45,270 --> 00:21:42,400

hot reading and um i'm curious about the

654

00:21:46,549 --> 00:21:45,280

reading he had received from thomas john

655

00:21:48,149 --> 00:21:46,559

i said

656

00:21:50,149 --> 00:21:48,159

you know some time has passed do you

657

00:21:51,830 --> 00:21:50,159

still think that it was a

658

00:21:54,070 --> 00:21:51,840

legitimate reading and that he wasn't

659

00:21:56,870 --> 00:21:54,080

reading your facebook page back to you

660

00:21:57,350 --> 00:21:56,880

and ken said oh no absolutely it was

661

00:22:01,350 --> 00:21:57,360

real

662

00:22:02,710 --> 00:22:01,360

speaking to my dead family members and

663

00:22:04,950 --> 00:22:02,720

so on

664

00:22:05,750 --> 00:22:04,960

and i said well look at your facebook

665

00:22:07,590 --> 00:22:05,760

page and i

666

00:22:09,190 --> 00:22:07,600

shared with him the screenshots we had

667

00:22:11,990 --> 00:22:09,200

taken and i said look

668

00:22:13,510 --> 00:22:12,000

here's the car here's this here's that

669

00:22:16,870 --> 00:22:13,520

and he's like no no

670

00:22:20,310 --> 00:22:16,880

um thomas john was getting at the

671

00:22:20,630 --> 00:22:20,320

at the reasons behind the car being sold

672

00:22:23,909 --> 00:22:20,640

and

673

00:22:26,630 --> 00:22:23,919

selling this car

674

00:22:27,110 --> 00:22:26,640

and you know we're conflicted about it

675

00:22:29,029 --> 00:22:27,120

and

676

00:22:30,470 --> 00:22:29,039

how we should sell or not sell it was

677

00:22:34,070 --> 00:22:30,480

you know really weighing on our

678

00:22:35,350 --> 00:22:34,080

minds and i said really and i went back

679

00:22:37,029 --> 00:22:35,360

and listened to the video again

680

00:22:39,270 --> 00:22:37,039

and nope that's not really what was

681

00:22:41,909 --> 00:22:39,280

going on what was going on was

682

00:22:44,230 --> 00:22:41,919

thomas john just said dad is okay with

683

00:22:46,710 --> 00:22:44,240

selling the car

684

00:22:48,070 --> 00:22:46,720

i'm like well that's okay yeah but you

685

00:22:49,510 --> 00:22:48,080

know if you're looking at his facebook

686

00:22:51,110 --> 00:22:49,520

page that's not

687

00:22:53,350 --> 00:22:51,120

saying much you know that's not really

688

00:22:55,110 --> 00:22:53,360

pulling up a lot of things well

689

00:22:57,190 --> 00:22:55,120

so i asked you and i said well what

690

00:22:59,190 --> 00:22:57,200

could i show you

691

00:23:00,789 --> 00:22:59,200

that would really convince you that this

692

00:23:03,510 --> 00:23:00,799

man is reading your

693

00:23:05,029 --> 00:23:03,520

facebook page or you know the social

694

00:23:08,789 --> 00:23:05,039

media posts

695

00:23:10,789 --> 00:23:08,799

and you know keep in mind that possibly

696

00:23:12,950 --> 00:23:10,799

the dead are reading the facebook pages

697

00:23:13,510 --> 00:23:12,960

and related thomas john and thomas john

698

00:23:14,789 --> 00:23:13,520

is in

699

00:23:16,470 --> 00:23:14,799

getting it from the spirit and then

700

00:23:18,149 --> 00:23:16,480

relaying it back to ken but that's kind

701
00:23:19,510 --> 00:23:18,159
of a confusing way of doing it

702
00:23:21,029 --> 00:23:19,520
seems like it'd be much easier just to

703
00:23:21,990 --> 00:23:21,039
go directly to facebook but you know

704
00:23:24,390 --> 00:23:22,000
what do i know i'm not

705
00:23:25,190 --> 00:23:24,400
psychic but i asked him i said so what

706
00:23:28,710 --> 00:23:25,200
would really

707
00:23:31,990 --> 00:23:28,720
be something i could show you to

708
00:23:34,310 --> 00:23:32,000
prove to you that he

709
00:23:35,029 --> 00:23:34,320
is looking you up and he says well the

710
00:23:37,029 --> 00:23:35,039
anna thing

711
00:23:38,710 --> 00:23:37,039
because you know there's no way anna's

712
00:23:41,350 --> 00:23:38,720
on my facebook page

713
00:23:42,470 --> 00:23:41,360

i'm like fair enough here's the obituary

714

00:23:44,710 --> 00:23:42,480

for your dad

715

00:23:45,909 --> 00:23:44,720

and it shows that he's proceeded in his

716

00:23:48,789 --> 00:23:45,919

death by his

717

00:23:50,149 --> 00:23:48,799

wife anna who died many years before

718

00:23:53,669 --> 00:23:50,159

there you go

719

00:23:56,870 --> 00:23:53,679

and ken's like no no that's that no

720

00:23:58,070 --> 00:23:56,880

that can't be it and i said well ken

721

00:24:00,789 --> 00:23:58,080

tells me

722

00:24:03,029 --> 00:24:00,799

there's no way thomas john could have

723

00:24:05,269 --> 00:24:03,039

known i was at the event

724

00:24:07,190 --> 00:24:05,279

that i was going to be at that event to

725

00:24:10,549 --> 00:24:07,200

look at my facebook page

726

00:24:13,390 --> 00:24:10,559

to be able to look and do an in-depth

727

00:24:14,870 --> 00:24:13,400

look at my social media because my

728

00:24:16,470 --> 00:24:14,880

step-sister

729

00:24:18,470 --> 00:24:16,480

bought the tickets and she doesn't have

730

00:24:20,470 --> 00:24:18,480

the same name and we're not even

731

00:24:23,190 --> 00:24:20,480

connected on facebook or anything so

732

00:24:23,909 --> 00:24:23,200

he wouldn't know i was going to be there

733

00:24:26,230 --> 00:24:23,919

and

734

00:24:27,990 --> 00:24:26,240

once we got there he didn't obviously

735

00:24:29,350 --> 00:24:28,000

know because

736

00:24:31,110 --> 00:24:29,360

you know i didn't even buy a ticket he

737

00:24:35,029 --> 00:24:31,120

didn't know my name

738

00:24:37,590 --> 00:24:35,039

so i said you know you got me there

739

00:24:39,029 --> 00:24:37,600

so how could thomas john have known you

740

00:24:42,310 --> 00:24:39,039

were going to be at this

741

00:24:44,070 --> 00:24:42,320

event if you didn't buy the ticket

742

00:24:45,510 --> 00:24:44,080

it's not in your name it's not using

743

00:24:47,830 --> 00:24:45,520

your credit card

744

00:24:49,909 --> 00:24:47,840

and once you got there you didn't fill

745

00:24:51,350 --> 00:24:49,919

out any papers or anything like that

746

00:24:52,950 --> 00:24:51,360

that gave away your name and he's like

747

00:24:54,390 --> 00:24:52,960

no no so there's no way he could have

748

00:24:58,070 --> 00:24:54,400

known i was going to be there so

749

00:24:59,909 --> 00:24:58,080

definitely he had to be talking to my

750

00:25:01,510 --> 00:24:59,919

family members so forget about the

751
00:25:02,310 --> 00:25:01,520
social media stuff he couldn't have been

752
00:25:05,350 --> 00:25:02,320
looking at it

753
00:25:08,070 --> 00:25:05,360
because he didn't know to look for it

754
00:25:09,029 --> 00:25:08,080
and you know i thought you're absolutely

755
00:25:11,190 --> 00:25:09,039
right

756
00:25:12,070 --> 00:25:11,200
so in my mind i'm thinking i'm not

757
00:25:13,510 --> 00:25:12,080
thinking he's

758
00:25:15,110 --> 00:25:13,520
he's speaking to the dead or anything

759
00:25:16,950 --> 00:25:15,120
like that still it wasn't convincing

760
00:25:19,269 --> 00:25:16,960
enough but i thought to myself

761
00:25:20,789 --> 00:25:19,279
there's something i'm missing and i just

762
00:25:22,549 --> 00:25:20,799
set it aside for a little bit and one of

763
00:25:24,710 --> 00:25:22,559

my team members who's

764

00:25:25,669 --> 00:25:24,720

who's uh really good at this kind of

765

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

stuff

766

00:25:29,110 --> 00:25:27,200

um he went over and he says you know i

767

00:25:32,149 --> 00:25:29,120

think i figured it out and he says no

768

00:25:34,149 --> 00:25:32,159

i know i figured it out and so what my

769

00:25:37,750 --> 00:25:34,159

team member did

770

00:25:40,470 --> 00:25:37,760

so thomas john had posted the event

771

00:25:42,149 --> 00:25:40,480

