

Episode **566**

THE  
**SKEPTIC  
ZONE**  
PODCAST

25 August 2019

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

The Skeptic Zone Podcast



*Isil Arican & Cuneyt Ozdas*

Episode **566** - 25 Aug 2019

Skeptical outreach in Turkey

Looking for Woo in Berkeley

Susan Gerbic with a wiki update

Full Moon and Empty Heads

The Skeptic Zone Podcast



*Susan Gerbic*

Episode **566** - 25 Aug 2019

1  
00:00:11,910 --> 00:00:09,110  
welcome to the skeptic zone the podcast

2  
00:00:22,150 --> 00:00:11,920  
from Australia for science and reason

3  
00:00:24,710 --> 00:00:22,160  
[Music]

4  
00:00:28,910 --> 00:00:24,720  
yes it's the skeptic zone podcast

5  
00:00:33,020 --> 00:00:28,920  
episode number 566 for the 25th of

6  
00:00:34,819 --> 00:00:33,030  
August 2019 which 'red saunders here

7  
00:00:37,660 --> 00:00:34,829  
with you coming to you this week once

8  
00:00:40,130 --> 00:00:37,670  
again from the San Francisco Bay Area

9  
00:00:43,250 --> 00:00:40,140  
coming up on this week's show I catch up

10  
00:00:47,990 --> 00:00:43,260  
with some people I first met way back in

11  
00:00:51,350 --> 00:00:48,000  
2012 is Sheila and Janet from Turkey now

12  
00:00:54,290 --> 00:00:51,360  
living in the Bay Area and active

13  
00:00:55,850 --> 00:00:54,300

skeptics not only in the Bay Area but

14

00:00:58,849 --> 00:00:55,860

around the world and especially in

15

00:01:01,849 --> 00:00:58,859

Turkey via their podcast find out more

16

00:01:04,520 --> 00:01:01,859

when I interview issue and Janet at the

17

00:01:06,830 --> 00:01:04,530

top of the show following that join me

18

00:01:10,310 --> 00:01:06,840

as I walk up College Avenue for a couple

19

00:01:14,179 --> 00:01:10,320

of kilometers into Berkeley looking for

20

00:01:16,550 --> 00:01:14,189

whoo looking for interesting shall we

21

00:01:19,399 --> 00:01:16,560

say interesting claims along the way on

22

00:01:21,649 --> 00:01:19,409

shop fronts it's always struck me when I

23

00:01:23,289 --> 00:01:21,659

visit the the Bay Area that every now

24

00:01:26,420 --> 00:01:23,299

and then you'll come across a psychic

25

00:01:28,640 --> 00:01:26,430

Hawking their wares on the street and

26  
00:01:30,999 --> 00:01:28,650  
there were but what else can we find as

27  
00:01:33,950 --> 00:01:31,009  
we walk along the streets of Berkeley

28  
00:01:37,069 --> 00:01:33,960  
then after that its susan gerbic from

29  
00:01:39,590 --> 00:01:37,079  
guerrilla skepticism on wikipedia now

30  
00:01:42,530 --> 00:01:39,600  
susan will give us an update on some of

31  
00:01:46,310 --> 00:01:42,540  
the projects that she and her team are

32  
00:01:48,590 --> 00:01:46,320  
working on right now on wikipedia then

33  
00:01:52,039 --> 00:01:48,600  
to round off the show a story from the

34  
00:01:55,910 --> 00:01:52,049  
pages of the skeptic full moon and empty

35  
00:01:58,370 --> 00:01:55,920  
heads by Barry Williams all about the

36  
00:02:01,730 --> 00:01:58,380  
the belief that the full moon can affect

37  
00:02:02,899 --> 00:02:01,740  
people's moods and behaviors stay tuned

38  
00:02:06,050 --> 00:02:02,909

at the end of the show for more

39

00:02:08,779 --> 00:02:06,060

announcements from me but now it's time

40

00:02:11,839 --> 00:02:08,789

for me to run upstairs and I think I

41

00:02:13,550 --> 00:02:11,849

will have a melted cheese bagel melted

42

00:02:15,290 --> 00:02:13,560

cheese on a bagel

43

00:02:39,170 --> 00:02:15,300

sounds okay while I'm doing that I hope

44

00:02:41,420 --> 00:02:39,180

you enjoy the skeptic zone folks way

45

00:02:43,759 --> 00:02:41,430

back in 2012 I was at the amazing

46

00:02:45,800 --> 00:02:43,769

meeting and I met a couple of people and

47

00:02:47,300 --> 00:02:45,810

and I thought what they would make an

48

00:02:49,280 --> 00:02:47,310

interesting interview little did I know

49

00:02:51,100 --> 00:02:49,290

all these years later I'd be sitting at

50

00:02:56,090 --> 00:02:51,110

their dining room table

51  
00:02:58,970 --> 00:02:56,100  
feasting easting on a wonderful Turkish

52  
00:03:00,199 --> 00:02:58,980  
dinner and with a Rob Roy Thank You Jay

53  
00:03:04,070 --> 00:03:00,209  
you're very welcome

54  
00:03:07,220 --> 00:03:04,080  
mm-hmm to get to that later I with a

55  
00:03:09,770 --> 00:03:07,230  
zeal is that right or hadisha issue yes

56  
00:03:14,660 --> 00:03:09,780  
you ship and Jeanette that's great

57  
00:03:16,670 --> 00:03:14,670  
yes Janine do you need no it's like a

58  
00:03:19,610 --> 00:03:16,680  
dove June so it is easier to know it

59  
00:03:21,680 --> 00:03:19,620  
yeah perfect I remember that now we

60  
00:03:24,319 --> 00:03:21,690  
spoke all those years ago you're both

61  
00:03:26,150 --> 00:03:24,329  
from Turkey and you're both now living

62  
00:03:30,229 --> 00:03:26,160  
in the United States obviously and just

63  
00:03:32,380 --> 00:03:30,239

then when we spoke you were starting at

64

00:03:36,110 --> 00:03:32,390

a podcast I think all those years ago

65

00:03:38,210 --> 00:03:36,120

please bring us up to date sure I think

66

00:03:42,680 --> 00:03:38,220

when we spoke which was I believe seven

67

00:03:45,160 --> 00:03:42,690

years ago and we were I mean June 8th

68

00:03:48,440 --> 00:03:45,170

and I started this Turkish sceptical

69

00:03:50,629 --> 00:03:48,450

scientific skepticism blog a couple of

70

00:03:52,670 --> 00:03:50,639

years before we interviewed at that time

71

00:03:56,809 --> 00:03:52,680

and we were hoping to start a podcast

72

00:03:59,150 --> 00:03:56,819

and be more active and we did that so

73

00:04:01,610 --> 00:03:59,160

all of that happened and we're still

74

00:04:04,220 --> 00:04:01,620

ongoing with our group where the our

75

00:04:07,309 --> 00:04:04,230

activities are still ongoing and we just

76

00:04:08,990 --> 00:04:07,319

celebrated our tenth year as the Ellen

77

00:04:11,960 --> 00:04:09,000

Savar which is a Turkish scientific

78

00:04:13,980 --> 00:04:11,970

sceptical blog one cheer from the back

79

00:04:16,449 --> 00:04:13,990

of the road

80

00:04:18,820 --> 00:04:16,459

well that's fantastic but you're still

81

00:04:21,760 --> 00:04:18,830

doing podcasting yes yes we are we are

82

00:04:24,700 --> 00:04:21,770

not very regular and so the last episode

83

00:04:28,510 --> 00:04:24,710

is six months ago was six months ago but

84

00:04:31,000 --> 00:04:28,520

that is kind of a deliberate choice we

85

00:04:33,000 --> 00:04:31,010

wanted to have the content to be high

86

00:04:36,430 --> 00:04:33,010

quality instead of you know trying to

87

00:04:38,980 --> 00:04:36,440

release every week or every month so we

88

00:04:40,720 --> 00:04:38,990

want to release new episodes when we

89

00:04:45,360 --> 00:04:40,730

already when the content is good enough

90

00:04:48,550 --> 00:04:45,370

to share so we are not very very alertly

91

00:04:51,550 --> 00:04:48,560

releasing podcasts episodes but we are

92

00:04:54,130 --> 00:04:51,560

still active we have been very regular

93

00:04:56,290 --> 00:04:54,140

actually last year but then this year a

94

00:04:59,980 --> 00:04:56,300

lot of things came in the way we are a

95

00:05:02,650 --> 00:04:59,990

group of ten people four of us in United

96

00:05:05,230 --> 00:05:02,660

States three here one in Boston and then

97

00:05:08,200 --> 00:05:05,240

we have people in Finland and England

98

00:05:10,300 --> 00:05:08,210

and a couple people in Turkey so it's

99

00:05:12,940 --> 00:05:10,310

all Turkish faults but like spread

100

00:05:14,740 --> 00:05:12,950

around the country so challenging I mean

101

00:05:16,150 --> 00:05:14,750

read cool recording a podcast is

102

00:05:17,740 --> 00:05:16,160

challeng and this year has been extra

103

00:05:19,240 --> 00:05:17,750

challenging because one of us are

104

00:05:21,190 --> 00:05:19,250

getting married the other one actually

105

00:05:22,690 --> 00:05:21,200

moved to England this year so we had to

106

00:05:26,080 --> 00:05:22,700

like give a little bit of your heater's

107

00:05:29,770 --> 00:05:26,090

but are like what what happens is that

108

00:05:32,710 --> 00:05:29,780

out of those ten people we initiated our

109

00:05:34,270 --> 00:05:32,720

podcast and then two of our folks like

110

00:05:36,700 --> 00:05:34,280

in the same group also initiated in

111

00:05:39,280 --> 00:05:36,710

another podcast can be translated

112

00:05:41,920 --> 00:05:39,290

mahabad turocy which can be trusted like

113

00:05:44,380 --> 00:05:41,930

a conversation theory like the name it's

114

00:05:49,080 --> 00:05:44,390

also a chickpea damages open science yes

115

00:05:52,630 --> 00:05:49,090

so they do a weekly podcast on like more

116

00:05:55,180 --> 00:05:52,640

up-to-date issues and news and what is

117

00:05:57,840 --> 00:05:55,190

actually like recent and our podcast is

118

00:06:01,360 --> 00:05:57,850

more on the like fundamental scientific

119

00:06:02,920 --> 00:06:01,370

topics and epidemiology and all so

120

00:06:04,960 --> 00:06:02,930

that's why I like ours is a little bit

121

00:06:07,540 --> 00:06:04,970

more interval now because we go in more

122

00:06:09,490 --> 00:06:07,550

Theory like conspiracy theories and

123

00:06:12,130 --> 00:06:09,500

stuff like that and there's which is

124

00:06:13,570 --> 00:06:12,140

actually two people from our team talk

125

00:06:15,430 --> 00:06:13,580

about like stuff that came up in the

126  
00:06:17,560 --> 00:06:15,440  
news like the recent developments and

127  
00:06:20,500 --> 00:06:17,570  
and whatnot so they have a weekly one we

128  
00:06:21,100 --> 00:06:20,510  
have like a sporadic one which which was

129  
00:07:02,680 --> 00:06:21,110  
a

130  
00:07:04,900 --> 00:07:02,690  
the rest of the world um it is becoming

131  
00:07:08,080 --> 00:07:04,910  
bigger yeah I think it caught up in the

132  
00:07:10,060 --> 00:07:08,090  
last couple of years when we first was

133  
00:07:12,580 --> 00:07:10,070  
thinking about doing it it was very rare

134  
00:07:15,280 --> 00:07:12,590  
and we had like a handful of podcasts I

135  
00:07:18,000 --> 00:07:15,290  
think but in the last three years or so

136  
00:07:20,260 --> 00:07:18,010  
or maybe four there are more and more

137  
00:07:21,880 --> 00:07:20,270  
producers coming up and there are more

138  
00:07:25,030 --> 00:07:21,890

podcasts are being produced I had

139

00:07:27,910 --> 00:07:25,040

imagined if I was in Turkey and I read

140

00:07:31,240 --> 00:07:27,920

Turkish was my native language I would

141

00:07:33,610 --> 00:07:31,250

love Turkish podcasts of course

142

00:07:36,850 --> 00:07:33,620

naturally how big our podcasts in Turkey

143

00:07:39,850 --> 00:07:36,860

do you know I think now they're a pretty

144

00:07:42,790 --> 00:07:39,860

good listener volume I would not know

145

00:07:46,510 --> 00:07:42,800

the number but I do know how many that

146

00:07:49,300 --> 00:07:46,520

we had up to like a 30 to 40 thousand

147

00:07:51,820 --> 00:07:49,310

downloads per month at one point this

148

00:07:54,400 --> 00:07:51,830

very respectable especially in one

149

00:07:56,290 --> 00:07:54,410

language that's fantastic I mean when we

150

00:07:57,880 --> 00:07:56,300

think about my show or other shows in

151  
00:07:59,709 --> 00:07:57,890  
English of course we're speaking about

152  
00:08:02,499 --> 00:07:59,719  
Australia New Zealand

153  
00:08:04,509 --> 00:08:02,509  
states in multiple countries but apart

154  
00:08:06,549 --> 00:08:04,519  
from Turkey and Turkish citizens living

155  
00:08:09,459 --> 00:08:06,559  
dotted around the world I think that's

156  
00:08:10,899 --> 00:08:09,469  
there's quite respectable yeah I mean we

157  
00:08:13,569 --> 00:08:10,909  
were surprised to see how many people

158  
00:08:16,089 --> 00:08:13,579  
actually download it and listen it we

159  
00:08:20,049 --> 00:08:16,099  
had in the blog we have about like two

160  
00:08:22,239 --> 00:08:20,059  
plus million hits and podcasts like any

161  
00:08:23,799 --> 00:08:22,249  
time we do a new episode which again as

162  
00:08:25,449 --> 00:08:23,809  
Jeanette mention has not been super

163  
00:08:27,669 --> 00:08:25,459

regular in the last year because various

164

00:08:29,350 --> 00:08:27,679

reasons but any time we do a new episode

165

00:08:31,869 --> 00:08:29,360

we generally get like thirty to forty

166

00:08:33,759 --> 00:08:31,879

thousand downloads and a lot of like

167

00:08:36,490 --> 00:08:33,769

interaction also happens afterwards in

168

00:08:39,219 --> 00:08:36,500

Twitter or in the YouTube channel and

169

00:08:42,550 --> 00:08:39,229

now as of last year we even started to

170

00:08:46,749 --> 00:08:42,560

do something beyond the podcast actually

171

00:08:50,019 --> 00:08:46,759

in the last two years so our our team

172

00:08:52,449 --> 00:08:50,029

members who are in Istanbul were able to

173

00:08:56,050 --> 00:08:52,459

secure a place who was donated to them

174

00:08:58,059 --> 00:08:56,060

by the place management so the there's

175

00:08:59,379 --> 00:08:58,069

this place called dome in Istanbul and

176

00:09:01,720 --> 00:08:59,389

actually it's a place where Google

177

00:09:04,090 --> 00:09:01,730

Turkey also meets from time to time so

178

00:09:06,460 --> 00:09:04,100

it's like a Google theme building it's

179

00:09:09,759 --> 00:09:06,470

an empty building and their manager

180

00:09:12,759 --> 00:09:09,769

ended up being our listener so he was

181

00:09:16,030 --> 00:09:12,769

very happy to offer one of like his

182

00:09:21,610 --> 00:09:16,040

spaces every month for our team and they

183

00:09:23,980 --> 00:09:21,620

are doing like a noise by the way it's a

184

00:09:27,280 --> 00:09:23,990

wonderful noise it's Jay diamond mixing

185

00:09:27,850 --> 00:09:27,290

a cocktail in the background there Thank

186

00:09:30,999 --> 00:09:27,860

You Jake

187

00:09:33,280 --> 00:09:31,009

carry on okay so they were they actually

188

00:09:36,069 --> 00:09:33,290

donated to space to our team so now our

189

00:09:39,970 --> 00:09:36,079

team in Turkey which is which consists

190

00:09:43,689 --> 00:09:39,980

which consists four people held holds

191

00:09:45,069 --> 00:09:43,699

regular monthly meetups and every month

192

00:09:46,960 --> 00:09:45,079

they pick a topic they create a

193

00:09:49,449 --> 00:09:46,970

presentation so it's like skeptics in

194

00:09:51,240 --> 00:09:49,459

the pub almost but with the presentation

195

00:09:54,519 --> 00:09:51,250

and the topic and talk and discussion

196

00:09:56,350 --> 00:09:54,529

there's no like pop person because it's

197

00:09:59,049 --> 00:09:56,360

not a pop it's more like a meet-up space

198

00:10:02,110 --> 00:09:59,059

but it's um every month a lot of people

199

00:10:04,059 --> 00:10:02,120

come up and they do like have they have

200

00:10:06,490 --> 00:10:04,069

a presentation and then afterwards chat

201  
00:10:09,040 --> 00:10:06,500  
and they look forward to it they are

202  
00:10:10,689 --> 00:10:09,050  
they stop every year in the summer time

203  
00:10:12,340 --> 00:10:10,699  
because everyone goes to vacation in

204  
00:10:14,650 --> 00:10:12,350  
Turkey and

205  
00:10:16,990 --> 00:10:14,660  
they're starting to this year's rounds

206  
00:10:21,280 --> 00:10:17,000  
and they actually taught touched up very

207  
00:10:24,940 --> 00:10:21,290  
interesting and like I think um what's

208  
00:10:26,890 --> 00:10:24,950  
the word popular subjects that people

209  
00:10:28,840 --> 00:10:26,900  
were you know wondering to hear about

210  
00:10:32,200 --> 00:10:28,850  
and now here you are living in the Bay

211  
00:10:33,520 --> 00:10:32,210  
Area down here south of San Francisco

212  
00:10:37,600 --> 00:10:33,530  
and you're very active in the Bay Area

213  
00:10:41,200 --> 00:10:37,610

skeptics we're all looking over the dr.

