

**SK≡PTIKO**  
science & spirituality

***DENIERS  
DENYING  
DENIERS***

**#515-SARA-JACK-GORMAN**



1  
00:00:04,789 --> 00:00:02,550  
there's no doubt speaking up takes

2  
00:00:06,470 --> 00:00:04,799  
courage but we want to be your voice

3  
00:00:08,310 --> 00:00:06,480  
when you really need one and we back the

4  
00:00:09,509 --> 00:00:08,320  
australians who are doing it tough we're

5  
00:00:11,350 --> 00:00:09,519  
bold

6  
00:00:13,509 --> 00:00:11,360  
we're credible we're australia's most

7  
00:00:16,630 --> 00:00:13,519  
fearless straight talkers there is a

8  
00:00:18,710 --> 00:00:16,640  
rawness and an authenticity to sky that

9  
00:00:21,109 --> 00:00:18,720  
i think you'll struggle to find anywhere

10  
00:00:26,150 --> 00:00:24,230  
that is a promo piece for sky news

11  
00:00:28,550 --> 00:00:26,160  
australia which no matter what you think

12  
00:00:31,109 --> 00:00:28,560  
about rupert murdoch sky news you gotta

13  
00:00:32,630 --> 00:00:31,119

acknowledge that sky news australia is

14

00:00:34,310 --> 00:00:32,640

mainstream

15

00:00:36,069 --> 00:00:34,320

and the reason i bring it up on this

16

00:00:38,310 --> 00:00:36,079

show is because they were in the news

17

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

recently because they had their videos

18

00:00:43,270 --> 00:00:40,960

banned from youtube because

19

00:00:47,029 --> 00:00:43,280

they dared to challenge the idea that

20

00:00:49,270 --> 00:00:47,039

masks are effective for kovid19 which i

21

00:00:51,590 --> 00:00:49,280

could go on and on about and i'm kind of

22

00:00:54,549 --> 00:00:51,600

tempted to it's this interview i have

23

00:00:56,389 --> 00:00:54,559

coming up with sarah and jack gorman

24

00:00:59,110 --> 00:00:56,399

they have a new book called denying to

25

00:01:01,270 --> 00:00:59,120

the grave why we ignore the facts that

26

00:01:03,189 --> 00:01:01,280

will save us and you know so right off

27

00:01:04,789 --> 00:01:03,199

the bat this is like so classic

28

00:01:06,710 --> 00:01:04,799

skeptical this is like 10 years ago

29

00:01:08,870 --> 00:01:06,720

skeptico because these people are super

30

00:01:11,590 --> 00:01:08,880

smart qualified sarah you know

31

00:01:12,950 --> 00:01:11,600

undergraduate degree harvard phd

32

00:01:15,350 --> 00:01:12,960

columbia

33

00:01:19,030 --> 00:01:15,360

jack has an even more impressive

34

00:01:21,429 --> 00:01:19,040

background md columbia psychiatry

35

00:01:24,710 --> 00:01:21,439

multiple fellowships taught at the med

36

00:01:27,350 --> 00:01:24,720

school there i mean these are very very

37

00:01:28,710 --> 00:01:27,360

intelligent people and their book is

38

00:01:30,630 --> 00:01:28,720

atrocious

39

00:01:32,390 --> 00:01:30,640

when it comes to the science that we've

40

00:01:35,670 --> 00:01:32,400

talked about for so many years on this

41

00:01:38,230 --> 00:01:35,680

show it completely fails from jump

42

00:01:40,710 --> 00:01:38,240

street it fails from the fundamentals

43

00:01:42,069 --> 00:01:40,720

science is a method it's not a position

44

00:01:43,910 --> 00:01:42,079

statement so

45

00:01:46,230 --> 00:01:43,920

again i could go on and on and i can't

46

00:01:47,990 --> 00:01:46,240

do a lot of this with this interview

47

00:01:50,149 --> 00:01:48,000

debate that i know makes a lot of people

48

00:01:51,749 --> 00:01:50,159

uncomfortable and for those of you who

49

00:01:54,069 --> 00:01:51,759

it doesn't make uncomfortable let me

50

00:01:55,830 --> 00:01:54,079

tell you you are in the minority when i

51

00:01:58,709 --> 00:01:55,840

do interviews like this

52

00:02:01,429 --> 00:01:58,719

most people really do not like this kind

53

00:02:03,350 --> 00:02:01,439

of dialogue but i gotta say where else

54

00:02:06,550 --> 00:02:03,360

are you gonna hear this kind of stuff

55

00:02:08,949 --> 00:02:06,560

where else is this silliness going to be

56

00:02:11,670 --> 00:02:08,959

exposed so speaking of silliness here's

57

00:02:14,390 --> 00:02:11,680

where i start which seems obvious to me

58

00:02:15,510 --> 00:02:14,400

to anyone who cares about science

59

00:02:17,750 --> 00:02:15,520

and that is

60

00:02:20,550 --> 00:02:17,760

should we limit scientific debate should

61

00:02:23,270 --> 00:02:20,560

we feel okay that scientific debate is

62

00:02:25,030 --> 00:02:23,280

being banned being censored here's a

63

00:02:26,790 --> 00:02:25,040

clip

64

00:02:29,430 --> 00:02:26,800

very disturbing to me when people talk

65

00:02:31,750 --> 00:02:29,440

about information being dangerous

66

00:02:34,150 --> 00:02:31,760

and opinions being dangerous why we

67

00:02:36,550 --> 00:02:34,160

would ever want to limit a scientific

68

00:02:39,190 --> 00:02:36,560

discussion because we don't agree with

69

00:02:41,270 --> 00:02:39,200

somebody i find that very troubling i i

70

00:02:43,030 --> 00:02:41,280

do think that anybody who spreads

71

00:02:45,589 --> 00:02:43,040

information about

72

00:02:47,110 --> 00:02:45,599

the medical technology that people need

73

00:02:48,869 --> 00:02:47,120

in order to survive

74

00:02:51,350 --> 00:02:48,879

that's not true

75

00:02:53,030 --> 00:02:51,360

and usually it's intentionally not true

76

00:02:55,270 --> 00:02:53,040

i don't think that they should be

77

00:02:57,670 --> 00:02:55,280

allowed to have any platform they want

78

00:03:00,790 --> 00:02:57,680

sarah who would determine what's not

79

00:03:03,430 --> 00:03:00,800

true isn't that the job of science

80

00:03:05,110 --> 00:03:03,440

yeah well science has already determined

81

00:03:06,630 --> 00:03:05,120

certain things about vaccines that

82

00:03:07,990 --> 00:03:06,640

they're safe and effective certain

83

00:03:09,830 --> 00:03:08,000

vaccines that they're saying science

84

00:03:12,630 --> 00:03:09,840

really determine anything i think in

85

00:03:14,949 --> 00:03:12,640

your book you say there's nothing is 100

86

00:03:16,869 --> 00:03:14,959

true science isn't about proof right

87

00:03:19,509 --> 00:03:16,879

it's about evidence it's about

88

00:03:20,790 --> 00:03:19,519

statistically certainty one way or

89

00:03:22,470 --> 00:03:20,800

another right

90

00:03:23,910 --> 00:03:22,480

you know first of all i think we should

91

00:03:25,110 --> 00:03:23,920

just one one thing is we're not really

92

00:03:26,710 --> 00:03:25,120

talking about the first amendment here

93

00:03:29,910 --> 00:03:26,720

because the first amendment only applies

94

00:03:33,190 --> 00:03:29,920

to government censorship the idea that

95

00:03:36,390 --> 00:03:33,200

youtube facebook and twitter are not

96

00:03:39,270 --> 00:03:36,400

part of what we have all assumed

97

00:03:41,350 --> 00:03:39,280

throughout our lives is this free press

98

00:03:43,670 --> 00:03:41,360

can't be sustained

99

00:03:46,149 --> 00:03:43,680

so sarah is obviously lost in the woods

100

00:03:49,270 --> 00:03:46,159

here but as the discussion goes on her

101  
00:03:51,990 --> 00:03:49,280  
dad jack tries to save her when we wind

102  
00:03:54,229 --> 00:03:52,000  
up talking about whether masks are

103  
00:03:56,229 --> 00:03:54,239  
effective and here comes the really

104  
00:03:58,550 --> 00:03:56,239  
interesting part

105  
00:04:01,670 --> 00:03:58,560  
overall the use of masks in community

106  
00:04:03,270 --> 00:04:01,680  
did not reduce the risk of influenza

107  
00:04:06,149 --> 00:04:03,280  
over and over again these studies have

108  
00:04:09,190 --> 00:04:06,159  
been replicated and they always generate

109  
00:04:10,710 --> 00:04:09,200  
a null result and then finally we had

110  
00:04:15,429 --> 00:04:10,720  
the

111  
00:04:18,390 --> 00:04:15,439  
and reveals in an email that he never

112  
00:04:20,949 --> 00:04:18,400  
made public that he knew all along that

113  
00:04:23,350 --> 00:04:20,959

in terms of public health not in terms

114

00:04:25,189 --> 00:04:23,360

of laboratory not whether you can make a

115

00:04:27,350 --> 00:04:25,199

mask work in a laboratory setting which

116

00:04:29,510 --> 00:04:27,360

we all understand you can but whether

117

00:04:30,469 --> 00:04:29,520

from a public health standpoint they

118

00:04:31,990 --> 00:04:30,479

work

119

00:04:34,230 --> 00:04:32,000

he comes out and says yeah i know they

120

00:04:36,390 --> 00:04:34,240

never worked i still think masks work

121

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

obviously and probably sarah does too i

122

00:04:39,189 --> 00:04:37,840

don't have the data

123

00:04:40,710 --> 00:04:39,199

at the tip of my fingers the way you

124

00:04:42,310 --> 00:04:40,720

just did which was really great that you

125

00:04:44,310 --> 00:04:42,320

had that there so i'm not going to be

126

00:04:47,189 --> 00:04:44,320

able to engage in a

127

00:04:49,110 --> 00:04:47,199

informed conversation about it

128

00:04:49,990 --> 00:04:49,120

but no one is suppressing either side

129

00:04:51,749 --> 00:04:50,000

right

130

00:04:53,670 --> 00:04:51,759

i got to say in my book

131

00:04:54,950 --> 00:04:53,680

mass work you get to say your maths

132

00:04:57,030 --> 00:04:54,960

don't work

133

00:04:58,790 --> 00:04:57,040

public sees both sides oh no that's

134

00:05:00,390 --> 00:04:58,800

suppressed on youtube you can't say that

135

00:05:02,469 --> 00:05:00,400

or you're banned

136

00:05:04,550 --> 00:05:02,479

you can't say masks don't work on

137

00:05:06,390 --> 00:05:04,560

youtube that's that's correct

138

00:05:07,510 --> 00:05:06,400

so here it is here's the payoff here's

139

00:05:08,550 --> 00:05:07,520

the part i think is particularly

140

00:05:11,990 --> 00:05:08,560

interesting

141

00:05:14,469 --> 00:05:12,000

jack super smart guy md

142

00:05:16,710 --> 00:05:14,479

expert in public health policy

143

00:05:18,790 --> 00:05:16,720

expert in this interface between science

144

00:05:21,670 --> 00:05:18,800

and public health policy

145

00:05:23,430 --> 00:05:21,680

genuinely does not know that youtube

146

00:05:25,350 --> 00:05:23,440

videos are banned

147

00:05:26,390 --> 00:05:25,360

and i don't even completely fault him

148

00:05:27,870 --> 00:05:26,400

for this

149

00:05:29,590 --> 00:05:27,880

this is where

150

00:05:31,029 --> 00:05:29,600

conspiracy

151  
00:05:33,029 --> 00:05:31,039  
and the kind of material that i've

152  
00:05:35,670 --> 00:05:33,039  
really engaged in the last few years

153  
00:05:37,189 --> 00:05:35,680  
this is why it's so important

154  
00:05:39,189 --> 00:05:37,199  
one more clip from the interview that's

155  
00:05:41,510 --> 00:05:39,199  
coming up

156  
00:05:43,510 --> 00:05:41,520  
what else you got for us today

157  
00:05:45,749 --> 00:05:43,520  
i tell you one thing i got you wrote on

158  
00:05:47,749 --> 00:05:45,759  
conspiracy theory we think it's

159  
00:05:50,629 --> 00:05:47,759  
reasonable to say

160  
00:05:53,029 --> 00:05:50,639  
even without any data to support it

161  
00:05:56,309 --> 00:05:53,039  
that most people have never been part of

162  
00:05:57,510 --> 00:05:56,319  
a conspiracy or even known a person who

163  
00:05:59,510 --> 00:05:57,520

has

164

00:06:02,230 --> 00:05:59,520

and the thing that struck me is

165

00:06:03,670 --> 00:06:02,240

man first of all i grew up in chicago

166

00:06:05,510 --> 00:06:03,680

where right i don't know how it is in

167

00:06:07,670 --> 00:06:05,520

new york but you don't get anything done

168

00:06:09,749 --> 00:06:07,680

without paying somebody off influencing

169

00:06:10,710 --> 00:06:09,759

somebody and everything is a frequency

170

00:06:15,909 --> 00:06:10,720

right

171

00:06:19,189 --> 00:06:15,919

research associate at university arizona

172

00:06:21,430 --> 00:06:19,199

right for and i left because i thought

173

00:06:22,550 --> 00:06:21,440

you know the phd process and that whole

174

00:06:25,110 --> 00:06:22,560

thing was

175

00:06:26,870 --> 00:06:25,120

very political quote-unquote uh which is

176

00:06:28,870 --> 00:06:26,880

also conspiratorial and then i got into

177

00:06:31,110 --> 00:06:28,880

business and i had a business and built

178

00:06:34,150 --> 00:06:31,120

my business up sold it to uh

179

00:06:35,749 --> 00:06:34,160

a nasdaq company everything about that

180

00:06:37,430 --> 00:06:35,759

everything about business everything

181

00:06:39,350 --> 00:06:37,440

about large uh

182

00:06:41,430 --> 00:06:39,360