on thomas john's facebook page saying

772

00:25:45,669 --> 00:25:42,159

i'm having this event on this

773

00:25:49,190 --> 00:25:45,679

day buy your tickets blah blah blah so

774

00:25:52,230 --> 00:25:49,200

my team member looked at that thread

775

00:25:53,269 --> 00:25:52,240

and inside the thread part of the way

776

00:25:56,870 --> 00:25:53,279

down

777

00:25:58,390 --> 00:25:56,880

there is ken posting here's what it says

778

00:26:00,870 --> 00:25:58,400

i'm going to read it verbatim

779

00:26:01,990 --> 00:26:00,880

i just ordered tickets for this event

780

00:26:04,950 --> 00:26:02,000

excited

781

00:26:07,430 --> 00:26:04,960

however i realized after my credit card

782

00:26:10,549 --> 00:26:07,440

approved i misspelled my email address

783

00:26:13,669 --> 00:26:10,559

dang it and then thomas john

784

00:26:18,230 --> 00:26:13,679

responds email us them your information

785

00:26:22,549 --> 00:26:20,070

i'm looking right at it i got a nice

786

00:26:24,549 --> 00:26:22,559

screenshot of it there's ken's facebook

787

00:26:27,510 --> 00:26:24,559

page right there in front and he's

788

00:26:29,110 --> 00:26:27,520

responding to an event on a day so

789

00:26:35,029 --> 00:26:29,120

thomas john

790

00:26:36,630 --> 00:26:35,039

knows what day he's going to attend and

791

00:26:38,630 --> 00:26:36,640

ken's facebook page with

792

00:26:40,230 --> 00:26:38,640

all his posts showing all the things

793

00:26:42,149 --> 00:26:40,240

that thomas john relayed to him

794

00:26:43,590 --> 00:26:42,159

are right there on the page there is no

795

00:26:47,909 --> 00:26:43,600

missing it

796

00:26:52,630 --> 00:26:47,919

and i said to myself ken just lied to me

797

00:26:55,909 --> 00:26:52,640

he lied he absolutely lied to me

798

00:26:59,029 --> 00:26:55,919

i mean really

799

00:26:59,430 --> 00:26:59,039

and i so i reached out to ken again and

800

00:27:14,630 --> 00:26:59,440

i

801
00:27:17,750 --> 00:27:14,640
thomas john

802
00:27:20,310 --> 00:27:17,760
have known you were at the event

803
00:27:23,350 --> 00:27:20,320
but here you are posting on his his

804
00:27:26,470 --> 00:27:23,360
event page with your facebook page

805
00:27:28,870 --> 00:27:26,480
and ken wrote me back

806
00:27:30,710 --> 00:27:28,880
and he said just a good feeling for me

807
00:27:33,029 --> 00:27:30,720
that i choose to follow

808
00:27:34,070 --> 00:27:33,039
i am close to death myself and i very

809
00:27:37,029 --> 00:27:34,080
much want to feel

810
00:27:38,310 --> 00:27:37,039
good and that he said he went on to say

811
00:27:41,430 --> 00:27:38,320
he had multiple health

812
00:27:43,990 --> 00:27:41,440
issues medical issues and and it's

813
00:27:47,029 --> 00:27:44,000

leaving him with very bad thoughts

814

00:27:49,830 --> 00:27:47,039

so he wanted to believe that thomas john

815

00:27:52,789 --> 00:27:49,840

was speaking to his family members

816

00:27:54,310 --> 00:27:52,799

because he felt like he was nearing

817

00:27:57,590 --> 00:27:54,320

death himself

818

00:28:01,669 --> 00:27:57,600

and i said to myself

819

00:28:03,909 --> 00:28:01,679

wow you know you could show them

820

00:28:05,350 --> 00:28:03,919

proof that they're being cheated and

821

00:28:09,430 --> 00:28:05,360

lied to

822

00:28:11,269 --> 00:28:09,440

and some people are so desperate

823

00:28:13,909 --> 00:28:11,279

that they are willing to close their

824

00:28:16,470 --> 00:28:13,919

eyes and just say

825

00:28:17,909 --> 00:28:16,480

don't tell me more i don't want to know

826

00:28:21,269 --> 00:28:17,919

that he's cheating me

827

00:28:24,389 --> 00:28:21,279

and this is a lie i just don't

828

00:28:27,029 --> 00:28:24,399

because you know of reasons

829

00:28:29,110 --> 00:28:27,039

and i thought okay fair enough he's an

830

00:28:32,149 --> 00:28:29,120

adult he can do what he wants but i felt

831

00:28:33,350 --> 00:28:32,159

horrible for ken i really did i felt

832

00:28:35,510 --> 00:28:33,360

like

833

00:28:37,830 --> 00:28:35,520

you know here's a guy with a giant sign

834

00:28:39,990 --> 00:28:37,840

on his back that says you know

835

00:28:41,750 --> 00:28:40,000

i i could be cheated just go ahead and

836

00:28:45,830 --> 00:28:41,760

take advantage of me i don't care

837

00:28:48,230 --> 00:28:45,840

just take my money you know

838

00:28:49,590 --> 00:28:48,240

it was really sad he's a it just felt

839

00:28:51,350 --> 00:28:49,600

like he's somebody that they they're

840

00:28:53,430 --> 00:28:51,360

just going to prey on him you know

841

00:28:55,750 --> 00:28:53,440

a grief vampire for sure is going to

842

00:28:58,389 --> 00:28:55,760

take advantage of this guy

843

00:29:00,230 --> 00:28:58,399

just manipulating emotions manipulating

844

00:29:03,669 --> 00:29:00,240

the situation

845

00:29:06,710 --> 00:29:03,679

for for money power

846

00:29:09,990 --> 00:29:06,720

whatever anyway

847

00:29:11,350 --> 00:29:10,000

it's pretty sad but i want to leave you

848

00:29:12,070 --> 00:29:11,360

with this story because i think it's

849

00:29:14,549 --> 00:29:12,080

interesting

850

00:29:15,510 --> 00:29:14,559

way of looking at the psychology behind

851
00:29:18,789 --> 00:29:15,520
this

852
00:29:21,029 --> 00:29:18,799
that people some people

853
00:29:22,070 --> 00:29:21,039
are going to believe you know whether we

854
00:29:24,549 --> 00:29:22,080
prove it to them or not

855
00:29:25,830 --> 00:29:24,559
there's just nothing you can do in that

856
00:29:29,269 --> 00:29:25,840
case but i think it was an

857
00:29:31,350 --> 00:29:29,279
interesting look at it and

858
00:29:32,630 --> 00:29:31,360
i don't want to be a downer or anything

859
00:29:35,269 --> 00:29:32,640
like that so

860
00:29:36,630 --> 00:29:35,279
you know uh this article will be up on

861
00:29:38,630 --> 00:29:36,640
the show notes for

862
00:29:41,350 --> 00:29:38,640
skeptical zone maybe after this you should

863
00:29:44,710 --> 00:29:41,360

take your dog for a walk or something or

864

00:29:54,520 --> 00:29:44,720

watch some kitten or puppy videos but

865

00:30:09,430 --> 00:29:54,530

this is the world we live in thanks all

866

00:30:11,190 --> 00:30:09,440

[Music]

867

00:30:14,149 --> 00:30:11,200

this is kyle from the data skeptic

868

00:30:16,310 --> 00:30:14,159

podcast if you're curious about the way

869

00:30:17,190 --> 00:30:16,320

data is changing our world topics like

870

00:30:19,029 --> 00:30:17,200

ai and

871

00:30:21,110 --> 00:30:19,039

all this craziness with facebook and

872

00:30:22,950 --> 00:30:21,120

bots and the twitter storm and

873

00:30:25,029 --> 00:30:22,960

how the algorithms that underline that

874

00:30:25,990 --> 00:30:25,039

work and you don't want a technical deep

875

00:30:27,350 --> 00:30:26,000

dive you want it

876
00:30:28,950 --> 00:30:27,360
you know in the vernacular in a way that

877
00:30:30,789 --> 00:30:28,960
people can understand check us out at

878
00:30:32,870 --> 00:30:30,799
data skeptic that's what we try and do

879
00:30:34,549 --> 00:30:32,880
i interview advanced professionals in

880
00:30:35,029 --> 00:30:34,559
the field who do this sort of research

881
00:30:38,470 --> 00:30:35,039
and then

882
00:30:39,909 --> 00:30:38,480
i get into interesting projects as well

883
00:30:41,669 --> 00:30:39,919
[Music]

884
00:30:50,800 --> 00:30:41,679
we're a weekly show and you can find us

885
00:31:07,990 --> 00:30:50,810
at datasceptic.com

886
00:31:10,149 --> 00:31:08,000
[Music]

887
00:31:12,070 --> 00:31:10,159
the australian skeptics newsletter

888
00:31:14,310 --> 00:31:12,080

number 118

889

00:31:15,750 --> 00:31:14,320

written and compiled by tim bendum

890

00:31:19,269 --> 00:31:15,760

[Music]