214

00:10:43,540 --> 00:10:41,210

eugenie sky is everything and that must

215

00:10:45,370 --> 00:10:43,550

be I hope and I trust it must be a

216

00:10:47,590 --> 00:10:45,380

wonderful thing for you

217

00:10:49,990 --> 00:10:47,600

yes it's very I mean I'm very much

218

00:10:53,140 --> 00:10:50,000

honored to be a member of the Bay Area

219

00:10:56,320 --> 00:10:53,150

skeptics group a very hard-working

220

00:11:00,880 --> 00:10:56,330

member may I also and she is our

221

00:11:05,100 --> 00:11:00,890

treasure so we do a lot of activities

222

00:11:08,560 --> 00:11:05,110

around like organizing skeptical our

223

00:11:10,750 --> 00:11:08,570

annual Northern California science and

224

00:11:13,690 --> 00:11:10,760

skeptical conference skeptics conference

225

00:11:15,880 --> 00:11:13,700

and then we put together monthly skip

226

00:11:18,370 --> 00:11:15,890

talks with the Bay Area skeptics I do

227

00:11:20,470 --> 00:11:18,380

the financing and Treasury work but I

228

00:11:24,340 --> 00:11:20,480

also help with a lot of like website

229

00:11:26,410 --> 00:11:24,350

stuff that configure things and in

230

00:11:29,560 --> 00:11:26,420

general like help with coordinating and

231

00:11:31,720 --> 00:11:29,570

organizing I must say I'm honored myself

232

00:11:34,720 --> 00:11:31,730

because I've not only be appeared at

233

00:11:36,940 --> 00:11:34,730

skeptic al last year but I've also been

234

00:11:39,370 --> 00:11:36,950

a guest at the the regular talks

235

00:11:43,030 --> 00:11:39,380

yes skippity i was i've given two or

236

00:11:44,440 --> 00:11:43,040

three talks over the years for the Bay

237

00:11:47,320 --> 00:11:44,450

Area skeptics and more to come I

238

00:11:51,370 --> 00:11:47,330

certainly hope so sorry there's a

239

00:11:54,940 --> 00:11:51,380

statute of limitation I've reached my

240

00:11:57,310 --> 00:11:54,950

limit sadly who would see but isn't it

241

00:11:59,980 --> 00:11:57,320

wonderful because I've known you now

242

00:12:06,730 --> 00:11:59,990

since to 2012 both of you on and off

243

00:12:09,100 --> 00:12:06,740

because we see each other catch up but I

244

00:12:10,690 --> 00:12:09,110

I don't know if this is true but maybe I

245

00:12:15,130 --> 00:12:10,700

was the first person to interview you

246

00:12:17,290 --> 00:12:15,140

two and you are the inspiration for our

247

00:12:19,540 --> 00:12:17,300

podcast actually you know after

248

00:12:21,340 --> 00:12:19,550

listening you to your podcast and doing

249

00:12:23,620 --> 00:12:21,350

the interview with you and

250

00:12:26,590 --> 00:12:23,630

the other podcasts in English we said

251

00:12:28,630 --> 00:12:26,600

okay there is a nice content there that

252

00:12:31,150 --> 00:12:28,640

we can share with other people who are

253

00:12:34,390 --> 00:12:31,160

maybe unaware of the skeptical movement

254

00:12:36,640 --> 00:12:34,400

just like we were in the beginning so we

255

00:12:39,370 --> 00:12:36,650

can share that and it's I think the main

256

00:12:41,050 --> 00:12:39,380

reason behind our podcast being so

257

00:12:43,450 --> 00:12:41,060

popular in Turkey that we are sharing

258

00:12:45,430 --> 00:12:43,460

the information we are therefore sitting

259

00:12:47,740 --> 00:12:45,440

on the shoulders of giants you know

260

00:12:49,900 --> 00:12:47,750

getting all that information from you

261

00:12:51,730 --> 00:12:49,910

know various skeptics or you and there's

262

00:12:54,400 --> 00:12:51,740

lots of good content in English and we

263

00:12:58,150 --> 00:12:54,410

are kind of translating their ideas to

264

00:13:00,550 --> 00:12:58,160

to Turkish and bringing up that moment

265

00:13:03,100 --> 00:13:00,560

you know crossing that language gap yeah

266

00:13:05,500 --> 00:13:03,110

essentially because you know there's so

267

00:13:07,840 --> 00:13:05,510

many good content produced already here

268

00:13:10,690 --> 00:13:07,850

and just looking at it and uninspired is

269

00:13:12,220 --> 00:13:10,700

it's easy I mean I think our job is

270

00:13:14,740 --> 00:13:12,230

easier because there's already like so

271

00:13:16,510 --> 00:13:14,750

much work is being done there but I also

272

00:13:18,430 --> 00:13:16,520

want to point out that one of the things

273

00:13:20,890 --> 00:13:18,440

that made me very happy in the last year

274

00:13:22,840 --> 00:13:20,900

I think we came to a point after ten

275

00:13:25,330 --> 00:13:22,850

years like anything from like being a

276

00:13:27,610 --> 00:13:25,340

website and a podcast to become a little

277

00:13:30,760 --> 00:13:27,620

bit more I would say almost like a

278

00:13:32,620 --> 00:13:30,770

respected opinion in in like overall

279

00:13:37,990 --> 00:13:32,630

Turkish media so a couple of examples

280

00:13:40,660 --> 00:13:38,000

last year we were called we were we were

281

00:13:41,920 --> 00:13:40,670

invited by a medical school which

282

00:13:46,090 --> 00:13:41,930

happens to be the medical school I

283

00:13:48,250 --> 00:13:46,100

graduated from to give a two full days

284

00:13:50,200 --> 00:13:48,260

seminar to medical students on

285

00:13:52,270 --> 00:13:50,210

science-based skepticism and

286

00:13:55,060 --> 00:13:52,280

science-based medical team and critical

287

00:13:57,040 --> 00:13:55,070

thinking and this was like a full like

288

00:13:59,710 --> 00:13:57,050

weekend invitation to us and they told

289

00:14:02,470 --> 00:13:59,720

us like come please come and then create

290

00:14:05,080 --> 00:14:02,480

a curriculum and you know come up with

291

00:14:07,000 --> 00:14:05,090

with a plan and then you know just it's

292

00:14:09,760 --> 00:14:07,010

like two days is yours they gave us

293

00:14:11,560 --> 00:14:09,770

space in the School of Medicine and it

294

00:14:15,240 --> 00:14:11,570

was a pretty good conference space and

295

00:14:18,970 --> 00:14:15,250

we had with we had 200 people showed up

296

00:14:21,220 --> 00:14:18,980

and not only medical students from the

297

00:14:23,350 --> 00:14:21,230

school that invited us we end up getting

298

00:14:25,330 --> 00:14:23,360

people from like surrounding other

299

00:14:29,200 --> 00:14:25,340

medical schools we got ended up getting

300

00:14:29,850 --> 00:14:29,210

like academicians like professors and at

301

00:14:31,560 --> 00:14:29,860

the end of the

302

00:14:33,900 --> 00:14:31,570

conference actually we got in petitions

303

00:14:36,090 --> 00:14:33,910

to three other medical schools to come

304

00:14:38,819 --> 00:14:36,100

and do something similar to them in a

305

00:14:40,710 --> 00:14:38,829

week in about a month after that I got

306

00:14:42,569 --> 00:14:40,720

an invitation from my another medical

307

00:14:45,389 --> 00:14:42,579

school in Turkey this time from Ankara

308

00:14:48,180 --> 00:14:45,399

and they asked because I gave two

309

00:14:49,920 --> 00:14:48,190

presentations in that workshop and many

310

00:14:53,069 --> 00:14:49,930

of our friends give other presentations

311

00:14:54,710 --> 00:14:53,079

so we covered things like you know

312

00:14:58,340 --> 00:14:54,720

fundamentals of critical thinking

313

00:15:02,300 --> 00:14:58,350

anti-vaccine movement you know energy

314

00:15:04,590 --> 00:15:02,310

hoaxes and scams we talked about

315

00:15:09,240 --> 00:15:04,600

naturalistic policy and how to evaluate

316

00:15:11,610 --> 00:15:09,250

claims in both media newspapers even in

317

00:15:13,500 --> 00:15:11,620

science journals like how do you tell a

318

00:15:18,150 --> 00:15:13,510

journal is really or Journal article is

319

00:15:19,800 --> 00:15:18,160

really worth you know worthwhile or is

320

00:15:23,970 --> 00:15:19,810

it just like a you know article to be

321

00:15:25,680 --> 00:15:23,980

published so another another professor

322

00:15:27,600 --> 00:15:25,690

from another medical school reached out

323

00:15:30,269 --> 00:15:27,610

to us and asked us to repeat the

324

00:15:32,730 --> 00:15:30,279

anti-vaccine presentation so I gave a

325

00:15:36,240 --> 00:15:32,740

WebEx to like another hundred med school

326

00:15:39,120 --> 00:15:36,250

students and then I ended up like

327

00:15:41,069 --> 00:15:39,130

publishing an anti vaccine article in