financial transactions is holly is a

183

00:06:43,830 --> 00:06:41,440

conspiracy but then the first one you

184

00:06:46,390 --> 00:06:43,840

use is an example of a conspiracy and my

185

00:06:48,629 --> 00:06:46,400

audience will love this a conspiracy was

186

00:06:49,670 --> 00:06:48,639

behind the assassination of president

187

00:06:52,469 --> 00:06:49,680

lincoln

188

00:06:54,790 --> 00:06:52,479

but not president kennedy and again

189

00:06:55,670 --> 00:06:54,800

since we'll wrap this up

190

00:06:57,510 --> 00:06:55,680

but

191

00:07:00,950 --> 00:06:57,520

you guys need to google

192

00:07:02,710 --> 00:07:00,960

united states house select committee on

193

00:07:05,990 --> 00:07:02,720

assassinations

194

00:07:08,390 --> 00:07:06,000

and then add conspiracy or sound data i

195

00:07:10,150 --> 00:07:08,400

mean that is the finding of

196

00:07:12,150 --> 00:07:10,160

that committee is that it was a

197

00:07:14,390 --> 00:07:12,160

conspiracy

198

00:07:18,070 --> 00:07:14,400

wow i guess as you can tell i'm pretty

199

00:07:20,629 --> 00:07:18,080

worked up but it is so so skeptical so

200

00:07:22,309 --> 00:07:20,639

anyways this is a dialogue that i'm glad

201  
00:07:23,990 --> 00:07:22,319  
we had i'm sure it's going to make a lot

202  
00:07:25,670 --> 00:07:24,000  
of people uncomfortable and i'm sure it

203  
00:07:27,430 --> 00:07:25,680  
made our guests a little bit

204  
00:07:28,629 --> 00:07:27,440  
uncomfortable but

205  
00:07:30,469 --> 00:07:28,639  
man you got to do your work if you're

206  
00:07:33,510 --> 00:07:30,479  
going to come on the show here's my

207  
00:07:35,350 --> 00:07:33,520  
interview with sarah and jack gorman

208  
00:07:37,430 --> 00:07:35,360  
welcome to skeptica where we explore

209  
00:07:39,670 --> 00:07:37,440  
controversial science and spirituality

210  
00:07:41,830 --> 00:07:39,680  
with leading researchers thinkers and

211  
00:07:43,510 --> 00:07:41,840  
their critics i'm your host alex karis

212  
00:07:45,990 --> 00:07:43,520  
and today

213  
00:07:48,790 --> 00:07:46,000

well we have something special because

214

00:07:52,150 --> 00:07:48,800

intelligent science driven dialogues

215

00:07:53,909 --> 00:07:52,160

with people who disagree are difficult

216

00:07:55,830 --> 00:07:53,919

and they're not only difficult to have

217

00:07:57,749 --> 00:07:55,840

these kind of discussions but they're

218

00:07:59,830 --> 00:07:57,759

even difficult to arrange him i can tell

219

00:08:01,909 --> 00:07:59,840

you i can't tell you how many i've tried

220

00:08:04,390 --> 00:08:01,919

to do and it's really hard to get

221

00:08:06,469 --> 00:08:04,400

authors to come on if they have any

222

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

sense that the other party isn't going

223

00:08:13,189 --> 00:08:09,919

to agree with them so when holly who is

224

00:08:14,469 --> 00:08:13,199

the pr rep from oxford university press

225

00:08:16,070 --> 00:08:14,479

originally

226

00:08:17,589 --> 00:08:16,080

reached out to me and said hey would you

227

00:08:19,510 --> 00:08:17,599

like to do this

228

00:08:21,270 --> 00:08:19,520

i was like absolutely just make sure

229

00:08:24,550 --> 00:08:21,280

they're down with it so

230

00:08:26,950 --> 00:08:24,560

i was delighted and surprised so i think

231

00:08:29,430 --> 00:08:26,960

this is good it's an opportunity again

232

00:08:31,510 --> 00:08:29,440

to have these kind of dialogues that are

233

00:08:34,070 --> 00:08:31,520

can be difficult to have but i think can

234

00:08:36,070 --> 00:08:34,080

be important too so

235

00:08:39,750 --> 00:08:36,080

our guests today are

236

00:08:43,990 --> 00:08:39,760

super bright super qualified dr sarah

237

00:08:46,389 --> 00:08:44,000

gorman and dr jack gorman join us today

238

00:08:47,990 --> 00:08:46,399

why don't we start by

239

00:08:50,550 --> 00:08:48,000

talking a little bit about your

240

00:08:52,630 --> 00:08:50,560

backgrounds first of all this is the

241

00:08:55,350 --> 00:08:52,640

names are the same we're just chatting a

242

00:08:57,590 --> 00:08:55,360

second ago we have a father-daughter

243

00:08:59,590 --> 00:08:57,600

writing team here which is

244

00:09:01,670 --> 00:08:59,600

quite cool and i was just saying i think

245

00:09:04,150 --> 00:09:01,680

i'd love to do that someday with my

246

00:09:05,750 --> 00:09:04,160

daughters it's a testament to a family

247

00:09:07,269 --> 00:09:05,760

that can

248

00:09:09,269 --> 00:09:07,279

hang together i tell you if you can

249

00:09:11,030 --> 00:09:09,279

write a book together and edit it

250

00:09:13,670 --> 00:09:11,040

together then

251  
00:09:16,949 --> 00:09:13,680  
there's a strong relationship there that

252  
00:09:19,030 --> 00:09:16,959  
really needs to be uh celebrated so

253  
00:09:20,470 --> 00:09:19,040  
let's start maybe sarah start with you

254  
00:09:22,790 --> 00:09:20,480  
tell us a little bit about your very

255  
00:09:24,230 --> 00:09:22,800  
impressive background tell folks about

256  
00:09:26,070 --> 00:09:24,240  
your background who you are and how you

257  
00:09:27,430 --> 00:09:26,080  
came to write the book

258  
00:09:29,590 --> 00:09:27,440  
sure so

259  
00:09:31,110 --> 00:09:29,600  
hi thank you so much for having us today

260  
00:09:32,389 --> 00:09:31,120  
it's great to be here

261  
00:09:34,949 --> 00:09:32,399  
um i

262  
00:09:36,870 --> 00:09:34,959  
my background is mostly in in public

263  
00:09:39,430 --> 00:09:36,880

health and sort of the intersection of

264

00:09:42,310 --> 00:09:39,440

psychology and public health

265

00:09:44,310 --> 00:09:42,320

i have a phd from harvard and a master's

266

00:09:47,110 --> 00:09:44,320

of public health from columbia

267

00:09:48,470 --> 00:09:47,120

and i've spent many years writing and

268

00:09:50,630 --> 00:09:48,480

thinking about

269

00:09:52,949 --> 00:09:50,640

that intersection between these two

270

00:09:54,949 --> 00:09:52,959

fields is specifically how people make

271

00:09:56,949 --> 00:09:54,959

health decisions and why they make the

272

00:09:57,670 --> 00:09:56,959

decisions they do and why sometimes

273

00:10:00,070 --> 00:09:57,680

those

274

00:10:01,430 --> 00:10:00,080

decisions are not consistent with the

275

00:10:03,110 --> 00:10:01,440

advice they may get from health

276

00:10:06,470 --> 00:10:03,120

professionals or

277

00:10:08,470 --> 00:10:06,480

national authorities on health etc

278

00:10:10,870 --> 00:10:08,480

and i came to write the book because i

279

00:10:12,550 --> 00:10:10,880

was getting more and more interested

280

00:10:15,590 --> 00:10:12,560

and actually frustrated with the

281

00:10:17,990 --> 00:10:15,600

response that my field was having to

282

00:10:19,190 --> 00:10:18,000

people who were vaccine hesitant so

283

00:10:21,990 --> 00:10:19,200

people who were

284

00:10:23,750 --> 00:10:22,000

afraid to get the vaccine usually for

285

00:10:24,710 --> 00:10:23,760

measles mumps and rubella for their

286

00:10:26,630 --> 00:10:24,720

children

287

00:10:29,670 --> 00:10:26,640

at the time the predominant fear was

288

00:10:31,350 --> 00:10:29,680

that that vaccine might cause autism

289

00:10:33,509 --> 00:10:31,360

which was not well supported in the

290

00:10:35,590 --> 00:10:33,519

literature but was a prevalent fear

291

00:10:37,190 --> 00:10:35,600

among many people

292

00:10:39,509 --> 00:10:37,200

and i was frustrated with the response

293

00:10:41,269 --> 00:10:39,519

from my field which was mostly to

294

00:10:42,630 --> 00:10:41,279

basically fight with people and provide

295

00:10:44,630 --> 00:10:42,640

them with more and more factual

296

00:10:46,470 --> 00:10:44,640

information and i really thought that

297

00:10:48,150 --> 00:10:46,480

they were missing the mark that you know

298

00:10:49,509 --> 00:10:48,160

this approach obviously didn't work and

299

00:10:51,350 --> 00:10:49,519

that they were assuming that people

300

00:10:52,710 --> 00:10:51,360

didn't just didn't have information

301  
00:10:53,829 --> 00:10:52,720  
which i didn't think was at the heart of

302  
00:10:55,350 --> 00:10:53,839  
the problem

303  
00:10:57,350 --> 00:10:55,360  
so i wanted to understand a little bit

304  
00:11:00,150 --> 00:10:57,360  
better what is the psychology that goes

305  
00:11:02,790 --> 00:11:00,160  
into you know coming up with a a

306  
00:11:05,590 --> 00:11:02,800  
decision or a fear like this about a a

307  
00:11:07,829 --> 00:11:05,600  
vaccine and how does that develop how

308  
00:11:10,150 --> 00:11:07,839  
does it become entrenched um what

309  
00:11:12,389 --> 00:11:10,160  
happens when it's challenged and you

310  
00:11:14,310 --> 00:11:12,399  
know everything along those lines and i

311  
00:11:16,230 --> 00:11:14,320  
can let jack talk a little bit about you

312  
00:11:17,990 --> 00:11:16,240  
know how he developed his interest in

313  
00:11:19,910 --> 00:11:18,000

the same topic but it just so happened

314

00:11:22,790 --> 00:11:19,920

that around the same time we were

315

00:11:25,190 --> 00:11:22,800

thinking about this topics if in diff

316

00:11:27,190 --> 00:11:25,200

slightly different ways but very similar

317

00:11:29,509 --> 00:11:27,200

and realizing that there was enough here

318

00:11:31,670 --> 00:11:29,519

for a whole book project

319

00:11:32,870 --> 00:11:31,680

awesome jack you want to jump in there

320

00:11:34,550 --> 00:11:32,880

sure

321

00:11:37,350 --> 00:11:34,560

so i trained

322

00:11:39,190 --> 00:11:37,360

at clem university to be a psychiatrist

323

00:11:42,150 --> 00:11:39,200

where i went to medical school and where

324

00:11:44,150 --> 00:11:42,160

i met my wife who's a psychiatrist

325

00:11:45,750 --> 00:11:44,160

but as soon as i finished residency

326

00:11:47,430 --> 00:11:45,760

training and psychiatric right into

327

00:11:50,389 --> 00:11:47,440

research

328

00:11:51,750 --> 00:11:50,399

and spent a career of about 20 years or

329

00:11:54,310 --> 00:11:51,760

so

330

00:11:56,629 --> 00:11:54,320

researching in biological areas of

331

00:11:59,750 --> 00:11:56,639

psychiatry and neuroscience mostly at

332

00:12:04,629 --> 00:12:01,910

and

333

00:12:07,990 --> 00:12:04,639

the genesis of the book was really

334

00:12:10,389 --> 00:12:08,000

sarah's idea because sarah

335

00:12:12,870 --> 00:12:10,399

called me one day and told me about her

336

00:12:14,310 --> 00:12:12,880

ideas about vaccine hesitancy and the

337

00:12:15,910 --> 00:12:14,320

mmr and

338

00:12:17,670 --> 00:12:15,920

those kinds of things

339

00:12:19,829 --> 00:12:17,680

and it happened to be at about the same

340

00:12:23,590 --> 00:12:19,839

time i was thinking a lot

341

00:12:24,790 --> 00:12:23,600

about why people own guns

342

00:12:26,870 --> 00:12:24,800

not a

343

00:12:28,310 --> 00:12:26,880

second amendment issue but rather what

344

00:12:29,750 --> 00:12:28,320

the data show

345

00:12:31,750 --> 00:12:29,760

which is that

346

00:12:32,949 --> 00:12:31,760

uh if you own a gun most of the studies

347

00:12:34,870 --> 00:12:32,959

show

348

00:12:36,470 --> 00:12:34,880

you're more likely to be at danger of

349

00:12:38,870 --> 00:12:36,480

being harmed by that gun than to ever

350

00:12:41,350 --> 00:12:38,880

use it to protect yourself

351  
00:12:43,190 --> 00:12:41,360  
and yet lots of people argue that you

352  
00:12:45,110 --> 00:12:43,200  
need a gun at home to protect yourself

353  
00:12:47,030 --> 00:12:45,120  
and they own guns

354  
00:12:48,069 --> 00:12:47,040  
and so we started talking about all the

355  
00:12:50,150 --> 00:12:48,079  
different

356  
00:12:53,509 --> 00:12:50,160  
instances in which

357  
00:12:54,310 --> 00:12:53,519  
mainstream science says one thing

358  
00:12:56,550 --> 00:12:54,320  
and

359  
00:12:59,350 --> 00:12:56,560  
at least a substantial number of people

360  
00:13:03,910 --> 00:12:59,360  
believe something else and what is that

361  
00:13:05,750 --> 00:13:03,920  
disjunction between belief and science

362  
00:13:07,269 --> 00:13:05,760  
and that interests us a great deal

363  
00:13:10,470 --> 00:13:07,279

because we realized there were a lot of

364

00:13:12,870 --> 00:13:10,480

different areas where that was the case

365

00:13:14,550 --> 00:13:12,880

we realized that we could irritate our

366

00:13:16,550 --> 00:13:14,560

liberal friends and our conservative

367

00:13:19,030 --> 00:13:16,560

