



The Amazing Meeting

The Skeptic Zone
Show 195 - 14 July 2012

1
00:00:22,720 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:28,820 --> 00:00:25,400
hello and welcome to the skeptic zone

3
00:00:32,120 --> 00:00:28,830
episode number 185 on the fourteenth of

4
00:00:35,570 --> 00:00:32,130
july i am coming to you in the hallway

5
00:00:38,360 --> 00:00:35,580
the expansive hallway here at the south

6
00:00:40,550 --> 00:00:38,370
point casino just outside the amazing

7
00:00:42,260 --> 00:00:40,560
meeting alongside me for the

8
00:00:44,660 --> 00:00:42,270
introduction today is our good friend

9
00:00:47,540 --> 00:00:44,670
and us correspondent on the East Coast

10
00:00:49,340 --> 00:00:47,550
Travis Roy hi Travis hey Rachel how's it

11
00:00:50,840 --> 00:00:49,350
going I'm going really well it's a bit

12
00:00:52,640 --> 00:00:50,850
early in the morning i must admit people

13
00:00:54,260 --> 00:00:52,650

filing into one of the early morning

14

00:00:56,480 --> 00:00:54,270

sessions but it's a bit quiet down this

15

00:00:58,610 --> 00:00:56,490

end of the hallway and a perfect

16

00:01:01,490 --> 00:00:58,620

opportunity to do a little work on the

17

00:01:03,680 --> 00:01:01,500

skeptic zone house yard oh I can hear

18

00:01:06,230 --> 00:01:03,690

the tones of George rub in the other

19

00:01:08,060 --> 00:01:06,240

room how's your amazing meeting being so

20

00:01:11,660 --> 00:01:08,070

far it's been absolutely amazing

21

00:01:13,480 --> 00:01:11,670

likeness I thought you'd say that I

22

00:01:15,649 --> 00:01:13,490

thought you'd say that well it's

23

00:01:17,719 --> 00:01:15,659

everybody I've spoken to and so many

24

00:01:19,069 --> 00:01:17,729

people so many people have come up and

25

00:01:20,239 --> 00:01:19,079

said how much they liked listening to

26

00:01:22,219 --> 00:01:20,249

the skeptic zone and that's very

27

00:01:25,039 --> 00:01:22,229

pleasing and have you seen Maynard

28

00:01:27,380 --> 00:01:25,049

running around oh yes of course let miss

29

00:01:29,480 --> 00:01:27,390

him last night with his gold jacket God

30

00:01:32,480 --> 00:01:29,490

he was wearing a gold jacket to the Penn

31

00:01:34,190 --> 00:01:32,490

Jillette show last night and he who is

32

00:01:37,160 --> 00:01:34,200

having a great time I think he's sound

33

00:01:38,870 --> 00:01:37,170

asleep right now good for him yes I

34

00:01:41,239 --> 00:01:38,880

would be too after the long may he had

35

00:01:43,069 --> 00:01:41,249

but listeners will be so happy to know

36

00:01:45,440 --> 00:01:43,079

that may not is having a wonderful time

37

00:01:48,230 --> 00:01:45,450

here at the amazing meeting because it's

38

00:01:51,020 --> 00:01:48,240

the listeners who really got me not here

39

00:01:53,239 --> 00:01:51,030

for this event here tells me he's got

40

00:01:57,080 --> 00:01:53,249

something got something over a gigabyte

41

00:01:58,849 --> 00:01:57,090

of in interviews so far yeah I've seen

42

00:02:00,679 --> 00:01:58,859

almost every time I've seen him he said

43

00:02:04,160 --> 00:02:00,689

a microphone in somebody's face I agree

44

00:02:07,099 --> 00:02:04,170

and I think he's got something in the

45

00:02:09,350 --> 00:02:07,109

vicinity of 60 interviews done so far

46

00:02:11,300 --> 00:02:09,360

wow that doesn't mean they're hours

47

00:02:12,950 --> 00:02:11,310

worth of interviews each there may be

48

00:02:15,220 --> 00:02:12,960

five minutes here in 10 minutes there or

49

00:02:16,750 --> 00:02:15,230

whatever the case may be and

50

00:02:18,100 --> 00:02:16,760

well we look forward to hearing those in

51
00:02:19,330 --> 00:02:18,110
fact some of those will be coming on

52
00:02:21,250 --> 00:02:19,340
later in the show I better tell you

53
00:02:22,509 --> 00:02:21,260
what's on the show as I would love to

54
00:02:24,369 --> 00:02:22,519
hear with on what's on the show that's

55
00:02:25,720 --> 00:02:24,379
we better find out we're going to kick

56
00:02:27,520 --> 00:02:25,730
off with a little interview I did with

57
00:02:30,130 --> 00:02:27,530
our good friend from the skeptics guide

58
00:02:32,680 --> 00:02:30,140
to the universe Evan Bernstein now Evan

59
00:02:36,280 --> 00:02:32,690
and I and the rest of the skeptics guide

60
00:02:39,550 --> 00:02:36,290
to the universe crew are just last week

61
00:02:43,300 --> 00:02:39,560
were invited to visit Pixar Animation

62
00:02:46,119 --> 00:02:43,310
Studios up there near San Francisco and

63
00:02:49,420 --> 00:02:46,129

the very next day we were down the coast

64

00:02:50,860 --> 00:02:49,430

a little bit at Google headquarters yeah

65

00:02:53,050 --> 00:02:50,870

they showed pictures of it during their

66

00:02:54,610 --> 00:02:53,060

live performance yesterday and it looked

67

00:02:57,670 --> 00:02:54,620

like it was a good time if they did

68

00:03:00,039 --> 00:02:57,680

indeed that was a great time so are we I

69

00:03:02,740 --> 00:03:00,049

have a little chat to Evan about our

70

00:03:04,270 --> 00:03:02,750

trip to Pixar and Google that's at the

71

00:03:06,490 --> 00:03:04,280

top of the show then after the break I

72

00:03:08,020 --> 00:03:06,500

catch up with our dear friend Eugenie

73

00:03:09,880 --> 00:03:08,030

Scott from the National Center for

74

00:03:12,910 --> 00:03:09,890

Science Education she's going to discuss

75

00:03:15,699 --> 00:03:12,920

many things including her frequent

76

00:03:18,400 --> 00:03:15,709

visits to the Grand Canyon and more

77

00:03:20,770 --> 00:03:18,410

creationism and evolution stories coming

78

00:03:23,020 --> 00:03:20,780

up Eugenie is always a lovely person oh

79

00:03:25,210 --> 00:03:23,030

she's and I've seen her here running

80

00:03:27,400 --> 00:03:25,220

around the corridors too lovely to see

81

00:03:28,990 --> 00:03:27,410

Jeanne Scott and to round off the show

82

00:03:31,270 --> 00:03:29,000

oh yes oh yes we're going to take

83

00:03:33,970 --> 00:03:31,280

advantage of maynards microphone it's

84

00:03:36,729 --> 00:03:33,980

Maynard spooky action with an assortment

85

00:03:39,520 --> 00:03:36,739

of clips and insights from various

86

00:03:41,830 --> 00:03:39,530

people here at the amazing meeting great

87

00:03:43,449 --> 00:03:41,840

can't wait to hear it I mean it's again

88

00:03:45,129 --> 00:03:43,459

folks it's just so wonderful to see

89

00:03:47,289 --> 00:03:45,139

Maynard running around he runs around

90

00:03:48,970 --> 00:03:47,299

then absolutely crushes with jet lag and

91

00:03:50,650 --> 00:03:48,980

goes to bed for two hours jumps out of

92

00:03:52,900 --> 00:03:50,660

bed again and is running around with

93

00:03:54,580 --> 00:03:52,910

this microphone well it's enough from us

94

00:03:56,680 --> 00:03:54,590

here at the far end of the corridor

95

00:03:59,650 --> 00:03:56,690

sitting at the Australian skeptics table

96

00:04:02,379 --> 00:03:59,660

Travis let's get on and listen to the

97

00:04:20,900 --> 00:04:02,389

skeptic zone while I run down the

98

00:04:28,710 --> 00:04:24,360

well they're glorious melody of Michael

99

00:04:30,060 --> 00:04:28,720

Jackson in the background but now I'm

100

00:04:32,250 --> 00:04:30,070

trying I'm trying to be optimistic I'm

101
00:04:34,830 --> 00:04:32,260
trying to be a beat about it I'm with

102
00:04:36,990 --> 00:04:34,840
Evan Bernstein from the skeptics guide

103
00:04:39,120 --> 00:04:37,000
to the universe podcast hi Evan Richard

104
00:04:40,740 --> 00:04:39,130
how are you I'm really well I'm having

105
00:04:42,540 --> 00:04:40,750
such a wonderful time with you guys

106
00:04:45,150 --> 00:04:42,550
hanging out with St you yesterday we

107
00:04:47,370 --> 00:04:45,160
were at Pixar which was mind-blowing it

108
00:04:49,200 --> 00:04:47,380
was it was tremendous I've been watching

109
00:04:50,279 --> 00:04:49,210
Pixar movies while since Toy Story I

110
00:04:52,590 --> 00:04:50,289
mean they really that was the first

111
00:04:54,029 --> 00:04:52,600
movie I've seen everyone since so I

112
00:04:55,800 --> 00:04:54,039
can't really say I've grown up with

113
00:04:57,330 --> 00:04:55,810

Pixar you know cuz I was an adult when

114

00:04:59,850 --> 00:04:57,340

I've seen these movies but half my life

115

00:05:01,260 --> 00:04:59,860

I've been watching these movies and to

116

00:05:03,240 --> 00:05:01,270

actually go to the place where they

117

00:05:06,330 --> 00:05:03,250

create the actual magic is just

118

00:05:08,340 --> 00:05:06,340

spectacular it was I couldn't imagine

119

00:05:11,240 --> 00:05:08,350

what it was like because it was a

120

00:05:13,469 --> 00:05:11,250

wonderfully modern sort of building and

121

00:05:15,060 --> 00:05:13,479

then we were taking sort of behind the

122

00:05:18,000 --> 00:05:15,070

scenes where people have their little

123

00:05:19,860 --> 00:05:18,010

office and it was like a theme park

124

00:05:21,600 --> 00:05:19,870

every little office was like a different

125

00:05:23,100 --> 00:05:21,610

theme park with it to make the workers

126

00:05:24,960 --> 00:05:23,110

more comfortable is incredible the

127

00:05:28,500 --> 00:05:24,970

culture there is pretty incredible how

128

00:05:30,000 --> 00:05:28,510

they really enhance the creative aspects

129

00:05:32,580 --> 00:05:30,010

of what they're doing and they really

130

00:05:34,260 --> 00:05:32,590

let their people relax as much as they

131

00:05:36,029 --> 00:05:34,270

can while they're getting some pretty

132

00:05:37,350 --> 00:05:36,039

you know tough work done I mean let's

133

00:05:39,029 --> 00:05:37,360

face it they're doing some pretty

134

00:05:41,070 --> 00:05:39,039

strenuous work at times especially when

135

00:05:43,230 --> 00:05:41,080

they're looking to meet their deadlines

136

00:05:45,029 --> 00:05:43,240

for or these movies coming out and there

137

00:05:48,750 --> 00:05:45,039

are crunch times there but at the same

138

00:05:50,100 --> 00:05:48,760

time they know how to relax in the

139

00:05:52,500 --> 00:05:50,110

middle of it all and take some of that

140

00:05:55,080 --> 00:05:52,510

stress away it's an extremely extremely

141

00:05:56,430 --> 00:05:55,090

well let's just say I'm jealous of those

142

00:05:57,719 --> 00:05:56,440

who work there and I wish I could work

143

00:05:59,129 --> 00:05:57,729

in an environment like that i mean i

144

00:06:00,839 --> 00:05:59,139

wish i had the skills to work an

145

00:06:04,260 --> 00:06:00,849

environment like that but i guess it the

146

00:06:07,740 --> 00:06:04,270

whole place is tailored to get people to

147

00:06:09,089 --> 00:06:07,750

be creative and have that fire in their

148

00:06:10,589 --> 00:06:09,099

belly and be passionate about what

149

00:06:12,000 --> 00:06:10,599

they're creating and that translates

150

00:06:14,559 --> 00:06:12,010

onto the screen you know when you put

151

00:06:16,779 --> 00:06:14,569

love and dedication into a movie

152

00:06:18,369 --> 00:06:16,789

it pays off I guess it definitely pays

153

00:06:20,679 --> 00:06:18,379

off you can tell I mean their quality

154

00:06:23,260 --> 00:06:20,689

their product is really tremendous

155

00:06:25,059 --> 00:06:23,270

quality listeners who are familiar with

156

00:06:27,639 --> 00:06:25,069

the Pixar films you know the Toy Story

157

00:06:31,629 --> 00:06:27,649

series cars movies omona tables

158

00:06:33,579 --> 00:06:31,639

Incredibles finding neo ratatouille

159

00:06:36,699 --> 00:06:33,589

brave is yeah their latest release I

160

00:06:39,279 --> 00:06:36,709

mean it just it just for a person like

161

00:06:41,049 --> 00:06:39,289

myself who's very interested in just

162

00:06:43,359 --> 00:06:41,059

movies over all and especially animated

163

00:06:45,339 --> 00:06:43,369

features and I like a lot of them but

164

00:06:48,369 --> 00:06:45,349

pics are always seems to come out with

165

00:06:50,230 --> 00:06:48,379

the best quality material and having

166

00:06:52,510 --> 00:06:50,240

visited their headquarters now you can

167

00:06:54,699 --> 00:06:52,520

almost see how they're able to make that

168

00:06:57,489 --> 00:06:54,709

possible now listeners may be wondering

169

00:06:59,559 --> 00:06:57,499

what the noise is behind us Evan and I

170

00:07:01,719 --> 00:06:59,569

are standing in the auditorium here at

171

00:07:04,420 --> 00:07:01,729

Google headquarters Google headquarters

172

00:07:06,609 --> 00:07:04,430

weird giving a presentation today to the

173

00:07:09,790 --> 00:07:06,619

Google skeptic which is fantastic and

174

00:07:11,109 --> 00:07:09,800

they've just opened the cafeteria but so

175

00:07:12,790 --> 00:07:11,119

that but just getting back to pics how

176
00:07:15,749 --> 00:07:12,800
quickly one of the things i must say and

177
00:07:19,420 --> 00:07:15,759
this is no means to suck up to them

178
00:07:21,909 --> 00:07:19,430
where we treated well or what we were

179
00:07:24,429 --> 00:07:21,919
treated so well personal tours and stuff

180
00:07:26,409 --> 00:07:24,439
and it was just fantastic VIPs we were

181
00:07:28,449 --> 00:07:26,419
but you see the sum of their people who

182
00:07:31,359 --> 00:07:28,459
work there are listeners of both of our

183
00:07:32,799 --> 00:07:31,369
shows they were thrilled as thrilled as

184
00:07:35,139 --> 00:07:32,809
we were to be there they were thrilled

185
00:07:38,259 --> 00:07:35,149
to have us they're definitely symbiotic

186
00:07:39,879 --> 00:07:38,269
in that in that relationship and so here

187
00:07:42,369 --> 00:07:39,889
we are we finding ourselves at google

188
00:07:44,799 --> 00:07:42,379

today and we we have fans at Google who

189

00:07:46,929 --> 00:07:44,809

listen to both our podcast which is very

190