891

00:31:22,630 --> 00:31:19,279

hi all it says the usual

892

00:31:25,990 --> 00:31:22,640

mix of the interesting concerning and

893

00:31:26,710 --> 00:31:26,000

strange fear and uncertainty about

894

00:31:28,789 --> 00:31:26,720

covert

895

00:31:30,310 --> 00:31:28,799

has given an opportunity for

896

00:31:33,029 --> 00:31:30,320

opportunists

897

00:31:34,389 --> 00:31:33,039

to pitch their message and or their

898

00:31:37,269 --> 00:31:34,399

products to

899

00:31:37,590 --> 00:31:37,279

help you cope thus creating more fear

900

00:31:43,430 --> 00:31:37,600

and

901
00:31:44,310 --> 00:31:43,440
critical thinking is seen as a weapon to

902
00:31:46,470 --> 00:31:44,320
fight this

903
00:31:47,669 --> 00:31:46,480
and it's good to see it slowly in the

904
00:31:50,310 --> 00:31:47,679
creeping in

905
00:31:53,190 --> 00:31:50,320
schools even in nigeria where

906
00:31:56,310 --> 00:31:53,200
superstition is prone and protected

907
00:32:00,230 --> 00:31:59,190
and each of the following items is also

908
00:32:03,830 --> 00:32:00,240
accompanied by

909
00:32:07,029 --> 00:32:03,840
a link to the full article when you uh

910
00:32:09,909 --> 00:32:07,039
subscribe to the newsletter and of

911
00:32:12,070 --> 00:32:09,919
course you can do that at skeptics.com

912
00:32:15,830 --> 00:32:12,080
and have this delivered into your inbox

913
00:32:21,269 --> 00:32:15,840

every other week

914

00:32:24,230 --> 00:32:21,279

kiwi xmp promotes anti-5g supplements

915

00:32:25,190 --> 00:32:24,240

former high-ranking new zealand national

916

00:32:29,269 --> 00:32:25,200

mp

917

00:32:30,230 --> 00:32:29,279

planning to sell a nutritional

918

00:32:32,509 --> 00:32:30,240

supplement

919

00:32:34,630 --> 00:32:32,519

claiming to protect users from

920

00:32:37,590 --> 00:32:34,640

electromagnetic radiation

921

00:32:38,310 --> 00:32:37,600

the supplement called presidium was

922

00:32:41,549 --> 00:32:38,320

developed by

923

00:32:42,870 --> 00:32:41,559

dr marco regario an italian

924

00:32:45,029 --> 00:32:42,880

microbiologist

925

00:32:46,310 --> 00:32:45,039

known for promoting pseudoscientific

926
00:32:49,110 --> 00:32:46,320
treatments his

927
00:32:49,750 --> 00:32:49,120
other products include a microbiotic

928
00:32:52,149 --> 00:32:49,760
yogurt

929
00:32:54,389 --> 00:32:52,159
said to treat a range of conditions

930
00:32:57,269 --> 00:32:54,399
including autism and aids

931
00:32:57,669 --> 00:32:57,279
and a pill purported to reverse aging

932
00:33:00,950 --> 00:32:57,679
and

933
00:33:03,430 --> 00:33:00,960
quote extend life to unimagined

934
00:33:05,509 --> 00:33:03,440
lengths end quote this is part of a

935
00:33:06,950 --> 00:33:05,519
growing industry of pseudoscientific

936
00:33:10,070 --> 00:33:06,960
medical treatments

937
00:33:12,549 --> 00:33:10,080
that have flourished in new zealand amid

938
00:33:14,870 --> 00:33:12,559

the rise of online misinformation and

939

00:33:17,269 --> 00:33:14,880

conspiracy theories

940

00:33:18,630 --> 00:33:17,279

clive palmer's covert vaccine ad

941

00:33:20,789 --> 00:33:18,640

factually wrong

942

00:33:22,070 --> 00:33:20,799

a full-page advertisement signed by

943

00:33:25,269 --> 00:33:22,080

clive palmer in

944

00:33:28,870 --> 00:33:25,279

the australian which is a newspaper

945

00:33:31,909 --> 00:33:28,880

questioning covert 19 vaccination quote

946

00:33:35,190 --> 00:33:31,919

contains factual inaccuracies and quote

947

00:33:36,789 --> 00:33:35,200

the tga says that's the therapeutic

948

00:33:39,269 --> 00:33:36,799

goods administration

949

00:33:40,950 --> 00:33:39,279

the advertisement claimed that

950

00:33:44,470 --> 00:33:40,960

authorities gave permission for the

951
00:33:47,269 --> 00:33:44,480
emergency use of covert 19 vaccines

952
00:33:48,630 --> 00:33:47,279
except there is no such thing as quote

953
00:33:51,190 --> 00:33:48,640
emergency use

954
00:33:52,230 --> 00:33:51,200
authorization end quote for covert 19

955
00:33:55,590 --> 00:33:52,240
vaccines

956
00:33:57,430 --> 00:33:55,600
in australia far-right extremists

957
00:33:59,029 --> 00:33:57,440
recruiting wellness groups and

958
00:34:01,909 --> 00:33:59,039
anti-vaxxers

959
00:34:03,430 --> 00:34:01,919
victoria police say that far-right

960
00:34:05,830 --> 00:34:03,440
extremist groups

961
00:34:06,630 --> 00:34:05,840
are drawing in new members from the

962
00:34:09,909 --> 00:34:06,640
wellness

963
00:34:12,230 --> 00:34:09,919

and anti-vaxxer communities online using

964

00:34:14,790 --> 00:34:12,240

the covert pandemic and outrage

965

00:34:16,389 --> 00:34:14,800

over state border closures as a quote

966

00:34:19,589 --> 00:34:16,399

recruiting tool

967

00:34:21,030 --> 00:34:19,599

in quote to swell their ranks

968

00:34:22,629 --> 00:34:21,040

in submissions to a federal

969

00:34:25,829 --> 00:34:22,639

parliamentary inquiry

970

00:34:27,349 --> 00:34:25,839

into extremism national security

971

00:34:30,069 --> 00:34:27,359

agencies report

972

00:34:31,909 --> 00:34:30,079

children as young as 13 are joining

973

00:34:35,190 --> 00:34:31,919

right-wing extremist groups

974

00:34:38,790 --> 00:34:35,200

which are getting more sophisticated

975

00:34:41,470 --> 00:34:38,800

quote they see the pandemic as proof

976
00:34:43,190 --> 00:34:41,480
of the failure of globalization

977
00:34:46,310 --> 00:34:43,200
multiculturalism

978
00:34:49,349 --> 00:34:46,320
and democracy and confirmation that

979
00:34:52,710 --> 00:34:49,359
social collapse and a race war are

980
00:34:55,669 --> 00:34:52,720
inevitable end quote said the Australian

981
00:34:58,710 --> 00:34:55,679
security intelligence organization in

982
00:35:06,470 --> 00:35:03,270
Americans are the most negative about 5g

983
00:35:07,589 --> 00:35:06,480
based on online searches in relation to

984
00:35:11,510 --> 00:35:07,599
5g

985
00:35:12,790 --> 00:35:11,520
UK based prolific testing used online

986
00:35:16,230 --> 00:35:12,800
analytics tool

987
00:35:16,790 --> 00:35:16,240
ahrefs to discover which countries in

988
00:35:19,510 --> 00:35:16,800

the world

989

00:35:21,109 --> 00:35:19,520

are the most negative of the technology

990

00:35:24,230 --> 00:35:21,119

as an aside

991

00:35:26,950 --> 00:35:24,240

the report actually says skeptical

992

00:35:27,910 --> 00:35:26,960

but that's not us thank you for that

993

00:35:30,069 --> 00:35:27,920

clarification

994

00:35:32,550 --> 00:35:30,079

tim it classified and grouped

995

00:35:36,310 --> 00:35:32,560

consistently recurring google searches

996

00:35:39,430 --> 00:35:36,320

by individuals on 5g such as

997

00:35:42,790 --> 00:35:39,440

is 5g dangerous is 5g

998

00:35:45,990 --> 00:35:42,800

safe is 5g harmful

999

00:35:49,870 --> 00:35:46,000

does 5g pose health risks and

1000

00:35:53,990 --> 00:35:49,880

does 5g cause slash spread

1001
00:35:57,349 --> 00:35:54,000
coronavirus covert 19 end quote