friends equally because depending on

368

00:13:20,949 --> 00:13:19,040

which issue we looked at

369

00:13:21,990 --> 00:13:20,959

we would find an issue where that was

370

00:13:23,750 --> 00:13:22,000

the case

371

00:13:25,350 --> 00:13:23,760

and so that's how we decided to write

372

00:13:27,190 --> 00:13:25,360

the book together

373

00:13:29,509 --> 00:13:27,200

and then subsequently we started a

374

00:13:30,310 --> 00:13:29,519

non-profit company called critica which

375

00:13:32,310 --> 00:13:30,320

is

376

00:13:33,509 --> 00:13:32,320

intended to carry out some of these

377

00:13:36,870 --> 00:13:33,519

ideas

378

00:13:39,509 --> 00:13:36,880

very fundamental to our idea

379

00:13:41,750 --> 00:13:39,519

was the recognition that scientists

380

00:13:44,389 --> 00:13:41,760

like we are

381

00:13:46,949 --> 00:13:44,399

usually do a relatively poor job of

382

00:13:48,870 --> 00:13:46,959

explaining science to people

383

00:13:50,310 --> 00:13:48,880

and very often are arrogant and

384

00:13:53,990 --> 00:13:50,320

condescending

385

00:13:56,790 --> 00:13:54,000

to people and don't empathize with their

386

00:13:58,710 --> 00:13:56,800

goals their needs and their interests

387

00:14:01,350 --> 00:13:58,720

and so we wanted to try to explore what

388

00:14:03,990 --> 00:14:01,360

is the psychology of science denial

389

00:14:05,509 --> 00:14:04,000

and how do we overcome it

390

00:14:06,629 --> 00:14:05,519

i'd also like to say in terms of your

391

00:14:08,870 --> 00:14:06,639

program i'm very interested in

392

00:14:09,910 --> 00:14:08,880

spirituality as well i'm a religious

393

00:14:12,790 --> 00:14:09,920

person

394

00:14:14,829 --> 00:14:12,800

and i tell people always that

395

00:14:17,310 --> 00:14:14,839

when i'm in religious services i believe

396

00:14:19,389 --> 00:14:17,320

the earth is

397

00:14:22,069 --> 00:14:19,399

571 almost

398

00:14:23,990 --> 00:14:22,079

572 years old and when i'm in the

399

00:14:27,030 --> 00:14:24,000

laboratory i believe

400

00:14:28,870 --> 00:14:27,040

the world is 13.5 billion years

401  
00:14:30,550 --> 00:14:28,880  
old and i have no trouble with those two

402  
00:14:31,829 --> 00:14:30,560  
beliefs

403  
00:14:35,269 --> 00:14:31,839  
well we'll get

404  
00:14:37,350 --> 00:14:35,279  
that might actually be another point of

405  
00:14:38,949 --> 00:14:37,360  
incongruity between us because i'm a

406  
00:14:41,430 --> 00:14:38,959  
very spiritual person but not a

407  
00:14:44,230 --> 00:14:41,440  
religious person at all

408  
00:14:46,550 --> 00:14:44,240  
i'm not down with that but i i think

409  
00:14:49,189 --> 00:14:46,560  
we're going to have a lot to talk about

410  
00:14:52,470 --> 00:14:49,199  
again folks the book denying to the

411  
00:14:54,470 --> 00:14:52,480  
grave why we ignore the facts that will

412  
00:14:56,230 --> 00:14:54,480  
save us and i think you guys have done a

413  
00:14:58,069 --> 00:14:56,240

pretty good job of laying out the basic

414

00:15:01,189 --> 00:14:58,079

premise of the book and the genesis of

415

00:15:04,470 --> 00:15:01,199

it which is interesting i feel like i've

416

00:15:06,230 --> 00:15:04,480

done 500 shows on denying to the grave

417

00:15:08,790 --> 00:15:06,240

you know that's what this show has all

418

00:15:09,750 --> 00:15:08,800

been about but it's the issues are

419

00:15:11,350 --> 00:15:09,760

always

420

00:15:13,829 --> 00:15:11,360

the other way around and that's the

421

00:15:17,110 --> 00:15:13,839

first thing that impressed me is like

422

00:15:20,230 --> 00:15:17,120

isn't this what everybody says hey i

423

00:15:22,470 --> 00:15:20,240

know the facts the other guy why isn't

424

00:15:23,990 --> 00:15:22,480

he relating to the facts in the same way

425

00:15:25,509 --> 00:15:24,000

that i do

426

00:15:28,230 --> 00:15:25,519

you know one of the very first

427

00:15:30,710 --> 00:15:28,240

interviews i did was with a guy i

428

00:15:32,230 --> 00:15:30,720

like and still greatly respect dr rupert

429

00:15:34,629 --> 00:15:32,240

cheldrick who is a

430

00:15:36,710 --> 00:15:34,639

cambridge biologist

431

00:15:39,110 --> 00:15:36,720

published in nature

432

00:15:41,590 --> 00:15:39,120

certainly well-respected guy

433

00:15:43,590 --> 00:15:41,600

and he tells this story about

434

00:15:44,629 --> 00:15:43,600

presenting at the royal society in

435

00:15:47,110 --> 00:15:44,639

london

436

00:15:48,710 --> 00:15:47,120

about his work on morphogenetic fields

437

00:15:51,829 --> 00:15:48,720

which you guys would probably completely

438

00:15:53,509 --> 00:15:51,839

disagree with and one of his colleagues

439

00:15:55,990 --> 00:15:53,519

on the royal society

440

00:15:59,670 --> 00:15:56,000

stands up and turns his back to the

441

00:16:02,790 --> 00:15:59,680

screen folds his arms over his chest and

442

00:16:05,829 --> 00:16:02,800

says regarding rupert's data i wouldn't

443

00:16:06,790 --> 00:16:05,839

believe it even if it was true

444

00:16:09,509 --> 00:16:06,800

so

445

00:16:11,910 --> 00:16:09,519

isn't that what we're really up against

446

00:16:14,550 --> 00:16:11,920

this was not rupert's position is not a

447

00:16:16,629 --> 00:16:14,560

mainstream position but he has a lot of

448

00:16:17,590 --> 00:16:16,639

really good data to support what he's

449

00:16:19,030 --> 00:16:17,600

saying

450

00:16:22,230 --> 00:16:19,040

and we have

451

00:16:23,590 --> 00:16:22,240

a dogmatic scientific

452

00:16:26,870 --> 00:16:23,600

ordained

453

00:16:29,269 --> 00:16:26,880

mainstream that says i wouldn't believe

454

00:16:31,829 --> 00:16:29,279

it even if it wasn't true

455

00:16:33,430 --> 00:16:31,839

isn't that at the core of what we're

456

00:16:35,590 --> 00:16:33,440

talking about and then doesn't it

457

00:16:37,110 --> 00:16:35,600

quickly get to data don't we all think

458

00:16:38,150 --> 00:16:37,120

we have the facts and the other guy

459

00:16:39,910 --> 00:16:38,160

doesn't

460

00:16:41,749 --> 00:16:39,920

yes i think that's true i think that's

461

00:16:43,430 --> 00:16:41,759

true to some extent and i would say you

462

00:16:45,030 --> 00:16:43,440

know part of what we

463

00:16:47,990 --> 00:16:45,040

what we write about in the book is that

464

00:16:51,030 --> 00:16:48,000

no one is immune to these

465

00:16:54,230 --> 00:16:51,040

phenomena these psychological phenomena

466

00:16:56,790 --> 00:16:54,240

um in that that make us not believe

467

00:16:58,949 --> 00:16:56,800

things or that make us skew the data or

468

00:17:00,790 --> 00:16:58,959

look at things in the wrong way nobody's

469

00:17:02,389 --> 00:17:00,800

immune to it including scientists

470

00:17:04,390 --> 00:17:02,399

including physicians you know we deal

471

00:17:07,189 --> 00:17:04,400

mostly with health sciences

472

00:17:08,949 --> 00:17:07,199

and it's really important we you know we

473

00:17:10,870 --> 00:17:08,959

have many many patients in the book that

474

00:17:13,110 --> 00:17:10,880

we devote to helping

475

00:17:15,750 --> 00:17:13,120

professionals medical and scientific

476

00:17:19,029 --> 00:17:15,760

professionals examine their own

477

00:17:21,189 --> 00:17:19,039

understanding their own approach to data

478

00:17:23,029 --> 00:17:21,199

and how they're you know how they may be

479

00:17:24,870 --> 00:17:23,039

pushing things away that could be true

480

00:17:27,029 --> 00:17:24,880

because they have conflicts of interest

481

00:17:29,750 --> 00:17:27,039

that may not be financial they may be

482

00:17:32,070 --> 00:17:29,760

reputational or something else um

483

00:17:34,310 --> 00:17:32,080

and so that is really an important part

484

00:17:37,350 --> 00:17:34,320

of what we examine as well

485

00:17:39,430 --> 00:17:37,360

i i didn't i got to say i didn't see it

486

00:17:41,029 --> 00:17:39,440

right from jump i mean

487

00:17:43,590 --> 00:17:41,039

you guys still talk about denying

488

00:17:45,190 --> 00:17:43,600

science it's like this is skeptico 10

489

00:17:47,669 --> 00:17:45,200

years ago

490

00:17:50,470 --> 00:17:47,679

science is a method it's not a position

491

00:17:53,669 --> 00:17:50,480

statement right so your book is filled

492

00:17:55,830 --> 00:17:53,679

with political statements about trump

493

00:17:57,350 --> 00:17:55,840

and this and that and other political

494

00:18:00,230 --> 00:17:57,360

statements about topics that you guys

495

00:18:02,549 --> 00:18:00,240

seem to care about it seems to be very

496

00:18:04,070 --> 00:18:02,559

philosophy of science which is what i

497

00:18:06,470 --> 00:18:04,080

think you're getting at

498

00:18:08,150 --> 00:18:06,480

light it doesn't mention the replication

499

00:18:10,470 --> 00:18:08,160

problem it doesn't mention the

500

00:18:13,270 --> 00:18:10,480

experimenter effect it doesn't mention

501  
00:18:15,110 --> 00:18:13,280  
the file drawer problem all the issues

502  
00:18:17,909 --> 00:18:15,120  
that are at the cutting edge of

503  
00:18:20,070 --> 00:18:17,919  
philosophy of science science methods

504  
00:18:22,710 --> 00:18:20,080  
getting sorting through where the data

505  
00:18:24,950 --> 00:18:22,720  
really is how we're being fooled i don't

506  
00:18:27,190 --> 00:18:24,960  
see any of that i just see

507  
00:18:28,950 --> 00:18:27,200  
standing on a soapbox talking about

508  
00:18:31,510 --> 00:18:28,960  
climate change and

509  
00:18:34,390 --> 00:18:31,520  
covet 19 and vaccine and all the rest of

510  
00:18:39,430 --> 00:18:36,549  
uh well you're right we don't discuss

511  
00:18:42,789 --> 00:18:39,440  
those things uh in the book

512  
00:18:45,750 --> 00:18:42,799  
and that's a good observation

513  
00:18:48,150 --> 00:18:45,760

and i think what you're getting at is

514

00:18:49,830 --> 00:18:48,160

all the things that

515

00:18:52,390 --> 00:18:49,840

scientists

516

00:18:54,710 --> 00:18:52,400

need to have a lot more humility about

517

00:18:57,510 --> 00:18:54,720

all the things that plague science and

518

00:18:59,190 --> 00:18:57,520

as you say make science a method

519

00:19:00,710 --> 00:18:59,200

not a

520

00:19:01,590 --> 00:19:00,720

belief system

521

00:19:03,110 --> 00:19:01,600

so

522

00:19:04,950 --> 00:19:03,120

the replication

523

00:19:06,310 --> 00:19:04,960

issue for example is a very good thing

524

00:19:08,470 --> 00:19:06,320

that you brought up

525

00:19:10,710 --> 00:19:08,480

which is particularly problematic in

526

00:19:13,029 --> 00:19:10,720

psychology as you know where so many of

527

00:19:16,070 --> 00:19:13,039

the studies in psychology studies now

528

00:19:18,470 --> 00:19:16,080

shown don't replicate over time

529

00:19:20,950 --> 00:19:18,480

i must say that as a scientist

530

00:19:22,950 --> 00:19:20,960

that's one of the most painful things

531

00:19:25,430 --> 00:19:22,960

to have happen is when a paper you

532

00:19:27,510 --> 00:19:25,440

publish with a finding somebody else

533

00:19:29,110 --> 00:19:27,520

can't replicate it and that's happened

534

00:19:30,950 --> 00:19:29,120

to me um

535

00:19:32,549 --> 00:19:30,960

and that is a very painful thing and

536

00:19:35,110 --> 00:19:32,559

that's part of our process right that's

537

00:19:38,390 --> 00:19:35,120

part of how we eventually come to a

538

00:19:40,310 --> 00:19:38,400

conclusion is by doing studies

539

00:19:42,710 --> 00:19:40,320

seeing if people can replicate it

540

00:19:44,630 --> 00:19:42,720

finding out when we're wrong

541

00:19:45,990 --> 00:19:44,640

hopefully acknowledging when we're wrong

542

00:19:47,110 --> 00:19:46,000

which is one of the things that we think

543

00:19:49,430 --> 00:19:47,120

scientists

544

00:19:51,590 --> 00:19:49,440

don't do often enough i just read a

545

00:19:54,150 --> 00:19:51,600

harrowing story it was a book review

546

00:19:56,470 --> 00:19:54,160

this morning i just read in the journal

547

00:19:58,390 --> 00:19:56,480

science

548

00:20:00,310 --> 00:19:58,400

i haven't read the book so i just read

549

00:20:03,110 --> 00:20:00,320

this book review

550

00:20:07,270 --> 00:20:03,120

but it was the story about

551  
00:20:09,190 --> 00:20:07,280  
two children in an orphanage in iowa who

552  
00:20:11,830 --> 00:20:09,200  
had their iq measured

553  
00:20:14,630 --> 00:20:11,840  
and their iq was measured at something

554  
00:20:16,549 --> 00:20:14,640  
like 36 and 46.