00:07:50,139 --> 00:07:46,939

flattering to know our win a huge room

191

00:07:51,579 --> 00:07:50,149

here all the chairs long tables the

192

00:07:53,679 --> 00:07:51,589

chairs are all the colors of the google

193

00:07:56,259 --> 00:07:53,689

logo we've got google logos around us

194

00:07:57,519 --> 00:07:56,269

and there's a few people milling about i

195

00:07:59,920 --> 00:07:57,529

think we're going to go over soon and

196

00:08:02,889 --> 00:07:59,930

grab ourselves a bit of lunch but i'm

197

00:08:05,259 --> 00:08:02,899

looking forward to being part of kindly

198

00:08:07,059 --> 00:08:05,269

being part of the SGU lineup today too i

199

00:08:09,429 --> 00:08:07,069

guess a guest rogue on the side

200

00:08:12,069 --> 00:08:09,439

absolutely to talk to these people here

201
00:08:14,609 --> 00:08:12,079
at Google but it's an incredible place

202
00:08:16,719 --> 00:08:14,619
we just walk through a garden of

203
00:08:18,519 --> 00:08:16,729
sculptures but they were all of famous

204
00:08:20,979 --> 00:08:18,529
oceanographers

205
00:08:24,699 --> 00:08:20,989
how strange is that it's strange and at

206
00:08:26,109 --> 00:08:24,709
the same time amazing because I don't

207
00:08:28,119 --> 00:08:26,119
know where else you can kind of go to

208
00:08:30,249 --> 00:08:28,129
see this sort of what other what other

209
00:08:33,149 --> 00:08:30,259
corporate campus do you walk around and

210
00:08:35,259 --> 00:08:33,159
you see you know busts and artwork and

211
00:08:36,969 --> 00:08:35,269
paintings and it'll be and all these

212
00:08:39,730 --> 00:08:36,979
other amazing things we've just been

213
00:08:41,350 --> 00:08:39,740

given an order by Steve novella to come

214

00:08:42,879 --> 00:08:41,360

across to the other side of the room so

215

00:08:45,100 --> 00:08:42,889

I guess we can't ignore an order by

216

00:08:46,749 --> 00:08:45,110

seeing the Sun and we having some Evan

217

00:08:48,610 --> 00:08:46,759

great to catch up with you and I look

218

00:08:55,829 --> 00:08:48,620

forward to sharing the stage with you in

219

00:09:00,489 --> 00:08:58,660

hey guys this is jay from the skeptics

220

00:09:03,280 --> 00:09:00,499

guide to the universe or well held on

221

00:09:05,049 --> 00:09:03,290

whoa everybody knows I'm the only reason

222

00:09:06,220 --> 00:09:05,059

to listen to the Freak Show right I mean

223

00:09:12,970 --> 00:09:06,230

if it was up to me the show would start

224

00:09:14,889 --> 00:09:12,980

with this yeah boy well Rebecca would

225

00:09:16,600 --> 00:09:14,899

hate that probably but I mean I'd rock

226

00:09:17,619 --> 00:09:16,610

that listen to our show and you can

227

00:09:19,299 --> 00:09:17,629

learn about cool stuff like a

228

00:09:21,069 --> 00:09:19,309

technological singularity which is

229

00:09:22,569 --> 00:09:21,079

someday when technology progresses so

230

00:09:23,949 --> 00:09:22,579

fast that it would make the Industrial

231

00:09:27,009 --> 00:09:23,959

Revolution look like a kid science

232

00:09:46,629 --> 00:09:27,019

project anyway come check us out at WWDC

233

00:09:52,009 --> 00:09:49,819

okay so where were we choose a genie

234

00:09:53,689 --> 00:09:52,019

California good Berkeley coffee good

235

00:09:55,670 --> 00:09:53,699

Berkeley coffee i'm in berkeley of

236

00:09:57,889 --> 00:09:55,680

course no i'm not even clear enough

237

00:09:59,509 --> 00:09:57,899

technically i'm in oakland on that's

238

00:10:02,780 --> 00:09:59,519

what the map says that is where we are

239

00:10:04,189 --> 00:10:02,790

and i'm with my dear dear old friend not

240

00:10:06,800 --> 00:10:04,199

old i'm sorry my dear friend who i've

241

00:10:08,629 --> 00:10:06,810

known for a while my longtime friend oh

242

00:10:10,519 --> 00:10:08,639

that's the way to do you say my long

243

00:10:13,160 --> 00:10:10,529

time for my long time friend Eugenie

244

00:10:16,100 --> 00:10:13,170

Scott hello genies I just it's just

245

00:10:18,290 --> 00:10:16,110

always so wonderful to meet up with you

246

00:10:20,240 --> 00:10:18,300

um well it really is and to be here in

247

00:10:22,550 --> 00:10:20,250

the National Center for Science

248

00:10:25,519 --> 00:10:22,560

Education drinking our coffee hmm well

249

00:10:27,680 --> 00:10:25,529

it's great to have you come by it's been

250

00:10:31,639 --> 00:10:27,690

a real treat and i'm looking forward

251
00:10:33,050 --> 00:10:31,649
especially to tonight because you and I

252
00:10:35,600 --> 00:10:33,060
are both going to the amazing meeting

253
00:10:37,160 --> 00:10:35,610
and we're both leaving tomorrow on

254
00:10:40,460 --> 00:10:37,170
different flights as it happens but

255
00:10:44,389 --> 00:10:40,470
tonight after i chat to you we're going

256
00:10:47,660 --> 00:10:44,399
to is it a restaurant or is it it is a

257
00:10:49,309 --> 00:10:47,670
it's it's a it's a non-profit it's a

258
00:10:52,550 --> 00:10:49,319
restaurant but it's a meeting space as

259
00:10:55,250 --> 00:10:52,560
well a place called cafe Valparaiso it's

260
00:10:56,780 --> 00:10:55,260
run by some Chileans and i will be

261
00:10:58,280 --> 00:10:56,790
buying you dinner since you are kind

262
00:11:00,590 --> 00:10:58,290
enough to speak for the Bay Area

263
00:11:03,620 --> 00:11:00,600

skeptics you will be eating chili in

264

00:11:05,210 --> 00:11:03,630

food science what is great and you are

265

00:11:08,720 --> 00:11:05,220

going to be speaking for the Bay Area

266

00:11:10,730 --> 00:11:08,730

skeptic so usual second Wednesday of the

267

00:11:13,400 --> 00:11:10,740

month meeting and we are delighted at

268

00:11:14,960 --> 00:11:13,410

and i'll be speaking about my adventures

269

00:11:18,769 --> 00:11:14,970

with the power balance which is an

270

00:11:20,329 --> 00:11:18,779

interesting topic and giving a few

271

00:11:22,129 --> 00:11:20,339

demonstrations i'm particularly looking

272

00:11:23,920 --> 00:11:22,139

forward to that but what a treat it is

273

00:11:27,319 --> 00:11:23,930

in fact i remember one of the first

274

00:11:30,290 --> 00:11:27,329

talks if not the first talk i ever gave

275

00:11:32,600 --> 00:11:30,300

in the united states was for you was

276

00:11:34,220 --> 00:11:32,610

that really yeah and you were there and

277

00:11:36,590 --> 00:11:34,230

Phil Plait was there it was for the Bay

278

00:11:39,679 --> 00:11:36,600

Area's captain I was a little library in

279

00:11:41,639 --> 00:11:39,689

Berkeley yes yeah and in two thousand

280

00:11:43,889 --> 00:11:41,649

and rule because it then whenever

281

00:11:46,739 --> 00:11:43,899

well we we have met in a variety of

282

00:11:48,210 --> 00:11:46,749

places over the years and this little

283

00:11:49,559 --> 00:11:48,220

space here seems to be working out

284

00:11:51,179 --> 00:11:49,569

pretty well for that's vented but

285

00:11:54,210 --> 00:11:51,189

looking people that just as nice as can

286

00:11:55,859 --> 00:11:54,220

be so we like so and it's close to

287

00:11:58,499 --> 00:11:55,869

public transportation which is very

288

00:12:00,480 --> 00:11:58,509

important yeah that's good too now we

289

00:12:02,280 --> 00:12:00,490

just before we were recording we were

290

00:12:05,400 --> 00:12:02,290

having a chat because just after the

291

00:12:07,439 --> 00:12:05,410

amazing meeting which were both heading

292

00:12:08,879 --> 00:12:07,449

off to very soon just after that you're

293

00:12:10,919 --> 00:12:08,889

eating off to one of your favorite

294

00:12:15,150 --> 00:12:10,929

places in the world indeed the grace

295

00:12:19,049 --> 00:12:15,160

Canyon Tam ends on Sunday and on Monday

296

00:12:21,090 --> 00:12:19,059

I take off my presentation clothes and

297

00:12:23,340 --> 00:12:21,100

put on my grubby old shorts and t-shirts

298

00:12:27,449 --> 00:12:23,350

your adventure because my pick up my

299

00:12:29,699 --> 00:12:27,459

tent yeah head off to Grand Canyon and

300

00:12:32,129 --> 00:12:29,709

you've been there 11 times this will be

301

00:12:34,230 --> 00:12:32,139

my 11th time and I remember if I'm

302

00:12:36,269 --> 00:12:34,240

counting correctly and I bet every time

303

00:12:39,829 --> 00:12:36,279

you go without exception there are new

304

00:12:42,480 --> 00:12:39,839

things absolutely absolutely this is a

305

00:12:44,609 --> 00:12:42,490

rafting trip down Grand Canyon we start

306

00:12:46,230 --> 00:12:44,619

at the essentially at the top of Grand

307

00:12:50,100 --> 00:12:46,240

Canyon a little place called Lee's ferry

308

00:12:51,869 --> 00:12:50,110

and we ride through all of the strata

309

00:12:55,559 --> 00:12:51,879

basically from the top of the canyon

310

00:12:59,129 --> 00:12:55,569

down to the shifts and granites of the

311

00:13:00,540 --> 00:12:59,139

Precambrian rocks and then we come out

312

00:13:03,239 --> 00:13:00,550

of the canyon and actually actually of

313

00:13:05,699 --> 00:13:03,249

course the river itself is in the same

314

00:13:07,860 --> 00:13:05,709

place as just the Colorado Plateau has

315

00:13:09,389 --> 00:13:07,870

been uplifted so that the feeling is

316

00:13:11,069 --> 00:13:09,399

you're going down but actually you are

317

00:13:13,710 --> 00:13:11,079

in the same place because you understood

318

00:13:15,419 --> 00:13:13,720

and the ground went up so it's a sort of

319

00:13:17,999 --> 00:13:15,429

an optical illusion there but it

320

00:13:21,090 --> 00:13:18,009

geologically it is truly one of the most

321

00:13:23,519 --> 00:13:21,100

magnificent places on the planet and so

322

00:13:25,919 --> 00:13:23,529

it's a lovely place from a scientific

323

00:13:27,900 --> 00:13:25,929

standpoint and there's wonderful natural

324

00:13:31,559 --> 00:13:27,910

history there I I was just looking

325

00:13:33,960 --> 00:13:31,569

through my diary from last year and I

326

00:13:35,639 --> 00:13:33,970

noticed noted this is probably going to

327

00:13:38,960 --> 00:13:35,649

scare people away but there's a very

328

00:13:41,699 --> 00:13:38,970

rare pink rattle snake that lives

329

00:13:43,530 --> 00:13:41,709

practically no place other than the

330

00:13:46,769 --> 00:13:43,540

Grand Canyon and it's a very rare kind

331

00:13:49,019 --> 00:13:46,779

of creature and one what we saw one last

332

00:13:51,210 --> 00:13:49,029

last year it was very excited really so

333

00:13:52,639 --> 00:13:51,220

of course it wasn't and one of our

334

00:13:55,639 --> 00:13:52,649

campsites but

335

00:13:59,059 --> 00:13:55,649

yeah it's just a really easy to be yes

336

00:14:02,929 --> 00:13:59,069

it's it's a it's not an albino but it's

337

00:14:07,369 --> 00:14:02,939

this kind of you know light light pink

338

00:14:08,720 --> 00:14:07,379

Oh sort of rosy tan if you help but it's

339

00:14:10,429 --> 00:14:08,730

a very intrested so there's interesting

340

00:14:13,129 --> 00:14:10,439

creatures there it's an interesting

341

00:14:15,379 --> 00:14:13,139

ecology because the area right around

342

00:14:17,689 --> 00:14:15,389

the river is quite dry and of course

343

00:14:19,669 --> 00:14:17,699

very rocky hmm but if you go up side

344

00:14:22,460 --> 00:14:19,679

canyons and we do that all the time you

345

00:14:24,199 --> 00:14:22,470

know take hikes laterally you get into a

346

00:14:25,730 --> 00:14:24,209

very different kind of ecosystem where

347

00:14:27,259 --> 00:14:25,740

you have different kinds of trees of

348

00:14:29,780 --> 00:14:27,269

course it's much better watered because

349

00:14:31,309 --> 00:14:29,790

what makes it aside Canyon is generally

350

00:14:33,290 --> 00:14:31,319

there's a little creek right yes

351

00:14:36,679 --> 00:14:33,300

permanently or intermittently through

352

00:14:39,129 --> 00:14:36,689

yeah but it's a it's a raft trip and

353

00:14:42,199 --> 00:14:39,139

there's like I said great science

354

00:14:45,019 --> 00:14:42,209

geology various kinds of natural history

355

00:14:47,869 --> 00:14:45,029

but because obviously this is an NCIC

356

00:14:51,350 --> 00:14:47,879

trip right so we do a creation and

357

00:14:53,150 --> 00:14:51,360

evolution tore down Grand Canyon and one

358

00:14:56,269 --> 00:14:53,160

of my colleagues is a trained geologist

359

00:14:58,579 --> 00:14:56,279

a very skillful teacher steve newton and

360

00:15:01,639 --> 00:14:58,589

he is you will tell you the real story

361

00:15:04,610 --> 00:15:01,649

of Grand Canyon and I will tell you the

362

00:15:06,530 --> 00:15:04,620

creationist version of how these four

363

00:15:09,949 --> 00:15:06,540

thousand layers of sediment were all

364

00:15:12,860 --> 00:15:09,959

laid down during the period of Noah's

365

00:15:15,590 --> 00:15:12,870

Flood and as the water receded laid down

366

00:15:16,999 --> 00:15:15,600

these various shales and sand stones and

367

00:15:22,699 --> 00:15:17,009

mud stones and all the other kinds of

368

00:15:25,759 --> 00:15:22,709

rocks and how the large impoundment of

369

00:15:30,650 --> 00:15:25,769

water north of Grand Canyon catastrophic

370

00:15:34,460 --> 00:15:30,660

Lee cut the huge 350 mile Gorge over a

371

00:15:38,090 --> 00:15:34,470

period of about a week or so and so my

372

00:15:40,939 --> 00:15:38,100

partner this goes much more quickly in

373

00:15:43,069 --> 00:15:40,949

more ways than one you can you get

374

00:15:44,900 --> 00:15:43,079

hysterical laughter all chuckles awesome

375

00:15:46,879 --> 00:15:44,910

well of course all the people going on

376

00:15:48,379 --> 00:15:46,889

this trip our NCSE members and their

377

00:15:50,239 --> 00:15:48,389

friends and family and so everybody's

378

00:15:52,189 --> 00:15:50,249

kind of kind of knows I mean it's not

379