1002
00:35:58,950 --> 00:35:57,359
as online search is about 5g it found

1003
00:36:02,069 --> 00:35:58,960
that the united states

1004
00:36:04,870 --> 00:36:02,079
is in the number one spot

1005
00:36:07,109 --> 00:36:04,880
as americans are the most hesitant about

1006
00:36:11,589 --> 00:36:07,119
the emerging technology

1007
00:36:12,230 --> 00:36:11,599
with 374 700 skeptical online searches

1008
00:36:15,510 --> 00:36:12,240
regarding

1009
00:36:16,150 --> 00:36:15,520
5g each month in second position is the

1010
00:36:19,589 --> 00:36:16,160
uk

1011
00:36:23,069 --> 00:36:19,599
with 93 400 searches a month

1012
00:36:26,069 --> 00:36:23,079
and australia in third place with 32

1013
00:36:29,430 --> 00:36:26,079

970 searches although

1014

00:36:32,470 --> 00:36:29,440

on a per capita basis that would put uk

1015

00:36:33,270 --> 00:36:32,480

first and australia second at the other

1016

00:36:37,349 --> 00:36:33,280

end in

1017

00:36:40,550 --> 00:36:37,359

20th places denmark with an average of 1

1018

00:36:43,230 --> 00:36:40,560

410 searches per month

1019

00:36:45,030 --> 00:36:43,240

teaching critical thinking in nigeria

1020

00:36:47,670 --> 00:36:45,040

indefatigable skeptic

1021

00:36:48,150 --> 00:36:47,680

and rationalist leo iguay reports that

1022

00:36:50,310 --> 00:36:48,160

after

1023

00:36:52,069 --> 00:36:50,320

a long-running campaign nigerian

1024

00:36:54,069 --> 00:36:52,079

authorities are beginning to

1025

00:36:55,910 --> 00:36:54,079

allow the teaching of critical thinking

1026
00:36:58,470 --> 00:36:55,920
in schools quote

1027
00:37:00,790 --> 00:36:58,480
i received a letter from the oyo state

1028
00:37:02,630 --> 00:37:00,800
universal basic education board

1029
00:37:04,230 --> 00:37:02,640
granting us permission to organize

1030
00:37:06,150 --> 00:37:04,240
critical thinking workshops

1031
00:37:07,750 --> 00:37:06,160
and introduce critical thinking books

1032
00:37:10,870 --> 00:37:07,760
into primary schools

1033
00:37:13,750 --> 00:37:10,880
in the state and quote he says quote

1034
00:37:15,990 --> 00:37:13,760
oyo state is the first state in nigeria

1035
00:37:17,910 --> 00:37:16,000
to grant this permission end quote

1036
00:37:19,109 --> 00:37:17,920
so some good news there coming out of

1037
00:37:22,310 --> 00:37:19,119
africa

1038
00:37:25,910 --> 00:37:22,320

other items here say movie interlude

1039

00:37:27,829 --> 00:37:25,920

15 things you didn't know about bigfoot

1040

00:37:29,829 --> 00:37:27,839

a feature-length comedy follows a

1041

00:37:31,670 --> 00:37:29,839

hopelessly millennial reporter

1042

00:37:33,510 --> 00:37:31,680

on the most important assignment of his

1043

00:37:35,710 --> 00:37:33,520

career bigfoot

1044

00:37:38,150 --> 00:37:35,720

but after following a prominent

1045

00:37:39,109 --> 00:37:38,160

cryptozoologist into the appalachian

1046

00:37:41,990 --> 00:37:39,119

foothills

1047

00:37:43,990 --> 00:37:42,000

he's forced to answer the question quote

1048

00:37:46,390 --> 00:37:44,000

is a good story worth dying for

1049

00:37:47,510 --> 00:37:46,400

end quote a mockumentary take on social

1050

00:37:50,230 --> 00:37:47,520

media and

1051
00:37:50,950 --> 00:37:50,240
click bait reality journalism now

1052
00:37:53,670 --> 00:37:50,960
there's a link

1053
00:37:56,069 --> 00:37:53,680
for the trailer and the movie opens in

1054
00:37:59,270 --> 00:37:58,950
the newsletter goes on to advise that

1055
00:38:03,990 --> 00:37:59,280
the

1056
00:38:07,270 --> 00:38:04,000
skeptics will be out

1057
00:38:08,950 --> 00:38:07,280
very soon in fact the digital copies are

1058
00:38:10,790 --> 00:38:08,960
already with subscribers and i can

1059
00:38:12,470 --> 00:38:10,800
attest to that because i received mine

1060
00:38:15,750 --> 00:38:12,480
just a few days ago

1061
00:38:17,990 --> 00:38:15,760
in the email it has a major feature on

1062
00:38:20,790 --> 00:38:18,000
various mind control techniques

1063
00:38:22,069 --> 00:38:20,800

and the pseudoscience behind them also

1064

00:38:25,910 --> 00:38:22,079

included are

1065

00:38:29,270 --> 00:38:25,920

an in-depth look at biodynamics

1066

00:38:31,670 --> 00:38:29,280

a study on omens and prophecies

1067

00:38:32,870 --> 00:38:31,680

and a classic map of early australia

1068

00:38:35,069 --> 00:38:32,880

exploration

1069

00:38:36,630 --> 00:38:35,079

reinterpreted contact with

1070

00:38:39,270 --> 00:38:36,640

extraterrestrials

1071

00:38:39,670 --> 00:38:39,280

and the early results of a major study

1072

00:38:47,270 --> 00:38:39,680

on

1073

00:38:49,349 --> 00:38:47,280

also in the newsletter an overview of

1074

00:38:51,670 --> 00:38:49,359

upcoming events including events from

1075

00:38:53,109 --> 00:38:51,680

queensland the queensland skeptics the

1076

00:38:56,550 --> 00:38:53,119

canberra skeptics the vic

1077

00:38:57,990 --> 00:38:56,560

skeptics cafe gold coast skeptics perth

1078

00:39:01,990 --> 00:38:58,000

skeptics adelaide

1079

00:39:03,910 --> 00:39:02,000

and sydney now there's much more to read

1080

00:39:10,310 --> 00:39:03,920

in the australian skeptics newsletter

1081

00:39:15,620 --> 00:39:12,829

[Music]

1082

00:39:29,330 --> 00:39:15,630

www.skeptics.com

1083

00:40:22,829 --> 00:40:17,410

[Music]

1084

00:40:28,950 --> 00:40:25,130

foreign

1085

00:40:34,390 --> 00:40:30,550

now it's time once again to look into

1086

00:40:36,150 --> 00:40:34,400

the pages of trove at trove.nla.gov.au

1087

00:40:37,109 --> 00:40:36,160

the online resource from the australian

1088

00:40:40,230 --> 00:40:37,119

government

1089

00:40:44,230 --> 00:40:40,240

and the national library of australia

1090

00:40:47,510 --> 00:40:44,240

this is the online portal with

1091

00:40:49,190 --> 00:40:47,520

i guess thousands upon thousands upon

1092

00:40:50,950 --> 00:40:49,200

thousands of pages of news and

1093

00:40:53,349 --> 00:40:50,960

information from the past

1094

00:40:54,069 --> 00:40:53,359

all digitized from australian newspapers

1095

00:40:57,320 --> 00:40:54,079

gazettes

1096

00:41:00,150 --> 00:40:57,330

journals and so on

1097

00:41:01,670 --> 00:41:00,160

[Music]

1098

00:41:03,750 --> 00:41:01,680

now in the past we've been looking at

1099

00:41:07,109 --> 00:41:03,760

things like ouija boards

1100

00:41:08,069 --> 00:41:07,119

psychics clairvoyance dowsing that sort

1101
00:41:11,750 --> 00:41:08,079
of thing the

1102
00:41:14,230 --> 00:41:11,760
classics of skepticism plus a very long

1103
00:41:17,190 --> 00:41:14,240
series of investigating claims of the

1104
00:41:18,550 --> 00:41:17,200
paranormal from the 1950s

1105
00:41:20,470 --> 00:41:18,560
on this week's show we're going to look

1106
00:41:22,390 --> 00:41:20,480
at something that i've had very little

1107
00:41:24,690 --> 00:41:22,400
to do with over the years

1108
00:41:26,870 --> 00:41:24,700
and that is biorhythm

1109
00:41:29,030 --> 00:41:26,880
[Music]