328

00:15:44,130 --> 00:15:41,079

one of the journals in Turkey so this

329

00:15:46,170 --> 00:15:44,140

makes us very proud that we I think now

330

00:15:48,630 --> 00:15:46,180

we're kind of like beyond just being a

331

00:15:51,240 --> 00:15:48,640

blog or a podcast like people do look at

332

00:15:53,910 --> 00:15:51,250

us and you know invite us as experts in

333

00:15:57,030 --> 00:15:53,920

this area and give you know like talks

334

00:15:59,310 --> 00:15:57,040

or educate students which is amazing is

335

00:16:01,380 --> 00:15:59,320

a trusted source yeah because there are

336

00:16:03,509 --> 00:16:01,390

lots of misinformation happening in

337

00:16:05,579 --> 00:16:03,519

Turkey as well just like every other

338

00:16:09,120 --> 00:16:05,589

place in job I'm not I'm not at all

339

00:16:11,189 --> 00:16:09,130

surprised yeah well finally we're we're

340

00:16:14,970 --> 00:16:11,199

almost finally almost where can people

341

00:16:17,370 --> 00:16:14,980

go online to find out your information

342

00:16:19,500 --> 00:16:17,380

your blog your podcast first they need

343

00:16:21,360 --> 00:16:19,510

to be native or they need to be Turkish

344

00:16:22,829 --> 00:16:21,370

speakers native or like they should be

345

00:16:24,960 --> 00:16:22,839

able to understand Turkish language

346

00:16:28,199 --> 00:16:24,970

because we do blog and create content in

347

00:16:30,930 --> 00:16:28,209

Turkish which is very rare to find in

348

00:16:41,310 --> 00:16:30,940

Turkish language so if they know and

349

00:16:46,769 --> 00:16:44,400

they speak Turkish table one nice thing

350

00:16:50,220 --> 00:16:46,779

about Turkish is a phonetic language so

351  
00:16:52,079 --> 00:16:50,230  
as long as you you can hear the divert

352  
00:16:55,920 --> 00:16:52,089  
you know how to write it so don't worry

353  
00:16:57,540 --> 00:16:55,930  
folks links in the show notes okay and

354  
00:16:59,490 --> 00:16:57,550  
then if they just want if they don't

355  
00:17:01,199 --> 00:16:59,500  
speak Turkish and if they just want to

356  
00:17:03,360 --> 00:17:01,209  
have some fun they can still go to the

357  
00:17:13,710 --> 00:17:03,370  
website and put it in Google Translate

358  
00:17:16,710 --> 00:17:13,720  
and it just makes the tailor and also I

359  
00:17:19,079 --> 00:17:16,720  
like to give the the address of the the

360  
00:17:21,569 --> 00:17:19,089  
other podcasts that are two members are

361  
00:17:23,400 --> 00:17:21,579  
you are doing so it's a chip bloom a

362  
00:17:26,970 --> 00:17:23,410  
chip in calm

363  
00:17:36,180 --> 00:17:26,980

is it calm or I don't know that but I I

364

00:17:39,690 --> 00:17:36,190

think it's competition so a lot of our

365

00:17:41,760 --> 00:17:39,700

actually means so we we were looking for

366

00:17:44,340 --> 00:17:41,770

a name and our criteria was that it

367

00:17:46,350 --> 00:17:44,350

should be easy to say it should be very

368

00:17:48,600 --> 00:17:46,360

Turkish and then it should not have any

369

00:17:51,120 --> 00:17:48,610

special Turkish characters which both

370

00:17:52,680 --> 00:17:51,130

June 8th and I suffer day to day because

371

00:17:54,690 --> 00:17:52,690

of our name because they have Turkish

372

00:17:56,610 --> 00:17:54,700

characters so you know it's kind of like

373

00:17:59,310 --> 00:17:56,620

hard to type in whatever keyboard you

374

00:18:01,649 --> 00:17:59,320

are using so we picked that because the

375

00:18:05,700 --> 00:18:01,659

alarm means lie in Turkish and so our

376

00:18:08,880 --> 00:18:05,710

means like deflect or and it's also a

377

00:18:11,280 --> 00:18:08,890

wordplay it's like a pawn because what's

378

00:18:14,149 --> 00:18:11,290

what's the name of Chuck silver what's

379

00:18:16,230 --> 00:18:14,159

the name of that anti clean or

380

00:18:18,810 --> 00:18:16,240

anti-missile you know like you have

381

00:18:21,750 --> 00:18:18,820

these anti-aircraft yes sir so

382

00:18:24,840 --> 00:18:21,760

anti-aircraft are Chuck's of are which

383

00:18:27,390 --> 00:18:24,850

means you know plane so are so it's like

384

00:18:29,310 --> 00:18:27,400

gets rid of the planes so we thought we

385

00:18:31,919 --> 00:18:29,320

will just make it like yellow so our

386

00:18:35,310 --> 00:18:31,929

which is very much similar amount of the

387

00:18:37,799 --> 00:18:35,320

coin it does not actually like the mo or

388

00:18:39,790 --> 00:18:37,809

violent part of it it's more like

389

00:18:42,310 --> 00:18:39,800

repellant

390

00:18:45,540 --> 00:18:42,320

to explain you know when the name is

391

00:18:47,860 --> 00:18:45,550

upon it's kind of like Lula this

392

00:18:49,600 --> 00:18:47,870

listeners get it right yes turkey

393

00:18:51,730 --> 00:18:49,610

sisters would know what the Alonzo are

394

00:18:54,150 --> 00:18:51,740

and speaking about Turkish listeners to

395

00:18:56,800 --> 00:18:54,160

round up round off this interview please

396

00:18:59,590 --> 00:18:56,810

please give a message in Turkish for our

397

00:19:08,530 --> 00:18:59,600

Turkish listeners they're looking at me

398

00:19:12,700 --> 00:19:08,540

like what you say I need to switch my

399

00:19:15,610 --> 00:19:12,710

mind to church which is kind of Aaron is

400

00:19:18,970 --> 00:19:15,620

account Italian Dora Luna my rocket your

401  
00:19:20,560 --> 00:19:18,980  
Webley dollar door Luna nozzle today

402  
00:19:22,930 --> 00:19:20,570  
the genius in you and town lunar a

403  
00:19:25,660 --> 00:19:22,940  
mixture saunas alas are knocked all

404  
00:19:28,150 --> 00:19:25,670  
cadres to Nikita did it they are a lot

405  
00:19:31,360 --> 00:19:28,160  
of our podcasts need nib physical

406  
00:19:35,560 --> 00:19:31,370  
abilities Quran la Llana tokamak Danza

407  
00:19:38,200 --> 00:19:35,570  
Gillman Jack McKean the birth knowing so

408  
00:19:40,990 --> 00:19:38,210  
I guess that's a good thing the Turkish

409  
00:19:42,340 --> 00:19:41,000  
version off it's better to curse it's

410  
00:19:48,280 --> 00:19:42,350  
better to light a candle than to curse

411  
00:19:52,390 --> 00:19:48,290  
the darkness in our website and our logo

412  
00:19:55,870 --> 00:19:52,400  
is a burning candle excellent well so

413  
00:19:58,360 --> 00:19:55,880

nice to see you again and I look forward

414

00:20:01,720 --> 00:19:58,370

to catching up with you both again very

415

00:20:07,960 --> 00:20:01,730

soon yep yep we'd love to meet you again

416

00:20:07,970 --> 00:20:13,230

[Music]

417

00:20:18,780 --> 00:20:16,570

Alaura ciao mi chiamo profesora de vo

418

00:20:22,920 --> 00:20:18,790

tuvalu incendiary - teleca's su licencia

419

00:20:27,270 --> 00:20:22,930

para la moda physica nikki Myka Volodya

420

00:20:30,580 --> 00:20:27,280

astronomia Mathematica atonte ultra cosy

421

00:20:32,440 --> 00:20:30,590

guarda miss Sulu tuba arrivederci

422

00:20:34,150 --> 00:20:32,450

hey everyone this is Professor Dave I

423

00:20:35,890 --> 00:20:34,160

want to teach you about all kinds of

424

00:20:37,840 --> 00:20:35,900

things regarding science I want to tell

425

00:20:41,230 --> 00:20:37,850

you about physics I want to tell you

426  
00:20:43,960 --> 00:20:41,240  
about chemistry biology astronomy math

427  
00:20:45,640 --> 00:20:43,970  
and many many more things come check me

428  
00:20:51,600 --> 00:20:45,650  
out on youtube the channel is called

429  
00:21:04,180 --> 00:20:52,900  
[Applause]

430  
00:21:17,070 --> 00:21:08,790  
[Music]

431  
00:21:19,170 --> 00:21:17,080  
I am on a bus bumping along outside of

432  
00:21:22,280 --> 00:21:19,180  
the San Francisco area not too far

433  
00:21:26,340 --> 00:21:22,290  
outside I'm heading for Berkeley

434  
00:21:28,860 --> 00:21:26,350  
wonderful crazy fantastic fascinating

435  
00:21:32,450 --> 00:21:28,870  
Berkeley I'm gonna walk a couple of

436  
00:21:34,110 --> 00:21:32,460  
kilometres into Berkeley and see what

437  
00:21:37,500 --> 00:21:34,120  
whoo

438  
00:21:39,620 --> 00:21:37,510

strange things I can find along the way

439

00:21:45,900 --> 00:21:39,630

see what whoosh shops what new-age

440

00:21:51,180 --> 00:21:45,910

things jump out at me I wonder what I

441

00:21:51,190 --> 00:21:57,470

[Laughter]