00:15:54,139 --> 00:15:52,199

like I'm trying to convince them like

380

00:15:56,379 --> 00:15:54,149

the truth of young earth creationist I

381

00:15:58,639 --> 00:15:56,389

admit but we really do have very serious

382

00:16:00,940 --> 00:15:58,649

conversations about what are the

383

00:16:04,150 --> 00:16:00,950

creation is saying about this and

384

00:16:07,960 --> 00:16:04,160

how would you answer it I say because I

385

00:16:09,790 --> 00:16:07,970

mean most of just like the intelligent

386

00:16:12,460 --> 00:16:09,800

design people or any other creationist

387

00:16:14,170 --> 00:16:12,470

when creationists deal with the geology

388

00:16:17,890 --> 00:16:14,180

of Grand Canyon they get into fairly

389

00:16:20,860 --> 00:16:17,900

technical things why is it that a sample

390

00:16:24,640 --> 00:16:20,870

of one of the lavas taken from the top

391

00:16:27,130 --> 00:16:24,650

of the canyon dates to a very young age

392

00:16:29,140 --> 00:16:27,140

which doesn't fit with the rest of the

393

00:16:30,850 --> 00:16:29,150

geology around what's wrong with it well

394

00:16:33,640 --> 00:16:30,860

most of his allergies I don't know

395

00:16:35,380 --> 00:16:33,650

exactly yeah yeah well there is an

396

00:16:36,820 --> 00:16:35,390

answer to that but it does take a little

397

00:16:38,500 --> 00:16:36,830

bit of digging through the literature it

398

00:16:42,640 --> 00:16:38,510

takes a little knowledge of its the old

399

00:16:45,160 --> 00:16:42,650

problem isn't it it's so easy to for our

400

00:16:47,200 --> 00:16:45,170

opposition if we might use that word to

401
00:16:50,920 --> 00:16:47,210
come up with statements and claims and

402
00:16:52,770 --> 00:16:50,930
everything and so difficult to properly

403
00:16:57,010 --> 00:16:52,780
address those in a short amount of time

404
00:16:58,810 --> 00:16:57,020
difficult videos complicated disorder is

405
00:17:00,970 --> 00:16:58,820
a short amount of time yes yeah

406
00:17:03,130 --> 00:17:00,980
sometimes the answers aren't that

407
00:17:05,800 --> 00:17:03,140
difficult but they're more lengthy it's

408
00:17:08,050 --> 00:17:05,810
very easy to say X didn't happen yeah or

409
00:17:10,960 --> 00:17:08,060
x is impossible and then it takes you a

410
00:17:13,180 --> 00:17:10,970
lot longer to explain why X as possible

411
00:17:14,880 --> 00:17:13,190
my ex did happen and here's a plausible

412
00:17:18,280 --> 00:17:14,890
scenario for how it happened it cetera

413
00:17:21,819 --> 00:17:18,290

and so it's you know dealing with the

414

00:17:24,100 --> 00:17:21,829

creationists is is a challenging I I

415

00:17:26,590 --> 00:17:24,110

think a lot of people are find this

416

00:17:28,540 --> 00:17:26,600

rather fun you you hear these answers

417

00:17:29,650 --> 00:17:28,550

you think hmm I don't know the answer

418

00:17:31,900 --> 00:17:29,660

that I'm going to do a little bit of

419

00:17:34,300 --> 00:17:31,910

research and find out rush which is what

420

00:17:36,520 --> 00:17:34,310

got me into studying this I tonic of

421

00:17:41,170 --> 00:17:36,530

course it don't ask me how many decades

422

00:17:43,540 --> 00:17:41,180

ago how many decades ago many do hi do I

423

00:17:48,520 --> 00:17:43,550

have to take off my shoes and count I

424

00:17:49,990 --> 00:17:48,530

ran out of fingers okay um so so we do a

425

00:17:52,090 --> 00:17:50,000

creation and evolution toward grand

426

00:17:54,430 --> 00:17:52,100

canyon and we really enjoy the heck out

427

00:17:57,010 --> 00:17:54,440

of it number one how could you not enjoy

428

00:17:59,470 --> 00:17:57,020

the canyon eight but number two it's it

429

00:18:01,900 --> 00:17:59,480

is we get a lot of science done we

430

00:18:03,550 --> 00:18:01,910

really we really talk about science a

431

00:18:04,870 --> 00:18:03,560

lot and people are interested in science

432

00:18:07,210 --> 00:18:04,880

if they're all a bunch of science fans

433

00:18:09,640 --> 00:18:07,220

how many people company you only street

434

00:18:12,580 --> 00:18:09,650

it's a total of 24 that's a nice number

435

00:18:13,880 --> 00:18:12,590

yeah wuts ur dad includes it's two boats

436

00:18:16,250 --> 00:18:13,890

of 12 each

437

00:18:20,930 --> 00:18:16,260

so it's not you know grossly crowded no

438

00:18:23,060 --> 00:18:20,940

and there's plenty of room and the we

439

00:18:25,600 --> 00:18:23,070

travel with a I'll put in a little plug

440

00:18:29,500 --> 00:18:25,610

for our outfit rather with a commercial

441

00:18:32,500 --> 00:18:29,510

outfit called mochi Mac which is a

442

00:18:36,170 --> 00:18:32,510

family-owned outfitter that has been on

443

00:18:37,910 --> 00:18:36,180

they've been on the river for decades to

444

00:18:41,150 --> 00:18:37,920

the father they know what they're doing

445

00:18:43,580 --> 00:18:41,160

boy go do they ever and they have

446

00:18:46,100 --> 00:18:43,590

delicious food and their very safety

447

00:18:48,530 --> 00:18:46,110

conscious so you don't you don't eat the

448

00:18:52,210 --> 00:18:48,540

snakes then know that little pink

449

00:18:54,890 --> 00:18:52,220

rattler no it was a as a matter of fact

450

00:18:56,750 --> 00:18:54,900

our boat then made sure you know that

451
00:18:58,070 --> 00:18:56,760
every okay everybody come on over and

452
00:18:59,660 --> 00:18:58,080
look at it it's an interesting bit of

453
00:19:02,420 --> 00:18:59,670
Natural History and now we leave it

454
00:19:04,760 --> 00:19:02,430
alone hmm because this is its house yeah

455
00:19:08,060 --> 00:19:04,770
we go to the other side of the camp we

456
00:19:10,280 --> 00:19:08,070
had stopped for lunch and in we had

457
00:19:12,320 --> 00:19:10,290
stopped for lunch at what is sometimes

458
00:19:14,030 --> 00:19:12,330
used as a camping site for smaller

459
00:19:18,710 --> 00:19:14,040
groups than ours and there was a little

460
00:19:22,250 --> 00:19:18,720
shady area over near the coastline of

461
00:19:26,450 --> 00:19:22,260
the or the beach area and there was this

462
00:19:28,460 --> 00:19:26,460
little snake getting out of the hot Sun

463
00:19:32,900 --> 00:19:28,470

or the day mad dogs and englishmen

464

00:19:34,700 --> 00:19:32,910

staying out of the Sun and him being

465

00:19:36,500 --> 00:19:34,710

smarter than mad dog cities but he was

466

00:19:38,000 --> 00:19:36,510

staying out of the Sun and so we all

467

00:19:39,860 --> 00:19:38,010

very politely took a look and didn't

468

00:19:44,060 --> 00:19:39,870

disturb it at all and so they're very

469

00:19:47,560 --> 00:19:44,070

conscious of Natural History they and

470

00:19:50,060 --> 00:19:47,570

our the people who raft with us are also

471

00:19:52,950 --> 00:19:50,070

really concerned about the environment

472

00:19:55,110 --> 00:19:52,960

concerned about

473

00:19:59,279 --> 00:19:55,120

about the creation/evolution problem

474

00:20:01,500 --> 00:19:59,289

they love science and our mochi mac the

475

00:20:05,370 --> 00:20:01,510

company that we have gone with every

476

00:20:09,060 --> 00:20:05,380

trip of ours is very cognizant of

477

00:20:11,789 --> 00:20:09,070

leaving the campsites and leaving the

478

00:20:13,560 --> 00:20:11,799

areas that we visit at least as good as

479

00:20:16,350 --> 00:20:13,570

when we found them but most likely

480

00:20:19,320 --> 00:20:16,360

better so you know we always pick up any

481

00:20:21,060 --> 00:20:19,330

any if there's any possible literate out

482

00:20:22,769 --> 00:20:21,070

we always just leave a pristine camp and

483

00:20:24,240 --> 00:20:22,779

it's a matter of pride for our group so

484

00:20:26,730 --> 00:20:24,250

we have we have a great well if you've

485

00:20:29,399 --> 00:20:26,740

been doing this for 10 years plus I

486

00:20:32,039 --> 00:20:29,409

think that speaks volumes and you I can

487

00:20:33,720 --> 00:20:32,049

tell I can't wait exactly folks you

488

00:20:35,820 --> 00:20:33,730

should see geez almost jumping out of

489

00:20:40,080 --> 00:20:35,830

the chair to get there again it must be

490

00:20:42,000 --> 00:20:40,090

just wonderful it is just the most it's

491

00:20:45,180 --> 00:20:42,010

the highlight of my year and how long is

492

00:20:47,430 --> 00:20:45,190

the truth it is eight days that's not it

493

00:20:48,690 --> 00:20:47,440

is very that's nice that that's not too

494

00:20:52,560 --> 00:20:48,700

short not to long and so that's nice

495

00:20:54,810 --> 00:20:52,570

it's um it's definitely it's like car

496

00:20:56,909 --> 00:20:54,820

camping because you know you can bring a

497

00:20:58,139 --> 00:20:56,919

tent you can bring them all your camping

498

00:20:59,909 --> 00:20:58,149

gear well you don't actually need

499

00:21:02,909 --> 00:20:59,919

camping has somebody else cooks for you

500

00:21:04,740 --> 00:21:02,919

oh wow this is very nice but you know

501
00:21:06,090 --> 00:21:04,750
you bring your personal stuff and you

502
00:21:08,639 --> 00:21:06,100
can bring your big Matt you're not

503
00:21:10,340 --> 00:21:08,649
you're not you're not backpacking you

504
00:21:14,610 --> 00:21:10,350
don't have to worry about weight right

505
00:21:16,289 --> 00:21:14,620
so you can you know you can bring your

506
00:21:18,180 --> 00:21:16,299
big fancy camera if you want you can you

507
00:21:19,830 --> 00:21:18,190
can bring them bring heavy stuff if you

508
00:21:22,260 --> 00:21:19,840
want to because you just put it in the

509
00:21:24,799 --> 00:21:22,270
boat and the boats damn big that there's

510
00:21:28,320 --> 00:21:24,809
really no you know no problem with with

511
00:21:30,090 --> 00:21:28,330
volume so while so it's it's you know

512
00:21:32,279 --> 00:21:30,100
it's camping but it's car camping rather

513
00:21:35,789 --> 00:21:32,289

than backpacking so it's pretty plush

514

00:21:38,039 --> 00:21:35,799

they bring chairs they really did its

515

00:21:39,990 --> 00:21:38,049

way so we have we have these nice canvas

516

00:21:41,760 --> 00:21:40,000

chairs to sit on it we get off about

517

00:21:43,919 --> 00:21:41,770

Italy and so it's very comfy and very

518

00:21:46,220 --> 00:21:43,929

comfy indeed what a white boy what a way

519

00:21:49,830 --> 00:21:46,230

what a way to see the Grand Canyon and

520

00:21:52,200 --> 00:21:49,840

so a very quick plug before we get on to

521

00:21:53,850 --> 00:21:52,210

chat about other things that information

522

00:21:56,519 --> 00:21:53,860

about that trip which is every year is

523

00:21:58,590 --> 00:21:56,529

available for you we will soon be

524

00:22:01,590 --> 00:21:58,600

posting and say we're recording this in

525

00:22:03,389 --> 00:22:01,600

early July just before Tam so we haven't

526

00:22:04,509 --> 00:22:03,399

posted it yet we'll post it right after

527

00:22:09,729 --> 00:22:04,519

our

528

00:22:12,549 --> 00:22:09,739

confused but next year's trip will be

529

00:22:15,159 --> 00:22:12,559

July fifteenth through July 23rd so

530

00:22:18,009 --> 00:22:15,169

almost the same dates as this year okay

531

00:22:19,509 --> 00:22:18,019

and listeners have a year to get

532

00:22:22,839 --> 00:22:19,519

themselves together or less than here

533

00:22:24,579 --> 00:22:22,849

really when do you like to have you need

534

00:22:27,489 --> 00:22:24,589

your numbers you need the book well we

535

00:22:29,949 --> 00:22:27,499

um a few months in advance I automatic

536

00:22:32,889 --> 00:22:29,959

Oh several months settlement okay okay

537

00:22:35,019 --> 00:22:32,899

you it start it starts filling up the

538

00:22:38,440 --> 00:22:35,029

you know january-february okay only

539

00:22:40,659 --> 00:22:38,450

person and if you really want to be sure

540

00:22:42,819 --> 00:22:40,669

you have a seat yes especially if you're

541

00:22:45,310 --> 00:22:42,829

coming with a friend or two yes then you

542

00:22:49,180 --> 00:22:45,320

should probably check our website which

543

00:22:51,249 --> 00:22:49,190

is ncaa.com and just in the search box

544

00:22:54,009 --> 00:22:51,259

put Grand Canyon it'll pop up that's

545

00:22:57,879 --> 00:22:54,019

excellent and so just follow the

546

00:22:59,440 --> 00:22:57,889

instructions you can either call us give

547

00:23:02,019 --> 00:22:59,450

us a credit card sent us a check

548

00:23:03,609 --> 00:23:02,029

whatever whatever save you a seat baby

549

00:23:05,169 --> 00:23:03,619

listen now something else that's been

550

00:23:07,479 --> 00:23:05,179

now popping up lately which we were

551
00:23:09,819 --> 00:23:07,489
discussing briefly before and the

552
00:23:13,389 --> 00:23:09,829
microphone was recording was interesting

553
00:23:15,279 --> 00:23:13,399
times in Tennessee indeed you know it's

554
00:23:18,369 --> 00:23:15,289
funny I was remembering the last time I

555
00:23:20,229 --> 00:23:18,379
was on your program and that we had just

556
00:23:22,479 --> 00:23:20,239
started the climate change initiative

557
00:23:25,569 --> 00:23:22,489
and we had just hired mark McCaffrey our

558
00:23:28,599 --> 00:23:25,579
climate change their number and we were

559
00:23:31,029 --> 00:23:28,609
just gearing up the lab I try to

560
00:23:32,919 --> 00:23:31,039
remember when we tape but the january i

561
00:23:35,049 --> 00:23:32,929
think i was speaking to in january i

562
00:23:37,419 --> 00:23:35,059
think i think the new website had just

563
00:23:39,940 --> 00:23:37,429

gone like was fixing to go live very

564

00:23:42,369 --> 00:23:39,950

quickly and so we were very excited

565

00:23:44,440 --> 00:23:42,379

about that and we still are and talk

566

00:23:47,079 --> 00:23:44,450

about prescient i mean here we are we've

567

00:23:48,759 --> 00:23:47,089

been known to be this evolution

568