555  
00:20:17,830 --> 00:20:16,559  
now you may have heard of this book

556  
00:20:20,549 --> 00:20:17,840  
and

557  
00:20:22,710 --> 00:20:20,559  
they were declared feeble-minded at this

558  
00:20:26,870 --> 00:20:22,720  
iowa orphanage

559  
00:20:30,630 --> 00:20:28,710  
found a another place for these people

560  
00:20:32,870 --> 00:20:30,640  
to go a uh

561  
00:20:35,750 --> 00:20:32,880  
another horrible asylum

562  
00:20:38,149 --> 00:20:35,760  
but in this horrible asylum

563  
00:20:40,950 --> 00:20:38,159

the two young children were actually

564

00:20:42,789 --> 00:20:40,960

doted on and raised by adults who also

565

00:20:44,630 --> 00:20:42,799

had low iqs

566

00:20:46,870 --> 00:20:44,640

and they came back a year later and

567

00:20:50,390 --> 00:20:46,880

measured their iqs and these children's

568

00:20:51,990 --> 00:20:50,400

iqs was 90 and 80 something

569

00:20:53,909 --> 00:20:52,000

and they came back 20 years ago and they

570

00:20:54,789 --> 00:20:53,919

were both married people with children

571

00:20:57,909 --> 00:20:54,799

and

572

00:20:59,590 --> 00:20:57,919

very happy lives what they had shown is

573

00:21:00,710 --> 00:20:59,600

that iq

574

00:21:03,830 --> 00:21:00,720

was

575

00:21:05,510 --> 00:21:03,840

capable of going up if a child got the

576  
00:21:07,510 --> 00:21:05,520  
proper amount of nurturance and

577  
00:21:09,430 --> 00:21:07,520  
attention and love

578  
00:21:12,310 --> 00:21:09,440  
and what the book is about is

579  
00:21:14,549 --> 00:21:12,320  
how scientists psychologists in the iq

580  
00:21:16,390 --> 00:21:14,559  
field refuse to believe it

581  
00:21:18,870 --> 00:21:16,400  
and how mainstream science

582  
00:21:20,310 --> 00:21:18,880  
fought tooth and nail against this idea

583  
00:21:23,270 --> 00:21:20,320  
that iq

584  
00:21:24,470 --> 00:21:23,280  
was susceptible to nurture

585  
00:21:27,270 --> 00:21:24,480  
because at the time this is back in

586  
00:21:28,870 --> 00:21:27,280  
1930s it was firmly believed

587  
00:21:31,990 --> 00:21:28,880  
in science that

588  
00:21:34,070 --> 00:21:32,000

world that iq was totally a genetic

589

00:21:36,070 --> 00:21:34,080

function totally uh inborn there was

590

00:21:37,909 --> 00:21:36,080

nothing you could do environmentally

591

00:21:38,950 --> 00:21:37,919

change it

592

00:21:40,710 --> 00:21:38,960

and i i

593

00:21:42,310 --> 00:21:40,720

almost brought tears to my eyes reading

594

00:21:44,310 --> 00:21:42,320

that because i thought

595

00:21:48,029 --> 00:21:44,320

here's an example and there were other

596

00:21:53,590 --> 00:21:52,149

refusing to look at data

597

00:21:55,830 --> 00:21:53,600

cells refusing to look at that i mean

598

00:21:57,990 --> 00:21:55,840

there are these two kids

599

00:21:59,669 --> 00:21:58,000

refusing to believe that these two kids

600

00:22:01,669 --> 00:21:59,679

have been able to

601  
00:22:04,310 --> 00:22:01,679  
have this much of a change in iq in a

602  
00:22:07,510 --> 00:22:05,669  
so i think that's one of the things that

603  
00:22:09,110 --> 00:22:07,520  
you're noting

604  
00:22:10,830 --> 00:22:09,120  
and we're very sensitive to this and one

605  
00:22:14,230 --> 00:22:10,840  
of the things that

606  
00:22:16,390 --> 00:22:14,240  
we certainly say and then we write i

607  
00:22:17,669 --> 00:22:16,400  
think in in this book

608  
00:22:19,830 --> 00:22:17,679  
um

609  
00:22:21,750 --> 00:22:19,840  
for example a lot about the nutritional

610  
00:22:24,390 --> 00:22:21,760  
science where people have made such huge

611  
00:22:27,430 --> 00:22:24,400  
mistakes actually and refused to give up

612  
00:22:30,789 --> 00:22:27,440  
on ideas when new data comes in

613  
00:22:32,789 --> 00:22:30,799

that science always has to be ready to

614

00:22:34,870 --> 00:22:32,799

change its mind

615

00:22:36,149 --> 00:22:34,880

when new data come in

616

00:22:39,430 --> 00:22:36,159

sarah did you want to jump in there or

617

00:22:41,590 --> 00:22:39,440

can i move on you can move on well

618

00:22:43,430 --> 00:22:41,600

i guess the thing that i think is bound

619

00:22:44,870 --> 00:22:43,440

up with this thing that we're talking

620

00:22:46,310 --> 00:22:44,880

about right now

621

00:22:47,830 --> 00:22:46,320

as it relates to things that are

622

00:22:48,710 --> 00:22:47,840

happening right now that people care

623

00:22:51,750 --> 00:22:48,720

about

624

00:22:53,590 --> 00:22:51,760

you know covid climate change

625

00:22:57,270 --> 00:22:53,600

global warming stuff that you talk about

626  
00:22:59,029 --> 00:22:57,280  
in your book aids hiv which is something

627  
00:23:00,149 --> 00:22:59,039  
else we've kind of looked at on this

628  
00:23:01,029 --> 00:23:00,159  
show

629  
00:23:02,630 --> 00:23:01,039  
is

630  
00:23:05,350 --> 00:23:02,640  
what's commonly referred to as the

631  
00:23:07,750 --> 00:23:05,360  
cancer culture kind of thing so if you

632  
00:23:10,710 --> 00:23:07,760  
look at like the vax thing and the

633  
00:23:13,590 --> 00:23:10,720  
vaxxed movie by dale bigtree there's a

634  
00:23:17,190 --> 00:23:13,600  
guy who's banned now on

635  
00:23:20,149 --> 00:23:17,200  
youtube google censored facebook banned

636  
00:23:21,270 --> 00:23:20,159  
there too what do you guys think about

637  
00:23:26,630 --> 00:23:21,280  
banning

638  
00:23:28,710 --> 00:23:26,640

people who have different views this is

639

00:23:30,070 --> 00:23:28,720

very concerning to me you mentioned you

640

00:23:31,830 --> 00:23:30,080

have these

641

00:23:33,590 --> 00:23:31,840

jack you were interested in

642

00:23:36,630 --> 00:23:33,600

you know

643

00:23:38,789 --> 00:23:36,640

gun ownership and you understand

644

00:23:41,669 --> 00:23:38,799

there's a difference between people's

645

00:23:43,750 --> 00:23:41,679

beliefs and second amendment rights and

646

00:23:45,750 --> 00:23:43,760

how people feel the need to protect it i

647

00:23:47,350 --> 00:23:45,760

think something similar is going on with

648

00:23:49,590 --> 00:23:47,360

first amendment rights

649

00:23:51,430 --> 00:23:49,600

i hear people talk very disturbing to me

650

00:23:53,269 --> 00:23:51,440

when people talk about

651  
00:23:54,390 --> 00:23:53,279  
science and for information being

652  
00:23:59,190 --> 00:23:54,400  
dangerous

653  
00:24:00,470 --> 00:23:59,200  
big tree who i've never interviewed dell

654  
00:24:02,950 --> 00:24:00,480  
big tree i've interviewed some other

655  
00:24:05,350 --> 00:24:02,960  
people related to the topic scientists

656  
00:24:09,350 --> 00:24:05,360  
mainly why that

657  
00:24:11,350 --> 00:24:09,360  
why dell big tree who is a recognized tv

658  
00:24:13,590 --> 00:24:11,360  
journalist has published on mainstream

659  
00:24:15,590 --> 00:24:13,600  
things why we would want to ban someone

660  
00:24:17,750 --> 00:24:15,600  
why we would ever want to limit a

661  
00:24:19,830 --> 00:24:17,760  
scientific discussion

662  
00:24:21,669 --> 00:24:19,840  
because we don't agree with somebody i

663  
00:24:22,950 --> 00:24:21,679

find that very troubling what do you

664

00:24:25,029 --> 00:24:22,960

guys think

665

00:24:26,909 --> 00:24:25,039

should anti-vaxxers as you guys would

666

00:24:29,750 --> 00:24:26,919

call them should quote-unquote

667

00:24:30,830 --> 00:24:29,760

anti-vaxxers should should they be

668

00:24:32,630 --> 00:24:30,840

banned from

669

00:24:35,590 --> 00:24:32,640

youtube

670

00:24:37,430 --> 00:24:35,600

they are but should they be yeah i i do

671

00:24:39,269 --> 00:24:37,440

think that anybody who spreads

672

00:24:41,909 --> 00:24:39,279

information about

673

00:24:43,909 --> 00:24:41,919

about a medical technology that people

674

00:24:45,669 --> 00:24:43,919

need in order to survive

675

00:24:48,149 --> 00:24:45,679

that's not true

676

00:24:49,830 --> 00:24:48,159

and usually it's intentionally not true

677

00:24:51,990 --> 00:24:49,840

i don't think that they should be

678

00:24:53,510 --> 00:24:52,000

allowed to have any platform they want

679

00:24:55,909 --> 00:24:53,520

personally i know

680

00:24:58,549 --> 00:24:55,919

that's my own

681

00:25:01,510 --> 00:24:58,559

stance i don't think that it has to be

682

00:25:03,510 --> 00:25:01,520

gospel but i think that it does become

683

00:25:04,870 --> 00:25:03,520

dangerous these things spread very

684

00:25:06,390 --> 00:25:04,880

quickly and

685

00:25:07,990 --> 00:25:06,400

people who are just trying to make a

686

00:25:09,430 --> 00:25:08,000

good decision for their children get

687

00:25:11,590 --> 00:25:09,440

pulled in to

688

00:25:14,230 --> 00:25:11,600

ultimately in some cases killing their

689

00:25:16,310 --> 00:25:14,240

own children because of this so i think

690

00:25:18,310 --> 00:25:16,320

it's i do think it's it is potentially

691

00:25:20,950 --> 00:25:18,320

dangerous sarah who would who would

692

00:25:24,149 --> 00:25:20,960

determine what's not true isn't that the

693

00:25:28,470 --> 00:25:26,789

yeah well science has already determined

694

00:25:29,990 --> 00:25:28,480

certain things about vaccines that

695

00:25:31,510 --> 00:25:30,000

they're safe and effective certain

696

00:25:33,430 --> 00:25:31,520

vaccines that they're saying science

697

00:25:36,230 --> 00:25:33,440

really determine anything i think in

698

00:25:37,110 --> 00:25:36,240

your book you say there's nothing is 100

699

00:25:39,110 --> 00:25:37,120

true

700

00:25:41,070 --> 00:25:39,120

isn't science isn't about proof right

701

00:25:43,669 --> 00:25:41,080

it's about evidence it's about

702

00:25:44,950 --> 00:25:43,679

statistically certainty one way or

703

00:25:46,630 --> 00:25:44,960

another right

704

00:25:48,070 --> 00:25:46,640

you know first of all i think we should

705

00:25:49,269 --> 00:25:48,080

just one one thing is we're not really

706

00:25:50,870 --> 00:25:49,279

talking about the first amendment here

707

00:25:54,630 --> 00:25:50,880

because the first amendment only applies

708

00:25:57,430 --> 00:25:54,640

to government censorship so

709

00:25:59,029 --> 00:25:57,440

whether or not we agree youtube facebook

710

00:26:01,110 --> 00:25:59,039

twitter they can do whatever they want

711

00:26:02,390 --> 00:26:01,120

because they're private companies so the

712

00:26:05,029 --> 00:26:02,400

question is is it

713

00:26:06,549 --> 00:26:05,039

morally ethically right for them to

714

00:26:08,950 --> 00:26:06,559

uh do that

715

00:26:10,950 --> 00:26:08,960

to do that

716

00:26:12,230 --> 00:26:10,960

i also want to say that we try

717

00:26:13,990 --> 00:26:12,240

we slip

718

00:26:15,990 --> 00:26:14,000

and we forget but we try never to use

719

00:26:17,830 --> 00:26:16,000

that term anti-vaxxer because we find

720

00:26:19,590 --> 00:26:17,840

that to be a

721

00:26:20,549 --> 00:26:19,600

derogatory term we want to talk to

722

00:26:23,110 --> 00:26:20,559

people

723

00:26:24,870 --> 00:26:23,120

who object to vaccinations and have

724

00:26:26,390 --> 00:26:24,880

conversations with them that's very

725

00:26:29,110 --> 00:26:26,400

important to us

726

00:26:31,029 --> 00:26:29,120

we want to understand exactly what

727

00:26:32,789 --> 00:26:31,039

evidence they have what

728

00:26:36,830 --> 00:26:32,799

is on their mind

729

00:26:41,590 --> 00:26:39,510

what i just wrote actually for our

730

00:26:42,870 --> 00:26:41,600

website it'll appear hopefully in

731

00:26:44,390 --> 00:26:42,880

september

732

00:26:46,630 --> 00:26:44,400

uh an article

733

00:26:49,110 --> 00:26:46,640

a commentary

734

00:26:51,669 --> 00:26:49,120

talking about this very issue about

735

00:26:55,350 --> 00:26:51,679

when is it scientific descent

736

00:26:58,390 --> 00:26:55,360

and when is it misinformation

737

00:27:00,789 --> 00:26:58,400

and one of the things that we've debated

738

00:27:02,950 --> 00:27:00,799

in among ourselves is the drug

739

00:27:05,190 --> 00:27:02,960

hydroxychloroquine

740

00:27:06,710 --> 00:27:05,200

which is you know

741

00:27:08,470 --> 00:27:06,720

was originally

742

00:27:09,909 --> 00:27:08,480

said to be an effective treatment by

743

00:27:11,909 --> 00:27:09,919

some people for

744

00:27:13,110 --> 00:27:11,919

covet 19

745

00:27:15,430 --> 00:27:13,120

and now

746

00:27:17,909 --> 00:27:15,440

the scientific consensus is it doesn't

747

00:27:20,549 --> 00:27:19,350

should

748

00:27:23,029 --> 00:27:20,559

people

749

00:27:26,950 --> 00:27:23,039

be able to say

750

00:27:29,350 --> 00:27:26,960

for example on youtube facebook and

751  
00:27:31,830 --> 00:27:29,360  