442

00:22:04,080 --> 00:22:01,100

now I'm in the little town of Rock Ridge

443

00:22:06,090 --> 00:22:04,090

walking up College Avenue this street

444

00:22:09,330 --> 00:22:06,100

will take me eventually after some

445

00:22:10,799 --> 00:22:09,340

kilometres into Berkeley and I didn't

446

00:22:13,110 --> 00:22:10,809

have to go long to find something

447

00:22:17,220 --> 00:22:13,120

interesting it's a shop front with a big

448

00:22:20,810 --> 00:22:17,230

poster out the front big sign Bremen the

449

00:22:23,850 --> 00:22:20,820

art of being present it says dreamer

450

00:22:26,450 --> 00:22:23,860

intensive and weekend workshops the art

451  
00:22:29,100 --> 00:22:26,460  
of being present dreamer bodywork Brima

452  
00:22:31,320 --> 00:22:29,110  
self prima exercises and the nine

453  
00:22:33,540 --> 00:22:31,330  
principles of harmony are natural

454  
00:22:35,340 --> 00:22:33,550  
expressions of the unifying principle of

455  
00:22:37,650 --> 00:22:35,350  
existence it's good to know

456  
00:22:40,500 --> 00:22:37,660  
they provide ideal support for

457  
00:22:43,470 --> 00:22:40,510  
practicing mind-body connection and the

458  
00:22:45,419 --> 00:22:43,480  
art of being present both new and

459  
00:22:47,310 --> 00:22:45,429  
experienced students from around the

460  
00:22:50,080 --> 00:22:47,320  
world study at Braemar weekends and

461  
00:22:55,300 --> 00:22:53,350  
weekends and intensive to benefit from

462  
00:22:58,060 --> 00:22:55,310  
Remus practical approach to living

463  
00:23:02,170 --> 00:22:58,070

harmoniously there we go

464

00:23:04,710 --> 00:23:02,180

and that can be found at Bremer comm and

465

00:23:08,830 --> 00:23:04,720

they look like they're coming here in

466

00:23:15,320 --> 00:23:08,840

November well that's a new one on me

467

00:23:18,920 --> 00:23:17,120

just waiting at the corner of the street

468

00:23:20,660 --> 00:23:18,930

now for the lights to change so I can

469

00:23:22,940 --> 00:23:20,670

cross over and keep going there's a

470

00:23:27,470 --> 00:23:22,950

little note and I wonder if my listeners

471

00:23:31,160 --> 00:23:27,480

in California might agree or maybe have

472

00:23:33,320 --> 00:23:31,170

noticed that I'm guessing from my

473

00:23:36,170 --> 00:23:33,330

experience driving around the San

474

00:23:40,730 --> 00:23:36,180

Francisco area that maybe 50% of drivers

475

00:23:43,940 --> 00:23:40,740

actually indicate maybe 60% of drivers

476  
00:23:47,750 --> 00:23:43,950  
many simply don't use the end of their

477  
00:23:50,350 --> 00:23:47,760  
indicator it's quite amazing and I guess

478  
00:23:53,090 --> 00:23:50,360  
in a strange way you get used to it

479  
00:23:54,800 --> 00:23:53,100  
you always have to think what that car

480  
00:23:59,090 --> 00:23:54,810  
what's that car going to do are they

481  
00:24:07,080 --> 00:23:59,100  
going left or right because a lot of the

482  
00:24:12,860 --> 00:24:09,060  
well the next interesting one we've come

483  
00:24:16,860 --> 00:24:12,870  
across not too far up the street here

484  
00:24:20,519 --> 00:24:16,870  
reboot float in cryo spa

485  
00:24:23,480 --> 00:24:20,529  
what is cryo therapy whole body

486  
00:24:27,090 --> 00:24:23,490  
cryotherapy exposes your skin to minus

487  
00:24:28,379 --> 00:24:27,100  
200 degrees Fahrenheit air for 2 to 3

488  
00:24:31,139 --> 00:24:28,389

minutes hmm

489

00:24:34,739 --> 00:24:31,149

the body's cold shock response provides

490

00:24:36,360 --> 00:24:34,749

powerful healing and recovery for both

491

00:24:39,649 --> 00:24:36,370

the body and the mind

492

00:24:43,350 --> 00:24:39,659

we also offer local cryo to target a

493

00:24:46,230 --> 00:24:43,360

specific area and cryo facials to

494

00:24:49,799 --> 00:24:46,240

rejuvenate your skin and fight signs of

495

00:24:55,070 --> 00:24:49,809

aging good grief

496

00:24:58,019 --> 00:24:55,080

and you also provide a float tank now

497

00:25:08,840 --> 00:24:58,029

many years ago I tried out a float tank

498

00:25:16,909 --> 00:25:12,019

now I'm just pausing a little I guess

499

00:25:19,399 --> 00:25:16,919

it's a cafe yes urban urban remedy

500

00:25:22,990 --> 00:25:19,409

certified organic gluten-free non-gmo

501  
00:25:28,999 --> 00:25:23,000  
meal snacks juices teas and cleansers

502  
00:25:31,789 --> 00:25:29,009  
well if you'd like to buy something with

503  
00:25:34,430 --> 00:25:31,799  
this gluten free and non-gmo I wonder

504  
00:25:42,010 --> 00:25:34,440  
how they determine that good luck you

505  
00:25:49,740 --> 00:25:45,220  
and I've made it to Telegraph street in

506  
00:25:55,289 --> 00:25:52,500  
the University here

507  
00:25:57,000 --> 00:25:55,299  
and I was a little bit I guess

508  
00:25:59,789 --> 00:25:57,010  
disappointed would be the wrong word I

509  
00:26:01,920 --> 00:25:59,799  
didn't say these psychic shops on my

510  
00:26:07,050 --> 00:26:01,930  
trip up here

511  
00:26:09,710 --> 00:26:07,060  
but I haven't given up yet so I'm going

512  
00:26:14,790 --> 00:26:09,720  
to wander down Telegraph a little ways

513  
00:26:17,790 --> 00:26:14,800

I've changed microphones by the way to

514

00:26:20,700 --> 00:26:17,800

look a little less conspicuous and for

515

00:26:25,650 --> 00:26:20,710

those who are interested I'm using my

516

00:26:27,120 --> 00:26:25,660

iPhone with a popping filter and all the

517

00:26:28,680 --> 00:26:27,130

world looks like I'm chatting on my

518

00:26:34,020 --> 00:26:28,690

phone although it looks a bit odd with a

519

00:26:39,810 --> 00:26:36,510

I can only guess it's orientation week

520

00:26:42,060 --> 00:26:39,820

here because I'm passing dozens and

521

00:26:44,270 --> 00:26:42,070

dozens and dozens of but I guess the

522

00:26:47,880 --> 00:26:44,280

students new students here to Berkeley

523

00:26:51,920 --> 00:26:47,890

all wearing millennium which says cow on

524

00:26:59,440 --> 00:26:51,930

it and being taken around by tool guides

525

00:27:07,430 --> 00:27:03,890

aha alright so here I am at the corner

526  
00:27:11,060 --> 00:27:07,440  
of Telegraph and Lake for those of you

527  
00:27:16,909 --> 00:27:11,070  
following at home on your map and right

528  
00:27:18,289 --> 00:27:16,919  
on the corner here we have it's quite

529  
00:27:20,900 --> 00:27:18,299  
interesting it's like an interesting

530  
00:27:22,400 --> 00:27:20,910  
shop and I guess I've hit paydirt here

531  
00:27:27,409 --> 00:27:22,410  
folks oh man

532  
00:27:29,990 --> 00:27:27,419  
oh boy neon sign chakra cleansing it's

533  
00:27:31,039 --> 00:27:30,000  
also a TV and electronic store so I'm

534  
00:27:34,659 --> 00:27:31,049  
not sure how that works

535  
00:27:40,870 --> 00:27:34,669  
that's around the corner fortune teller

536  
00:27:43,190 --> 00:27:40,880  
psychic palm tarot reader in neon signs

537  
00:27:46,280 --> 00:27:43,200  
at the front fortune teller love

538  
00:27:50,020 --> 00:27:46,290

marriage relation business bring your

539

00:27:54,730 --> 00:27:50,030

problems to me 100% guarantee solved and

540

00:27:57,470 --> 00:27:54,740

the phone number and the funding to be

541

00:28:00,860 --> 00:27:57,480

or some informations also repeated in

542

00:28:04,310 --> 00:28:00,870

Chinese the next hour little sign here

543

00:28:11,570 --> 00:28:06,650

same thing fortune teller love marriage

544

00:28:16,659 --> 00:28:11,580

relation business and we have another

545

00:28:19,610 --> 00:28:16,669

sign with a palm with an eye on it and

546

00:28:22,880 --> 00:28:19,620

the first parts in Chinese I assume in

547

00:28:26,180 --> 00:28:22,890

the second part says faith will help you

548

00:28:29,570 --> 00:28:26,190

control your destiny leave your worries

549

00:28:31,659 --> 00:28:29,580

pain and loneliness behind change your

550

00:28:34,490 --> 00:28:31,669

luck and improve your love life and

551  
00:28:36,530 --> 00:28:34,500  
future by consulting a caring

552  
00:28:39,110 --> 00:28:36,540  
professional psychic who truly

553  
00:28:44,570 --> 00:28:39,120  
understands your needs whatever your

554  
00:28:52,310 --> 00:28:44,580  
dreams may be I one who wrote this find

555  
00:28:55,250 --> 00:28:52,320  
our find our how find out how it's I'm

556  
00:28:58,370 --> 00:28:55,260  
reading it right find out how to achieve

557  
00:29:01,460 --> 00:28:58,380  
success and Happiness faith will help

558  
00:29:04,880 --> 00:29:01,470  
you through love money reunite the

559  
00:29:08,659 --> 00:29:04,890  
sickness and sexual problems and huh

560  
00:29:12,440 --> 00:29:08,669  
faith will not ask you she will tell you

561  
00:29:15,789 --> 00:29:12,450  
why you call she will call out your

562  
00:29:18,640 --> 00:29:15,799  
friends enemies and loved ones by name

563  
00:29:20,900 --> 00:29:18,650

so of course faith is the name of the

564

00:29:23,180 --> 00:29:20,910

psychic I guess faith has helped

565

00:29:25,070 --> 00:29:23,190

thousands across the world let her help

566

00:29:29,390 --> 00:29:25,080

you see results within 24 hours

567

00:29:31,789 --> 00:29:29,400

guaranteed in we're at two five five six

568

00:29:37,220 --> 00:29:31,799

Telegraph Avenue Berkeley open seven

569

00:29:39,890 --> 00:29:37,230

days so there you go my search has been

570

00:29:44,120 --> 00:29:39,900

successful I found the classic

571

00:29:48,980 --> 00:29:44,130

palm reader Tarot store right here in

572

00:29:50,950 --> 00:29:48,990

Berkeley with neon signs and chakra

573

00:30:00,200 --> 00:29:50,960

cleansing

574

00:30:00,210 --> 00:30:07,509

[Music]

575

00:30:11,360 --> 00:30:10,879

the Surf Coast summer spring skeptic

576  
00:30:17,930 --> 00:30:11,370  
camp

577  
00:30:20,960 --> 00:30:17,940  
14th of September this Surf Coast summer

578  
00:30:23,269 --> 00:30:20,970  
spring skeptic camp s cssc is

579  
00:30:25,519 --> 00:30:23,279  
Australia's longest-running skeptic camp

580  
00:30:30,620 --> 00:30:25,529  
this year we are celebrating our seventh

581  
00:30:33,080 --> 00:30:30,630  
year if you want to share something on a

582  
00:30:35,180 --> 00:30:33,090  
skeptically related topic in which you

583  
00:30:37,759 --> 00:30:35,190  
are interested highlight some practices

584  
00:30:39,139 --> 00:30:37,769  
that you see is dubious and need to be

585  
00:30:41,899 --> 00:30:39,149  
brought to the attention of the

586  
00:30:44,360 --> 00:30:41,909  
skeptical community please offer to

587  
00:30:46,639 --> 00:30:44,370  
share your thoughts this is a sharing

588  
00:30:49,190 --> 00:30:46,649

event where many contributors can

589

00:30:51,950 --> 00:30:49,200

combine to make a great day the event is

590

00:30:53,960 --> 00:30:51,960

free however please provide your own

591

00:30:55,100 --> 00:30:53,970

lunch but don't worry there are plenty

592

00:30:58,220 --> 00:30:55,110

of options

593

00:31:01,039 --> 00:30:58,230

locally tea coffee and biscuits will be

594

00:31:04,759 --> 00:31:01,049

provided all day that's Saturday the

595

00:31:06,519 --> 00:31:04,769

14th of September 2019 10:30 a.m. to

596

00:31:09,649 --> 00:31:06,529

4:00 p.m.