00:23:52,239 --> 00:23:48,769

education organization for umpteen years

569

00:23:53,979 --> 00:23:52,249

and we decided we'd better add climate

570

00:23:55,299 --> 00:23:53,989

change because teachers are getting beat

571

00:23:58,419 --> 00:23:55,309

up for teach and climate change and

572

00:24:01,359 --> 00:23:58,429

guess what happens the great state of

573

00:24:05,019 --> 00:24:01,369

tennessee reintroduces a bill that we

574

00:24:09,789 --> 00:24:05,029

thought we had smacked down in 2011 but

575

00:24:12,759 --> 00:24:09,799

in 2012 the academic freedom act in

576
00:24:16,200 --> 00:24:12,769
tennessee was reintroduced and that

577
00:24:20,310 --> 00:24:16,210
spring we had a very vigorous fight

578
00:24:24,600 --> 00:24:20,320
supporting our allies in Tennessee

579
00:24:26,460 --> 00:24:24,610
teachers science organizations and now

580
00:24:28,570 --> 00:24:26,470
climate science organizations

581
00:24:30,700 --> 00:24:28,580
environmentalist organization so we were

582
00:24:34,259 --> 00:24:30,710
able to join ranks with them as well

583
00:24:38,700 --> 00:24:34,269
right because this Tennessee bill

584
00:24:40,870 --> 00:24:38,710
combines or bundles if you will

585
00:24:43,350 --> 00:24:40,880
evolution and climate changes

586
00:24:46,060 --> 00:24:43,360
controversial issues the teachers should

587
00:24:48,310 --> 00:24:46,070
single out from all other topics in the

588
00:24:50,710 --> 00:24:48,320

curriculum to teach the strengths and

589

00:24:54,610 --> 00:24:50,720

weaknesses of oh they're going down that

590

00:24:57,039 --> 00:24:54,620

road yep haha the the wording of these

591

00:25:02,740 --> 00:24:57,049

laws is always very very fascinating

592

00:25:06,460 --> 00:25:02,750

it's lots of circumlocutions shall we

593

00:25:11,590 --> 00:25:06,470

say topics that arouse debate and

594

00:25:14,139 --> 00:25:11,600

disputation well no they in science look

595

00:25:16,539 --> 00:25:14,149

evolution really doesn't arouse debate I

596

00:25:18,700 --> 00:25:16,549

mean it happened yeah living things of

597

00:25:21,460 --> 00:25:18,710

common ancestors the universe has had a

598

00:25:26,560 --> 00:25:21,470

history Noah's Flood did not carve Grand

599

00:25:29,259 --> 00:25:26,570

Canyon really and similarly with climate

600

00:25:32,169 --> 00:25:29,269

change I mean a climate that the

601
00:25:33,370 --> 00:25:32,179
scientific community is not debating

602
00:25:36,009 --> 00:25:33,380
whether the planet is getting warmer

603
00:25:38,980 --> 00:25:36,019
it's getting warmer we've got lots and

604
00:25:41,919 --> 00:25:38,990
lots of data yeah and the science

605
00:25:44,200 --> 00:25:41,929
community isn't even seriously debating

606
00:25:46,450 --> 00:25:44,210
whether people have a lot to do with

607
00:25:49,029 --> 00:25:46,460
this warming I mean that's also a done

608
00:25:52,269 --> 00:25:49,039
deal as far as science is concerned now

609
00:25:55,649 --> 00:25:52,279
these may be controversial topics in the

610
00:25:59,740 --> 00:25:55,659
general public but why would that

611
00:26:01,930 --> 00:25:59,750
dictate the curriculum you know that is

612
00:26:03,669 --> 00:26:01,940
that is letting politics determine what

613
00:26:06,820 --> 00:26:03,679

your kids learn well that's the old

614

00:26:08,799 --> 00:26:06,830

story rather than Ravenel letting good

615

00:26:13,810 --> 00:26:08,809

scholarship you just watch your kids

616

00:26:16,120 --> 00:26:13,820

learn yeah and it's it's almost too easy

617

00:26:17,440 --> 00:26:16,130

to say well look it's just Tennessee of

618

00:26:19,330 --> 00:26:17,450

course you know of course it would

619

00:26:22,360 --> 00:26:19,340

happen in Tennessee but I I bet it's not

620

00:26:25,680 --> 00:26:22,370

just Tennessee you are correct in fact

621

00:26:28,180 --> 00:26:25,690

not not to just you know don't dumb but

622

00:26:29,320 --> 00:26:28,190

well boys towards out listeners in

623

00:26:31,090 --> 00:26:29,330

Tennessee of course

624

00:26:33,070 --> 00:26:31,100

but there there's this tendency to think

625

00:26:34,920 --> 00:26:33,080

oh the Bible Belt yes that's what I'll

626
00:26:38,710 --> 00:26:34,930
get in there but I was getting out yeah

627
00:26:39,970 --> 00:26:38,720
thing is these academic freedom x I'm

628
00:26:42,580 --> 00:26:39,980
actually going to be talking about this

629
00:26:45,640 --> 00:26:42,590
attempt okay and so if any of your

630
00:26:47,890 --> 00:26:45,650
listeners are interested they may be by

631
00:26:49,960 --> 00:26:47,900
the time this airs there may be some

632
00:26:52,060 --> 00:26:49,970
videotapes on I guess they don't put

633
00:26:56,860 --> 00:26:52,070
them online I'm hoping I'm hoping to add

634
00:26:58,450 --> 00:26:56,870
this interview at the weekend of Tam in

635
00:27:02,710 --> 00:26:58,460
fact though we'll see okay you'll see

636
00:27:06,310 --> 00:27:02,720
i'll try anyway so there may be videos

637
00:27:09,400 --> 00:27:06,320
available that love it but there have

638
00:27:11,410 --> 00:27:09,410

been something like 40 of these academic

639

00:27:16,120 --> 00:27:11,420

freedom act type bills they're all quite

640

00:27:17,950 --> 00:27:16,130

similar they all stress academic freedom

641

00:27:21,190 --> 00:27:17,960

for teachers to teach a full range of

642

00:27:23,460 --> 00:27:21,200

views and so forth and so on they and

643

00:27:27,160 --> 00:27:23,470

who can argue the word freedom right

644

00:27:29,800 --> 00:27:27,170

critical thinking was that I'm critical

645

00:27:32,850 --> 00:27:29,810

thinking aren't you I am but now you've

646

00:27:34,870 --> 00:27:32,860

mentioned that didn't I here just lately

647

00:27:38,350 --> 00:27:34,880

something about the words critical

648

00:27:41,370 --> 00:27:38,360

thinking in Texas am i right um what

649

00:27:44,620 --> 00:27:41,380

you're hearing is a revelation that the

650

00:27:48,130 --> 00:27:44,630

Texas Republican Party state platform

651
00:27:50,980 --> 00:27:48,140
has a plank in it that's critical of

652
00:27:55,570 --> 00:27:50,990
critical thinking but the way it stated

653
00:27:57,880 --> 00:27:55,580
is very odd and it's it's probably not

654
00:28:01,690 --> 00:27:57,890
quite as awful as we'd like to believe

655
00:28:03,700 --> 00:28:01,700
okay in the sense that it's very

656
00:28:05,080 --> 00:28:03,710
frustrating what some of the political

657
00:28:07,300 --> 00:28:05,090
parties have done with science over the

658
00:28:10,000 --> 00:28:07,310
years and that would certainly be a very

659
00:28:11,800 --> 00:28:10,010
good example but I'm trying to remember

660
00:28:13,690 --> 00:28:11,810
exactly how it was worded I think well

661
00:28:16,300 --> 00:28:13,700
it did not bring glory to thee I think

662
00:28:19,030 --> 00:28:16,310
it takes if people just to run a search

663
00:28:20,260 --> 00:28:19,040

for Republican Party Texas and critical

664

00:28:23,050 --> 00:28:20,270

I'll probably find the reference i'm

665

00:28:25,000 --> 00:28:23,060

talking about but that that sort of

666

00:28:27,190 --> 00:28:25,010

brings up another point which only just

667

00:28:29,620 --> 00:28:27,200

occurred to me as you were speaking how

668

00:28:31,300 --> 00:28:29,630

would you gauge the last three and a

669

00:28:33,520 --> 00:28:31,310

half years of the change of

670

00:28:35,230 --> 00:28:33,530

administration in this country when we

671

00:28:37,180 --> 00:28:35,240

talk about science and science education

672

00:28:39,340 --> 00:28:37,190

has there been a difference have you

673

00:28:41,330 --> 00:28:39,350

noticed a difference in because everyone

674

00:28:45,170 --> 00:28:41,340

used to say all the republicans had this

675

00:28:47,990 --> 00:28:45,180

war on science right there's science and

676
00:28:52,160 --> 00:28:48,000
science education in terms of the

677
00:28:57,190 --> 00:28:52,170
various agencies in the United States

678
00:29:00,140 --> 00:28:57,200
that deal with science like energy and

679
00:29:02,720 --> 00:29:00,150
interior and there's lots and lots and

680
00:29:04,700 --> 00:29:02,730
lots of federal government agencies that

681
00:29:07,490 --> 00:29:04,710
employ scientists and where scientific

682
00:29:10,780 --> 00:29:07,500
work is done the US Geological Survey

683
00:29:13,820 --> 00:29:10,790
Fish and Game type people lots of stuff

684
00:29:16,100 --> 00:29:13,830
they are much happier because there's

685
00:29:19,160 --> 00:29:16,110
much less pressure to come up with the

686
00:29:20,960 --> 00:29:19,170
right answer really then this was one of

687
00:29:23,150 --> 00:29:20,970
the major criticisms of the previous

688
00:29:25,760 --> 00:29:23,160

administration there was political

689

00:29:27,830 --> 00:29:25,770

pressure on the products that these

690

00:29:30,890 --> 00:29:27,840

scientists in the civil service were

691

00:29:35,290 --> 00:29:30,900

directed to produce Environmental

692

00:29:37,670 --> 00:29:35,300

Protection Agency and just down the line

693

00:29:39,560 --> 00:29:37,680

that is not happening under the current

694

00:29:41,240 --> 00:29:39,570

administration which makes the

695

00:29:45,050 --> 00:29:41,250

scientists the Civil Service scientists

696

00:29:48,350 --> 00:29:45,060

feel much happier blow jobs in terms of

697

00:29:50,930 --> 00:29:48,360

science education that hasn't been much

698

00:29:53,480 --> 00:29:50,940

different because the federal government

699

00:29:56,150 --> 00:29:53,490

has hardly anything to do it curriculum

700

00:29:58,610 --> 00:29:56,160

right one one of the things that I

701
00:30:00,530 --> 00:29:58,620
always have to explain to people from

702
00:30:03,140 --> 00:30:00,540
outside the United States and many of

703
00:30:09,220 --> 00:30:03,150
your listeners obviously are is that we

704
00:30:11,180 --> 00:30:09,230
have a an amazingly decentralized

705
00:30:14,480 --> 00:30:11,190
education system compared to other

706
00:30:18,050 --> 00:30:14,490
developed countries basically we have

707
00:30:20,690 --> 00:30:18,060
the school district as the locus for

708
00:30:23,030 --> 00:30:20,700
decision making it's the district that

709
00:30:24,830 --> 00:30:23,040
decides who can teach there how much

710
00:30:27,470 --> 00:30:24,840
they're going to pay them what their job

711
00:30:30,950 --> 00:30:27,480
duties are etc etc the state can have

712
00:30:34,210 --> 00:30:30,960
some influence on how many hours a year

713
00:30:36,740 --> 00:30:34,220

a student has to be in class but you can

714

00:30:38,150 --> 00:30:36,750

change that for how many of the local

715

00:30:40,160 --> 00:30:38,160

district can decide how many hours per

716

00:30:41,960 --> 00:30:40,170

day etc there I mean there are health

717

00:30:43,850 --> 00:30:41,970

and safety kinds of regulations that the

718

00:30:46,640 --> 00:30:43,860

state can impose on it is right right

719

00:30:49,970 --> 00:30:46,650

but by and large the state doesn't have

720

00:30:52,670 --> 00:30:49,980

very much control over curriculum now

721

00:30:54,169 --> 00:30:52,680

ironically enough it was under

722

00:30:57,360 --> 00:30:54,179

Republican

723

00:31:01,140 --> 00:30:57,370

mr. bush the second the last two terms

724

00:31:03,000 --> 00:31:01,150

that he served where that had started to

725

00:31:06,240 --> 00:31:03,010

change and of course it's ironic because

726
00:31:08,700 --> 00:31:06,250
the Republicans are the are very strong

727
00:31:11,460 --> 00:31:08,710
proponents of this decentralized local

728
00:31:13,350 --> 00:31:11,470
control of education but it was really

729
00:31:18,260 --> 00:31:13,360
because of the advent of the No Child

730
00:31:22,260 --> 00:31:18,270
Left Behind education law of 2001 that

731
00:31:26,220 --> 00:31:22,270
required frequent testing of students at

732
00:31:31,830 --> 00:31:26,230
certain grade levels teachers referred

733
00:31:33,570 --> 00:31:31,840
to it as No Child Left untested and if

734
00:31:34,860 --> 00:31:33,580
you're going to test kids at regular

735
00:31:37,110 --> 00:31:34,870
intervals what are you going to test a

736
00:31:38,820 --> 00:31:37,120
month well the state science education

737
00:31:43,500 --> 00:31:38,830
or the state history of the state math

738
00:31:46,549 --> 00:31:43,510

education standards then sort of evolved

739

00:31:49,140 --> 00:31:46,559

from being largely advisory to being

740

00:31:51,090 --> 00:31:49,150

more mandatory sort of with a big thumb

741

00:31:54,480 --> 00:31:51,100

on the scale the local district could

742

00:31:56,520 --> 00:31:54,490

choose not to teach the state standards

743

00:31:58,770 --> 00:31:56,530

but their kids still had to be tested on

744

00:32:01,049 --> 00:31:58,780

the state standards so it behooves them

745

00:32:02,820 --> 00:32:01,059

to have the kids study with the kit what

746

00:32:04,590 --> 00:32:02,830

they were going to be tested on which

747

00:32:07,110 --> 00:32:04,600

means that the state standards became

748

00:32:09,900 --> 00:32:07,120

much more important locally so the

749

00:32:12,570 --> 00:32:09,910

standards movement which I fully support

750

00:32:14,940 --> 00:32:12,580

is started to get more traction

751
00:32:17,789 --> 00:32:14,950
ironically enough under the local

752
00:32:19,440 --> 00:32:17,799
control fans of the Bush administration

753
00:32:21,780 --> 00:32:19,450
but it's because of the No Child Left

754
00:32:24,720 --> 00:32:21,790
Behind frequent testing phenomenon that

755
00:32:27,659 --> 00:32:24,730
took place which is kind of amusing so

756
00:32:31,169 --> 00:32:27,669
where we are today actually is kind of

757
00:32:32,640 --> 00:32:31,179
interesting because again people have

758
00:32:34,860 --> 00:32:32,650