similar to twitter

752  
00:27:33,190 --> 00:27:31,840  
that hydroxychloroquine works for covert

753  
00:27:35,590 --> 00:27:33,200  
19

754  
00:27:38,470 --> 00:27:35,600  
if that information might lead people to

755  
00:27:40,230 --> 00:27:38,480  
take hydroxychloroquine

756  
00:27:43,110 --> 00:27:40,240  
get bad side effects

757  
00:27:45,110 --> 00:27:43,120  
and not any benefit

758  
00:27:46,149 --> 00:27:45,120  
i don't actually answer the question by

759  
00:27:49,669 --> 00:27:46,159  
the way

760  
00:27:52,070 --> 00:27:49,679  
because i'm not 100 sure of the answer

761  
00:27:53,669 --> 00:27:52,080  
um what but you're asking the most

762  
00:27:54,789 --> 00:27:53,679  
important question which is at what

763  
00:27:57,590 --> 00:27:54,799

point

764

00:28:00,549 --> 00:27:57,600

does something become

765

00:28:05,510 --> 00:28:00,559

dangerous and harmful and therefore

766

00:28:10,630 --> 00:28:07,830

and at what point is it a matter of

767

00:28:12,870 --> 00:28:10,640

legitimate scientific discussion

768

00:28:15,510 --> 00:28:12,880

that we don't want to stifle because it

769

00:28:17,110 --> 00:28:15,520

might lead us somewhere

770

00:28:18,549 --> 00:28:17,120

if you have the answer to that i'd love

771

00:28:22,870 --> 00:28:18,559

to hear it

772

00:28:26,149 --> 00:28:22,880

i'll try first off the idea that youtube

773

00:28:29,029 --> 00:28:26,159

facebook and twitter are not part of

774

00:28:31,430 --> 00:28:29,039

what we have all assumed throughout our

775

00:28:34,070 --> 00:28:31,440

lives is this free press

776

00:28:36,870 --> 00:28:34,080

is really not doesn't

777

00:28:39,029 --> 00:28:36,880

can't be sustained in this you know i

778

00:28:41,269 --> 00:28:39,039

ask my daughters who are younger you

779

00:28:43,430 --> 00:28:41,279

know what is the new york times

780

00:28:44,870 --> 00:28:43,440

they barely even know what the new york

781

00:28:47,190 --> 00:28:44,880

times says right

782

00:28:49,750 --> 00:28:47,200

so but you ask them what tick tock and

783

00:28:53,510 --> 00:28:49,760

twitter and sure sure instagram they

784

00:28:55,430 --> 00:28:53,520

know that so clearly google youtube and

785

00:28:58,630 --> 00:28:55,440

these other platforms social media

786

00:29:00,389 --> 00:28:58,640

platforms are a part of what we would

787

00:29:03,350 --> 00:29:00,399

consider the press

788

00:29:06,389 --> 00:29:03,360

and we do as a public have a vested

789

00:29:09,669 --> 00:29:06,399

interest in the extent to which they

790

00:29:11,750 --> 00:29:09,679

censor control and shape information so

791

00:29:13,029 --> 00:29:11,760

i would take issue with you right off

792

00:29:13,990 --> 00:29:13,039

the bat saying there aren't first

793

00:29:16,549 --> 00:29:14,000

amendment

794

00:29:19,430 --> 00:29:16,559

issues i think they certainly are but

795

00:29:20,310 --> 00:29:19,440

what i really object to is sarah i i

796

00:29:22,470 --> 00:29:20,320

just

797

00:29:24,789 --> 00:29:22,480

feel like there's a real disconnect when

798

00:29:27,990 --> 00:29:24,799

people talk about science and then in

799

00:29:30,310 --> 00:29:28,000

the same breath they say but we need to

800

00:29:33,269 --> 00:29:30,320

control what's true and what and what's

801  
00:29:36,310 --> 00:29:33,279  
not true about science that the whole

802  
00:29:38,230 --> 00:29:36,320  
endeavor of science is this constant

803  
00:29:40,870 --> 00:29:38,240  
questioning and challenging and

804  
00:29:42,630 --> 00:29:40,880  
retrenching of about what we thought was

805  
00:29:44,470 --> 00:29:42,640  
true it's like the whole thing of

806  
00:29:46,389 --> 00:29:44,480  
extraordinary claims require

807  
00:29:49,830 --> 00:29:46,399  
extraordinary proof

808  
00:29:52,470 --> 00:29:49,840  
no that is completely anti-scientific

809  
00:29:55,750 --> 00:29:52,480  
the whole idea of science is to be not

810  
00:29:58,470 --> 00:29:55,760  
biased who would be the meta agency that

811  
00:30:00,950 --> 00:29:58,480  
would determine what's extraordinary

812  
00:30:04,070 --> 00:30:00,960  
and what's extraordinary proof who would

813  
00:30:08,230 --> 00:30:04,080

be the meta agency that would determine

814

00:30:11,110 --> 00:30:08,240

what's true and not true in order to

815

00:30:12,870 --> 00:30:11,120

allow it to be on youtube and really the

816

00:30:15,430 --> 00:30:12,880

only way i guess and we're going to have

817

00:30:18,470 --> 00:30:15,440

to do it here the only way to get to any

818

00:30:20,950 --> 00:30:18,480

grounding on this is to start diving

819

00:30:23,350 --> 00:30:20,960

into the data which again i i kind of

820

00:30:25,590 --> 00:30:23,360

find as a shortcoming of your book

821

00:30:27,269 --> 00:30:25,600

it's not like you guys deconstruct any

822

00:30:30,389 --> 00:30:27,279

of the issues that you seem to care

823

00:30:32,389 --> 00:30:30,399

about so we could go into climate change

824

00:30:34,950 --> 00:30:32,399

or we could go into again

825

00:30:37,350 --> 00:30:34,960

the masks on covid19 would be a perfect

826

00:30:38,950 --> 00:30:37,360

one because we did a show

827

00:30:43,029 --> 00:30:38,960

on skeptico

828

00:30:46,470 --> 00:30:43,039

and i kind of debated a guy's a phd in

829

00:30:48,310 --> 00:30:46,480

biology from mit and he was spreading

830

00:30:51,110 --> 00:30:48,320

misinformation

831

00:30:54,310 --> 00:30:51,120

about masks being effective

832

00:30:57,509 --> 00:30:54,320

and now we even and clearly we know and

833

00:31:00,549 --> 00:30:57,519

we knew all along that masks work in the

834

00:31:02,870 --> 00:31:00,559

laboratory but every randomized

835

00:31:05,190 --> 00:31:02,880

controlled trial that's ever been done

836

00:31:06,230 --> 00:31:05,200

and i can pull up from you for you just

837

00:31:23,029 --> 00:31:06,240

a

838

00:31:25,350 --> 00:31:23,039

do in this study 17

839

00:31:28,950 --> 00:31:25,360

overall the use of masks in community

840

00:31:30,630 --> 00:31:28,960

did not reduce the risk of influenza

841

00:31:33,509 --> 00:31:30,640

over and over again these studies have

842

00:31:36,549 --> 00:31:33,519

been replicated and they always generate

843

00:31:38,070 --> 00:31:36,559

a null result and then finally we had

844

00:31:42,789 --> 00:31:38,080

the

845

00:31:45,750 --> 00:31:42,799

and reveals in an email that he never

846

00:31:47,750 --> 00:31:45,760

made public that he knew all along that

847

00:31:49,669 --> 00:31:47,760

in terms of public health

848

00:31:52,070 --> 00:31:49,679

not in terms of laboratory not whether

849

00:31:54,230 --> 00:31:52,080

you can make a mask work in a laboratory

850

00:31:55,830 --> 00:31:54,240

setting which we all understand you can

851  
00:31:57,750 --> 00:31:55,840  
but whether from a public health

852  
00:31:59,269 --> 00:31:57,760  
standpoint they work

853  
00:32:01,029 --> 00:31:59,279  
he comes out and says yeah i know they

854  
00:32:02,710 --> 00:32:01,039  
never worked and i certainly know the

855  
00:32:05,509 --> 00:32:02,720  
ones that most people are buying down at

856  
00:32:07,669 --> 00:32:05,519  
the drugstore don't work so

857  
00:32:09,750 --> 00:32:07,679  
hey let's do a little

858  
00:32:11,590 --> 00:32:09,760  
reversal like you guys are talking about

859  
00:32:13,509 --> 00:32:11,600  
because your book

860  
00:32:14,389 --> 00:32:13,519  
talks about mask wearing as it's

861  
00:32:17,750 --> 00:32:14,399  
absolutely

862  
00:32:20,070 --> 00:32:17,760  
proven 100 scientifically and now we

863  
00:32:22,230 --> 00:32:20,080

have a reversal of that data so are we

864

00:32:24,149 --> 00:32:22,240

going to can you guys demonstrate your

865

00:32:26,710 --> 00:32:24,159

flexibility or are you going to be

866

00:32:27,750 --> 00:32:26,720

denying to the grave that this is not

867

00:32:30,950 --> 00:32:27,760

the truth

868

00:32:32,070 --> 00:32:30,960

well let's take the larger issue though

869

00:32:33,190 --> 00:32:32,080

which

870

00:32:36,389 --> 00:32:33,200

you know

871

00:32:37,830 --> 00:32:36,399

i still think masks work obviously and

872

00:32:39,909 --> 00:32:37,840

probably sarah does too i haven't we

873

00:32:42,710 --> 00:32:39,919

haven't discussed masks in a while

874

00:32:44,070 --> 00:32:42,720

and i don't have the data at the tip of

875

00:32:45,990 --> 00:32:44,080

my fingers the way you just did which

876

00:32:48,630 --> 00:32:46,000

was really great that you had that there

877

00:32:51,509 --> 00:32:48,640

so i'm not gonna be able to engage in a

878

00:32:53,430 --> 00:32:51,519

informed conversation about it

879

00:32:54,310 --> 00:32:53,440

but no one is suppressing either side

880

00:32:57,029 --> 00:32:54,320

right

881

00:32:59,190 --> 00:32:57,039

i got to say in my book masked work you

882

00:33:01,350 --> 00:32:59,200

get to say your maths don't work

883

00:33:03,110 --> 00:33:01,360

public sees both sides oh no that's

884

00:33:04,630 --> 00:33:03,120

suppressed on youtube you can't say that

885

00:33:06,789 --> 00:33:04,640

or you're banned

886

00:33:08,389 --> 00:33:06,799

you can't say masks don't work on

887

00:33:10,630 --> 00:33:08,399

youtube that's that's correct you will

888

00:33:12,789 --> 00:33:10,640

be banned your video will be

889

00:33:14,149 --> 00:33:12,799

demonetized first then you'll get a

890

00:33:16,470 --> 00:33:14,159

strike and then it'll be banned and

891

00:33:18,070 --> 00:33:16,480

there's multiple multiple

892

00:33:18,950 --> 00:33:18,080

people that can attest to that they have

893

00:33:21,350 --> 00:33:18,960

you know

894

00:33:22,950 --> 00:33:21,360

50 videos that are fine and then a video

895

00:33:26,070 --> 00:33:22,960

like that gets banned all the time

896

00:33:29,750 --> 00:33:27,669

i mean some slip through and some are

897

00:33:31,830 --> 00:33:29,760

banned i mean that's that's the worst of

898

00:33:33,830 --> 00:33:31,840

it is that some slip through and some

899

00:33:36,310 --> 00:33:33,840

are banned

900

00:33:38,950 --> 00:33:36,320

i just saw a little snippet of the study

901  
00:33:40,950 --> 00:33:38,960  
that you pulled up but i did notice that

902  
00:33:43,430 --> 00:33:40,960  
it said that all included studies in the

903  
00:33:45,029 --> 00:33:43,440  
systematic review were deemed high risk

904  
00:33:47,509 --> 00:33:45,039  
of bias

905  
00:33:49,669 --> 00:33:47,519  
and it also said that it wasn't

906  
00:33:51,590 --> 00:33:49,679  
obviously about covert 19 was it

907  
00:33:53,029 --> 00:33:51,600  
specifically

908  
00:33:55,590 --> 00:33:53,039  
and i guess that's part of my

909  
00:33:57,029 --> 00:33:55,600  
frustration is like your points right

910  
00:33:58,950 --> 00:33:57,039  
now

911  
00:34:01,909 --> 00:33:58,960  
catapult us into a real scientific

912  
00:34:03,350 --> 00:34:01,919  
discussion which is here's the data as

913  
00:34:06,630 --> 00:34:03,360

it existed

914

00:34:09,990 --> 00:34:06,640

pre-covid right because these are it's a

915

00:34:13,990 --> 00:34:10,000

meta-analysis of 17 studies done i think

916

00:34:15,990 --> 00:34:14,000

between 2010 and 2015. so it's

917

00:34:18,790 --> 00:34:16,000

definitely before covid

918

00:34:20,310 --> 00:34:18,800

so do these studies are they relevant to

919

00:34:22,389 --> 00:34:20,320

our current situation that's a real

920

00:34:24,790 --> 00:34:22,399

scientific question and it's interesting

921

00:34:26,790 --> 00:34:24,800

i think most people think that they are

922

00:34:28,710 --> 00:34:26,800

because if you're looking at viral and

923

00:34:30,149 --> 00:34:28,720

throughout infections and flu when we

924

00:34:31,909 --> 00:34:30,159

went through sars we went through all

925

00:34:33,589 --> 00:34:31,919

that probably a good connection there

926  
00:34:35,750 --> 00:34:33,599  
but then the other thing is

927  
00:34:37,430 --> 00:34:35,760  
because they found a null result what

928  
00:34:39,109 --> 00:34:37,440  
are we to make of a null result they

929  
00:34:40,790 --> 00:34:39,119  
sound you know

930  
00:34:43,030 --> 00:34:40,800  
what what were the limitations of the

931  
00:34:46,149 --> 00:34:43,040  
study that caused them to come up with a

932  
00:34:49,669 --> 00:34:46,159  
null result these are all good

933  
00:34:50,550 --> 00:34:49,679  
questions to ask but what i hear back

934  
00:34:52,790 --> 00:34:50,560  
from

935  
00:34:55,109 --> 00:34:52,800  
people particularly the policy health

936  
00:34:57,589 --> 00:34:55,119  
makers is and there's an exact quote if

937  
00:35:00,069 --> 00:34:57,599  
i wanted to bother to dig it up is