597

00:31:13,369 --> 00:31:09,659

the location is Aries in that community

598

00:31:16,430 --> 00:31:13,379

hall six Great Ocean Road airesys inlet

599

00:31:19,039 --> 00:31:16,440

Victoria office to present should be

600

00:31:24,680 --> 00:31:19,049

made to the skeptic groups of Victoria

601  
00:31:28,820 --> 00:31:24,690  
email address at SG o f v IC at

602  
00:31:33,029 --> 00:31:28,830  
gmail.com and to register just follow

603  
00:31:39,220 --> 00:31:36,400  
the Surf Coast summer/spring Skippy camp

604  
00:32:08,590 --> 00:31:39,230  
Australia's longest-running skeptic mmm

605  
00:32:16,659 --> 00:32:08,600  
I think we need to think here susan

606  
00:32:19,539 --> 00:32:16,669  
gerbic hello all its susan gerbic from

607  
00:32:21,850 --> 00:32:19,549  
the GSO w guerrilla skepticism on

608  
00:32:23,770 --> 00:32:21,860  
wikipedia project i wanted to share with

609  
00:32:25,480 --> 00:32:23,780  
you a few highlights of the wikipedia

610  
00:32:27,610 --> 00:32:25,490  
work my team has been working on I

611  
00:32:29,770 --> 00:32:27,620  
should mention that we are involved with

612  
00:32:33,100 --> 00:32:29,780  
small changes all the time adding

613  
00:32:35,950 --> 00:32:33,110

citations photos video also reverting

614

00:32:37,600 --> 00:32:35,960

vandalism and general cleanup the most

615

00:32:40,779 --> 00:32:37,610

visual things we do are complete

616

00:32:44,190 --> 00:32:40,789

rewrites and new page creation since we

617

00:32:48,810 --> 00:32:44,200

have existed as a team we have written

618

00:32:52,390 --> 00:32:48,820

1117 pages in many languages and those

619

00:32:55,510 --> 00:32:52,400

1117 pages have been viewed over 47

620

00:32:58,090 --> 00:32:55,520

million times very cool I know how

621

00:33:00,070 --> 00:32:58,100

so trying to choose pages to talk to you

622

00:33:04,350 --> 00:33:00,080

about coming quite difficult but maybe a

623

00:33:10,300 --> 00:33:07,090

first up is a wikipedia page written by

624

00:33:12,130 --> 00:33:10,310

editor john Gaytan he was inspired to

625

00:33:16,060 --> 00:33:12,140

write this page after listening to the

626

00:33:18,270 --> 00:33:16,070

skeptic zone episode 5 1 7 and I'm

627

00:33:21,850 --> 00:33:18,280

surprised this page didn't already exist

628

00:33:23,350 --> 00:33:21,860

detoxification foot baths every time

629

00:33:25,660 --> 00:33:23,360

I've gone for a pedicure the staff

630

00:33:27,430 --> 00:33:25,670

offers us to me and I thought I heard it

631

00:33:29,950 --> 00:33:27,440

was a scam but you know I didn't really

632

00:33:32,590 --> 00:33:29,960

know why so after reading the Wikipedia

633

00:33:34,360 --> 00:33:32,600

page I know why you put your feet in

634

00:33:37,000 --> 00:33:34,370

this water and after a few minutes the

635

00:33:39,160 --> 00:33:37,010

water turns color usually a brown color

636

00:33:41,470 --> 00:33:39,170

and they say that the foot bath is

637

00:33:43,990 --> 00:33:41,480

removing toxins and if the water is

638

00:33:46,420 --> 00:33:44,000

brown then it's from the liver you're

639

00:33:49,390 --> 00:33:46,430

having your cellular energy rebalanced

640

00:33:51,850 --> 00:33:49,400

apparently sorry to spoil the party but

641

00:33:54,760 --> 00:33:51,860

what happens is water saltwater

642

00:33:57,640 --> 00:33:54,770

the machine has electric current run to

643

00:33:59,380 --> 00:33:57,650

electrode array which causes rest this

644

00:34:02,260 --> 00:33:59,390

happens quite quickly in a process

645

00:34:04,360 --> 00:34:02,270

called electrolysis the reaction happens

646

00:34:06,070 --> 00:34:04,370

regardless or not if your feet are in

647

00:34:07,330 --> 00:34:06,080

the water you know it's it doesn't

648

00:34:10,090 --> 00:34:07,340

matter if your feet are there or not

649

00:34:12,130 --> 00:34:10,100

moving on I and others have been

650

00:34:13,900 --> 00:34:12,140

concerned with the glowing Wikipedia

651  
00:34:16,030 --> 00:34:13,910  
articles written about people who use

652  
00:34:18,700 --> 00:34:16,040  
facilitated communication to communicate

653  
00:34:20,860 --> 00:34:18,710  
and that word communicate is in quotes

654  
00:34:23,080 --> 00:34:20,870  
if you don't know what facilitated

655  
00:34:24,610 --> 00:34:23,090  
communication is then spend some time

656  
00:34:27,640 --> 00:34:24,620  
reading all about it on the terrific

657  
00:34:29,320 --> 00:34:27,650  
Wikipedia page we wrote years ago what

658  
00:34:31,480 --> 00:34:29,330  
is going on is that facilitated

659  
00:34:34,360 --> 00:34:31,490  
communication is a proven pseudoscience

660  
00:34:36,580 --> 00:34:34,370  
the supporters think nonverbal people

661  
00:34:38,110 --> 00:34:36,590  
are able to type if they just have

662  
00:34:41,470 --> 00:34:38,120  
someone hold their hand or guide them

663  
00:34:43,420 --> 00:34:41,480

like a pointer or a Ouija board once

664

00:34:45,460 --> 00:34:43,430

these people are using facilitated

665

00:34:48,250 --> 00:34:45,470

communication they suddenly can write

666

00:34:51,190 --> 00:34:48,260

poetry and engage in long conversations

667

00:34:52,930 --> 00:34:51,200

far above their schooling level what is

668

00:34:56,110 --> 00:34:52,940

happening is that the facilitator is

669

00:34:57,910 --> 00:34:56,120

actually doing the typing anyway we have

670

00:35:00,430 --> 00:34:57,920

been going through Wikipedia pages for

671

00:35:02,980 --> 00:35:00,440

these facilitated communication users

672

00:35:05,710 --> 00:35:02,990

and challenging the Wikipedia pages for

673

00:35:08,140 --> 00:35:05,720

their accuracy the facilitator is the

674

00:35:10,450 --> 00:35:08,150

author of the poetry or the book or the

675

00:35:13,720 --> 00:35:10,460

essay not the facilitated communication

676  
00:35:15,460 --> 00:35:13,730  
user several of the wikipedia pages have

677  
00:35:16,870 --> 00:35:15,470  
been deleted or merged into other

678  
00:35:19,060 --> 00:35:16,880  
articles

679  
00:35:21,610 --> 00:35:19,070  
this has had the facilitated

680  
00:35:23,770 --> 00:35:21,620  
communication community very upset as

681  
00:35:25,780 --> 00:35:23,780  
you can imagine but until they can show

682  
00:35:27,610 --> 00:35:25,790  
some serious evidence showing that it

683  
00:35:30,850 --> 00:35:27,620  
actually works then the pages will

684  
00:35:33,010 --> 00:35:30,860  
continue to be deleted or merged one

685  
00:35:35,680 --> 00:35:33,020  
child has a popular documentary made

686  
00:35:40,330 --> 00:35:35,690  
about him it's called DJ which is

687  
00:35:42,880 --> 00:35:40,340  
spelled de ej DJ has graduated college

688  
00:35:44,980 --> 00:35:42,890

given lectures directed plays and

689

00:35:47,920 --> 00:35:44,990

written articles the movie never shows

690

00:35:49,930 --> 00:35:47,930

any of this directly happening images

691

00:35:52,000 --> 00:35:49,940

are very close-up shots that don't show

692

00:35:53,530 --> 00:35:52,010

him typing independently you'll see his

693

00:35:55,660 --> 00:35:53,540

fingers moving but you can't tell that

694

00:35:57,910 --> 00:35:55,670

actually there's someone holding his

695

00:36:00,280 --> 00:35:57,920

hand and guiding him or even if it is

696

00:36:04,510 --> 00:36:00,290

his own hands sometimes they use a

697

00:36:06,700 --> 00:36:04,520

computerized voice it's it's supposedly

698

00:36:08,970 --> 00:36:06,710

his voice you know typing it in and then

699

00:36:11,650 --> 00:36:08,980

it's played over the over the keyboard

700

00:36:14,230 --> 00:36:11,660

communication but we never see that

701  
00:36:16,060 --> 00:36:14,240  
actually being typed in his mother or

702  
00:36:18,610 --> 00:36:16,070  
his facilitator always is by his side

703  
00:36:20,560 --> 00:36:18,620  
holding his hand over the keyboard so

704  
00:36:24,400 --> 00:36:20,570  
who is actually doing the communication

705  
00:36:27,130 --> 00:36:24,410  
it's a total heart melting story so as

706  
00:36:29,260 --> 00:36:27,140  
long as you don't think about it much so

707  
00:36:31,240 --> 00:36:29,270  
Craig Foster has just published an

708  
00:36:34,930 --> 00:36:31,250  
exhaustive review of the documentary

709  
00:36:38,290 --> 00:36:34,940  
called DJ of vu haha clever huh

710  
00:36:40,330 --> 00:36:38,300  
DJ Ubu which calls in questioned the

711  
00:36:42,550 --> 00:36:40,340  
authorship and explains the history of

712  
00:36:45,730 --> 00:36:42,560  
facilitated community education and its

713  
00:36:48,220 --> 00:36:45,740

lack of scientific vigour now gso w

714

00:36:50,500 --> 00:36:48,230

editors Rob gutentag and Rob Palmer

715

00:36:52,990 --> 00:36:50,510