1110
00:41:30,790 --> 00:41:29,040
and if you like me didn't know much

1111
00:41:33,510 --> 00:41:30,800
about biorhythms

1112
00:41:35,670 --> 00:41:33,520
let me start this segment with a look at

1113
00:41:41,750 --> 00:41:35,680

the skeptic's dictionary

1114

00:41:45,030 --> 00:41:41,760

at skeptic.com that's s-k-e-p-d-i-c

1115

00:41:49,589 --> 00:41:45,040

dot com skeptics dictionary by robert

1116

00:41:52,309 --> 00:41:49,599

carroll biorhythm

1117

00:41:54,790 --> 00:41:52,319

biorhythms is a pseudoscientific belief

1118

00:41:57,990 --> 00:41:54,800

that claims that our daily lives

1119

00:42:00,870 --> 00:41:58,000

are significantly affected by

1120

00:42:03,950 --> 00:42:00,880

rhythmic cycles overlooked by scientists

1121

00:42:07,190 --> 00:42:03,960

who study biological rhythms

1122

00:42:10,870 --> 00:42:07,200

biochronometry is the scientific study

1123

00:42:11,589 --> 00:42:10,880

of rhythmic and biological cycles or

1124

00:42:14,950 --> 00:42:11,599

clocks

1125

00:42:16,069 --> 00:42:14,960

such as the circadian circadian rhythms

1126

00:42:18,550 --> 00:42:16,079

are based upon

1127

00:42:19,750 --> 00:42:18,560

such things as our sensitivity to light

1128

00:42:22,309 --> 00:42:19,760

and darkness

1129

00:42:24,230 --> 00:42:22,319

which is related to our sleep

1130

00:42:27,589 --> 00:42:24,240

wakefulness patterns

1131

00:42:28,309 --> 00:42:27,599

biorhythms is not based upon scientific

1132

00:42:31,349 --> 00:42:28,319

study of

1133

00:42:32,950 --> 00:42:31,359

biological organisms the cycles of

1134

00:42:36,470 --> 00:42:32,960

biorhythm belief

1135

00:42:38,710 --> 00:42:36,480

do not originate in scientific study

1136

00:42:40,870 --> 00:42:38,720

nor have they been supported by anything

1137

00:42:43,030 --> 00:42:40,880

resembling a scientific study

1138

00:42:44,470 --> 00:42:43,040

the belief has been around for over 100

1139

00:42:47,349 --> 00:42:44,480

years and there

1140

00:42:49,670 --> 00:42:47,359

is yet to be a scientific journal that

1141

00:42:52,710 --> 00:42:49,680

has published a single article

1142

00:42:55,670 --> 00:42:52,720

supporting it there have been some three

1143

00:42:57,630 --> 00:42:55,680

dozen studies supporting biorhythms but

1144

00:43:00,790 --> 00:42:57,640

each of them suffers from

1145

00:43:03,670 --> 00:43:00,800

methodological and statistical errors

1146

00:43:05,990 --> 00:43:03,680

an examination of some 134 biorhythm

1147

00:43:09,270 --> 00:43:06,000

studies has found that the belief

1148

00:43:12,230 --> 00:43:09,280

is not valid it is empirically testable

1149

00:43:13,750 --> 00:43:12,240

and has been shown to be false now the

1150

00:43:16,230 --> 00:43:13,760

article is very interesting and it's

1151
00:43:19,510 --> 00:43:16,240
quite lengthy and it shows charts and

1152
00:43:22,230 --> 00:43:19,520
more information but it seems to me that

1153
00:43:26,390 --> 00:43:22,240
biorhythms can be used as a prop

1154
00:43:28,309 --> 00:43:26,400
for readings and so on and i'll link to

1155
00:43:29,750 --> 00:43:28,319
that in the show notes

1156
00:43:31,829 --> 00:43:29,760
but let's see what the Australian

1157
00:43:34,950 --> 00:43:31,839
newspapers and so on

1158
00:43:38,309 --> 00:43:34,960
have had to say about biorhythms in the

1159
00:43:41,829 --> 00:43:40,470
and one of the earliest references i

1160
00:43:44,630 --> 00:43:41,839
could find

1161
00:43:46,630 --> 00:43:44,640
comes from the Sunday Times in Perth

1162
00:43:48,270 --> 00:43:46,640
Western Australia dated the 4th of

1163
00:43:51,510 --> 00:43:48,280

november

1164

00:43:55,190 --> 00:43:51,520

1951 if you break a record

1165

00:43:59,390 --> 00:43:55,200

or your neck it's due to biorhythmics

1166

00:44:02,790 --> 00:43:59,400

victoria parkman's theory ever heard of

1167

00:44:06,829 --> 00:44:02,800

biorhythmics according to a chunky

1168

00:44:10,550 --> 00:44:06,839

balding swiss lawyer walter schifferly

1169

00:44:13,750 --> 00:44:10,560

45 now of ashburton street victoria park

1170

00:44:14,309 --> 00:44:13,760

biorhythmics govern your future just as

1171

00:44:17,109 --> 00:44:14,319

surely

1172

00:44:17,910 --> 00:44:17,119

as history records your past they

1173

00:44:20,390 --> 00:44:17,920

determine

1174

00:44:21,589 --> 00:44:20,400

when it's safe for a pilot to handle an

1175

00:44:24,470 --> 00:44:21,599

aircraft

1176

00:44:27,030 --> 00:44:24,480

when car driving is not desirable when

1177

00:44:30,390 --> 00:44:27,040

an athlete is likely to break records

1178

00:44:32,470 --> 00:44:30,400

or fail miserably and when a student can

1179

00:44:34,870 --> 00:44:32,480

pass an examination with honours

1180

00:44:35,670 --> 00:44:34,880

what's more they indicate whether it's

1181

00:44:38,710 --> 00:44:35,680

wise

1182

00:44:40,390 --> 00:44:38,720

for a young couple whose biorhythmics

1183

00:44:43,750 --> 00:44:40,400

may clash

1184

00:44:46,150 --> 00:44:43,760

to consider mastermoney schifferly who

1185

00:44:47,430 --> 00:44:46,160

practiced law in switzerland for 13

1186

00:44:49,510 --> 00:44:47,440

years

1187

00:44:51,829 --> 00:44:49,520

before migrating to western australia

1188

00:44:54,630 --> 00:44:51,839

with his family 16 months ago

1189

00:44:57,430 --> 00:44:54,640

is convinced that biorhythmics can make

1190

00:44:59,750 --> 00:44:57,440

a success of any business deal

1191

00:45:01,030 --> 00:44:59,760

with numerous authorities to support his

1192

00:45:03,349 --> 00:45:01,040

contentions

1193

00:45:04,230 --> 00:45:03,359

he says that it is commonly known that

1194

00:45:08,069 --> 00:45:04,240

despite a

1195

00:45:08,630 --> 00:45:08,079

regular mode of life our efficiency of

1196

00:45:11,990 --> 00:45:08,640

mind

1197

00:45:14,309 --> 00:45:12,000

and body changes daily for instance

1198

00:45:15,430 --> 00:45:14,319

he says it has been found that all

1199

00:45:18,470 --> 00:45:15,440

living creatures

1200

00:45:22,470 --> 00:45:18,480

plants animals and humans have a double

1201
00:45:25,109 --> 00:45:22,480
rhythmic movement in the organic system

1202
00:45:26,870 --> 00:45:25,119
goodness the so-called male period

1203
00:45:29,030 --> 00:45:26,880
comprises 23 days

1204
00:45:31,109 --> 00:45:29,040
while the female period comprises 28

1205
00:45:34,150 --> 00:45:31,119
days which has nothing to do with the

1206
00:45:37,750 --> 00:45:34,160
menstrual cycle it has been calculated

1207
00:45:38,550 --> 00:45:37,760
also that the peak point on the male

1208
00:45:41,750 --> 00:45:38,560
scale

1209
00:45:45,670 --> 00:45:41,760
is the sixth day and the lowest

1210
00:45:46,390 --> 00:45:45,680
the 18th in women the peak days are the

1211
00:45:48,950 --> 00:45:46,400
7th

1212
00:45:50,790 --> 00:45:48,960
and the 8th and the lowest is the 21st

1213
00:45:53,910 --> 00:45:50,800

and the 22nd days

1214

00:45:56,790 --> 00:45:53,920

to these is added a third rhythm period

1215

00:45:58,390 --> 00:45:56,800

known as the intellectual period of 33

1216

00:46:00,470 --> 00:45:58,400

days

1217

00:46:01,510 --> 00:46:00,480

so to put it briefly there are three

1218

00:46:04,790 --> 00:46:01,520

all-important

1219

00:46:07,990 --> 00:46:04,800

bodily rhythms to be considered mental

1220

00:46:11,670 --> 00:46:08,000

physical and intellectual from birth

1221

00:46:15,109 --> 00:46:11,680

each of us begins a life cycle of bodily

1222

00:46:18,309 --> 00:46:15,119

rhythms and these rhythms shiftly says

1223

00:46:19,510 --> 00:46:18,319

work in harmony to the mirror the

1224

00:46:22,630 --> 00:46:19,520

opportunity for

1225

00:46:25,670 --> 00:46:22,640

future success or failure first

1226

00:46:28,390 --> 00:46:25,680

there is the minus phase

1227

00:46:29,270 --> 00:46:28,400

which according to scientific research

1228

00:46:32,630 --> 00:46:29,280

is the time

1229

00:46:35,190 --> 00:46:32,640

in which strength and energy are rebuilt

1230

00:46:35,910 --> 00:46:35,200

as this phase means a treat internal

1231

00:46:38,710 --> 00:46:35,920

activity

1232

00:46:40,069 --> 00:46:38,720

for the various organs of the body it

1233

00:46:42,230 --> 00:46:40,079

naturally causes

1234

00:46:43,190 --> 00:46:42,240

a lessening in productivity and

1235