938  
00:35:02,150 --> 00:35:00,079

quit grumbling about wanting more

939

00:35:05,589 --> 00:35:02,160

scientific studies and just do what

940

00:35:07,670 --> 00:35:05,599

you're told wear the freaking mask well

941

00:35:09,349 --> 00:35:07,680

when fauci comes out in the hidden

942

00:35:11,430 --> 00:35:09,359

emails that he says is i knew that the

943

00:35:13,829 --> 00:35:11,440

mask didn't work all along

944

00:35:16,710 --> 00:35:13,839

that to me is the headline story is

945

00:35:19,190 --> 00:35:16,720

there's a disconnect between

946

00:35:22,310 --> 00:35:19,200

science and public health policy there's

947

00:35:24,710 --> 00:35:22,320

no reason to wear a mask unless you want

948

00:35:27,109 --> 00:35:24,720

to wear a mask there's no evidence that

949

00:35:29,109 --> 00:35:27,119

there's this overwhelming

950

00:35:31,430 --> 00:35:29,119

boost that we're gonna get from wearing

951  
00:35:33,589 --> 00:35:31,440  
a mask and yet that has been the public

952  
00:35:36,870 --> 00:35:33,599  
health policy so that's

953  
00:35:37,750 --> 00:35:36,880  
that's my problem with it

954  
00:35:39,430 --> 00:35:37,760  
i would

955  
00:35:42,470 --> 00:35:39,440  
obviously disagree

956  
00:35:45,349 --> 00:35:42,480  
i think the evidence is there

957  
00:35:47,270 --> 00:35:45,359  
that masks are effective

958  
00:35:49,030 --> 00:35:47,280  
reducing transmission of aerosolized

959  
00:35:50,710 --> 00:35:49,040  
viral infections

960  
00:35:52,790 --> 00:35:50,720  
as i said i'm not going to be able to

961  
00:35:54,710 --> 00:35:52,800  
pull up the study right now that

962  
00:35:57,829 --> 00:35:54,720  
supports that so

963  
00:36:01,190 --> 00:35:57,839

now i'm firm ground here

964

00:36:02,550 --> 00:36:01,200

one thing i totally agree with you about

965

00:36:03,349 --> 00:36:02,560

is that

966

00:36:04,550 --> 00:36:03,359

the

967

00:36:08,390 --> 00:36:04,560

open

968

00:36:10,870 --> 00:36:08,400

discussion of the data and the evidence

969

00:36:12,870 --> 00:36:10,880

should never be surprised

970

00:36:14,710 --> 00:36:12,880

i talk

971

00:36:18,470 --> 00:36:14,720

i think that reasonable people people

972

00:36:20,310 --> 00:36:18,480

can disagree about the effectiveness yes

973

00:36:22,310 --> 00:36:20,320

look at the data come to different

974

00:36:23,910 --> 00:36:22,320

conclusions

975

00:36:27,190 --> 00:36:23,920

and i think there will be

976  
00:36:29,910 --> 00:36:27,200  
more studies done fast very or just do

977  
00:36:32,470 --> 00:36:29,920  
rather wise control trials classes as

978  
00:36:33,349 --> 00:36:32,480  
you know and that gets this whole area

979  
00:36:35,430 --> 00:36:33,359  
of

980  
00:36:37,589 --> 00:36:35,440  
when do we want to trust observations

981  
00:36:39,109 --> 00:36:37,599  
studies as opposed to randomized

982  
00:36:41,829 --> 00:36:39,119  
controlled studies

983  
00:36:44,710 --> 00:36:41,839  
so lots of very interesting scientific

984  
00:36:48,710 --> 00:36:46,230  
we have

985  
00:36:49,990 --> 00:36:48,720  
a situation though where

986  
00:36:55,589 --> 00:36:50,000  
and

987  
00:37:24,710 --> 00:36:56,630  
a

988  
00:37:26,790 --> 00:37:24,720

if i were

989

00:37:28,069 --> 00:37:26,800

looking at all this data

990

00:37:29,910 --> 00:37:28,079

and i was

991

00:37:31,750 --> 00:37:29,920

not exactly sure

992

00:37:34,829 --> 00:37:31,760

i'd wear a mask

993

00:37:38,390 --> 00:37:34,839

because wearing i'm asking my opinion

994

00:37:40,310 --> 00:37:38,400

as almost no downside

995

00:37:41,990 --> 00:37:40,320

and i think there's sufficient data to

996

00:37:44,230 --> 00:37:42,000

say

997

00:37:46,630 --> 00:37:44,240

that it limits the transmission of

998

00:37:48,310 --> 00:37:46,640

aerosolized viral infections

999

00:37:50,950 --> 00:37:48,320

so i would certainly recommend that

1000

00:37:53,829 --> 00:37:50,960

somebody wear advanced

1001  
00:37:55,910 --> 00:37:53,839  
the next question is should it be mandy

1002  
00:37:57,829 --> 00:37:55,920  
and i don't the answer

1003  
00:38:00,150 --> 00:37:57,839  
okay but you're i'm with you jack but

1004  
00:38:01,670 --> 00:38:00,160  
then you kind of pull up on the really

1005  
00:38:04,230 --> 00:38:01,680  
important one hey you want to wear a

1006  
00:38:06,150 --> 00:38:04,240  
mask out there in new york i don't have

1007  
00:38:07,589 --> 00:38:06,160  
any problem anyone can wear a mask i see

1008  
00:38:09,030 --> 00:38:07,599  
people all the time driving around in

1009  
00:38:11,589 --> 00:38:09,040  
their car all by themselves wearing a

1010  
00:38:14,150 --> 00:38:11,599  
mask you want to do that man it's your

1011  
00:38:16,550 --> 00:38:14,160  
world and then i got it

1012  
00:38:18,950 --> 00:38:16,560  
well it doesn't matter the whole issue

1013  
00:38:22,710 --> 00:38:18,960

is public health policy what we care

1014

00:38:24,710 --> 00:38:22,720

about is that whether the public health

1015

00:38:28,069 --> 00:38:24,720

policy can be

1016

00:38:30,950 --> 00:38:28,079

made and enforced without science behind

1017

00:38:32,950 --> 00:38:30,960

it so what i think we so you can have

1018

00:38:34,550 --> 00:38:32,960

your opinion you know which you're

1019

00:38:36,069 --> 00:38:34,560

you're open at admitting that you don't

1020

00:38:38,069 --> 00:38:36,079

have the data i at least have a little

1021

00:38:40,310 --> 00:38:38,079

bit of nato and i've done it i have the

1022

00:38:42,550 --> 00:38:40,320

dating with me right now i i i thought

1023

00:38:43,990 --> 00:38:42,560

okay i'm fine you don't have the data at

1024

00:38:46,390 --> 00:38:44,000

your fingertips

1025

00:38:48,470 --> 00:38:46,400

you could edit you know if i had thought

1026  
00:38:51,030 --> 00:38:48,480  
knew that we would talk about this and i

1027  
00:38:52,470 --> 00:38:51,040  
had time to accumulate all of it

1028  
00:38:55,270 --> 00:38:52,480  
because i've been reading these studies

1029  
00:38:57,670 --> 00:38:55,280  
as well liking that well i can simplify

1030  
00:38:59,270 --> 00:38:57,680  
it i think i can simplify the argument

1031  
00:39:01,190 --> 00:38:59,280  
to a point where

1032  
00:39:02,950 --> 00:39:01,200  
i don't know that we'll find agreement

1033  
00:39:04,950 --> 00:39:02,960  
but we're already kind of closer to

1034  
00:39:05,750 --> 00:39:04,960  
agreement than it might seem on this in

1035  
00:39:08,310 --> 00:39:05,760  
that

1036  
00:39:10,150 --> 00:39:08,320  
precovid

1037  
00:39:11,430 --> 00:39:10,160  
our public health

1038  
00:39:14,790 --> 00:39:11,440

policy

1039

00:39:16,550 --> 00:39:14,800

interface between mask science was no

1040

00:39:17,430 --> 00:39:16,560

mandates right

1041

00:39:20,950 --> 00:39:17,440

so

1042

00:39:23,030 --> 00:39:20,960

pre-covid we were not mandating that

1043

00:39:25,349 --> 00:39:23,040

people wear masks when there was flu

1044

00:39:26,950 --> 00:39:25,359

outbreak the prior year and all the rest

1045

00:39:30,790 --> 00:39:26,960

of that there was none of that

1046

00:39:33,750 --> 00:39:30,800

so so i would suggest to you that again

1047

00:39:37,829 --> 00:39:33,760

what i think your book should be about

1048

00:39:41,190 --> 00:39:37,839

is what kind of science would we need to

1049

00:39:42,870 --> 00:39:41,200

tip that over not tip that over to uh

1050

00:39:44,150 --> 00:39:42,880

hey i recommend that you really ought to

1051  
00:39:45,750 --> 00:39:44,160  
look into this you ought to do your own

1052  
00:39:48,470 --> 00:39:45,760  
work and you ought to wear a mask

1053  
00:39:50,950 --> 00:39:48,480  
what tips it over to no i can now

1054  
00:39:52,710 --> 00:39:50,960  
mandate that and now to the situation

1055  
00:39:55,109 --> 00:39:52,720  
where we're in now where we have a

1056  
00:39:58,310 --> 00:39:55,119  
president's a president who is and this

1057  
00:40:00,230 --> 00:39:58,320  
is absurdity this is science completely

1058  
00:40:02,069 --> 00:40:00,240  
run amok in my opinion

1059  
00:40:05,270 --> 00:40:02,079  
is threatening

1060  
00:40:07,589 --> 00:40:05,280  
imposing mask restrictions

1061  
00:40:10,790 --> 00:40:07,599  
for people who do or do not take the

1062  
00:40:12,710 --> 00:40:10,800  
vaccine so take out whether you are pro

1063  
00:40:15,829 --> 00:40:12,720

or against the vaccine

1064

00:40:18,309 --> 00:40:15,839

since when would a a policy that is

1065

00:40:20,630 --> 00:40:18,319

supposed to be driven by science and

1066

00:40:22,870 --> 00:40:20,640

about the welfare the the health and

1067

00:40:24,470 --> 00:40:22,880

welfare of the population when would

1068

00:40:26,150 --> 00:40:24,480

that be used as a threat

1069

00:40:28,069 --> 00:40:26,160

i mean either it's good and you should

1070

00:40:29,670 --> 00:40:28,079

do it or it's not we don't threaten it

1071

00:40:31,190 --> 00:40:29,680

like hey if you do this you won't have

1072

00:40:33,270 --> 00:40:31,200

to wear the mask if you do that we won't

1073

00:40:34,870 --> 00:40:33,280

but that's that's where we're at that is

1074

00:40:36,470 --> 00:40:34,880

science really run amok in my opinion

1075

00:40:38,870 --> 00:40:36,480

what do you guys think i don't want to

1076  
00:40:40,950 --> 00:40:38,880  
do all talking here sarah i'm wondering

1077  
00:40:42,550 --> 00:40:40,960  
if maybe this is not a good question to

1078  
00:40:43,349 --> 00:40:42,560  
ask but i'm wondering if you could tell

1079  
00:40:45,030 --> 00:40:43,359  
us

1080  
00:40:47,030 --> 00:40:45,040  
some of your suggestions for how to

1081  
00:40:49,510 --> 00:40:47,040  
contain the epidemic i'm really curious

1082  
00:40:51,349 --> 00:40:49,520  
because i hear that you're

1083  
00:40:53,750 --> 00:40:51,359  
no don't think mass are a good idea i'm

1084  
00:40:54,950 --> 00:40:53,760  
not sure where you stand on vaccines

1085  
00:40:57,510 --> 00:40:54,960  
what are some things that you've been

1086  
00:41:00,550 --> 00:40:57,520  
hearing that you think are are good i'm

1087  
00:41:03,430 --> 00:41:00,560  
glad you asked that question i resist

1088  
00:41:06,069 --> 00:41:03,440

going there i really am about the

1089

00:41:08,630 --> 00:41:06,079

science i really am about the method i

1090

00:41:11,109 --> 00:41:08,640

really am about the way it gets done and

1091

00:41:14,470 --> 00:41:11,119

i'm about a healthy discussion i'm

1092

00:41:16,470 --> 00:41:14,480

constantly like you guys are too i think

1093

00:41:18,710 --> 00:41:16,480

trying to absorb more and more

1094

00:41:20,790 --> 00:41:18,720

information in order to figure out

1095

00:41:23,270 --> 00:41:20,800

what's real what's true what's best for

1096

00:41:25,750 --> 00:41:23,280

my family what's best for me personally

1097

00:41:28,390 --> 00:41:25,760

so that is a that is a moving target but

1098

00:41:30,550 --> 00:41:28,400

it is a moving target we can move along

1099

00:41:32,470 --> 00:41:30,560

and talk about any other topic we can

1100

00:41:34,870 --> 00:41:32,480

talk about climate change or global

1101

00:41:36,950 --> 00:41:34,880

warming same thing we're constantly

1102

00:41:39,030 --> 00:41:36,960

getting new information new data and

1103

00:41:40,069 --> 00:41:39,040

we're trying to make the best decisions

1104

00:41:42,710 --> 00:41:40,079

about

1105

00:41:46,309 --> 00:41:42,720

what we should do this show

1106

00:41:49,510 --> 00:41:46,319

is primarily you know 500 shows 480 of

1107

00:41:52,069 --> 00:41:49,520

them are about consciousness and about

1108

00:41:54,230 --> 00:41:52,079

this kind of what i consider to be an

1109

00:41:56,230 --> 00:41:54,240

absurdity and and jack you said you're a

1110

00:41:59,270 --> 00:41:56,240

religious guy i don't know about you

1111

00:42:00,790 --> 00:41:59,280

sarah but you know science has insisted

1112

00:42:02,390 --> 00:42:00,800

that we are

1113

00:42:04,150 --> 00:42:02,400

the consciousness is essentially an

1114

00:42:05,990 --> 00:42:04,160

illusion where biological robots in a

1115

00:42:08,069 --> 00:42:06,000

meaningless universe this has been

1116

00:42:09,910 --> 00:42:08,079

falsified over and over by science that

1117

00:42:12,309 --> 00:42:09,920

you re there really is something there

1118

00:42:14,790 --> 00:42:12,319

there really is a spirit when you are in

1119

00:42:16,870 --> 00:42:14,800

church or in synagogue that there's

1120

00:42:18,950 --> 00:42:16,880

something there's so there's a realness

1121

00:42:21,270 --> 00:42:18,960

to that behind it that's what this show

1122

00:42:24,309 --> 00:42:21,280

has been about but where that where that