updated the DJ Wikipedia page with

716

00:36:54,730 --> 00:36:53,000

Foster's review so now people are

717

00:36:56,410 --> 00:36:54,740

reading about DJ we'll get a lot more

718

00:36:59,050 --> 00:36:56,420

understanding of what is actually going

719

00:37:00,820 --> 00:36:59,060

on the Wikipedia page for the book I

720

00:37:03,520 --> 00:37:00,830

returned to love which is written by

721

00:37:06,310 --> 00:37:03,530

u.s. presidential candidate marianne

722

00:37:09,640 --> 00:37:06,320

williamson got a rewrite by gsa w

723

00:37:11,230 --> 00:37:09,650

editors Wyatt Smith and Rob Palmer the

724

00:37:13,900 --> 00:37:11,240

full name of the book might make its

725

00:37:16,030 --> 00:37:13,910

contents clear a return to love

726

00:37:19,600 --> 00:37:16,040

reflections on the principles of A

727

00:37:21,640 --> 00:37:19,610

Course in Miracles mind-body

728

00:37:23,590 --> 00:37:21,650

interventions is a wikipedia page that

729

00:37:25,630 --> 00:37:23,600

received a rewrite by editor Patrick

730

00:37:27,820 --> 00:37:25,640

this describes health and fitness

731

00:37:30,640 --> 00:37:27,830

interventions that are supposed to work

732

00:37:32,680 --> 00:37:30,650

like yoga tai chi hypnotist

733

00:37:35,560 --> 00:37:32,690

prayer and all the therapies like dance

734

00:37:37,060 --> 00:37:35,570

art music this is not feeling good kind

735

00:37:38,920 --> 00:37:37,070

of therapy but they claim something

736

00:37:41,350 --> 00:37:38,930

that's like the medical community has

737

00:37:43,450 --> 00:37:41,360

deemed pseudoscience it's all a bit

738

00:37:46,330 --> 00:37:43,460

confusing to explain and Patrick said it

739

00:37:49,270 --> 00:37:46,340

was a bear to rewrite so check it out

740

00:37:52,390 --> 00:37:49,280

and that was called mind-body

741

00:37:54,400 --> 00:37:52,400

interventions before I give you one more

742

00:37:56,230 --> 00:37:54,410

I'd like to mention that very rarely do

743

00:37:58,450 --> 00:37:56,240

we have to deal with vandalism or people

744

00:38:00,010 --> 00:37:58,460

reverting our writings I get this

745

00:38:01,810 --> 00:38:00,020

question all the time you would think

746

00:38:04,510 --> 00:38:01,820

we'd spend all our time protecting our

747

00:38:06,790 --> 00:38:04,520

work but gso w editors are people just

748

00:38:09,640 --> 00:38:06,800

like you many joined our team after

749

00:38:11,680 --> 00:38:09,650

hearing us on the skeptic zone most had

750

00:38:14,800 --> 00:38:11,690

no special experience with coding or

751  
00:38:17,110 --> 00:38:14,810  
anything related to editing Wikipedia we

752  
00:38:19,120 --> 00:38:17,120  
specialized in training from the very

753  
00:38:21,730 --> 00:38:19,130  
basics it can only take a few months

754  
00:38:23,020 --> 00:38:21,740  
which is a few months but when you're

755  
00:38:24,760 --> 00:38:23,030  
done you will know that what you're

756  
00:38:27,760 --> 00:38:24,770  
doing and it's very difficult to push

757  
00:38:30,150 --> 00:38:27,770  
back and in either work we do so lastly

758  
00:38:33,100 --> 00:38:30,160  
this is a very Australian Wikipedia page

759  
00:38:36,280 --> 00:38:33,110  
editors Julian Harold Baron from the

760  
00:38:38,320 --> 00:38:36,290  
Brisbane skeptics love to travel GS o W

761  
00:38:41,230 --> 00:38:38,330  
does not only focus on pseudoscience but

762  
00:38:43,540 --> 00:38:41,240  
anything related to science avid bird

763  
00:38:45,310 --> 00:38:43,550

watchers Julian Harold decided to write

764

00:38:48,430 --> 00:38:45,320

the Wikipedia page for a book they used

765

00:38:52,060 --> 00:38:48,440

often the Australian bird guide the

766

00:38:54,100 --> 00:38:52,070

authors are Mick Horst Rogers and Clark

767

00:38:55,810 --> 00:38:54,110

and it's such a sweet guidebook and it

768

00:38:58,390 --> 00:38:55,820

brings so much joy to bird watchers I'm

769

00:39:00,240 --> 00:38:58,400

glad it now has a Wikipedia page which

770

00:39:02,470 --> 00:39:00,250

should help it get more attention so

771

00:39:04,810 --> 00:39:02,480

that's all for now skeptics own

772

00:39:06,880 --> 00:39:04,820

listeners this is just a small sample of

773

00:39:09,010 --> 00:39:06,890

the important work we can do if you'd

774

00:39:14,440 --> 00:39:09,020

like more information you can find us on

775

00:39:17,080 --> 00:39:14,450

our website GS owt morgue or on Facebook

776

00:39:19,450 --> 00:39:17,090

I will be speaking at saikhan in Las

777

00:39:21,220 --> 00:39:19,460

Vegas in October at the New Zealand

778

00:39:23,560 --> 00:39:21,230

skeptics conference at the end of

779

00:39:26,490 --> 00:39:23,570

November and skeptic on in early

780

00:39:34,310 --> 00:39:26,500

December please come out and say hi

781

00:39:37,770 --> 00:39:34,320

[Music]

782

00:39:39,690 --> 00:39:37,780

the earth is only six thousand years old

783

00:39:42,780 --> 00:39:39,700

that's what Answers in Genesis and the

784

00:39:46,980 --> 00:39:42,790

Creation Museum say and how can a museum

785

00:39:49,800 --> 00:39:46,990

be wrong isn't dr. oz just wonderful I

786

00:39:52,200 --> 00:39:49,810

will love today's episode it didn't talk

787

00:39:54,930 --> 00:39:52,210

down to his adoring audience of women at

788

00:39:57,330 --> 00:39:54,940

all science has proved that the

789

00:39:58,940 --> 00:39:57,340

subatomic quantum realm is as real as it

790

00:40:01,290 --> 00:39:58,950

is counterintuitive and bizarre

791

00:40:02,700 --> 00:40:01,300

therefore I can use it to support

792

00:40:05,340 --> 00:40:02,710

quantum healing and quantum

793

00:40:07,370 --> 00:40:05,350

consciousness after all how can journals

794

00:40:10,200 --> 00:40:07,380

like Aquarius metaphysics be wrong

795

00:40:11,910 --> 00:40:10,210

evolution is just a theory after all if

796

00:40:14,760 --> 00:40:11,920

we came from monkeys then why are there

797

00:40:16,500 --> 00:40:14,770

still monkeys we all have friends and

798

00:40:19,140 --> 00:40:16,510

family who believe these things and much

799

00:40:21,240 --> 00:40:19,150

more well if you're a rational thinker

800

00:40:23,010 --> 00:40:21,250

who is tired of arguing on social media

801  
00:40:24,060 --> 00:40:23,020  
and never getting anywhere we have a

802  
00:40:26,099 --> 00:40:24,070  
solution for you

803  
00:40:28,560 --> 00:40:26,109  
join the guerrilla skepticism on

804  
00:40:30,960 --> 00:40:28,570  
wikipedia team and we will teach you how

805  
00:40:32,880 --> 00:40:30,970  
to add reliable scientific and skeptical

806  
00:40:36,030 --> 00:40:32,890  
information to the world's number-one

807  
00:40:38,010 --> 00:40:36,040  
source of information Wikipedia we write

808  
00:40:40,530 --> 00:40:38,020  
new articles and improve existing ones

809  
00:40:42,690 --> 00:40:40,540  
we remove pseudoscience paranormal and

810  
00:40:44,880 --> 00:40:42,700  
altmed claims substituting the actual

811  
00:40:47,550 --> 00:40:44,890  
facts and we operate in many languages

812  
00:40:49,920 --> 00:40:47,560  
we've already reached tens of millions

813  
00:40:51,900 --> 00:40:49,930

of people searching for information but

814

00:40:54,990 --> 00:40:51,910

as you can imagine we can never do

815

00:40:57,300 --> 00:40:55,000

enough so please join us all you need is

816

00:40:59,849 --> 00:40:57,310

a PC and the desire to help educate the

817

00:41:02,730 --> 00:40:59,859

planet in fact you'll be educating the

818

00:41:06,450 --> 00:41:02,740

world while you sleep contact us at t--

819

00:41:09,810 --> 00:41:06,460

is w team at gmail.com guerrilla

820

00:41:11,120 --> 00:41:09,820

skepticism the time is now music by

821

00:41:24,170 --> 00:41:11,130

purple planet calm

822

00:41:28,549 --> 00:41:26,690

it's time once again to dive into the

823

00:41:30,799 --> 00:41:28,559

pages of the skeptic the journal from

824

00:41:35,870 --> 00:41:30,809

Australian skeptics this week we're

825

00:41:39,010 --> 00:41:35,880

going back to 1991 volume 11 number 3 on

826

00:41:49,309 --> 00:41:39,020

page 8 an article by Barry Williams

827

00:41:52,430 --> 00:41:49,319

full-moon and empty heads a commonly

828

00:41:54,980 --> 00:41:52,440

held belief has it that various social

829

00:41:57,769 --> 00:41:54,990

phenomena are associated with the phases

830

00:42:00,470 --> 00:41:57,779

of the Moon such as the strength of this

831

00:42:03,470 --> 00:42:00,480

belief achieving folklore status in many

832

00:42:05,660 --> 00:42:03,480

societies that it is accepted almost

833

00:42:07,990 --> 00:42:05,670

without question especially by the

834

00:42:11,120 --> 00:42:08,000

popular media

835

00:42:14,269 --> 00:42:11,130

[Music]