00:46:47,190 --> 00:46:43,200

efficiency

1236

00:46:51,270 --> 00:46:47,200

and loss of interest

1237

00:46:53,510 --> 00:46:51,280

in everyday happenings occurs

1238

00:46:54,630 --> 00:46:53,520

and i'll just put in a note here to say

1239

00:46:57,910 --> 00:46:54,640

some of the words

1240

00:46:58,630 --> 00:46:57,920

in this copy are a little bit faded so

1241

00:47:01,109 --> 00:46:58,640

i'm

1242

00:47:02,069 --> 00:47:01,119

just sort of piecing together what they

1243

00:47:05,510 --> 00:47:02,079

say

1244

00:47:06,790 --> 00:47:05,520

we read on it's the time of regeneration

1245

00:47:10,390 --> 00:47:06,800

and renewal

1246

00:47:11,109 --> 00:47:10,400

of faculties then comes the plus phase

1247

00:47:14,069 --> 00:47:11,119

the time

1248

00:47:14,950 --> 00:47:14,079

of productivity when all the reserves

1249

00:47:18,630 --> 00:47:14,960

are completely

1250

00:47:21,510 --> 00:47:18,640

restored and efficiency is highest

1251
00:47:24,150 --> 00:47:21,520
when the two plus phases coincide

1252
00:47:25,270 --> 00:47:24,160
sportsmen will shatter records and

1253
00:47:29,030 --> 00:47:25,280
there's little risk

1254
00:47:32,390 --> 00:47:29,040
of dangerous consequences shifferly

1255
00:47:35,030 --> 00:47:32,400
tells us it is advisable to undergo

1256
00:47:37,349 --> 00:47:35,040
psychological treatment surgical and

1257
00:47:40,309 --> 00:47:37,359
dental operations etc

1258
00:47:40,950 --> 00:47:40,319
in the plus phase but he says the

1259
00:47:45,109 --> 00:47:40,960
transit

1260
00:47:47,349 --> 00:47:45,119
days from plus to minus and vice versa

1261
00:47:48,549 --> 00:47:47,359
should be carefully avoided as these are

1262
00:47:51,109 --> 00:47:48,559
critical days

1263
00:47:51,750 --> 00:47:51,119

and there is less resistance to loss of

1264

00:47:54,790 --> 00:47:51,760

blood

1265

00:47:57,990 --> 00:47:54,800

infections or thrombosis

1266

00:47:59,589 --> 00:47:58,000

and embolisms the intellectual rhythm of

1267

00:48:03,270 --> 00:47:59,599

33 days

1268

00:48:03,670 --> 00:48:03,280

16 and a half days plus and 16 and a

1269

00:48:07,109 --> 00:48:03,680

half

1270

00:48:09,510 --> 00:48:07,119

days minus is important when assessing

1271

00:48:10,790 --> 00:48:09,520

the right time for strenuous

1272

00:48:13,589 --> 00:48:10,800

intellectual work

1273

00:48:14,870 --> 00:48:13,599

cheerfully is convinced that the

1274

00:48:18,150 --> 00:48:14,880

knowledge of the

1275

00:48:21,670 --> 00:48:18,160

periods is important for

1276

00:48:24,630 --> 00:48:21,680

avoiding accidents as a rhythmogram

1277

00:48:25,990 --> 00:48:24,640

began at birth can indicate the

1278

00:48:29,829 --> 00:48:26,000

dangerous days

1279

00:48:34,230 --> 00:48:29,839

in our lives a number of medical tests

1280

00:48:36,870 --> 00:48:34,240

provide proof he says of the accuracy of

1281

00:48:39,030 --> 00:48:36,880

biorhythmic periods coincidence of the

1282

00:48:42,710 --> 00:48:39,040

plus phase of the 28-day

1283

00:48:45,349 --> 00:48:42,720

and 33-day rhythm means that the typical

1284

00:48:48,470 --> 00:48:45,359

time of creative work in art

1285

00:48:51,190 --> 00:48:48,480

invention and construction also great

1286

00:48:54,069 --> 00:48:51,200

capacity in mental comprehension

1287

00:48:54,870 --> 00:48:54,079

of persistence of mind in dangerous

1288

00:48:57,829 --> 00:48:54,880

moments

1289

00:48:59,829 --> 00:48:57,839

will be at its highest during the time

1290

00:49:00,549 --> 00:48:59,839

of the minus phase in the intellectual

1291

00:49:02,630 --> 00:49:00,559

rhythm

1292

00:49:04,230 --> 00:49:02,640

and perhaps at the same time in the

1293

00:49:07,109 --> 00:49:04,240

28-day period

1294

00:49:08,470 --> 00:49:07,119

it will be advisable to take time off

1295

00:49:11,030 --> 00:49:08,480

for reflection

1296

00:49:11,670 --> 00:49:11,040

on the past achievements in order to

1297

00:49:14,630 --> 00:49:11,680

restore

1298

00:49:15,589 --> 00:49:14,640

and renew all the resources used during

1299

00:49:18,390 --> 00:49:15,599

the time

1300

00:49:19,510 --> 00:49:18,400

of the minus phase swiss air force

1301
00:49:21,750 --> 00:49:19,520
administration

1302
00:49:22,710 --> 00:49:21,760
found out by investigating 60 accidents

1303
00:49:25,510 --> 00:49:22,720
he says

1304
00:49:26,870 --> 00:49:25,520
that more than a third happened on the

1305
00:49:30,309 --> 00:49:26,880
periodical days

1306
00:49:33,910 --> 00:49:30,319
according to rhythmogram

1307
00:49:36,150 --> 00:49:33,920
later prepared of those injured

1308
00:49:37,030 --> 00:49:36,160
he believes physicians and surgeons

1309
00:49:40,390 --> 00:49:37,040
should heed

1310
00:49:41,349 --> 00:49:40,400
patients rhythmograms to learn the times

1311
00:49:43,910 --> 00:49:41,359
of crisis

1312
00:49:46,710 --> 00:49:43,920
when he was practicing law overseas

1313
00:49:49,910 --> 00:49:46,720

shifa lee studied biorhythmics

1314

00:49:51,030 --> 00:49:49,920

merely as a hobby now after years of

1315

00:49:54,069 --> 00:49:51,040

experience

1316

00:49:55,990 --> 00:49:54,079

at handling domestic disputes

1317

00:49:57,829 --> 00:49:56,000

he feels that young couples can

1318

00:50:01,349 --> 00:49:57,839

determine beforehand

1319

00:50:04,670 --> 00:50:01,359

if they are rhythmically suited to marry

1320

00:50:08,830 --> 00:50:04,680

sportsman 2 he feels should welcome

1321

00:50:12,069 --> 00:50:09,910

[Music]

1322

00:50:14,150 --> 00:50:12,079

now in reading that i'm slightly

1323

00:50:16,069 --> 00:50:14,160

surprised that biorhythms have sort of

1324

00:50:19,190 --> 00:50:16,079

faded into obscurity

1325

00:50:20,870 --> 00:50:19,200

there's a wealth of

1326
00:50:22,150 --> 00:50:20,880
things you could do with interpreting

1327
00:50:24,390 --> 00:50:22,160
charts and looking at them and

1328
00:50:26,549 --> 00:50:24,400
convincing people and

1329
00:50:31,430 --> 00:50:26,559
so on just like we see with astrology

1330
00:50:35,430 --> 00:50:33,589
the next time i stumbled across

1331
00:50:36,630 --> 00:50:35,440
something to do with biorhythms in the

1332
00:50:39,349 --> 00:50:36,640
archives

1333
00:50:41,510 --> 00:50:39,359
comes to us from the australian woman's

1334
00:50:44,230 --> 00:50:41,520
weekly magazine and this is dated from

1335
00:50:47,750 --> 00:50:44,240
the 20th of december 1978

1336
00:50:50,790 --> 00:50:47,760
and it's like a short advertisement

1337
00:50:53,829 --> 00:50:50,800
biorhythms have you just

1338
00:50:55,750 --> 00:50:53,839

had one of those days when everything

1339

00:50:58,950 --> 00:50:55,760

seems to go wrong

1340

00:51:00,069 --> 00:50:58,960

have your own biorhythm chart for the

1341

00:51:03,270 --> 00:51:00,079

next 12 months

1342

00:51:06,230 --> 00:51:03,280

accurately plotted by computer

1343

00:51:08,549 --> 00:51:06,240

and be prepared for the next bad day the

1344

00:51:11,349 --> 00:51:08,559

chart will allow you to see at a glance

1345

00:51:13,109 --> 00:51:11,359

when your critical days are due exercise

1346

00:51:15,109 --> 00:51:13,119

more caution on these days

1347

00:51:16,549 --> 00:51:15,119

and reduce the chance of accidents and

1348

00:51:19,109 --> 00:51:16,559

mistakes

1349

00:51:20,870 --> 00:51:19,119

choice of two types of chart personal

1350

00:51:23,910 --> 00:51:20,880

biorhythm chart

1351
00:51:24,710 --> 00:51:23,920
seven dollars one person charted for 12

1352
00:51:27,990 --> 00:51:24,720
months

1353
00:51:30,910 --> 00:51:28,000
compatibility by a rhythm chart 12

1354
00:51:33,270 --> 00:51:30,920
two people plotted side by side with

1355
00:51:35,990 --> 00:51:33,280
compatibility rating

1356
00:51:36,390 --> 00:51:36,000
simply send us your name and birth date

1357
00:51:39,510 --> 00:51:36,400
2

1358
00:51:42,549 --> 00:51:39,520
for compatibility chart enclosed check

1359
00:51:46,630 --> 00:51:42,559
money order or bank card number with

1360
00:51:47,589 --> 00:51:46,640
signature please allow 14 days for

1361
00:51:51,270 --> 00:51:47,599
delivery

1362
00:51:54,950 --> 00:51:51,280
send to computer charts

1363
00:51:58,230 --> 00:51:54,960

po box c192 clarence

1364

00:52:03,589 --> 00:51:58,240

street sydney 2000 office

1365

00:52:06,150 --> 00:52:03,599

12 harris street balmain 2041.