gotten used to the idea of State

759
00:32:38,340 --> 00:32:34,870
Standards and they don't freak out so

760
00:32:41,640 --> 00:32:38,350
badly as they used to and in English

761
00:32:43,880 --> 00:32:41,650
language arts and mathematics now as of

762
00:32:46,799 --> 00:32:43,890
the last couple of years there are

763
00:32:49,169 --> 00:32:46,809

national science education standards

764

00:32:53,580 --> 00:32:49,179

which have been voluntarily adopted

765

00:32:56,640 --> 00:32:53,590

really by 48 of the states Wow Texas and

766

00:32:59,490 --> 00:32:56,650

Alaska opted out Texas Alaska what a

767

00:33:02,220 --> 00:32:59,500

surprise why would imagine those well I

768

00:33:03,780 --> 00:33:02,230

never done but I'm thinking they're the

769

00:33:06,600 --> 00:33:03,790

two biggest states and they're so far

770

00:33:09,299 --> 00:33:06,610

apart what can listen well

771

00:33:11,730 --> 00:33:09,309

of course Alaska's big but it's not very

772

00:33:16,320 --> 00:33:11,740

populous that's true Texas is big and

773

00:33:18,360 --> 00:33:16,330

populous but many have it so so there's

774

00:33:21,360 --> 00:33:18,370

going to be some regularity and at least

775

00:33:24,150 --> 00:33:21,370

the instruction of mathematics and in

776

00:33:28,200 --> 00:33:24,160

English language arts across the 48

777

00:33:33,299 --> 00:33:28,210

states anyway 48 of the states and as we

778

00:33:35,640 --> 00:33:33,309

speak in July of 2012 there is currently

779

00:33:38,760 --> 00:33:35,650

under construction national science

780

00:33:43,830 --> 00:33:38,770

education standards sucker now these are

781

00:33:45,150 --> 00:33:43,840

standards that were initially the

782

00:33:46,560 --> 00:33:45,160

blueprint shall we say for these

783

00:33:49,950 --> 00:33:46,570

standards was developed by the National

784

00:33:52,289 --> 00:33:49,960

Academy of Sciences and the National

785

00:33:54,570 --> 00:33:52,299

Science Teachers Association so they had

786

00:33:56,460 --> 00:33:54,580

blue ribbon panels kind of writing these

787

00:33:57,990 --> 00:33:56,470

this this is the these are the

788

00:34:03,810 --> 00:33:58,000

parameters you need to consider and then

789

00:34:06,270 --> 00:34:03,820

that framework was given to a nonprofit

790

00:34:08,250 --> 00:34:06,280

organization to actually put pen to

791

00:34:11,220 --> 00:34:08,260

paper and construct the actual standards

792

00:34:14,639 --> 00:34:11,230

for each grade and the content and so

793

00:34:16,889 --> 00:34:14,649

forth so it's very interesting because

794

00:34:21,649 --> 00:34:16,899

the math and English language arts

795

00:34:25,320 --> 00:34:21,659

standards were adopted quite quickly by

796

00:34:27,720 --> 00:34:25,330

vast majority of states the science

797

00:34:30,389 --> 00:34:27,730

education standards have only been

798

00:34:31,649 --> 00:34:30,399

signed on to it shall we say and of

799

00:34:36,359 --> 00:34:31,659

course they haven't been finished yet

800

00:34:38,970 --> 00:34:36,369

but there are only 27 states that have

801

00:34:40,889 --> 00:34:38,980

expressed an interest in helping to

802

00:34:42,480 --> 00:34:40,899

develop national science education

803

00:34:45,149 --> 00:34:42,490

standards and then they would presumably

804

00:34:48,119 --> 00:34:45,159

adopt them and once they are developed

805

00:34:49,980 --> 00:34:48,129

and they can we predict on the map where

806

00:34:52,889 --> 00:34:49,990

some of these kids might be or is it yes

807

00:34:54,629 --> 00:34:52,899

not really not really because it's sort

808

00:34:57,420 --> 00:34:54,639

of varies i mean it they are kind of all

809

00:34:59,120 --> 00:34:57,430

over the map and I mean I I don't want

810

00:35:02,460 --> 00:34:59,130

to make too big a point of this because

811

00:35:04,070 --> 00:35:02,470

these are all multivariate browse right

812

00:35:08,340 --> 00:35:04,080

and so there's always more than one

813

00:35:10,080 --> 00:35:08,350

causative variable but I mean some

814

00:35:11,550 --> 00:35:10,090

states might be very interested in the

815

00:35:15,780 --> 00:35:11,560

standards but just didn't have the money

816

00:35:17,220 --> 00:35:15,790

to sort of direct staff to spend time

817

00:35:19,200 --> 00:35:17,230

doing this rather than doing something

818

00:35:22,809 --> 00:35:19,210

else that because you know

819

00:35:25,420 --> 00:35:22,819

but I firmly believe that a lot of

820

00:35:27,279 --> 00:35:25,430

states are kind of hanging back on the

821

00:35:29,470 --> 00:35:27,289

science ed standards even though they

822

00:35:32,339 --> 00:35:29,480

signed up on math and they signed up on

823

00:35:34,750 --> 00:35:32,349

English language they're holding back on

824

00:35:35,859 --> 00:35:34,760

science standards because they want to

825

00:35:37,950 --> 00:35:35,869

see what they're going to do with

826

00:35:41,380 --> 00:35:37,960

evolution and with climate change

827

00:35:43,599 --> 00:35:41,390

because those are the touchy issues and

828

00:35:46,120 --> 00:35:43,609

of course the framework that the

829

00:35:49,180 --> 00:35:46,130

National Academy came out with is very

830

00:35:51,220 --> 00:35:49,190

strong on evolution and it's got climate

831

00:35:53,349 --> 00:35:51,230

change scattered throughout I mean it

832

00:35:58,180 --> 00:35:53,359

both of these topics are treated in a

833

00:36:02,470 --> 00:35:58,190

very responsible manner now I've I have

834

00:36:05,769 --> 00:36:02,480

seen the drafts of the the first draft

835

00:36:07,680 --> 00:36:05,779

of the science education standards as

836

00:36:09,640 --> 00:36:07,690

they've come out of this nonprofit

837

00:36:13,390 --> 00:36:09,650

organization that's constructing them

838

00:36:18,630 --> 00:36:13,400

it's not a secret I mean they have been

839

00:36:22,900 --> 00:36:21,309

Mark McCaffrey is much happier with the

840

00:36:24,069 --> 00:36:22,910

treatment of climate change than I am

841

00:36:26,440 --> 00:36:24,079

with the treatment of everything oh

842

00:36:29,799 --> 00:36:26,450

really yeah number of things that they

843

00:36:32,710 --> 00:36:29,809

have to fix but with climate change for

844

00:36:34,150 --> 00:36:32,720

example there are lots of references to

845

00:36:36,760 --> 00:36:34,160

global warming there's lots of

846

00:36:38,890 --> 00:36:36,770

references to principles and concepts of

847

00:36:40,359 --> 00:36:38,900

climate change and this is a middle

848

00:36:42,789 --> 00:36:40,369

school that's in high school it's an

849

00:36:44,980 --> 00:36:42,799

earth science it's in ecology and

850

00:36:46,779 --> 00:36:44,990

biology so you know it's nicely

851
00:36:50,019 --> 00:36:46,789
distributed throughout is the argument

852
00:36:52,059 --> 00:36:50,029
coming up from the opponents of climate

853
00:36:54,490 --> 00:36:52,069
change that oh it's just a theory are

854
00:36:57,640 --> 00:36:54,500
they using that line you know it's that

855
00:37:01,180 --> 00:36:57,650
they're not using that line but they're

856
00:37:04,000 --> 00:37:01,190
using the basic concept that oh it's

857
00:37:06,730 --> 00:37:04,010
it's not valid science so it's only just

858
00:37:08,410 --> 00:37:06,740
the some scientists think well then that

859
00:37:11,620 --> 00:37:08,420
sort of thing that's like and what's

860
00:37:13,660 --> 00:37:11,630
rather upsetting about the anti global

861
00:37:17,400 --> 00:37:13,670
warming that the climate the climate

862
00:37:19,990 --> 00:37:17,410
change denial ists if you will is the

863
00:37:22,750 --> 00:37:20,000

the ad hominem attacks against

864

00:37:24,640 --> 00:37:22,760

scientists that's nothing new is it yeah

865

00:37:27,670 --> 00:37:24,650

well but it's it's particularly vicious

866

00:37:30,270 --> 00:37:27,680

I agree I agree I mean I know there's

867

00:37:32,580 --> 00:37:30,280

people have been very strongly motivated

868

00:37:36,090 --> 00:37:32,590

passions run high and many issues but on

869

00:37:38,490 --> 00:37:36,100

this issue it's why I suppose I normally

870

00:37:40,170 --> 00:37:38,500

don't bring it up on the skeptics are

871

00:37:44,250 --> 00:37:40,180

not very much as my listeners know

872

00:37:45,990 --> 00:37:44,260

because that the vile venom and and the

873

00:37:49,200 --> 00:37:46,000

the frothing of the mouths of some

874

00:37:51,060 --> 00:37:49,210

people I don't understand it I don't get

875

00:37:54,390 --> 00:37:51,070

that kind of passion for something like

876

00:37:57,390 --> 00:37:54,400

this when I was talking about the the ad

877

00:38:02,070 --> 00:37:57,400

hominem remarks I was thinking

878

00:38:05,160 --> 00:38:02,080

specifically of the claims that oh those

879

00:38:07,800 --> 00:38:05,170

climate scientists who are promoting the

880

00:38:09,600 --> 00:38:07,810

hoax of global warming they're just

881

00:38:10,860 --> 00:38:09,610

doing it to keep the research bucks

882

00:38:12,300 --> 00:38:10,870

that's it that's it that's where they

883

00:38:14,070 --> 00:38:12,310

get their money they have to do this to

884

00:38:16,530 --> 00:38:14,080

you so there and they know it's not true

885

00:38:18,030 --> 00:38:16,540

but they're doing it anyway they serve

886

00:38:19,770 --> 00:38:18,040

others and of course the same thing was

887

00:38:21,750 --> 00:38:19,780

said about evolution which was even more

888

00:38:22,980 --> 00:38:21,760

hilarious of course because you know if

889

00:38:26,670 --> 00:38:22,990

you really want to go into big bucks

890

00:38:32,550 --> 00:38:26,680

become a paleontologist right this is

891

00:38:35,280 --> 00:38:32,560

your key to wealth important happen

892

00:38:36,690 --> 00:38:35,290

that's right but so you know we'll be on

893

00:38:39,030 --> 00:38:36,700

the floor whenever we'd hear that with

894

00:38:42,440 --> 00:38:39,040

evolution now granted there is more

895

00:38:44,960 --> 00:38:42,450

federal research money that goes into

896

00:38:48,210 --> 00:38:44,970

climate prediction climate modeling

897

00:38:50,700 --> 00:38:48,220

because it's really important if you're

898

00:38:53,130 --> 00:38:50,710

going to grow crops in the Midwest hmm

899

00:38:55,260 --> 00:38:53,140

right you need to know what weather

900

00:38:59,180 --> 00:38:55,270

patterns are likely to be happening in

901
00:39:01,890 --> 00:38:59,190
the next five years because that may

902
00:39:03,540 --> 00:39:01,900
have a very strong influence on what

903
00:39:06,270 --> 00:39:03,550
kinds of crops you might advise from

904
00:39:07,650 --> 00:39:06,280
just a row and do you I mean we need to

905
00:39:10,650 --> 00:39:07,660
know whether this is happening there's

906
00:39:14,490 --> 00:39:10,660
some very important the military needs

907
00:39:19,290 --> 00:39:14,500
to know about climate change and because

908
00:39:23,790 --> 00:39:19,300
if indeed the the predictions are even

909
00:39:26,790 --> 00:39:23,800
only half as dire as the mainstream

910
00:39:28,260 --> 00:39:26,800
predictions are promoting that means

911
00:39:31,140 --> 00:39:28,270
that there's going to be massive

912
00:39:34,080 --> 00:39:31,150
population movements over the next ten

913
00:39:36,330 --> 00:39:34,090

years and that means a much there will

914

00:39:38,220 --> 00:39:36,340

be refugees going into other countries

915

00:39:41,670 --> 00:39:38,230

there's going to be a lot of disruption

916

00:39:43,320 --> 00:39:41,680

in many parts of the world and how is

917

00:39:46,920 --> 00:39:43,330

this going to affect

918

00:39:50,250 --> 00:39:46,930

the security of the United States and so

919

00:39:51,450 --> 00:39:50,260

what's ironic is that although the US

920

00:39:53,370 --> 00:39:51,460

military is generally considered

921

00:39:54,750 --> 00:39:53,380

considered a fairly conservative

922

00:39:56,760 --> 00:39:54,760

institution and it is a conservative

923

00:39:59,370 --> 00:39:56,770

institution they haven't become a bunch

924

00:40:01,170 --> 00:39:59,380

of you know wild ideas there's not a lot

925

00:40:06,480 --> 00:40:01,180

of pot smoking going on in the bennigan

926

00:40:09,330 --> 00:40:06,490

um they they are probably the

927

00:40:12,470 --> 00:40:09,340

institution that is taking the most

928

00:40:16,620 --> 00:40:12,480

serious look at lyman changing you find

929

00:40:19,140 --> 00:40:16,630

lots of research money and the Pentagon

930

00:40:23,910 --> 00:40:19,150

seems that a lot of money being poured

931

00:40:25,800 --> 00:40:23,920

into alternate fuels because they you

932

00:40:29,820 --> 00:40:25,810

know they realize that many parts of the

933

00:40:31,110 --> 00:40:29,830

world where we get oil are unstable and

934

00:40:33,060 --> 00:40:31,120

they're going to become more unstable if

935

00:40:35,490 --> 00:40:33,070

there's famines and droughts and the

936

00:40:37,800 --> 00:40:35,500

lack of water is you know waters the

937

00:40:40,080 --> 00:40:37,810

next oil is people keep saying that is

938

00:40:42,030 --> 00:40:40,090

going to be the Liebig minimum of the

939

00:40:44,340 --> 00:40:42,040

resources that we're going to need mmm

940

00:40:47,430 --> 00:40:44,350

if the glaciers melt in the Himalayas

941

00:40:50,310 --> 00:40:47,440

the people downstream and Pakistan and

942

00:40:52,230 --> 00:40:50,320

India are going to be in really bad

943

00:40:55,080 --> 00:40:52,240

shape and monsoon season because that's

944

00:40:57,660 --> 00:40:55,090

where they get their water similarly as

945

00:41:00,450 --> 00:40:57,670

the planet warms the oceans are the

946

00:41:01,800 --> 00:41:00,460

primary heat sink for for the warmth I

947

00:41:05,100 --> 00:41:01,810