836

00:42:17,569 --> 00:42:14,279

there are at least two possible reasons

837

00:42:21,650 --> 00:42:17,579

why this belief is so strongly held it

838

00:42:24,950 --> 00:42:21,660

may be that it is true or it may be that

839

00:42:28,549 --> 00:42:24,960

some other factor is in play and makes

840

00:42:31,069 --> 00:42:28,559

it appear to be true a number of studies

841

00:42:34,339 --> 00:42:31,079

have been conducted into this assumed

842

00:42:37,370 --> 00:42:34,349

phenomenon some of which purport to show

843

00:42:40,009 --> 00:42:37,380

that there is some validity in the

844

00:42:41,960 --> 00:42:40,019

hypothesis that the phase of the Moon

845

00:42:45,019 --> 00:42:41,970

has an effect on such things as

846

00:42:48,049 --> 00:42:45,029

childbirth suicides accidents bleeding

847

00:42:51,140 --> 00:42:48,059

and mental instability many other

848

00:42:54,650 --> 00:42:51,150

studies are unable to show that any such

849

00:42:56,719 --> 00:42:54,660

relationship exists details of several

850

00:42:59,719 --> 00:42:56,729

of these studies can be found in the

851  
00:43:02,870 --> 00:42:59,729  
moon and the maternity ward bellend

852  
00:43:03,529 --> 00:43:02,880  
Greenspan in paranormal Borderlands of

853  
00:43:07,099 --> 00:43:03,539  
science

854  
00:43:08,839 --> 00:43:07,109  
Prometheus 1991 and the moon is

855  
00:43:11,960 --> 00:43:08,849  
acquitted of murder in Cleveland in

856  
00:43:15,440 --> 00:43:11,970  
sandal E in science confronts the

857  
00:43:18,200 --> 00:43:15,450  
paranormal prometheus 1986 and in

858  
00:43:21,349 --> 00:43:18,210  
various back issues of the skeptical

859  
00:43:23,989 --> 00:43:21,359  
inquirer informal inquiries among

860  
00:43:26,839 --> 00:43:23,999  
emergency service workers and hospital

861  
00:43:30,559 --> 00:43:26,849  
staff have revealed a belief that when

862  
00:43:33,319 --> 00:43:30,569  
the moon is full there is an increase in

863  
00:43:35,959 --> 00:43:33,329

the number of accidents and in the rate

864

00:43:38,839 --> 00:43:35,969

of bleeding in patients undergoing

865

00:43:41,630 --> 00:43:38,849

surgery other inquiries show that most

866

00:43:44,930 --> 00:43:41,640

of the people questioned in common with

867

00:43:48,200 --> 00:43:44,940

most of the population at large have no

868

00:43:50,719 --> 00:43:48,210

idea of what the phase of the Moon is at

869

00:43:52,910 --> 00:43:50,729

any particular time this raises the

870

00:43:54,920 --> 00:43:52,920

suspicion that when any particular

871

00:43:57,979 --> 00:43:54,930

period of increased activity occurs

872

00:44:01,459 --> 00:43:57,989

those involved having cognizance of the

873

00:44:03,499 --> 00:44:01,469

folklore may well assume that it must be

874

00:44:06,559 --> 00:44:03,509

full without any real knowledge of

875

00:44:09,769 --> 00:44:06,569

whether or not this is the case if this

876

00:44:12,400 --> 00:44:09,779

is true then the lunar effect could

877

00:44:15,229 --> 00:44:12,410

easily achieve the status of a

878

00:44:17,589 --> 00:44:15,239

self-sustaining myth without the benefit

879

00:44:20,450 --> 00:44:17,599

of any facts intruding into the case

880

00:44:22,910 --> 00:44:20,460

although it would not be easy to prove

881

00:44:24,390 --> 00:44:22,920

it there is a strong suspicion that this

882

00:44:26,400 --> 00:44:24,400

very simple X

883

00:44:29,220 --> 00:44:26,410

nation can account for most of the

884

00:44:31,470 --> 00:44:29,230

folklore associated with the lunar

885

00:44:35,660 --> 00:44:31,480

effect before we seek to discover

886

00:44:38,549 --> 00:44:35,670

whether or not a lunar effect is a

887

00:44:40,680 --> 00:44:38,559

reasonable supposition we should

888

00:44:42,740 --> 00:44:40,690

consider some of the facts about the

889

00:44:45,960 --> 00:44:42,750

moon and its relationship to the earth

890

00:44:49,400 --> 00:44:45,970

earth is the only one of the four inner

891

00:44:53,130 --> 00:44:49,410

earth-like planets to have a substantial

892

00:44:56,519 --> 00:44:53,140

natural satellite Mercury and Venus have

893

00:45:00,240 --> 00:44:56,529

none and Mars has two very small ones

894

00:45:02,730 --> 00:45:00,250

each of the four gas giant planets has a

895

00:45:06,000 --> 00:45:02,740

retinue of major and minor satellites

896

00:45:09,359 --> 00:45:06,010

and Pluto as far as can be presently

897

00:45:11,700 --> 00:45:09,369

ascertained as only one our Moon is a

898

00:45:14,549 --> 00:45:11,710

respectable body being the sixth largest

899

00:45:18,150 --> 00:45:14,559

of all the satellites and is larger than

900

00:45:21,599 --> 00:45:18,160

the planet Pluto the moon travels in an

901  
00:45:23,700 --> 00:45:21,609  
elliptical orbit around Earth or to be

902  
00:45:26,039 --> 00:45:23,710  
more accurate both the earth and the

903  
00:45:28,920 --> 00:45:26,049  
moon orbit about a point called the

904  
00:45:30,599 --> 00:45:28,930  
barycenter which is located in a direct

905  
00:45:32,760 --> 00:45:30,609  
line between the Centers of the two

906  
00:45:35,039 --> 00:45:32,770  
bodies and about one third of the

907  
00:45:38,250 --> 00:45:35,049  
distance between Earth's surface and its

908  
00:45:43,680 --> 00:45:38,260  
center and its closest approach perigee

909  
00:45:46,529 --> 00:45:43,690  
the moon is 354 thousand kilometers from

910  
00:45:49,589 --> 00:45:46,539  
Earth's center and at its farthest point

911  
00:45:52,200 --> 00:45:49,599  
Apogee it is four hundred and four

912  
00:45:54,750 --> 00:45:52,210  
thousand kilometres away the moon makes

913  
00:45:57,720 --> 00:45:54,760

one rotation on its axis and one

914

00:46:00,630 --> 00:45:57,730

revolution about earth every twenty

915

00:46:03,079 --> 00:46:00,640

seven point three days but because of

916

00:46:05,819 --> 00:46:03,089

the Earth's motion around the Sun one

917

00:46:08,279 --> 00:46:05,829

lunation the period between the

918

00:46:10,730 --> 00:46:08,289

beginning of a particular phase and the

919

00:46:14,400 --> 00:46:10,740

next beginning of the same phase is

920

00:46:17,279 --> 00:46:14,410

twenty nine point five three days the

921

00:46:19,319 --> 00:46:17,289

moon's orbit is also tilted at about

922

00:46:22,079 --> 00:46:19,329

five degrees to the elliptic the

923

00:46:24,690 --> 00:46:22,089

projection of the moon's orbit against

924

00:46:26,609 --> 00:46:24,700

the celestial sphere or the apparent

925

00:46:29,400 --> 00:46:26,619

path of the Sun against the background

926  
00:46:32,490 --> 00:46:29,410  
stars this is fortunate for lovers of

927  
00:46:35,010 --> 00:46:32,500  
full moons if it were not so every full

928  
00:46:37,599 --> 00:46:35,020  
moon would occur simultaneously with a

929  
00:46:41,200 --> 00:46:37,609  
lunar eclipse and every new moon

930  
00:46:44,529 --> 00:46:41,210  
produce a solar eclipse the moonlight we

931  
00:46:47,200 --> 00:46:44,539  
see is only reflected sunlight the moon

932  
00:46:50,170 --> 00:46:47,210  
having no intrinsic luminosity and as

933  
00:46:53,049 --> 00:46:50,180  
such its albedo the fraction of incident

934  
00:46:55,960 --> 00:46:53,059  
light reflected that only approximately

935  
00:46:59,410 --> 00:46:55,970  
seven percent of the incident sunlight

936  
00:47:00,940 --> 00:46:59,420  
is reflected to us as moonlight we are

937  
00:47:03,759 --> 00:47:00,950  
all familiar with the moon's tidal

938  
00:47:05,650 --> 00:47:03,769

effect on the oceans of the earth which

939

00:47:08,109 --> 00:47:05,660

is a function of gravitational

940

00:47:10,630 --> 00:47:08,119

attraction between the two bodies this

941

00:47:13,180 --> 00:47:10,640

effect is directly proportional to the

942

00:47:15,400 --> 00:47:13,190

mass of the two bodies and inversely

943

00:47:18,670 --> 00:47:15,410

proportional to the distance between

944

00:47:21,489 --> 00:47:18,680

them less well-known effects of the

945

00:47:24,819 --> 00:47:21,499

tidal interaction are the synchronous or

946

00:47:27,309 --> 00:47:24,829

captured motion of the moon in that it

947

00:47:29,349 --> 00:47:27,319

always presents the same face to the

948

00:47:32,079 --> 00:47:29,359

earth and the fact that the dissipation

949

00:47:38,109 --> 00:47:32,089

of tidal energy means that the Earth's

950

00:47:41,170 --> 00:47:38,119

rotation is slowing by 0.02 seconds per

951  
00:47:44,109 --> 00:47:41,180  
century and that this slowing of the

952  
00:47:47,319 --> 00:47:44,119  
Earth's rotational speed is transferred

953  
00:47:50,339 --> 00:47:47,329  
by conservation of angular momentum to

954  
00:47:54,339 --> 00:47:50,349  
the moon causing it to speed up and

955  
00:47:56,739 --> 00:47:54,349  
recede from the earth by about 4.5

956  
00:47:59,349 --> 00:47:56,749  
centimeters per year these are the two

957  
00:48:02,519 --> 00:47:59,359  
main physical effects of the two bodies

958  
00:48:04,690 --> 00:48:02,529  
I make no mention here of the more

959  
00:48:07,779 --> 00:48:04,700  
psychological effects of moonlight on

960  
00:48:11,349 --> 00:48:07,789  
the more romantic Denison's of Tin Pan

961  
00:48:14,259 --> 00:48:11,359  
Alley such these lie outside the orbit

962  
00:48:17,170 --> 00:48:14,269  
of this article in the context of the

963  
00:48:21,460 --> 00:48:17,180

facts mentioned above what does the term

964

00:48:24,609 --> 00:48:21,470

full moon mean as moonlight is reflected

965

00:48:27,569 --> 00:48:24,619

sunlight we see a full moon only when

966

00:48:30,309 --> 00:48:27,579

the Sun Earth and Moon lie in an

967

00:48:32,499 --> 00:48:30,319

approximate straight line with the earth

968

00:48:34,960 --> 00:48:32,509

between the other two bodies that is

969

00:48:38,200 --> 00:48:34,970

when the sun is shining directly on the

970

00:48:39,759 --> 00:48:38,210

lunar face we can see on the opposite

971

00:48:41,799 --> 00:48:39,769

side of its orbit when the sun is

972

00:48:45,579 --> 00:48:41,809

shining on the side of the moon we never

973

00:48:48,789 --> 00:48:45,589

see we have a new moon when we cannot

974

00:48:51,099 --> 00:48:48,799

see the moon at all actually we can

975

00:48:53,469 --> 00:48:51,109

sometimes see a very faint moon by

976

00:48:55,779 --> 00:48:53,479

reflected earth light the other phases

977

00:48:58,299 --> 00:48:55,789

lie between these two extremes and are

978

00:49:00,880 --> 00:48:58,309

dependent on the angles between the

979

00:49:03,309 --> 00:49:00,890

three bodies one physical effect of the

980

00:49:05,559 --> 00:49:03,319

Moon on earth is dependent on the phase

981

00:49:09,190 --> 00:49:05,569

of the Moon the height of tides

982

00:49:13,930 --> 00:49:09,200

when the Sun Moon and Earth are in a

983

00:49:17,170 --> 00:49:13,940

line either at full or New Moon then we

984

00:49:19,089 --> 00:49:17,180

get spring higher than normal tides this

985

00:49:21,789 --> 00:49:19,099

is caused by the tidal effects of the

986

00:49:24,009 --> 00:49:21,799

Sun and the moon being cumulative at

987

00:49:27,519 --> 00:49:24,019

other times when the three-body subtend

988

00:49:30,130 --> 00:49:27,529

and angle other than 180 degrees the

989

00:49:33,519 --> 00:49:30,140

solar and lunar tidal effects tend to

990

00:49:35,799 --> 00:49:33,529

ameliorate each other to some extent why

991

00:49:37,900 --> 00:49:35,809

the tidal effects between the Earth and

992

00:49:40,239 --> 00:49:37,910

the moon may be substantial

993

00:49:43,989 --> 00:49:40,249

these effects of the Moon on a single

994

00:49:46,719 --> 00:49:43,999

human being are so minut has to be

995

00:49:48,880 --> 00:49:46,729

unmeasurable and this is what we should

996

00:49:52,959 --> 00:49:48,890

be considering when seeking any

997

00:49:55,870 --> 00:49:52,969

particular lunar effect on individual

998

00:49:58,630 --> 00:49:55,880

people tidal effect as was mentioned

999

00:50:01,479 --> 00:49:58,640

earlier is a function of gravitational

1000

00:50:04,120 --> 00:50:01,489

attraction the gravitational effect of

1001  
00:50:06,880 --> 00:50:04,130  
the earth on each of us is so weak that

1002  
00:50:07,239 --> 00:50:06,890  
we can stand up jump or climb up a

1003  
00:50:09,729 --> 00:50:07,249  
ladder

1004  
00:50:13,199 --> 00:50:09,739  
despite the entire mass of the earth

1005  
00:50:17,769 --> 00:50:13,209  
trying to prevent it the moon has only

1006  
00:50:20,739 --> 00:50:17,779  
181 of the Earth's mass and is 60 times

1007  
00:50:22,630 --> 00:50:20,749  
as far away from us as is the center of

1008  
00:50:24,849 --> 00:50:22,640  
the earth not forgetting that the

1009  
00:50:26,339 --> 00:50:24,859  
gravitational attraction falls off as a

1010  
00:50:28,809 --> 00:50:26,349  
function of the square of the distance

1011  
00:50:32,289 --> 00:50:28,819  