1366

00:52:08,309 --> 00:52:06,160

i wonder what is that 12 harris street

1367

00:52:10,630 --> 00:52:08,319

balmain at the moment

1368

00:52:13,109 --> 00:52:10,640

now here's another item from the

1369

00:52:16,150 --> 00:52:13,119

canberra times dated the 25th of january

1370

00:52:19,510 --> 00:52:16,160

1979 so not very long after that

1371

00:52:23,430 --> 00:52:19,520

advertisement biorhythms theory

1372

00:52:26,109 --> 00:52:23,440

in sport dismissed a brisbane scientist

1373

00:52:27,270 --> 00:52:26,119

dismissed yesterday assertions that

1374

00:52:30,549 --> 00:52:27,280

biorhythms

1375

00:52:33,829 --> 00:52:30,559

being in the right phase helped athletes

1376

00:52:36,950 --> 00:52:33,839

break world records in one word

1377

00:52:39,030 --> 00:52:36,960

bunkum dr brian quigley

1378

00:52:40,870 --> 00:52:39,040

of the university of queensland said

1379

00:52:43,990 --> 00:52:40,880

that while internal body

1380

00:52:45,030 --> 00:52:44,000

clocks might exist there has been no

1381

00:52:47,990 --> 00:52:45,040

proof that they

1382

00:52:48,790 --> 00:52:48,000

affected sports performance in any

1383

00:52:51,190 --> 00:52:48,800

pattern

1384

00:52:52,549 --> 00:52:51,200

he told the sport science section that

1385

00:52:55,510 --> 00:52:52,559

research he had done

1386

00:52:58,309 --> 00:52:55,520

showed athletes set new marks at all

1387

00:53:00,230 --> 00:52:58,319

stages of their bodily cycles

1388

00:53:03,270 --> 00:53:00,240

ron clark one of australia's most

1389

00:53:06,549 --> 00:53:03,280

prolific record breakers on the track

1390

00:53:08,950 --> 00:53:06,559

had performed at his peak when the three

1391

00:53:10,069 --> 00:53:08,960

criteria physical emotional and

1392

00:53:13,750 --> 00:53:10,079

intellectual

1393

00:53:14,069 --> 00:53:13,760

were high but he had broken records also

1394

00:53:16,470 --> 00:53:14,079

on

1395

00:53:18,309 --> 00:53:16,480

critical days when the supporters of

1396

00:53:22,030 --> 00:53:18,319

biorhythms theory

1397

00:53:25,349 --> 00:53:22,040

said he should have run well below power

1398

00:53:27,829 --> 00:53:25,359

biorhythms are not having any effect

1399

00:53:28,870 --> 00:53:27,839

at all on when people break australian

1400

00:53:32,069 --> 00:53:28,880

records

1401

00:53:33,109 --> 00:53:32,079

dr quigley said there is just no obvious

1402

00:53:37,109 --> 00:53:33,119

pattern

1403

00:53:40,470 --> 00:53:37,119

like clark sprint champion paul narracot

1404

00:53:41,190 --> 00:53:40,480

had broken records on double critical

1405

00:53:44,549 --> 00:53:41,200

days

1406

00:53:49,990 --> 00:53:44,559

and when he had been very high

1407

00:53:52,390 --> 00:53:50,000

on his bio cycle biocycle

1408

00:53:53,349 --> 00:53:52,400

when asked whether biorhythms affected

1409

00:53:56,710 --> 00:53:53,359

the setting

1410

00:53:59,990 --> 00:53:56,720

of sports records he flashed the word

1411

00:54:01,990 --> 00:54:00,000

bunkum on the lecture room screen from

1412

00:54:04,710 --> 00:54:02,000

his slide projector

1413

00:54:07,829 --> 00:54:04,720

dr quigley said he first became

1414

00:54:09,030 --> 00:54:07,839

interested in biorhythms before the 1976

1415

00:54:11,510 --> 00:54:09,040

olympic games

1416

00:54:12,790 --> 00:54:11,520

when he was approached by the mother of

1417

00:54:16,470 --> 00:54:12,800

steve holland

1418

00:54:19,829 --> 00:54:16,480

the 1500 meter swimmer she was

1419

00:54:22,549 --> 00:54:19,839

interested in the possible biorhythmic

1420

00:54:23,670 --> 00:54:22,559

effects on her son's performance in

1421

00:54:26,710 --> 00:54:23,680

montreal

1422

00:54:29,430 --> 00:54:26,720

and had begun investigating the theories

1423

00:54:31,030 --> 00:54:29,440

but his advice to her at the time was to

1424

00:54:34,069 --> 00:54:31,040

ignore them

1425

00:54:35,910 --> 00:54:34,079

and it would be the same now dr quigley

1426

00:54:38,789 --> 00:54:35,920

said that predictions of a triple

1427

00:54:39,910 --> 00:54:38,799

high could hardly improve holland's

1428

00:54:41,589 --> 00:54:39,920

performance

1429

00:54:44,309 --> 00:54:41,599

and a triple low would have been

1430

00:54:46,230 --> 00:54:44,319

disastrous for his morale

1431

00:54:48,470 --> 00:54:46,240

and the next item we find again is from

1432

00:54:52,549 --> 00:54:48,480

the canberra times

1433

00:54:55,670 --> 00:54:52,559

dated the 19th of may 1983

1434

00:54:57,190 --> 00:54:55,680

no biorhythm linked to accidents perth

1435

00:54:59,430 --> 00:54:57,200

there is no evidence connecting

1436

00:55:01,990 --> 00:54:59,440

biorhythm critical days

1437

00:55:02,549 --> 00:55:02,000

and industrial accidents according to a

1438

00:55:06,150 --> 00:55:02,559

survey

1439

00:55:09,030 --> 00:55:06,160

in western australia dr g skelter

1440

00:55:11,510 --> 00:55:09,040

and mr j weaver of the university of

1441

00:55:14,309 --> 00:55:11,520

western australia conducted a study

1442

00:55:16,549 --> 00:55:14,319

on a saw milling company they reported

1443

00:55:17,510 --> 00:55:16,559

the results in perth yesterday to the

1444

00:55:19,510 --> 00:55:17,520

congress

1445

00:55:21,270 --> 00:55:19,520

of the australian and new zealand

1446

00:55:22,230 --> 00:55:21,280

association for the advancement of

1447

00:55:24,789 --> 00:55:22,240

science

1448

00:55:26,789 --> 00:55:24,799

the survey took account of all accidents

1449

00:55:28,870 --> 00:55:26,799

reported to the company's first eight

1450

00:55:32,950 --> 00:55:28,880

officers during the last three months

1451

00:55:37,470 --> 00:55:32,960
of 1977 and the whole of 1978

1452

00:55:40,789 --> 00:55:37,480
and included 1239 accidents involving

1453

00:55:42,309 --> 00:55:40,799
571 employees employee details such as

1454

00:55:44,710 --> 00:55:42,319
birth dates were recorded

1455

00:55:46,069 --> 00:55:44,720
and the critical bio rhythm dates for

1456

00:55:49,270 --> 00:55:46,079
each accident

1457

00:55:51,270 --> 00:55:49,280
victim determined by computer

1458

00:55:53,430 --> 00:55:51,280
critical days had been suggested as

1459

00:55:56,470 --> 00:55:53,440
being associated with an increase

1460

00:55:58,309 --> 00:55:56,480
in potential for human error and

1461

00:56:01,109 --> 00:55:58,319
consequently with an

1462

00:56:02,630 --> 00:56:01,119
increase in the likelihood of accidents

1463

00:56:05,270 --> 00:56:02,640

the researchers said

1464

00:56:06,630 --> 00:56:05,280

the results obtained in this study

1465

00:56:09,510 --> 00:56:06,640

suggested that

1466

00:56:10,950 --> 00:56:09,520

there was no relationship even when

1467

00:56:13,750 --> 00:56:10,960

biorhythm

1468

00:56:14,710 --> 00:56:13,760

critical days were measured in a variety

1469

00:56:17,990 --> 00:56:14,720

of ways

1470

00:56:19,190 --> 00:56:18,000

or when overall serious accidents were

1471

00:56:21,589 --> 00:56:19,200

investigated

1472

00:56:23,190 --> 00:56:21,599

they said the sequence of accidents

1473

00:56:25,270 --> 00:56:23,200

observed was not different

1474

00:56:26,950 --> 00:56:25,280

than might have been expected for

1475

00:56:30,630 --> 00:56:26,960

accidents occurring

1476
00:56:32,549 --> 00:56:30,640
randomly through time and the very last

1477
00:56:33,430 --> 00:56:32,559
mention of biorhythms in this little

1478
00:56:36,069 --> 00:56:33,440
series

1479
00:56:38,549 --> 00:56:36,079
comes to us from 1985 from the canberra

1480
00:56:42,829 --> 00:56:38,559
times once again on the 6th of february

1481
00:56:45,510 --> 00:56:42,839
and it's a tiny little advertisement

1482
00:56:50,150 --> 00:56:45,520
psychometry clairvoyant readings

1483
00:56:56,829 --> 00:56:50,160
also biorhythms phone 732239

1484
00:57:00,150 --> 00:56:58,470
732239

1485
00:57:03,030 --> 00:57:00,160
and that's typical of a lot of the other

1486
00:57:04,789 --> 00:57:03,040
things i found in researching biorhythms

1487
00:57:07,510 --> 00:57:04,799
they were

1488
00:57:09,750 --> 00:57:07,520

intertwined with psychic readings and

1489

00:57:12,870 --> 00:57:09,760

tarot cards and

1490

00:57:14,630 --> 00:57:12,880

astrology and that sort of thing

1491

00:57:16,789 --> 00:57:14,640

so there you are a fascinating look at

1492

00:57:21,589 --> 00:57:16,799

something that we hardly hear about

1493

00:57:24,549 --> 00:57:21,599

at all at all it's like phrenology

1494

00:57:27,030 --> 00:57:24,559

you don't hear about that and now

1495

00:57:29,430 --> 00:57:27,040

biorhythms has joined the

1496

00:57:30,309 --> 00:57:29,440

surprisingly short list in one respect

1497

00:57:33,109 --> 00:57:30,319

of

1498

00:57:34,390 --> 00:57:33,119

strange and interesting beliefs that

1499

00:57:36,390 --> 00:57:34,400

have been

1500

00:57:37,589 --> 00:57:36,400

well consigned to the dust bin of

1501

00:57:39,030 --> 00:57:37,599

history

1502

00:57:41,589 --> 00:57:39,040

thank you the national library of

1503

00:57:43,829 --> 00:57:41,599

australia and your hard-working staff

1504

00:57:46,630 --> 00:57:43,839

who set about to digitize

1505

00:57:49,349 --> 00:57:46,640