mean there's already been a huge amount

948

00:41:07,260 --> 00:41:05,110

of warmth that is come into the planet

949

00:41:09,840 --> 00:41:07,270

over the last 100 years 200 years and

950

00:41:13,050 --> 00:41:09,850

most of its gone into the oceans mmm

951
00:41:15,750 --> 00:41:13,060
well when the oceans absorb heat they

952
00:41:18,780 --> 00:41:15,760
expand and if there's going to be more

953
00:41:20,820 --> 00:41:18,790
absorption of heat by the oceans which

954
00:41:22,860 --> 00:41:20,830
is predicted that not as toasty as they

955
00:41:25,500 --> 00:41:22,870
could get that means that coastlines are

956
00:41:27,270 --> 00:41:25,510
going to change and where do most human

957
00:41:29,910 --> 00:41:27,280
beings live especially in places like

958
00:41:32,100 --> 00:41:29,920
Pakistan and India and Australia and

959
00:41:34,890 --> 00:41:32,110
Australia yeah you guys are going to

960
00:41:37,320 --> 00:41:34,900
recursively host yeah that's right so

961
00:41:40,440 --> 00:41:37,330
the US military is looking very

962
00:41:42,660 --> 00:41:40,450
seriously at alternate fuels so that

963
00:41:49,940 --> 00:41:42,670

they can continue to service the troops

964

00:41:52,350 --> 00:41:49,950

in places where there may be problems of

965

00:41:55,040 --> 00:41:52,360

human migration due to climate change

966

00:41:58,400 --> 00:41:55,050

and desperation and lack of water and so

967

00:42:01,160 --> 00:41:58,410

yeah well you have got your your plate

968

00:42:03,200 --> 00:42:01,170

full Jeanie your cup is full your plate

969

00:42:06,260 --> 00:42:03,210

is full oh heck I thought we could quit

970

00:42:07,940 --> 00:42:06,270

next month oh I guess we'll just stay in

971

00:42:10,970 --> 00:42:07,950

business then I thank you ever pointing

972

00:42:14,030 --> 00:42:10,980

that it I think you should I really

973

00:42:15,890 --> 00:42:14,040

think you should um well it's it's just

974

00:42:17,780 --> 00:42:15,900

my absolute pleasure to visit you

975

00:42:20,090 --> 00:42:17,790

whenever I can and I'm so grateful that

976
00:42:21,530 --> 00:42:20,100
you give me time every time so we can

977
00:42:23,390 --> 00:42:21,540
have a chat and I'm sure our listeners

978
00:42:25,190 --> 00:42:23,400
really appreciate your insights well

979
00:42:27,800 --> 00:42:25,200
it's such a fun show and I love being

980
00:42:35,370 --> 00:42:27,810
out up with you so y'all stop by again

981
00:42:43,059 --> 00:42:39,339
hey Kenny oh hi Tom I save this part

982
00:42:45,490 --> 00:42:43,069
yeah yes great weather oh look a unicorn

983
00:42:48,670 --> 00:42:45,500
unicorn there are no such things as

984
00:42:50,890 --> 00:42:48,680
unicorns silly yes there is no there

985
00:42:53,980 --> 00:42:50,900
isn't hey guys what are you arguing

986
00:42:56,740 --> 00:42:53,990
about tom thinks unicorns are real say

987
00:42:59,470 --> 00:42:56,750
so our let's look us up in the skeptics

988
00:43:01,599 --> 00:42:59,480

dictionary now what how can we do this

989

00:43:03,250 --> 00:43:01,609

in this park there is the computer here

990

00:43:05,349 --> 00:43:03,260

you guys probably don't know about the

991

00:43:08,230 --> 00:43:05,359

skeptics dictionary app available now

992

00:43:11,710 --> 00:43:08,240

for iPhone iPad and iPod touch in the

993

00:43:13,599 --> 00:43:11,720

app store Wow cool the app lets you

994

00:43:15,280 --> 00:43:13,609

access all of the great skeptics

995

00:43:18,640 --> 00:43:15,290

dictionary articles when you're on the

996

00:43:21,490 --> 00:43:18,650

go here let me look up unicorns now cool

997

00:43:23,440 --> 00:43:21,500

Kenny prepare to be proven wrong it says

998

00:43:27,309 --> 00:43:23,450

here the Unicorn is a creature from

999

00:43:28,809 --> 00:43:27,319

fables aha actually I see now that

1000

00:43:31,599 --> 00:43:28,819

someone just dumped their ice cream cone

1001
00:43:36,760 --> 00:43:31,609
on that horse's head thanks skeptics

1002
00:43:44,730 --> 00:43:41,540
here's Maynard spooky action at a

1003
00:43:51,190 --> 00:43:48,160
well as I look out from the casino here

1004
00:43:53,500 --> 00:43:51,200
I see a vast wasteland with no cultural

1005
00:43:56,050 --> 00:43:53,510
identity whatsoever and as I turn around

1006
00:43:58,030 --> 00:43:56,060
I see dr. Richie dr. Reggie how are you

1007
00:44:01,120 --> 00:43:58,040
here you've got a fantastic view their

1008
00:44:03,310 --> 00:44:01,130
of the sort of tumbleweeds yeah there's

1009
00:44:05,770 --> 00:44:03,320
not much to see out my window well

1010
00:44:07,690 --> 00:44:05,780
there's there are some big mountains but

1011
00:44:09,819 --> 00:44:07,700
in between that is desert may not

1012
00:44:11,530 --> 00:44:09,829
because we're in the desert aren't we we

1013
00:44:13,000 --> 00:44:11,540

are and actually what River do we get

1014

00:44:14,310 --> 00:44:13,010

our water from is that the mighty

1015

00:44:16,870 --> 00:44:14,320

Colorado coming through the Hoover Dam

1016

00:44:19,359 --> 00:44:16,880

it is the Hoover Dam in fact the Hoover

1017

00:44:22,480 --> 00:44:19,369

Dam was specifically built to provide

1018

00:44:24,310 --> 00:44:22,490

water to Las Vegas because building a

1019

00:44:26,710 --> 00:44:24,320

casino town in the middle of a desert

1020

00:44:28,450 --> 00:44:26,720

was a pretty silly thing to do since

1021

00:44:29,950 --> 00:44:28,460

there's no water so they had to build

1022

00:44:31,690 --> 00:44:29,960

their own water supply and that was the

1023

00:44:34,089 --> 00:44:31,700

hoover dam which I think was built in

1024

00:44:37,180 --> 00:44:34,099

the 30s I think but I'm not a historian

1025

00:44:40,329 --> 00:44:37,190

yeah but you have been on the strip and

1026

00:44:42,160 --> 00:44:40,339

downtown I have in fact a couple of

1027

00:44:44,170 --> 00:44:42,170

lovely folk took me down to the strip

1028

00:44:46,210 --> 00:44:44,180

today and we in fact drove all the way

1029

00:44:48,220 --> 00:44:46,220

through the strip and out to the suburbs

1030

00:44:50,290 --> 00:44:48,230

of vegas which was really interesting

1031

00:44:53,680 --> 00:44:50,300

because as you said i had passed the

1032

00:44:55,599 --> 00:44:53,690

strip there are big estate communities

1033

00:44:58,480 --> 00:44:55,609

where all the houses are exactly the

1034

00:45:00,520 --> 00:44:58,490

same and then there'll be a kilometer of

1035

00:45:02,230 --> 00:45:00,530

nothing and then you come over a hill

1036

00:45:04,569 --> 00:45:02,240

and there's another big estate of houses

1037

00:45:06,370 --> 00:45:04,579

that all look the same and the person i

1038

00:45:08,829 --> 00:45:06,380

was with used to live in vegas and she

1039

00:45:11,559 --> 00:45:08,839

said that as a teenager growing up it

1040

00:45:13,690 --> 00:45:11,569

was awkward if you were drunk in Vegas

1041

00:45:17,950 --> 00:45:13,700

because why because everyone is well I

1042

00:45:19,450 --> 00:45:17,960

know better I'm up my face right now but

1043

00:45:21,339 --> 00:45:19,460

in the suburbs because all the houses

1044

00:45:23,559 --> 00:45:21,349

look the same if you were drunk you

1045

00:45:24,880 --> 00:45:23,569

didn't know which one was yours okay but

1046

00:45:26,710 --> 00:45:24,890

it's Vegas people put up of the night

1047

00:45:28,240 --> 00:45:26,720

well that's true I guess I don't know

1048

00:45:31,120 --> 00:45:28,250

what it's like it and look over there on

1049

00:45:33,099 --> 00:45:31,130

that farce and June I can see a guy with

1050

00:45:34,510 --> 00:45:33,109

a backpack and some googly glasses

1051
00:45:36,579 --> 00:45:34,520
that's Richard Saunders making his way

1052
00:45:38,020 --> 00:45:36,589
towards us yes I think he's making his

1053
00:45:41,200 --> 00:45:38,030
way towards us but he might be in the

1054
00:45:43,000 --> 00:45:41,210
sky with the aliens i'm not sure but he

1055
00:45:45,370 --> 00:45:43,010
was actually doing an auto to the

1056
00:45:47,500 --> 00:45:45,380
Thunder from Down Under but I think he

1057
00:45:49,599 --> 00:45:47,510
was yeah he was he was just playing the

1058
00:45:51,550 --> 00:45:49,609
part of the down under yes he was i

1059
00:45:53,440 --> 00:45:51,560
think so in one of the casinos i think

1060
00:45:55,660 --> 00:45:53,450
i'm not sure which one yeah yeah

1061
00:45:57,280 --> 00:45:55,670
interesting people I've met Playboy

1062
00:46:00,070 --> 00:45:57,290
Playmate 1999

1063
00:46:01,900 --> 00:46:00,080

apparently then down the bar earlier and

1064

00:46:04,060 --> 00:46:01,910

the reason for that is because describe

1065

00:46:05,440 --> 00:46:04,070

my shirt to the listener yes well may

1066

00:46:07,780 --> 00:46:05,450

night is wearing a lovely number this

1067

00:46:10,500 --> 00:46:07,790

evening it is a Playboy shirt which i

1068

00:46:13,330 --> 00:46:10,510

think is in celebration of 20 years of

1069

00:46:15,370 --> 00:46:13,340

labor it might even be 50 years or

1070

00:46:16,600 --> 00:46:15,380

something cuz there's some 60s there and

1071

00:46:17,860 --> 00:46:16,610

that and she was bit disappointed cuz

1072

00:46:21,670 --> 00:46:17,870

she was nineteen ninety-nine there's

1073

00:46:23,440 --> 00:46:21,680

only goes to 1995 and yes I yeah what

1074

00:46:26,410 --> 00:46:23,450

you're actually wearing is all the front

1075

00:46:28,150 --> 00:46:26,420

covers in a little pattern all over your

1076

00:46:30,700 --> 00:46:28,160

shirt with all the lovely ladies going

1077

00:46:31,780 --> 00:46:30,710

back 50 years I'm it's gonna wit because

1078

00:46:33,670 --> 00:46:31,790

you'll be standing somewhere and you'll

1079

00:46:35,710 --> 00:46:33,680

have people behind you going oh I got

1080

00:46:37,090 --> 00:46:35,720

that one look at that all right I got

1081

00:46:39,820 --> 00:46:37,100

that one and they're never talking about

1082

00:46:41,860 --> 00:46:39,830

me right does that happen in do that

1083

00:46:44,770 --> 00:46:41,870

what happen in vegas not in you know

1084

00:46:46,450 --> 00:46:44,780

newcastle what it may not look lots of

1085

00:46:48,250 --> 00:46:46,460

stuff happens in your castle newcastle

1086

00:46:50,170 --> 00:46:48,260

west i will not hear a word against it

1087

00:46:52,060 --> 00:46:50,180

okay i won't we won't talk about it

1088

00:46:53,770 --> 00:46:52,070

we're here to in vegas to celebrate town

1089

00:46:55,360 --> 00:46:53,780

so we won't talk about Newcastle shall

1090

00:46:57,280 --> 00:46:55,370

we know what are you doing there you've

1091

00:46:58,660 --> 00:46:57,290

got your um your browser open and you're

1092

00:47:00,130 --> 00:46:58,670

mainly looking at like pictures of like

1093

00:47:01,240 --> 00:47:00,140

really cut soccer players but I

1094

00:47:03,700 --> 00:47:01,250

shouldn't you be doing something about

1095

00:47:05,230 --> 00:47:03,710

here talk yeah no I'm just tweaking my

1096

00:47:07,440 --> 00:47:05,240

talk I'm doing a workshop tomorrow

1097

00:47:10,090 --> 00:47:07,450

afternoon or tomorrow morning actually

1098

00:47:11,650 --> 00:47:10,100

and I'm you know that thing where the

1099

00:47:13,360 --> 00:47:11,660

last minute before you present you know

1100

00:47:14,560 --> 00:47:13,370

I just read that thing the other day on

1101

00:47:17,110 --> 00:47:14,570

the internet I better add that to my

1102

00:47:18,640 --> 00:47:17,120

talk so I'm in that phase right now and

1103

00:47:20,920 --> 00:47:18,650

you're doing a dr. Harriet halt who I am

1104

00:47:22,930 --> 00:47:20,930

yes it's a workshop with dr. Harriet

1105

00:47:25,540 --> 00:47:22,940

whole dr. Steven novella and dr. David

1106

00:47:27,520 --> 00:47:25,550

Gorski and we're talking about diagnosis

1107

00:47:29,680 --> 00:47:27,530

by dr. google and how to find reliable

1108

00:47:31,420 --> 00:47:29,690

health information on the internet now

1109

00:47:33,040 --> 00:47:31,430

dr. Steve novella of course skeptics

1110

00:47:35,380 --> 00:47:33,050

guide to the University senior ologist

1111

00:47:38,320 --> 00:47:35,390

he is a neurologist yes that means he's

1112

00:47:40,450 --> 00:47:38,330

extremely paranoid about medicine um yes

1113

00:47:42,490 --> 00:47:40,460

if that you could interpret it that way

1114

00:47:44,020 --> 00:47:42,500

or he could do stuff to do with the

1115

00:47:45,400 --> 00:47:44,030

brain and the central nervous system

1116

00:47:47,350 --> 00:47:45,410

because I try it when he was in

1117

00:47:50,050 --> 00:47:47,360

Australia I tried to get him to find out

1118

00:47:51,580 --> 00:47:50,060

if neurologist looked down on thoracic

1119

00:47:53,500 --> 00:47:51,590

surgeons who looked down on

1120

00:47:55,570 --> 00:47:53,510

dermatologists what the pecking order is

1121

00:47:56,860 --> 00:47:55,580

you reckon that's true or not I don't

1122

00:47:58,780 --> 00:47:56,870

know who did you get him to answer that

1123

00:48:01,680 --> 00:47:58,790

question may not know he wouldn't answer

1124

00:48:04,870 --> 00:48:01,690

it but he did talk about quantum

1125

00:48:06,430 --> 00:48:04,880

entanglement he did did he well and the

1126

00:48:08,080 --> 00:48:06,440

great thing is I've actually got an

1127

00:48:09,329 --> 00:48:08,090

interview with a las vegas cab driver

1128

00:48:11,489 --> 00:48:09,339

talking about quantum

1129

00:48:13,469 --> 00:48:11,499

engelmann after I'd been to the Penn &

1130

00:48:15,989 --> 00:48:13,479

Teller show and after I've had quite a

1131

00:48:18,089 --> 00:48:15,999

few drinks so I could not remember

1132

00:48:19,380 --> 00:48:18,099

quanta meant I could remember spooky

1133

00:48:20,910 --> 00:48:19,390

action at a distance which is what

1134

00:48:23,219 --> 00:48:20,920

Einstein called it but I could not