1123

00:42:25,829 --> 00:42:24,319

information took me is to really try and

1124

00:42:31,190 --> 00:42:25,839

understand

1125

00:42:33,349 --> 00:42:31,200

manipulated and jury rigged like you

1126

00:42:35,190 --> 00:42:33,359

guys talk about uh i'll switch gears for

1127

00:42:37,750 --> 00:42:35,200

a minute here you guys talk a lot in the

1128

00:42:40,790 --> 00:42:37,760

book about global warming there's not

1129

00:42:42,630 --> 00:42:40,800

one reference to climate gate

1130

00:42:45,430 --> 00:42:42,640

climate gate is probably the most

1131

00:42:46,950 --> 00:42:45,440

classic example from 2009 remember

1132

00:42:49,430 --> 00:42:46,960

climategate for people who are listening

1133

00:42:50,630 --> 00:42:49,440

who don't remember the what was his

1134

00:42:51,670 --> 00:42:50,640

phrase

1135

00:42:55,750 --> 00:42:51,680

hide the

1136

00:42:57,109 --> 00:42:55,760

so scientists conspiring again you guys

1137

00:42:59,430 --> 00:42:57,119

already believe in conspiracy theories

1138

00:43:01,990 --> 00:42:59,440

here's a clear conspiracy theory we

1139

00:43:04,550 --> 00:43:02,000

caught these guys with their emails

1140

00:43:05,990 --> 00:43:04,560

conspiring with each each other to

1141

00:43:07,990 --> 00:43:06,000

falsify data

1142

00:43:11,190 --> 00:43:08,000

to mislead

1143

00:43:13,589 --> 00:43:11,200

scientific review boards by

1144

00:43:15,109 --> 00:43:13,599

hiding the decline and they even said

1145

00:43:18,390 --> 00:43:15,119

how they would do it how they would

1146

00:43:20,550 --> 00:43:18,400

manipulate the data in order to hide the

1147

00:43:22,710 --> 00:43:20,560

data that was coming in that looked like

1148

00:43:24,870 --> 00:43:22,720

there was increased temperature was

1149

00:43:26,630 --> 00:43:24,880

actually declining

1150

00:43:29,030 --> 00:43:26,640

doesn't that hit both buttons doesn't

1151

00:43:31,510 --> 00:43:29,040

that hit there's a conspiracy theory

1152

00:43:32,950 --> 00:43:31,520

clearly and doesn't that kind of call

1153

00:43:34,470 --> 00:43:32,960

into question

1154

00:43:36,309 --> 00:43:34,480

raise the point of how we have to be

1155

00:43:40,150 --> 00:43:36,319

careful about people who are

1156

00:43:45,990 --> 00:43:41,589

climate gate

1157

00:43:47,990 --> 00:43:46,000

anything to me whatsoever and uh

1158

00:43:49,990 --> 00:43:48,000

the bottom line is

1159

00:43:52,309 --> 00:43:50,000

that uh

1160

00:43:54,790 --> 00:43:52,319

climate changes and real phenomena that

1161

00:43:56,470 --> 00:43:54,800

is the greatest existential crisis that

1162

00:43:58,309 --> 00:43:56,480

we face today

1163

00:44:00,069 --> 00:43:58,319

so that is the

1164

00:44:01,030 --> 00:44:00,079

bottom line there

1165

00:44:03,829 --> 00:44:01,040

um

1166

00:44:05,589 --> 00:44:03,839

i'm not sure what to make of your

1167

00:44:07,109 --> 00:44:05,599

picking and choosing and cherry-picking

1168

00:44:08,470 --> 00:44:07,119

them all these different emails and

1169

00:44:09,910 --> 00:44:08,480

things like that

1170

00:44:11,750 --> 00:44:09,920

because on the one hand you say you want

1171

00:44:13,109 --> 00:44:11,760

to have a scientific discussion on the

1172

00:44:14,790 --> 00:44:13,119

other hand

1173

00:44:17,349 --> 00:44:14,800

you uh

1174

00:44:19,030 --> 00:44:17,359

want to get way away from science and

1175

00:44:21,589 --> 00:44:19,040

evidence and talk about what's in

1176

00:44:24,069 --> 00:44:21,599

people's emails i'm not exactly sure

1177

00:44:26,470 --> 00:44:24,079

how those things uh

1178

00:44:28,309 --> 00:44:26,480

go along each other

1179

00:44:30,790 --> 00:44:28,319

sarah do you have anything to i'm sorry

1180

00:44:32,390 --> 00:44:30,800

go ahead jack no i i i just certainly

1181

00:44:34,230 --> 00:44:32,400

don't want your

1182

00:44:36,230 --> 00:44:34,240

listeners to

1183

00:44:38,069 --> 00:44:36,240

leave by thinking that climate change is

1184

00:44:40,230 --> 00:44:38,079

not real for any people because that was

1185

00:44:41,990 --> 00:44:40,240

terrible

1186

00:44:43,510 --> 00:44:42,000

it's just going to add that um i mean i

1187

00:44:44,710 --> 00:44:43,520

agree with that but also

1188

00:44:46,309 --> 00:44:44,720

slightly different point which is that

1189

00:44:48,069 --> 00:44:46,319

we at no point do we say we don't

1190

00:44:51,829 --> 00:44:48,079

believe in conspiracy

1191

00:44:54,470 --> 00:44:51,839

conspiracies do happen um

1192

00:44:56,230 --> 00:44:54,480

you know watergate definite conspiracy

1193

00:44:57,190 --> 00:44:56,240

many other things like that

1194

00:44:59,030 --> 00:44:57,200

um

1195

00:45:01,349 --> 00:44:59,040

so and and i think that it's hard to

1196

00:45:04,230 --> 00:45:01,359

tell when something's a conspiracy and

1197

00:45:05,990 --> 00:45:04,240

when something's just sort of a mock

1198

00:45:07,270 --> 00:45:06,000

conspiracy that someone's come up with

1199

00:45:09,030 --> 00:45:07,280

so

1200

00:45:10,470 --> 00:45:09,040

you know i don't have an easy answer to

1201

00:45:11,829 --> 00:45:10,480

that but i just wanted to correct that

1202

00:45:13,990 --> 00:45:11,839

it's not true that we don't believe in

1203

00:45:15,990 --> 00:45:14,000

conspiracies

1204

00:45:17,670 --> 00:45:16,000

in science too they happen in science

1205

00:45:19,030 --> 00:45:17,680

everywhere

1206

00:45:20,950 --> 00:45:19,040

okay so

1207

00:45:22,230 --> 00:45:20,960

i i don't know if this feels like it's

1208

00:45:24,550 --> 00:45:22,240

far afield

1209

00:45:27,030 --> 00:45:24,560

or not jack you can be the judge of that

1210

00:45:29,270 --> 00:45:27,040

but again i separate out

1211

00:45:33,349 --> 00:45:29,280

the issue of weather

1212

00:45:36,150 --> 00:45:33,359

man-made global warming is

1213

00:45:39,349 --> 00:45:36,160

substantiated by the data we can almost

1214

00:45:41,430 --> 00:45:39,359

put that aside from the discussion of

1215

00:45:44,950 --> 00:45:41,440

climate gate so i just pulled up on the

1216

00:45:47,670 --> 00:45:44,960

screen the email from phil jones

1217

00:45:49,829 --> 00:45:47,680

that was he didn't reveal it was a

1218

00:45:51,670 --> 00:45:49,839

whistleblower who rev

1219

00:45:54,710 --> 00:45:51,680

leaked his email

1220

00:45:56,390 --> 00:45:54,720

and it says i'll read it i've just

1221

00:45:57,750 --> 00:45:56,400

completed mike

1222

00:45:59,270 --> 00:45:57,760

that is uh

1223

00:46:01,670 --> 00:45:59,280

michael mann

1224

00:46:04,230 --> 00:46:01,680

his nature trick

1225

00:46:07,190 --> 00:46:04,240

of adding the real temps to each series

1226  
00:46:10,710 --> 00:46:07,200  
for the last 20 years

1227  
00:46:13,109 --> 00:46:10,720  
to show him how to hide the decline now

1228  
00:46:15,990 --> 00:46:13,119  
there's no other way to interpret that

1229  
00:46:17,190 --> 00:46:16,000  
other than scientist conspiring

1230  
00:46:19,670 --> 00:46:17,200  
colluding

1231  
00:46:22,309 --> 00:46:19,680  
to hide the decline

1232  
00:46:25,190 --> 00:46:22,319  
that is the decline in

1233  
00:46:27,990 --> 00:46:25,200  
temperatures in order to

1234  
00:46:29,430 --> 00:46:28,000  
scientific peer review

1235  
00:46:32,790 --> 00:46:29,440  
committee that was looking at their

1236  
00:46:34,630 --> 00:46:32,800  
paper and to the un climate

1237  
00:46:37,670 --> 00:46:34,640  
committee i don't know i don't know how

1238  
00:46:40,150 --> 00:46:37,680

else to read that other than than that

1239

00:46:42,069 --> 00:46:40,160

oh you know again we can spend a lot of

1240

00:46:43,750 --> 00:46:42,079

time there's a lot many many ways it's

1241

00:46:45,109 --> 00:46:43,760

been this we've gone over a million

1242

00:46:47,270 --> 00:46:45,119

times of lots of different ways to read

1243

00:46:48,550 --> 00:46:47,280

that and that's not one thing then but

1244

00:46:50,950 --> 00:46:48,560

um

1245

00:46:54,829 --> 00:46:53,109

again like the the thing that would

1246

00:46:57,829 --> 00:46:54,839

concern me the

1247

00:47:00,790 --> 00:46:57,839

most at this point

1248

00:47:04,150 --> 00:47:00,800

is for your listeners to get

1249

00:47:05,990 --> 00:47:04,160

mislead into thinking for example that

1250

00:47:08,230 --> 00:47:06,000

vaccines don't work whether climate

1251  
00:47:09,190 --> 00:47:08,240  
change is real or things like that based

1252  
00:47:15,589 --> 00:47:09,200  
on

1253  
00:47:18,550 --> 00:47:15,599  
would be really

1254  
00:47:20,069 --> 00:47:18,560  
tragic right if if people well you'll

1255  
00:47:21,990 --> 00:47:20,079  
think it's tragic i think that's what

1256  
00:47:23,349 --> 00:47:22,000  
your book is all about i don't i don't

1257  
00:47:25,910 --> 00:47:23,359  
agree with what you're saying so i think

1258  
00:47:27,990 --> 00:47:25,920  
we would have a vigorous scientific

1259  
00:47:30,230 --> 00:47:28,000  
debate about all those things so we

1260  
00:47:31,750 --> 00:47:30,240  
couldn't and that would be great to have

1261  
00:47:35,589 --> 00:47:31,760  
that i wouldn't

1262  
00:47:37,109 --> 00:47:35,599  
be the one to debate that um

1263  
00:47:39,190 --> 00:47:37,119

with you but

1264

00:47:40,309 --> 00:47:39,200

um i think vigorous scientific debates

1265

00:47:41,589 --> 00:47:40,319

are always

1266

00:47:44,790 --> 00:47:41,599

wonderful

1267

00:47:47,190 --> 00:47:44,800

um a vigorous scientific debate

1268

00:47:48,790 --> 00:47:47,200

that honestly and

1269

00:47:50,150 --> 00:47:48,800

carefully and rigorously look at the

1270

00:47:51,829 --> 00:47:50,160

data

1271

00:47:54,390 --> 00:47:51,839

would conclude that climate change is

1272

00:47:58,630 --> 00:47:56,549

what's jack

1273

00:48:01,109 --> 00:47:58,640

that's kind of dogmatic

1274

00:48:03,270 --> 00:48:01,119

i mean that is your opinion and i

1275

00:48:04,549 --> 00:48:03,280

appreciate that that's your opinion but

1276

00:48:06,710 --> 00:48:04,559

you know i can just

1277

00:48:08,950 --> 00:48:06,720

and you're not gonna you can tell

1278

00:48:10,870 --> 00:48:08,960

and call uncle on this any time or call

1279

00:48:13,030 --> 00:48:10,880

you know when you don't want to

1280

00:48:14,950 --> 00:48:13,040

kind of engage in this but you know here

1281

00:48:17,670 --> 00:48:14,960

is my favorite

1282

00:48:19,630 --> 00:48:17,680

person on the other side if you will

1283

00:48:22,390 --> 00:48:19,640

judith curry

1284

00:48:24,470 --> 00:48:22,400

climatologist from georgia tech head of

1285

00:48:26,630 --> 00:48:24,480

climatology department and not only that

1286

00:48:29,589 --> 00:48:26,640

but somebody who was on the climate

1287

00:48:32,150 --> 00:48:29,599

alarmist side initially and then changed

1288

00:48:36,069 --> 00:48:32,160

her position based on the data

1289

00:48:38,150 --> 00:48:36,079

and here she is kind of preaching to

1290

00:48:39,910 --> 00:48:38,160

a guy in the congressional hearing what

1291

00:48:41,670 --> 00:48:39,920

was the guy's name again

1292

00:48:44,309 --> 00:48:41,680

congressman bayer

1293

00:48:46,069 --> 00:48:44,319

and she points out that that so we could

1294

00:48:47,430 --> 00:48:46,079

get into that debate that's probably out

1295

00:48:50,150 --> 00:48:47,440

of scope of what we're talking about

1296

00:48:51,510 --> 00:48:50,160

here but there's a lot of folks that

1297

00:48:53,990 --> 00:48:51,520

just

1298

00:48:54,950 --> 00:48:54,000

wouldn't agree with you and for the

1299

00:48:56,150 --> 00:48:54,960

record

1300

00:48:58,710 --> 00:48:56,160

you know

1301  
00:49:01,589 --> 00:48:58,720  
your credentials in are

1302  
00:49:04,549 --> 00:49:01,599  
stellar from psychiatry and you

1303  
00:49:07,430 --> 00:49:04,559  
fellowships colombia i respect all that

1304  
00:49:10,630 --> 00:49:07,440  
but if i wanna know climatology i'll go

1305  
00:49:11,829 --> 00:49:10,640  
to judith curry from georgia tech before

1306  
00:49:15,109 --> 00:49:11,839  
i go to

1307  
00:49:18,230 --> 00:49:15,119  
jack from oh wyoming and you should i

1308  
00:49:20,390 --> 00:49:18,240  
would go to the 97 of climate scientists

1309  
00:49:23,750 --> 00:49:20,400  
who agree that climate change is a real

1310  
00:49:25,349 --> 00:49:23,760  
phenomenon and dr curry be

1311  
00:49:27,190 --> 00:49:25,359  
in a minority

1312  
00:49:28,630 --> 00:49:27,200  
and we would put though

1313  
00:49:31,109 --> 00:49:28,640

we could put

1314

00:49:33,589 --> 00:49:31,119

97 against three and uh let them have

1315

00:49:36,309 --> 00:49:33,599

their debate i'd be delighted to do that

1316

00:49:38,710 --> 00:49:36,319