showing that the moon's gravitational

1012  
00:50:34,989 --> 00:50:32,299  
attraction on us is negligible add to

1013  
00:50:37,809 --> 00:50:34,999

this the fact that the tidal effect of

1014

00:50:41,739 --> 00:50:37,819

the moon on earth is enhanced when the

1015

00:50:43,749 --> 00:50:41,749

Sun Moon and Earth are in line then if

1016

00:50:47,049 --> 00:50:43,759

gravity has anything to do with this

1017

00:50:49,930 --> 00:50:47,059

lunar effect its effect at new moon

1018

00:50:53,469 --> 00:50:49,940

should be even stronger than at full

1019

00:50:56,079 --> 00:50:53,479

moon we should also have a solar effect

1020

00:50:58,499 --> 00:50:56,089

because while the sun's tidal effect is

1021

00:51:01,449 --> 00:50:58,509

less than the moon it is nonetheless

1022

00:51:04,839 --> 00:51:01,459

significant and should we not forget the

1023

00:51:07,420 --> 00:51:04,849

fact that at sometimes perigee the

1024

00:51:11,049 --> 00:51:07,430

moon is 50,000 kilometers closer to us

1025

00:51:12,940 --> 00:51:11,059

then at others Apogee perigee and Apogee

1026

00:51:15,789 --> 00:51:12,950

have nothing to do with the moon's

1027

00:51:19,079 --> 00:51:15,799

phases this difference in distance

1028

00:51:21,059 --> 00:51:19,089

remembering the inverse square rule

1029

00:51:24,039 --> 00:51:21,069

certainly should have a greater effect

1030

00:51:28,870 --> 00:51:24,049

then would the different phases

1031

00:51:30,729 --> 00:51:28,880

why then as the perigee effect not

1032

00:51:33,930 --> 00:51:30,739

become part of our folklore

1033

00:51:36,910 --> 00:51:33,940

I suggest that no one apart from a few

1034

00:51:40,479 --> 00:51:36,920

astronomers has any idea when the moon

1035

00:51:44,140 --> 00:51:40,489

is at perigee or indeed that such a

1036

00:51:46,269 --> 00:51:44,150

thing as perigee even exists while

1037

00:51:48,880 --> 00:51:46,279

everyone has been exposed through the

1038

00:51:51,579 --> 00:51:48,890

media to the full moon effect mythology

1039

00:51:54,039 --> 00:51:51,589

and only has to look at the night sky to

1040

00:51:57,309 --> 00:51:54,049

determine when there is a full moon

1041

00:51:58,960 --> 00:51:57,319

unless we accept the mysterious energies

1042

00:52:00,819 --> 00:51:58,970

unknown to science

1043

00:52:04,210 --> 00:52:00,829

which have been covered before in this

1044

00:52:06,009 --> 00:52:04,220

magazine volume 10 number one and for

1045

00:52:07,839 --> 00:52:06,019

which there is no evidence outside the

1046

00:52:10,209 --> 00:52:07,849

thieve of imaginations of those who

1047

00:52:12,910 --> 00:52:10,219

would postulate a paranormal view of the

1048

00:52:16,170 --> 00:52:12,920

world we have to assume that any full

1049

00:52:19,120 --> 00:52:16,180

moon effect must be mediated by either

1050

00:52:22,660 --> 00:52:19,130

gravitational or electromagnetic

1051  
00:52:25,769 --> 00:52:22,670  
radiation gravity as shown above would

1052  
00:52:28,209 --> 00:52:25,779  
appear to be a very poor candidate and

1053  
00:52:31,709 --> 00:52:28,219  
electromagnetic radiation would appear

1054  
00:52:34,420 --> 00:52:31,719  
to be even worse the only difference in

1055  
00:52:36,969 --> 00:52:34,430  
electromagnetic radiation we experience

1056  
00:52:39,549 --> 00:52:36,979  
at different phases of the Moon is in

1057  
00:52:42,339 --> 00:52:39,559  
the amount of reflected sunlight we see

1058  
00:52:45,339 --> 00:52:42,349  
if reflected sunlight can have such an

1059  
00:52:48,219 --> 00:52:45,349  
effect then we should experience a very

1060  
00:52:51,519 --> 00:52:48,229  
much more noticeable effect between day

1061  
00:52:53,469 --> 00:52:51,529  
and night here on earth we certainly get

1062  
00:52:57,039 --> 00:52:53,479  
orders of magnitude more sunlight

1063  
00:52:59,829 --> 00:52:57,049

reflected from our own planet on any day

1064

00:53:02,559 --> 00:52:59,839

than we do from a few pathetic glimmers

1065

00:53:05,620 --> 00:53:02,569

from moonlight no matter how full the

1066

00:53:08,829 --> 00:53:05,630

moon regardless of how irrational it may

1067

00:53:11,469 --> 00:53:08,839

appear if there is indeed a lunar effect

1068

00:53:14,440 --> 00:53:11,479

then somehow we should be able to work

1069

00:53:16,359 --> 00:53:14,450

out how it occurs we human beings have

1070

00:53:18,400 --> 00:53:16,369

managed to solve far more difficult

1071

00:53:20,470 --> 00:53:18,410

problems than this as

1072

00:53:22,480 --> 00:53:20,480

non-scientist who has ever read about

1073

00:53:25,720 --> 00:53:22,490

relativity and quantum physics will

1074

00:53:28,450 --> 00:53:25,730

attest but as it has been stated many

1075

00:53:30,250 --> 00:53:28,460

times before in this magazine there is

1076

00:53:32,559 --> 00:53:30,260

not much point in wasting time on

1077

00:53:36,010 --> 00:53:32,569

discovering how something occurs until

1078

00:53:38,890 --> 00:53:36,020

it has been established that it does

1079

00:53:42,400 --> 00:53:38,900

occur until there is a great deal more

1080

00:53:45,609 --> 00:53:42,410

evidence that there is a lunar effect we

1081

00:53:52,660 --> 00:53:45,619

are perfectly entitled to regard it as

1082

00:53:55,329 --> 00:53:52,670

nothing more than moonshine and that was

1083

00:53:58,029 --> 00:53:55,339

full moon and empty heads by Barry

1084

00:54:00,069 --> 00:53:58,039

Williams published in the skeptic

1085

00:54:06,860 --> 00:54:00,079

magazine the journal from Australian

1086

00:54:09,200 --> 00:54:06,870

skeptics volume 11 number one from 1991

1087

00:54:12,440 --> 00:54:09,210

and that issue together with other

1088

00:54:17,130 --> 00:54:12,450

issues going back to 1981 a yours free

1089

00:54:33,190 --> 00:54:17,140

to download at WWF Descamps a you

1090

00:54:37,970 --> 00:54:35,720

thank you for listening to the skeptic

1091

00:54:39,950 --> 00:54:37,980

zone now here's a quick note from our

1092

00:54:41,890 --> 00:54:39,960

friends at the Maury attic skeptics in

1093

00:54:45,859 --> 00:54:41,900

the pub Maury skeptics in the pub on

1094

00:54:47,690 --> 00:54:45,869

Tuesday the 3rd of September from 7:30

1095

00:54:51,109 --> 00:54:47,700

p.m. we have a talk

1096

00:54:54,710 --> 00:54:51,119

stem looking beyond the surface to see

1097

00:54:55,490 --> 00:54:54,720

what it is and what it's not now I've

1098

00:54:58,220 --> 00:54:55,500

had the pleasure

1099

00:54:59,809 --> 00:54:58,230

over the years of speaking at Morty

1100

00:55:02,329 --> 00:54:59,819

skeptics in the pub if you'd like to

1101  
00:55:05,329 --> 00:55:02,339  
find out more go along have a drink and

1102  
00:55:06,980 --> 00:55:05,339  
attend the talk I will put a link in

1103  
00:55:08,990 --> 00:55:06,990  
this week's show notes or you can just

1104  
00:55:11,569 --> 00:55:09,000  
google Maury Alec skeptics in the pub

1105  
00:55:13,819 --> 00:55:11,579  
I'm looking forward to meeting skeptics

1106  
00:55:16,789 --> 00:55:13,829  
owned fans and friends at DragonCon

1107  
00:55:18,529 --> 00:55:16,799  
and in fact next week's episode of the

1108  
00:55:20,870 --> 00:55:18,539  
skeptic zone we'll be coming to you from

1109  
00:55:23,809 --> 00:55:20,880  
Atlanta Georgia and if you are going to

1110  
00:55:27,650 --> 00:55:23,819  
be coming along to Dragon Con there's a

1111  
00:55:32,569 --> 00:55:27,660  
skeptic zone live recording on Saturday

1112  
00:55:34,549 --> 00:55:32,579  
the 31st of August at 5:30 p.m. at the

1113  
00:55:37,250 --> 00:55:34,559

skeptic which is in the Hilton Hotel

1114

00:55:38,839 --> 00:55:37,260

once again thank you to those people who

1115

00:55:43,730 --> 00:55:38,849

contribute to the skeptic zone via

1116

00:55:45,500 --> 00:55:43,740

patreon at skeptic zone TV and as you

1117

00:55:49,519 --> 00:55:45,510

know and as I always say it's your

1118

00:55:51,440 --> 00:55:49,529

contributions your patronage that keeps

1119

00:55:53,210 --> 00:55:51,450

the show going but for this week

1120

00:55:59,200 --> 00:55:53,220

this is Richard Saunders signing off

1121

00:56:04,450 --> 00:56:01,540

you've been listening to the skeptic

1122

00:56:11,140 --> 00:56:04,460

zone podcast please visit our website at

1123

00:56:14,640 --> 00:56:11,150

wwlp.com tax and to access the bat

1124

00:56:17,319 --> 00:56:14,650

catalog of episodes going back to 2008

1125

00:56:20,589 --> 00:56:17,329

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1126

00:56:22,870 --> 00:56:20,599

on twitter at skeptic zone visit our

1127

00:56:26,260 --> 00:56:22,880

facebook page or leave a review on

1128

00:56:29,620 --> 00:56:26,270

itunes you can also support the skeptic

1129

00:56:30,609 --> 00:56:29,630

zone via patreon or paypal the skeptic

1130

00:56:33,730 --> 00:56:30,619

zone podcast

1131

00:56:35,530 --> 00:56:33,740

is an independent production reviews and

1132

00:56:37,780 --> 00:56:35,540

opinions expressed on the skeptic zone

1133

00:56:40,329 --> 00:56:37,790

and not necessarily those of Australian

1134

00:56:41,200 --> 00:56:40,339

skeptics or any other skeptical

1135

00:56:52,210 --> 00:56:41,210

organisation

1136

00:56:57,880 --> 00:56:56,890

and press stop here we go say it almost

1137

00:56:58,800 --> 00:56:57,890

it almost sounds like you've done this

1138

00:57:05,440 --> 00:56:58,810

before

1139

00:57:08,140 --> 00:57:05,450

No and now we're speaking to Jay diamond

1140

00:57:11,859 --> 00:57:08,150

here on the skeptics and Jay we have to

1141

00:57:13,300 --> 00:57:11,869

play the dice game delightful we do we

1142

00:57:16,359 --> 00:57:13,310

don't why do you have a dice

1143

00:57:17,800 --> 00:57:16,369

I don't you have dice you know hard time

1144

00:57:20,020 --> 00:57:17,810

playing Sheila's gonna give some dice

1145

00:57:21,339 --> 00:57:20,030

all right folks as you know well some of

1146

00:57:24,849 --> 00:57:21,349

you know at the end of the show every

1147

00:57:27,280 --> 00:57:24,859

week not every week a lot of times holy

1148

00:57:33,550 --> 00:57:27,290

Mac look at this it's a lot of dice

1149

00:57:34,270 --> 00:57:33,560

we've got a d20 goodness beautiful those

1150

00:57:38,349 --> 00:57:34,280

are beautiful

1151

00:57:40,599 --> 00:57:38,359

what's that one that's a D that's a d20

1152

00:57:46,120 --> 00:57:40,609

there's such a deep let's play with the

1153

00:57:48,700 --> 00:57:46,130

D train oh it's beautiful what we're

1154

00:57:50,500 --> 00:57:48,710

going to play with the d20 yes so the

1155

00:57:53,650 --> 00:57:50,510

idea is I'm gonna roll this three times

1156

00:57:55,599 --> 00:57:53,660

and folks at home listening in your car

1157

00:57:58,210 --> 00:57:55,609

listening jogging walking the dog doing

1158

00:58:00,640 --> 00:57:58,220

the dishes whatever you're doing and you

1159

00:58:03,160 --> 00:58:00,650

long-distance truck drivers in Canada

1160

00:58:07,270 --> 00:58:03,170

Canada Jay central Canada central Canada

1161

00:58:09,130 --> 00:58:07,280

who write to me one anyway alright so I

1162

00:58:10,329 --> 00:58:09,140

want you to use your everybody laughs in

1163

00:58:12,340 --> 00:58:10,339

a minute really I want you to use your

1164

00:58:17,819 --> 00:58:12,350

psychic powers

1165

00:58:22,660 --> 00:58:20,890

losing the pluck to guess guess I'm

1166

00:58:24,400 --> 00:58:22,670

sorry to predict the number that's gonna

1167

00:58:26,859 --> 00:58:24,410

cover are you are you going to predict

1168

00:58:29,620 --> 00:58:26,869

I'm going to predict it okay 1 2 20 what

1169

00:58:32,740 --> 00:58:29,630

what is your prediction it is a 7 horse

1170

00:58:35,470 --> 00:58:32,750

is there any question really and you can

1171

00:58:37,450 --> 00:58:35,480

be my independent judges so this is real

1172

00:58:42,100 --> 00:58:37,460

right here we go this is real I'm

1173

00:58:45,140 --> 00:58:42,110

rolling the dice now it's a 7

1174

00:58:48,570 --> 00:58:45,150

[Laughter]

1175

00:58:49,680 --> 00:58:48,580

9:19 it might not be seven no that's

1176

00:58:52,050 --> 00:58:49,690

nowhere on that dice

1177

00:58:54,510 --> 00:58:52,060

so this some are okay dice okay the

1178

00:59:00,180 --> 00:58:54,520

first numbers it is 1919 what's your do

1179

00:59:03,440 --> 00:59:00,190

next prediction it is it is 14 mm 14

1180

00:59:08,970 --> 00:59:03,450

here we go it's definitely 14 definitely

1181

00:59:10,740 --> 00:59:08,980

huh what's that that is 17 I was only

1182

00:59:14,330 --> 00:59:10,750

three away you're getting your hopes up

1183

00:59:16,740 --> 00:59:14,340

Greenlee closing question obviously

1184

00:59:21,630 --> 00:59:16,750

obviously you have one more shot at this

1185

00:59:28,040 --> 00:59:21,640

come on it's for four obviously shaking

1186

00:59:32,040 --> 00:59:28,050

it now and easily three only one away