1135

00:48:24,749 --> 00:48:23,229

remember quantum entanglement and could

1136

00:48:26,789 --> 00:48:24,759

anyone remember that after like five or

1137

00:48:28,349 --> 00:48:26,799

six drinks I probably not I mean all

1138

00:48:30,059 --> 00:48:28,359

these days all you have to say is Higgs

1139

00:48:32,640 --> 00:48:30,069

boson and that's it you know everything

1140

00:48:34,410 --> 00:48:32,650

about physics right now does it actually

1141

00:48:35,999 --> 00:48:34,420

in the shape of a cross I've seen a bit

1142

00:48:37,650 --> 00:48:36,009

of stuff on Twitter from Christians

1143

00:48:40,079 --> 00:48:37,660

saying that the Higgs boson particle is

1144

00:48:44,009 --> 00:48:40,089

in the shape of a cross no doubt I don't

1145

00:48:47,339 --> 00:48:44,019

think so nobody knows that it's it's a

1146

00:48:50,039 --> 00:48:47,349

bit penis in a spectrum of noise it

1147

00:48:52,079 --> 00:48:50,049

doesn't have a shape it's it I don't

1148

00:48:53,309 --> 00:48:52,089

think that's true well the thing I'm

1149

00:48:54,989 --> 00:48:53,319

hoping to again I'm looking out the

1150

00:48:57,839 --> 00:48:54,999

window because I don't like standing a

1151

00:48:59,279 --> 00:48:57,849

dr. Reggie basically I really like the

1152

00:49:01,410 --> 00:48:59,289

fact that we may be living in a universe

1153

00:49:03,900 --> 00:49:01,420

there's a projection of a hologram from

1154

00:49:08,279 --> 00:49:03,910

outside our universe based on some black

1155

00:49:10,469 --> 00:49:08,289

hole studies huh you expect me to

1156

00:49:12,299 --> 00:49:10,479

address that comment yeah well yeah look

1157

00:49:14,910 --> 00:49:12,309

I'm going with it but one thing there's

1158

00:49:17,430 --> 00:49:14,920

been three or four chem trails over Las

1159

00:49:20,370 --> 00:49:17,440

Vegas already or as they're now known

1160

00:49:21,900 --> 00:49:20,380

persistent jet contrails right yes and

1161

00:49:23,009 --> 00:49:21,910

you took photographic evidence of those

1162

00:49:24,660 --> 00:49:23,019

didn't you may not so they actually

1163

00:49:27,690 --> 00:49:24,670

happened I've seen the evidence they

1164

00:49:31,319 --> 00:49:27,700

were there now cuz the big names here

1165

00:49:33,299 --> 00:49:31,329

this week will be a stunning Danny Arab

1166

00:49:35,999 --> 00:49:33,309

where is Dunning darling should be

1167

00:49:38,130 --> 00:49:36,009

coming her ab is emceeding so he'll be

1168

00:49:40,140 --> 00:49:38,140

here definitely LeBron darling actually

1169

00:49:42,839 --> 00:49:40,150

drove a cab over so soon as his chief

1170

00:49:44,819 --> 00:49:42,849

knocks off he'll be here oh yeah he's

1171

00:49:46,680 --> 00:49:44,829

like that he's got about five jobs no

1172

00:49:48,059 --> 00:49:46,690

one last question because you got like

1173

00:49:49,380 --> 00:49:48,069

really heavy work through there looking

1174

00:49:52,410 --> 00:49:49,390

at these cuts soccer players you've got

1175

00:49:53,940 --> 00:49:52,420

there oh now what how would you describe

1176

00:49:55,799 --> 00:49:53,950

this for people haven't been here what's

1177

00:49:57,329 --> 00:49:55,809

it like I mean I just got here and I

1178

00:49:59,120 --> 00:49:57,339

haven't bumped into too many people that

1179

00:50:01,650 --> 00:49:59,130

are gone he may not mainly bumped into

1180

00:50:03,059 --> 00:50:01,660

1999 playboy bunnies in the bar the

1181

00:50:05,400 --> 00:50:03,069

thing with you Maynard you have some

1182

00:50:07,620 --> 00:50:05,410

sort of I don't know force around you

1183

00:50:10,200 --> 00:50:07,630

that manages to attract 1995 playboy

1184

00:50:12,299 --> 00:50:10,210

bunnies to the bar yeah never any newer

1185

00:50:15,089 --> 00:50:12,309

than that never sixties ones just 1995

1186

00:50:18,870 --> 00:50:15,099

for some reason to explain what this is

1187

00:50:20,609 --> 00:50:18,880

like it's obviously Vegas is the strip

1188

00:50:22,289 --> 00:50:20,619

that everyone's familiar with from

1189

00:50:23,190 --> 00:50:22,299

seeing it in movies and then turn on the

1190

00:50:25,440 --> 00:50:23,200

television

1191

00:50:27,270 --> 00:50:25,450

but what many people may not know is

1192

00:50:29,160 --> 00:50:27,280

that there are other casinos scattered

1193

00:50:30,599 --> 00:50:29,170

around kind of like I don't know you

1194

00:50:32,190 --> 00:50:30,609

wouldn't call them second great but

1195

00:50:34,260 --> 00:50:32,200

they're cheaper and there would be

1196

00:50:36,089 --> 00:50:34,270

further out of the city and some of them

1197

00:50:38,849 --> 00:50:36,099

are a little bit tattered and falling

1198

00:50:41,930 --> 00:50:38,859

down and old the south point is this

1199

00:50:45,089 --> 00:50:41,940

huge building in the middle of Suburbia

1200

00:50:48,450 --> 00:50:45,099

surrounded by empty fields with a few

1201
00:50:52,920 --> 00:50:48,460
houses and it's it's covered in a gold

1202
00:50:55,079 --> 00:50:52,930
sort of sheer so it glitters so from a

1203
00:50:59,460 --> 00:50:55,089
distance you see this glittering mass in

1204
00:51:01,740 --> 00:50:59,470
front of you it's very very cheesy and

1205
00:51:03,390 --> 00:51:01,750
yeah it's broke Vegas I'm about to go

1206
00:51:05,870 --> 00:51:03,400
down to the bowels of this building and

1207
00:51:10,290 --> 00:51:05,880
talk to a DJ Grothe now is he like

1208
00:51:11,640 --> 00:51:10,300
dubstep acid house what sort of djz I

1209
00:51:15,930 --> 00:51:11,650
think he's like from the Madchester

1210
00:51:17,130 --> 00:51:15,940
period saris a bit sort of ecstasy you

1211
00:51:18,510 --> 00:51:17,140
know that so it's going to be playing

1212
00:51:20,490 --> 00:51:18,520
it's going to be wearing flares and

1213
00:51:22,410 --> 00:51:20,500

playing some stone roses I think so yeah

1214

00:51:24,569 --> 00:51:22,420

yeah you're into that may know that's

1215

00:51:25,950 --> 00:51:24,579

your era okay well I'm gonna go down and

1216

00:51:28,079 --> 00:51:25,960

make a complete fool of myself just

1217

00:51:29,700 --> 00:51:28,089

someone fairly high up in the J ref yeah

1218

00:51:35,250 --> 00:51:29,710

he's just the president don't worry I'm

1219

00:51:36,720 --> 00:51:35,260

sure he won't mind hello because I

1220

00:51:38,190 --> 00:51:36,730

Richard you see you as well and let me

1221

00:51:39,750 --> 00:51:38,200

tell you it's been a busy weekend here

1222

00:51:41,160 --> 00:51:39,760

at tam and we're only just getting this

1223

00:51:43,079 --> 00:51:41,170

sort of an episode outer you're really

1224

00:51:44,700 --> 00:51:43,089

good you're too busy doing that super

1225

00:51:46,349 --> 00:51:44,710

backroom networking that you skeptics

1226
00:51:48,660 --> 00:51:46,359
get up to whatever that is black ops or

1227
00:51:50,849 --> 00:51:48,670
something I guess if I told you I'd have

1228
00:51:53,010 --> 00:51:50,859
to kill you the odds expression yeah

1229
00:51:54,450 --> 00:51:53,020
we're always busy at am but at the

1230
00:51:56,849 --> 00:51:54,460
moment we're having a great time because

1231
00:51:58,500 --> 00:51:56,859
dr. HD and I are here at the Australian

1232
00:52:00,569 --> 00:51:58,510
skeptics table helping to promote the

1233
00:52:03,059 --> 00:52:00,579
convention and helping to promote the

1234
00:52:05,010 --> 00:52:03,069
skeptic magazine and look the listeners

1235
00:52:06,270 --> 00:52:05,020
will be glad to know that already are

1236
00:52:08,760 --> 00:52:06,280
only about halfway through and I've

1237
00:52:12,420 --> 00:52:08,770
recorded over 60 interviews already in

1238
00:52:15,839 --> 00:52:12,430

fact 1.3 gig of information I've report

1239

00:52:18,000 --> 00:52:15,849

already day 19 arms I know about being a

1240

00:52:19,470 --> 00:52:18,010

bit above it yesterday but yeah well

1241

00:52:22,109 --> 00:52:19,480

that's a lot of information for the

1242

00:52:23,370 --> 00:52:22,119

listeners to download well it's all web

1243

00:52:25,200 --> 00:52:23,380

file so it's all going to be compressed

1244

00:52:27,030 --> 00:52:25,210

anything yet it's hard right but that is

1245

00:52:28,650 --> 00:52:27,040

quite a bit and lasting that's what

1246

00:52:30,390 --> 00:52:28,660

that's why the listeners wanted you to

1247

00:52:30,980 --> 00:52:30,400

come may not and that's what I also want

1248

00:52:33,380 --> 00:52:30,990

to thank

1249

00:52:34,640 --> 00:52:33,390

one for chipping in and helping me get

1250

00:52:36,740 --> 00:52:34,650

here i actually did with what I'd ever

1251
00:52:38,510 --> 00:52:36,750
turn up here and I'm just having a great

1252
00:52:40,190 --> 00:52:38,520
time and I'm hoping it's a way of

1253
00:52:42,140 --> 00:52:40,200
sharing the event with everybody there

1254
00:52:43,700 --> 00:52:42,150
so that's so they can hear look there

1255
00:52:45,050 --> 00:52:43,710
there's a bit of here those listeners

1256
00:52:46,970 --> 00:52:45,060
you can't make it and we've had so many

1257
00:52:48,560 --> 00:52:46,980
listeners dr. AG come up and say hello

1258
00:52:50,150 --> 00:52:48,570
to us it's fantastic but for the

1259
00:52:51,920 --> 00:52:50,160
listeners who can't make it may not your

1260
00:52:53,960 --> 00:52:51,930
reports will make them feel like they

1261
00:52:55,609 --> 00:52:53,970
were here yeah and look if we can't get

1262
00:52:56,840 --> 00:52:55,619
into a regular zone you might do like a

1263
00:52:58,760 --> 00:52:56,850

special one or something like that at

1264

00:53:00,950 --> 00:52:58,770

some point the near future absolutely

1265

00:53:02,570 --> 00:53:00,960

may not tell me about your impressions

1266

00:53:04,490 --> 00:53:02,580

of Vegas and because you stayed on the

1267

00:53:07,040 --> 00:53:04,500

street for a couple of nights do you ago

1268

00:53:08,740 --> 00:53:07,050

I was at the exploding mirage and I have

1269

00:53:11,300 --> 00:53:08,750

been to Vegas a few times before and

1270

00:53:12,710 --> 00:53:11,310

there was one night there where a friend

1271

00:53:15,020 --> 00:53:12,720

of mine was out gambling till all hours

1272

00:53:16,370 --> 00:53:15,030

of the morning and and I kept getting an

1273

00:53:17,900 --> 00:53:16,380

hourly report kept coming up to the

1274

00:53:19,430 --> 00:53:17,910

lemon day things are going well things

1275

00:53:21,350 --> 00:53:19,440

are not going well a month I'm down all

1276

00:53:22,670 --> 00:53:21,360

that sort of stuff well that's the way

1277

00:53:24,710 --> 00:53:22,680

you're supposed to do it in Vegas right

1278

00:53:28,910 --> 00:53:24,720

oh yeah and I've got so much tech to

1279

00:53:30,170 --> 00:53:28,920

take home so much tank yeah in fact I'm

1280

00:53:31,550 --> 00:53:30,180

gonna be I'm gonna be looking into some

1281

00:53:33,230 --> 00:53:31,560

of the techniques of wildlife smuggling

1282

00:53:34,580 --> 00:53:33,240

because I might I might need to get the

1283

00:53:37,700 --> 00:53:34,590

things into Australia that need to be

1284

00:53:39,410 --> 00:53:37,710

secreted interesting to you did a couple

1285

00:53:40,940 --> 00:53:39,420

of weeks ago about wildlife laying out

1286

00:53:42,380 --> 00:53:40,950

that was very good yeah and I won't have

1287

00:53:43,849 --> 00:53:42,390

any drugs a wildlife but I'll have a lot

1288

00:53:44,990 --> 00:53:43,859

of really tacky stuff but I just would

1289

00:53:47,120 --> 00:53:45,000

not want to be caught going through

1290

00:53:48,770 --> 00:53:47,130

customs so what about the alien vodka

1291

00:53:50,359 --> 00:53:48,780

that you tweeted a picture of last night

1292

00:53:53,300 --> 00:53:50,369

where is that going to go well the empty

1293

00:53:56,060 --> 00:53:53,310

bottle is it could be is on display in

1294

00:53:58,010 --> 00:53:56,070

my room so I can look unless this come

1295

00:54:00,050 --> 00:53:58,020

up and and view it in your room pay a

1296

00:54:01,790 --> 00:54:00,060

dollar and viewers I believe anyone

1297

00:54:04,609 --> 00:54:01,800

that's familiar with the UFO phenomena I

1298

00:54:07,520 --> 00:54:04,619

think I experienced missing time last

1299

00:54:08,990 --> 00:54:07,530

night IOC and then when you wake up you

1300

00:54:11,090 --> 00:54:09,000

found the alien vodka bottle was empty

1301
00:54:13,370 --> 00:54:11,100
that's correct oh that's a common

1302
00:54:16,580 --> 00:54:13,380
phenomenon may know I thought it was

1303
00:54:18,440 --> 00:54:16,590
something new but actually may not you

1304
00:54:20,300 --> 00:54:18,450
are near area 51 so that may have had

1305
00:54:22,730 --> 00:54:20,310
something to do with it it's so cool I'm

1306
00:54:24,440 --> 00:54:22,740
thinking about that every day yeah be

1307
00:54:28,400 --> 00:54:24,450
careful you might get abductor takedown

1308
00:54:34,230 --> 00:54:32,610
of course I'm here right now at this

1309
00:54:36,240 --> 00:54:34,240
epic turntable where dr. Reggie is

1310
00:54:39,120 --> 00:54:36,250
checking her emails how's it going there

1311
00:54:41,280 --> 00:54:39,130
pretty good may not NEC sorta sisters

1312
00:54:43,770 --> 00:54:41,290
come in this morning any wash see sort

1313
00:54:46,380 --> 00:54:43,780

of cysts legal emails I'll see sword

1314

00:54:48,260 --> 00:54:46,390

assist you no not yet okay well I've

1315

00:54:50,310 --> 00:54:48,270

been told to cease and desist this shirt

1316

00:54:51,990 --> 00:54:50,320

it's a periodic table of the elements

1317

00:54:53,280 --> 00:54:52,000

what's wrong with that some people have

1318

00:54:55,320 --> 00:54:53,290

got a problem with that particularly

1319

00:54:58,410 --> 00:54:55,330

americone IAM really i think it's a

1320

00:54:59,790 --> 00:54:58,420

miracle imperialism oh baby yeah i think