again jack i think that'd be wonderful

1317

00:49:40,150 --> 00:49:38,720

i don't think you have the data here is

1318

00:49:41,750 --> 00:49:40,160

dr curry's

1319

00:49:42,829 --> 00:49:41,760

post on the

1320

00:49:46,230 --> 00:49:42,839

52

1321

00:49:46,950 --> 00:49:46,240

consensus if you really look at the

1322

00:49:50,230 --> 00:49:46,960

cook

1323

00:49:53,109 --> 00:49:50,240

peer-reviewed paper from which that 97

1324

00:49:56,390 --> 00:49:53,119

percent is derived if you look under the

1325

00:49:57,750 --> 00:49:56,400

hood it's an example again like climate

1326

00:50:00,470 --> 00:49:57,760

gate of just

1327

00:50:02,870 --> 00:50:00,480

scientific scandal what this guy did was

1328

00:50:06,870 --> 00:50:02,880

have a bunch of grad students

1329

00:50:09,349 --> 00:50:06,880

evaluate abstracts from climate papers

1330

00:50:11,270 --> 00:50:09,359

and then make a value judgment on their

1331

00:50:14,150 --> 00:50:11,280

part whether or not they thought they

1332

00:50:16,150 --> 00:50:14,160

agreed or disagreed on some

1333

00:50:18,549 --> 00:50:16,160

thing that he made up that has been one

1334

00:50:20,549 --> 00:50:18,559

of the most thoroughly debunked

1335

00:50:23,589 --> 00:50:20,559

so there's there's some good science if

1336

00:50:26,549 --> 00:50:23,599

you want to advance global warming idea

1337

00:50:29,190 --> 00:50:26,559

but don't go the 97 percent that's been

1338

00:50:31,030 --> 00:50:29,200

completely debunked and here again dr

1339

00:50:32,549 --> 00:50:31,040

curry from georgia tech a real

1340

00:50:35,390 --> 00:50:32,559

climatologist

1341

00:50:37,910 --> 00:50:35,400

shows you the survey of the american

1342

00:50:39,910 --> 00:50:37,920

meteorological society

1343

00:50:42,069 --> 00:50:39,920

who is really the group the kind of

1344

00:50:44,870 --> 00:50:42,079

people that we would want to

1345

00:50:47,750 --> 00:50:44,880

ask the question of whether they think

1346

00:50:48,710 --> 00:50:47,760

man-made global warming is a concern and

1347

00:50:51,829 --> 00:50:48,720

her

1348

00:50:53,510 --> 00:50:51,839

data is 52 so

1349

00:50:56,069 --> 00:50:53,520

again you know

1350

00:50:58,309 --> 00:50:56,079

it takes a lot to hash through all that

1351  
00:51:00,790 --> 00:50:58,319  
stuff and we can't do it

1352  
00:51:02,870 --> 00:51:00,800  
right here right now right right right

1353  
00:51:04,309 --> 00:51:02,880  
right i wish i i wish i could know this

1354  
00:51:06,470 --> 00:51:04,319  
is what you wanted to do because i would

1355  
00:51:08,150 --> 00:51:06,480  
have brought more climate scientists

1356  
00:51:09,910 --> 00:51:08,160  
along with me that i'm sure you've done

1357  
00:51:12,230 --> 00:51:09,920  
that already i'm sure you've

1358  
00:51:15,190 --> 00:51:12,240  
i'm sure you've had programs which

1359  
00:51:17,430 --> 00:51:15,200  
you've had uh people on both sides

1360  
00:51:19,990 --> 00:51:17,440  
and let them show their data

1361  
00:51:21,829 --> 00:51:20,000  
it's climate science very very difficult

1362  
00:51:23,910 --> 00:51:21,839  
you know i i yeah i don't claim to be a

1363  
00:51:26,470 --> 00:51:23,920

climate scientist it's very

1364

00:51:29,030 --> 00:51:26,480

the math that those guys use is so

1365

00:51:31,109 --> 00:51:29,040

complicated that uh you really do have

1366

00:51:33,510 --> 00:51:31,119

to rely on experts to uh come to

1367

00:51:35,589 --> 00:51:33,520

conclusions i took that what else you

1368

00:51:38,150 --> 00:51:35,599

got for us today

1369

00:51:39,910 --> 00:51:38,160

well we can uh we can definitely move

1370

00:51:41,910 --> 00:51:39,920

towards wrapping it up i tell you one

1371

00:51:44,390 --> 00:51:41,920

thing i got right from the

1372

00:51:45,990 --> 00:51:44,400

this this thing he wrote on conspiracy

1373

00:51:48,790 --> 00:51:46,000

theory i thought was

1374

00:51:51,750 --> 00:51:48,800

we think it's reasonable to say

1375

00:51:54,069 --> 00:51:51,760

even without any data to support it

1376

00:51:57,349 --> 00:51:54,079

that most people have never been part of

1377

00:51:58,549 --> 00:51:57,359

a conspiracy or even known a person who

1378

00:52:00,549 --> 00:51:58,559

has

1379

00:52:03,270 --> 00:52:00,559

and the thing that struck me is

1380

00:52:04,710 --> 00:52:03,280

man first of all i grew up in chicago

1381

00:52:06,630 --> 00:52:04,720

where right i don't know how it is in

1382

00:52:08,790 --> 00:52:06,640

new york but you don't get anything done

1383

00:52:11,829 --> 00:52:08,800

without paying somebody off influencing

1384

00:52:13,510 --> 00:52:11,839

somebody and everything is african right

1385

00:52:17,270 --> 00:52:13,520

right right right and then i was a

1386

00:52:20,309 --> 00:52:17,280

research associate at university arizona

1387

00:52:22,470 --> 00:52:20,319

for and i left because i thought

1388

00:52:23,589 --> 00:52:22,480

you know the phd process and that whole

1389

00:52:26,150 --> 00:52:23,599

thing was

1390

00:52:27,910 --> 00:52:26,160

very political quote unquote uh which is

1391

00:52:29,990 --> 00:52:27,920

also conspiratorial and then i got into

1392

00:52:33,109 --> 00:52:30,000

business and i had a business and built

1393

00:52:35,670 --> 00:52:33,119

my business up sold it to uh uh a nasdaq

1394

00:52:38,470 --> 00:52:35,680

company everything about that everything

1395

00:52:40,390 --> 00:52:38,480

about business everything about large uh

1396

00:52:42,470 --> 00:52:40,400

financial transactions this hall is a

1397

00:52:45,430 --> 00:52:42,480

conspiracy you're not telling the other

1398

00:52:46,950 --> 00:52:45,440

side this net so i that just struck me

1399

00:52:48,069 --> 00:52:46,960

as just

1400

00:52:49,750 --> 00:52:48,079

kind of

1401  
00:52:51,589 --> 00:52:49,760  
exactly the opposite of my experience

1402  
00:52:53,270 --> 00:52:51,599  
but then what you said was

1403  
00:52:55,750 --> 00:52:53,280  
you said the first one you use is an

1404  
00:52:58,470 --> 00:52:55,760  
example of a conspiracy and my audience

1405  
00:53:01,270 --> 00:52:58,480  
will love this a conspiracy was behind

1406  
00:53:04,150 --> 00:53:01,280  
the assassination of president lincoln

1407  
00:53:06,390 --> 00:53:04,160  
but not president kennedy and again

1408  
00:53:07,270 --> 00:53:06,400  
since we'll wrap this up

1409  
00:53:09,109 --> 00:53:07,280  
but

1410  
00:53:12,829 --> 00:53:09,119  
you guys need to google

1411  
00:53:15,990 --> 00:53:12,839  
united states house select committee on

1412  
00:53:19,270 --> 00:53:16,000  
assassinations and then add conspiracy

1413  
00:53:21,829 --> 00:53:19,280

or sound data i mean that is the finding

1414

00:53:24,309 --> 00:53:21,839

of that committee is that it was a

1415

00:53:26,470 --> 00:53:24,319

conspiracy they had all the data and

1416

00:53:28,710 --> 00:53:26,480

there was this dallas cop who had left

1417

00:53:31,030 --> 00:53:28,720

his you know little walkie-talkie thing

1418

00:53:33,109 --> 00:53:31,040

on and he picked up the sound data and

1419

00:53:35,990 --> 00:53:33,119

there were four bullets on on his sound

1420

00:53:38,390 --> 00:53:36,000

data which then throws out the lone nut

1421

00:53:40,870 --> 00:53:38,400

assassin thing and their conclusion was

1422

00:53:43,109 --> 00:53:40,880

that it's probably a conspiracy so

1423

00:53:46,390 --> 00:53:43,119

over and over again in the book

1424

00:53:48,470 --> 00:53:46,400

it's just kind of a manifesto i i don't

1425

00:53:52,470 --> 00:53:48,480

get it

1426  
00:53:54,150 --> 00:53:52,480  
well let me just say as we uh wrap it up

1427  
00:54:07,670 --> 00:53:54,160  
i

1428  
00:54:09,109 --> 00:54:07,680  
uh of your work

1429  
00:54:10,630 --> 00:54:09,119  
because that's very important to me in

1430  
00:54:13,190 --> 00:54:10,640  
my own life

1431  
00:54:15,190 --> 00:54:13,200  
and the way that science spirituality

1432  
00:54:16,950 --> 00:54:15,200  
intersect

1433  
00:54:19,270 --> 00:54:16,960  
as you know we have the end of the nih

1434  
00:54:20,069 --> 00:54:19,280  
now who's an evangelical christian so

1435  
00:54:21,990 --> 00:54:20,079  
it's

1436  
00:54:22,829 --> 00:54:22,000  
quite interesting to think about how

1437  
00:54:26,390 --> 00:54:22,839  
these

1438  
00:54:29,109 --> 00:54:26,400

things um intersect with each other

1439

00:54:30,630 --> 00:54:29,119

um so i think it's quite interesting

1440

00:54:32,710 --> 00:54:30,640

despite the fact that we obviously

1441

00:54:34,230 --> 00:54:32,720

disagree about

1442

00:54:35,510 --> 00:54:34,240

many things

1443

00:54:37,109 --> 00:54:35,520

um

1444

00:54:38,470 --> 00:54:37,119

i do think that you're

1445

00:54:39,990 --> 00:54:38,480

uh

1446

00:54:41,910 --> 00:54:40,000

advocacy for

1447

00:54:43,750 --> 00:54:41,920

open scientific debate is really

1448

00:54:45,829 --> 00:54:43,760

directly

1449

00:54:47,670 --> 00:54:45,839

well thank you very much jack sarah do

1450

00:54:49,829 --> 00:54:47,680

you have any other thoughts that you'd

1451  
00:54:50,950 --> 00:54:49,839  
like to add or anything else you know

1452  
00:54:53,829 --> 00:54:50,960  
it's it's

1453  
00:54:55,750 --> 00:54:53,839  
been me kind of going on about the book

1454  
00:54:58,630 --> 00:54:55,760  
what else do you want to tell people

1455  
00:54:59,750 --> 00:54:58,640  
that you feel they will find most useful

1456  
00:55:02,309 --> 00:54:59,760  
in the book

1457  
00:55:04,710 --> 00:55:02,319  
no i would agree with what jack said and

1458  
00:55:06,710 --> 00:55:04,720  
i think that hopefully there are tips in

1459  
00:55:08,390 --> 00:55:06,720  
the book that can help people

1460  
00:55:10,710 --> 00:55:08,400  
when they're making any kind of health

1461  
00:55:11,910 --> 00:55:10,720  
decision it doesn't have to be about

1462  
00:55:13,670 --> 00:55:11,920  
something that's quote unquote

1463  
00:55:15,270 --> 00:55:13,680

contentious it could be about anything

1464

00:55:16,710 --> 00:55:15,280

that you have to make a decision about

1465

00:55:18,309 --> 00:55:16,720

related to your health

1466

00:55:20,390 --> 00:55:18,319

hopefully that there are tips in the

1467

00:55:22,069 --> 00:55:20,400

book that and ideas that give you a

1468

00:55:24,309 --> 00:55:22,079

sense of where you might

1469

00:55:25,750 --> 00:55:24,319

um have trouble making that decision

1470

00:55:27,270 --> 00:55:25,760

where you might you know let your

1471

00:55:28,309 --> 00:55:27,280

emotions get the better of you and where

1472

00:55:30,390 --> 00:55:28,319

you can

1473

00:55:32,230 --> 00:55:30,400

seek more information and make sure that

1474

00:55:33,589 --> 00:55:32,240

you're making the decision in a calm way

1475

00:55:36,710 --> 00:55:33,599

so that you're making the best decision

1476  
00:55:37,430 --> 00:55:36,720  
for yourself and your family um i think

1477  
00:55:41,750 --> 00:55:37,440  
that

1478  
00:55:42,710 --> 00:55:41,760  
book and just to become self-aware

1479  
00:55:44,309 --> 00:55:42,720  
um

1480  
00:55:46,390 --> 00:55:44,319  
and hopefully that will be helpful to

1481  
00:55:50,470 --> 00:55:46,400  
people in their in their health in

1482  
00:55:54,789 --> 00:55:52,710  
awesome well as i said at the beginning

1483  
00:55:56,230 --> 00:55:54,799  
these kind of discussions are

1484  
00:55:57,670 --> 00:55:56,240  
sometimes difficult to have and that's

1485  
00:56:00,549 --> 00:55:57,680  
why they're not

1486  
00:56:02,789 --> 00:56:00,559  
done more so i'm glad we were able to do

1487  
00:56:05,030 --> 00:56:02,799  
it and i think we i think we did it

1488  
00:56:07,109 --> 00:56:05,040

right with a lot of respect and i wish

1489

00:56:09,270 --> 00:56:07,119

you guys the best and i thank you for

1490

00:56:11,589 --> 00:56:09,280

coming on skeptico

1491

00:56:13,270 --> 00:56:11,599

thank you for having us

1492

00:56:15,109 --> 00:56:13,280

thanks again to sarah and jack gorman

1493

00:56:17,270 --> 00:56:15,119

for coming on skeptico the one question

1494

00:56:19,589 --> 00:56:17,280

i t up from this interview is

1495

00:56:21,990 --> 00:56:19,599

should scientific discussion be banned

1496

00:56:23,990 --> 00:56:22,000

on youtube do they have the right to do

1497

00:56:25,510 --> 00:56:24,000

it because they're a private company

1498

00:56:27,670 --> 00:56:25,520

let me know your thoughts lots more

1499

00:56:28,710 --> 00:56:27,680

skeptical coming up stay with me for all

1500

00:56:30,870 --> 00:56:28,720

of that

1501

00:56:33,050 --> 00:56:30,880

until next time take care

1502

00:56:46,640 --> 00:56:33,060

and bye for now