thousands upon thousands of magazines

1506

00:57:51,349 --> 00:57:49,359

and newspapers and so on

1507

00:57:54,420 --> 00:57:51,359

and i will link to trove in this week's

1508

00:58:10,950 --> 00:57:54,430

show notes

1509

00:58:14,309 --> 00:58:12,390

thank you for listening to the skeptic

1510

00:58:16,309 --> 00:58:14,319

zone on next week's show

1511

00:58:17,589 --> 00:58:16,319

the continuing main art interview with

1512

00:58:19,910 --> 00:58:17,599

dr brad

1513

00:58:21,589 --> 00:58:19,920

next week maynard and brad look at flat

1514

00:58:23,589 --> 00:58:21,599

earthers

1515

00:58:25,190 --> 00:58:23,599

well that sort of gets wrapped up in

1516

00:58:26,789 --> 00:58:25,200

conspiracy theories which is an

1517

00:58:30,150 --> 00:58:26,799

important part of why people

1518

00:58:33,910 --> 00:58:30,160

look to fake medicine and also

1519

00:58:37,109 --> 00:58:33,920

conspiracies about covert 19 pete evans

1520

00:58:40,470 --> 00:58:37,119

the former tv

1521

00:58:43,510 --> 00:58:40,480

chef who we talk about often on the show

1522

00:58:45,750 --> 00:58:43,520

and social media and don't forget you

1523

00:58:48,069 --> 00:58:45,760

can check out dr brad's new book

1524

00:58:49,589 --> 00:58:48,079

fake medicine via the links in this

1525

00:58:51,670 --> 00:58:49,599

week's show notes

1526

00:58:53,190 --> 00:58:51,680

also on next week's show in the trove

1527

00:58:56,950 --> 00:58:53,200

segment we're going to look

1528

00:58:58,069 --> 00:58:56,960

at references over the years to dr carl

1529

00:59:00,870 --> 00:58:58,079

sagan

1530

00:59:02,470 --> 00:59:00,880

what have the australian press and other

1531

00:59:04,710 --> 00:59:02,480

press in the area

1532

00:59:07,270 --> 00:59:04,720

what have they been publishing or have

1533

00:59:10,230 --> 00:59:07,280

had said about dr carl sagan

1534

00:59:11,670 --> 00:59:10,240

over the years well now many years ago

1535

00:59:13,109 --> 00:59:11,680

also we're going to be hearing more

1536

00:59:14,789 --> 00:59:13,119

about the great australian psychic

1537

00:59:18,470 --> 00:59:14,799

prediction project

1538

00:59:21,589 --> 00:59:18,480

with the piece written by relatively new

1539

00:59:24,309 --> 00:59:21,599

skeptic zone correspondent adrian hill

1540

00:59:24,870 --> 00:59:24,319

oh if only we could peer into the future

1541

00:59:26,390 --> 00:59:24,880

well

1542

00:59:28,470 --> 00:59:26,400

we seem to have enough trouble peering

1543

00:59:30,230 --> 00:59:28,480

into the past sometimes

1544

00:59:31,589 --> 00:59:30,240

maybe you're like me maybe sometimes

1545

00:59:32,950 --> 00:59:31,599

you'd like to go into the mythical time

1546

00:59:35,750 --> 00:59:32,960

machine

1547

00:59:37,030 --> 00:59:35,760

and go and change the past correct an

1548

00:59:39,990 --> 00:59:37,040

error

1549

00:59:42,230 --> 00:59:40,000

or something like that and that's the

1550

00:59:44,950 --> 00:59:42,240

stuff of uh

1551
00:59:45,750 --> 00:59:44,960
science fiction novels i'm afraid but it

1552
00:59:47,270 --> 00:59:45,760
does

1553
00:59:49,430 --> 00:59:47,280
lead to very interesting thought

1554
00:59:51,349 --> 00:59:49,440
experiments like you go back and you

1555
00:59:53,109 --> 00:59:51,359
correct your error only to come back to

1556
00:59:54,630 --> 00:59:53,119
the future where the error never existed

1557
00:59:56,150 --> 00:59:54,640
and the ramifications it's like the

1558
00:59:57,670 --> 00:59:56,160
butterfly effect i guess

1559
01:00:00,630 --> 00:59:57,680
and the other theory says it's happening

1560
01:00:03,510 --> 01:00:00,640
all the time and what we perceive as the

1561
01:00:05,430 --> 01:00:03,520
past has only been recently created

1562
01:00:06,549 --> 01:00:05,440
last week by some kid who invented a

1563
01:00:08,789 --> 01:00:06,559

time machine

1564

01:00:10,710 --> 01:00:08,799

but we would never know the difference

1565

01:00:11,990 --> 01:00:10,720

so maybe in the real past

1566

01:00:14,069 --> 01:00:12,000

i'm the audience and you're the

1567

01:00:15,910 --> 01:00:14,079

podcaster hmm

1568

01:00:17,829 --> 01:00:15,920

thank you to those people who continue

1569

01:00:20,630 --> 01:00:17,839

to support the skeptic zone via patreon

1570

01:00:23,109 --> 01:00:20,640

or paypal at skepticzone.tv

1571

01:00:26,390 --> 01:00:23,119

apart from helping pay for the ongoing

1572

01:00:28,710 --> 01:00:26,400

cost of the skeptic zone of course

1573

01:00:29,829 --> 01:00:28,720

to be frank i use some of that money

1574

01:00:32,950 --> 01:00:29,839

just to pay bills

1575

01:00:35,589 --> 01:00:32,960

just everyday bills because of the time

1576

01:00:37,670 --> 01:00:35,599

uh i need to spend producing the skeptic

1577

01:00:39,030 --> 01:00:37,680

zone every week but i think it all works

1578

01:00:41,829 --> 01:00:39,040

out very well

1579

01:00:42,789 --> 01:00:41,839

and my gratitude and appreciation to

1580

01:00:44,789 --> 01:00:42,799

those people who

1581

01:00:46,230 --> 01:00:44,799

chip in who contribute and if you'd like

1582

01:00:47,030 --> 01:00:46,240

to be one of them well you know what to

1583

01:00:49,829 --> 01:00:47,040

do

1584

01:00:51,190 --> 01:00:49,839

click that link at skepticzone.tv and

1585

01:00:52,789 --> 01:00:51,200

while you're there you can check out the

1586

01:00:54,950 --> 01:00:52,799

other things on the page like links to

1587

01:00:57,910 --> 01:00:54,960

the various youtube

1588

01:00:59,030 --> 01:00:57,920

offerings like michelle baker's mars

1589

01:01:01,829 --> 01:00:59,040

logical fallacies

1590

01:01:03,750 --> 01:01:01,839

or the typewriter time funny sketches or

1591

01:01:07,190 --> 01:01:03,760

every show of the skeptic zone in fact

1592

01:01:09,109 --> 01:01:07,200

right there on youtube on that thought

1593

01:01:10,549 --> 01:01:09,119

and for this week this is richard

1594

01:01:17,109 --> 01:01:10,559

saunders signing off

1595

01:01:20,390 --> 01:01:18,870

you've been listening to the skeptic

1596

01:01:22,829 --> 01:01:20,400

zone podcast

1597

01:01:24,950 --> 01:01:22,839

please visit our website at

1598

01:01:27,990 --> 01:01:24,960

www.skepticzone

1599

01:01:29,990 --> 01:01:28,000

for show notes contacts and to access

1600

01:01:33,510 --> 01:01:30,000

the back catalog of episodes

1601
01:01:35,589 --> 01:01:33,520
going back to 2008. you can follow the

1602
01:01:39,030 --> 01:01:35,599
skeptic zone podcast on twitter

1603
01:01:42,549 --> 01:01:39,040
at skepticzone visit our facebook page

1604
01:01:43,990 --> 01:01:42,559
or leave a review on itunes you can also

1605
01:01:47,190 --> 01:01:44,000
support the skeptic zone

1606
01:01:47,990 --> 01:01:47,200
via patreon or paypal the skeptic zone

1607
01:01:50,870 --> 01:01:48,000
podcast

1608
01:01:52,630 --> 01:01:50,880
is an independent production the views

1609
01:01:53,109 --> 01:01:52,640
and opinions expressed on the skeptic

1610
01:01:55,109 --> 01:01:53,119
zone

1611
01:01:56,309 --> 01:01:55,119
are not necessarily those of australian

1612
01:02:09,750 --> 01:01:56,319
skeptics or

1613
01:02:13,190 --> 01:02:11,589

hello to the afterthoughts the people

1614

01:02:14,630 --> 01:02:13,200

who keep listening after the music if

1615

01:02:16,309 --> 01:02:14,640

you're not sure what's going on if you

1616

01:02:19,910 --> 01:02:16,319

thought that's it the show's over i'm

1617

01:02:21,829 --> 01:02:19,920

out of here not quite every week one

1618

01:02:25,670 --> 01:02:21,839

almost every week i roll a die

1619

01:02:27,670 --> 01:02:25,680

in this case it's a ten sided die a d10

1620

01:02:29,190 --> 01:02:27,680

and you use your whatever powers you

1621

01:02:33,430 --> 01:02:29,200

like

1622

01:02:36,549 --> 01:02:33,440

usually luck to predict and guess

1623

01:02:38,789 --> 01:02:36,559

what numbers will come up and this time

1624

01:02:40,230 --> 01:02:38,799

i'm going to roll the die three times

1625

01:02:41,430 --> 01:02:40,240

and we'll have a number out of a

1626

01:02:44,230 --> 01:02:41,440

thousand

1627

01:02:45,990 --> 01:02:44,240

why not here we go but if you get the

1628

01:02:47,670 --> 01:02:46,000

individual numbers along the way

1629

01:02:50,150 --> 01:02:47,680

that's great first number coming up

1630

01:02:53,990 --> 01:02:50,160

predictor way is

1631

01:02:55,670 --> 01:02:54,000

crunch crunch crunch 7 so our

1632

01:02:59,829 --> 01:02:55,680

ultimate number will be 700 and

1633

01:03:04,549 --> 01:03:03,349

it fell out next number that's better

1634

01:03:07,750 --> 01:03:04,559

two

1635

01:03:10,430 --> 01:03:07,760

seven hundred and twenty

1636

01:03:12,950 --> 01:03:10,440

here it comes last number

1637

01:03:17,349 --> 01:03:12,960

[Music]

1638

01:03:20,950 --> 01:03:17,359

three so

1639

01:03:23,990 --> 01:03:20,960

today's winning number is 7023

1640

01:03:25,029 --> 01:03:24,000

with the supplementary the extra number

1641

01:03:28,710 --> 01:03:25,039

at the end

1642

01:03:31,829 --> 01:03:28,720

here it comes is

1643

01:03:32,710 --> 01:03:31,839

a nine or we can say that number is