1321

00:55:01,620 --> 00:54:59,800

it honey just for a little while inside

1322

00:55:03,240 --> 00:55:01,630

a reactor which one is extremely rare

1323

00:55:05,850 --> 00:55:03,250

americano never heard of it actually

1324

00:55:07,890 --> 00:55:05,860

myself Maynard can you eat it otherwise

1325

00:55:09,300 --> 00:55:07,900

are you being elementalists there's some

1326
00:55:12,030 --> 00:55:09,310
elements you've got a problem I am being

1327
00:55:13,410 --> 00:55:12,040
elementalist it comes to mercury folks

1328
00:55:15,390 --> 00:55:13,420
we'll talk about it all day but when

1329
00:55:17,700 --> 00:55:15,400
America onium comes up she's strangely

1330
00:55:21,420 --> 00:55:17,710
silent is americone lan lobby paying you

1331
00:55:24,150 --> 00:55:21,430
i am from Big Mac mercury given be

1332
00:55:25,980 --> 00:55:24,160
accurate yeah actually I'm still

1333
00:55:27,630 --> 00:55:25,990
actually continuing my Spanx experiment

1334
00:55:32,490 --> 00:55:27,640
you remember about that yes how's it

1335
00:55:33,900 --> 00:55:32,500
going i'll show you i'm wearing my Spanx

1336
00:55:35,370 --> 00:55:33,910
now I've discovered one thing may not

1337
00:55:37,380 --> 00:55:35,380
show you he's under way they're Spanx

1338
00:55:39,510 --> 00:55:37,390

yes he's we bought some Spanx on the

1339

00:55:41,670 --> 00:55:39,520

strip the other day right it's reduced

1340

00:55:43,770 --> 00:55:41,680

my waist by about an inch but i keep

1341

00:55:45,930 --> 00:55:43,780

getting um really bad indigestion when i

1342

00:55:46,950 --> 00:55:45,940

eat because because the time because the

1343

00:55:50,400 --> 00:55:46,960

pressure is pushing up in my esophagus

1344

00:55:52,710 --> 00:55:50,410

oh so can you just sort of unzip it when

1345

00:55:54,000 --> 00:55:52,720

you eat men are like pull a little bit

1346

00:55:56,070 --> 00:55:54,010

out around about your breastbone there

1347

00:55:57,360 --> 00:55:56,080

and do that in your fine right so you've

1348

00:56:00,390 --> 00:55:57,370

got to pull it out with one hand and eat

1349

00:56:02,310 --> 00:56:00,400

with the other tribe okay then doesn't

1350

00:56:03,630 --> 00:56:02,320

serve very practical to me then how

1351

00:56:06,000 --> 00:56:03,640

exciting is time this year for you

1352

00:56:08,160 --> 00:56:06,010

you've been to a couple now yeah this is

1353

00:56:10,560 --> 00:56:08,170

my third term actually um yeah it's

1354

00:56:12,810 --> 00:56:10,570

fantastic I mean it's it's always great

1355

00:56:14,640 --> 00:56:12,820

it's a sort of vibe or a tone to it this

1356

00:56:16,110 --> 00:56:14,650

year that we haven't had before or it's

1357

00:56:18,180 --> 00:56:16,120

different or different speaker that's

1358

00:56:19,920 --> 00:56:18,190

causing something yeah there is but I

1359

00:56:21,360 --> 00:56:19,930

can't talk about it ok well fair enough

1360

00:56:24,900 --> 00:56:21,370

then well that's okay because we're not

1361

00:56:26,460 --> 00:56:24,910

talking about you either no I think I

1362

00:56:28,680 --> 00:56:26,470

think people probably heard about the

1363

00:56:33,180 --> 00:56:28,690

tone of this year's town so we don't

1364

00:56:35,250 --> 00:56:33,190

need to discuss it any further like most

1365

00:56:37,830 --> 00:56:35,260

things don't know what we're currently

1366

00:56:40,500 --> 00:56:37,840

at the Strand skeptics table where a

1367

00:56:41,850 --> 00:56:40,510

local otherwise known as an American you

1368

00:56:44,100 --> 00:56:41,860

may have seen them on television or in

1369

00:56:46,200 --> 00:56:44,110

books perhaps is about to try a musk

1370

00:56:47,580 --> 00:56:46,210

stick for the first time you dig you but

1371

00:56:50,100 --> 00:56:47,590

you've never had on them before I've

1372

00:56:52,350 --> 00:56:50,110

never had a mustard Gnostic before okay

1373

00:57:04,050 --> 00:56:52,360

well give it a go but sniffing it smells

1374

00:57:09,080 --> 00:57:04,060

good I'll try anything once hmm he's

1375

00:57:11,760 --> 00:57:09,090

chewing tastes kind of like the

1376

00:57:14,940 --> 00:57:11,770

marshmallow Easter eggs that I remember

1377

00:57:17,520 --> 00:57:14,950

from childhood and is that a pleasant

1378

00:57:19,770 --> 00:57:17,530

memory was it an association of taunting

1379

00:57:21,210 --> 00:57:19,780

that you don't want to remember why I

1380

00:57:25,830 --> 00:57:21,220

wasn't particularly fond of them then

1381

00:57:27,510 --> 00:57:25,840

but but it's not bad mmm no actually I

1382

00:57:28,920 --> 00:57:27,520

like them they're they're good okay

1383

00:57:30,660 --> 00:57:28,930

you're good whatever it is very tasty

1384

00:57:32,190 --> 00:57:30,670

there we go well that's someone who

1385

00:57:33,930 --> 00:57:32,200

likes the mastic they don't normally go

1386

00:57:35,610 --> 00:57:33,940

down too well do they reach it people

1387

00:57:40,500 --> 00:57:35,620

usually think they taste like soap or

1388

00:57:42,870 --> 00:57:40,510

perfume okay here so I'm DS bum yes or

1389

00:57:45,720 --> 00:57:42,880

no oh they're good i like them here we

1390

00:57:47,250 --> 00:57:45,730

go chalk one up for the GS bum look and

1391

00:57:48,450 --> 00:57:47,260

look he's the second person has turned

1392

00:57:50,190 --> 00:57:48,460

up at the main I'd meet and greet the

1393

00:57:52,350 --> 00:57:50,200

cold sausage has gone now and we have

1394

00:57:53,670 --> 00:57:52,360

Karen E how are you Karen I'm wonderful

1395

00:57:56,220 --> 00:57:53,680

and I'm so thrilled and I'm finally

1396

00:57:57,780 --> 00:57:56,230

getting to meet so yeah I mean yeah I

1397

00:57:58,710 --> 00:57:57,790

mean I'm most Australians know me

1398

00:57:59,460 --> 00:57:58,720

through a lots of other things but

1399

00:58:00,810 --> 00:57:59,470

you've only known me through this

1400

00:58:02,460 --> 00:58:00,820

podcast I only know you threw this

1401
00:58:04,410 --> 00:58:02,470
podcast but still I wasn't sure they'd

1402
00:58:05,670 --> 00:58:04,420
let you into the country well you know

1403
00:58:07,110 --> 00:58:05,680
there's ways of hiding things through

1404
00:58:08,910 --> 00:58:07,120
Las Vegas customs that I don't want to

1405
00:58:12,660 --> 00:58:08,920
skull Alton I'm sure a very good point

1406
00:58:15,000 --> 00:58:12,670
and now what is it about our podcast our

1407
00:58:17,520 --> 00:58:15,010
Australian skeptical scientific view of

1408
00:58:18,769 --> 00:58:17,530
the world that interest you oh that's an

1409
00:58:22,609 --> 00:58:18,779
easy one to answer

1410
00:58:24,409 --> 00:58:22,619
I think at least it seems to me what

1411
00:58:26,209 --> 00:58:24,419
little exposure i have two Australian

1412
00:58:29,239 --> 00:58:26,219
society in Australian culture that

1413
00:58:31,640 --> 00:58:29,249

you're addressing the societal problems

1414

00:58:34,279 --> 00:58:31,650

that skeptics are traditionally you know

1415

00:58:37,249 --> 00:58:34,289

in battle with you going after the

1416

00:58:41,569 --> 00:58:37,259

anti-vaxxers you're going after the

1417

00:58:43,370 --> 00:58:41,579

power bracelet people and we don't do

1418

00:58:46,159 --> 00:58:43,380

that here like we should in my opinion

1419

00:58:48,199 --> 00:58:46,169

now is it because there's difficult

1420

00:58:49,519 --> 00:58:48,209

legal issues here is because Randy did a

1421

00:58:51,409 --> 00:58:49,529

lot of that in the beginning and maybe

1422

00:58:56,479 --> 00:58:51,419

he's a mobile educational focus these

1423

00:58:59,809 --> 00:58:56,489

days um I think we've let people become

1424

00:59:02,329 --> 00:58:59,819

entrenched into the bad patterns of

1425

00:59:04,009 --> 00:59:02,339

thinking into the non-productive you

1426
00:59:05,749 --> 00:59:04,019
know ways of dealing with problems it's

1427
00:59:09,529 --> 00:59:05,759
kind of a trademark of our culture now

1428
00:59:10,789 --> 00:59:09,539
that we're complacent well if I was

1429
00:59:12,649 --> 00:59:10,799
looking for a quick fix which is why

1430
00:59:16,429 --> 00:59:12,659
non-science thinking is so popular

1431
00:59:20,120 --> 00:59:16,439
because science is hard oh it's so it's

1432
00:59:23,329 --> 00:59:20,130
hard for baby look anything that's worth

1433
00:59:24,679 --> 00:59:23,339
doing it's it it's got to be hard but

1434
00:59:26,359 --> 00:59:24,689
you've got to earn it or it doesn't

1435
00:59:27,679 --> 00:59:26,369
really mean anything does it but you

1436
00:59:29,539 --> 00:59:27,689
said it with a smile on your face and it

1437
00:59:33,499 --> 00:59:29,549
is so true but it's such a hard sell for

1438
00:59:36,199 --> 00:59:33,509

people yes it is it's I I'm sort of

1439

00:59:37,609 --> 00:59:36,209

notorious at my workplace because I work

1440

00:59:38,689 --> 00:59:37,619

with a lot of people who can we talk

1441

00:59:40,309 --> 00:59:38,699

about this on radio I mean is this

1442

00:59:42,469 --> 00:59:40,319

something that goes on the Friday okay

1443

00:59:45,829 --> 00:59:42,479

um because I work with a lot of

1444

00:59:47,630 --> 00:59:45,839

believers and a lot of people who very

1445

00:59:49,489 --> 00:59:47,640

much are entrenched in in their

1446

00:59:52,669 --> 00:59:49,499

mainstream culture and of course I don't

1447

00:59:54,529 --> 00:59:52,679

really blend very well but I'm fortunate

1448

00:59:55,939 --> 00:59:54,539

and that I not so how do you hush your

1449

00:59:58,699 --> 00:59:55,949

mouth and how do you know when to say

1450

01:00:00,169 --> 00:59:58,709

something um you think about people's

1451

01:00:04,519 --> 01:00:00,179

feelings you think about being

1452

01:00:07,779 --> 01:00:04,529

respectful you think about what can I

1453

01:00:10,459 --> 01:00:07,789

share here that might help someone think

1454

01:00:12,259 --> 01:00:10,469

about this problem without making them

1455

01:00:14,730 --> 01:00:12,269

feel attacked

1456

01:00:17,190 --> 01:00:14,740

and I guess it comes down to the to

1457

01:00:18,839 --> 01:00:17,200

respect and encouragement I encourage

1458

01:00:20,160 --> 01:00:18,849

you to join me that's what that is if

1459

01:00:21,720 --> 01:00:20,170

you're taking something away you've got

1460

01:00:23,670 --> 01:00:21,730

to offer something to replace it you

1461

01:00:25,470 --> 01:00:23,680

can't just eat bank or else you know

1462

01:00:27,120 --> 01:00:25,480

you'll get a reputation to debunk oh

1463

01:00:29,730 --> 01:00:27,130

absolutely absolutely you have to offer

1464

01:00:32,190 --> 01:00:29,740

something to replace and and people they

1465

01:00:34,470 --> 01:00:32,200

cling to their religious traditions and

1466

01:00:36,779 --> 01:00:34,480

you know there's a superstition beliefs

1467

01:00:38,789 --> 01:00:36,789

and these are the things because they do

1468

01:00:40,019 --> 01:00:38,799

provide something that they need and

1469

01:00:41,430 --> 01:00:40,029

what's the one that gets you going the

1470

01:00:43,049 --> 01:00:41,440

most the one that you just can't help

1471

01:00:47,190 --> 01:00:43,059

yourself having to open your mouth about

1472

01:00:51,049 --> 01:00:47,200

oh right now our whole country is torn

1473

01:00:55,470 --> 01:00:51,059

about is torn apart by marriage equality

1474

01:00:58,109 --> 01:00:55,480

battle and it really infuriates me when

1475

01:01:06,210 --> 01:00:58,119

people say well this can't ever be made

1476

01:01:08,339 --> 01:01:06,220

legal because it's wrong as I know I've

1477

01:01:11,549 --> 01:01:08,349

had that argument with my stepmother and

1478

01:01:14,609 --> 01:01:11,559

when asked why machine uses the Bible as

1479

01:01:16,950 --> 01:01:14,619

the reason oh my goodness um I tend to

1480

01:01:18,980 --> 01:01:16,960

go back a little further and I say when

1481

01:01:22,289 --> 01:01:18,990

was it alright to keep a bunch of

1482

01:01:25,499 --> 01:01:22,299

Americans in channel slavery we got rid

1483

01:01:28,200 --> 01:01:25,509

of man was it right not to let half of

1484

01:01:30,809 --> 01:01:28,210

the entire nation not vote because they

1485

01:01:33,390 --> 01:01:30,819

were women we got rid of that so why

1486

01:01:37,049 --> 01:01:33,400

should we say this section of our

1487

01:01:40,650 --> 01:01:37,059

citizenry but can't participate in an

1488

01:01:44,400 --> 01:01:40,660

institution that we value and and want

1489

01:01:46,890 --> 01:01:44,410

people to pursue just because they don't

1490

01:01:49,019 --> 01:01:46,900

love who we expected them to yeah that's

1491

01:01:50,849 --> 01:01:49,029

not right i look and they always oftenly

1492

01:01:52,890 --> 01:01:50,859

think of the children argument gets

1493

01:01:56,670 --> 01:01:52,900

played in this one too doesn't it oh my

1494

01:01:59,400 --> 01:01:56,680

goodness do you know how many happy well

1495

01:02:01,799 --> 01:01:59,410

balanced normal children come from every

1496

01:02:05,999 --> 01:02:01,809

type of family you can possibly imagine

1497

01:02:08,429 --> 01:02:06,009

and how many maladaptive unhappy

1498

01:02:09,989 --> 01:02:08,439

children come from every type of family

1499

01:02:11,789 --> 01:02:09,999

that you can imagine it doesn't matter

1500

01:02:14,429 --> 01:02:11,799

the gender your parents doesn't matter

1501
01:02:17,069 --> 01:02:14,439
how much money you have or don't have or

1502
01:02:19,170 --> 01:02:17,079
what brand of politics you espouse what

1503
01:02:22,049 --> 01:02:19,180
happened what matters are if children

1504
01:02:25,199 --> 01:02:22,059
feel loved and if children are educated

1505
01:02:27,660 --> 01:02:25,209
and the children are encouraged to think

1506
01:02:29,579 --> 01:02:27,670
and be themselves they're going to be

1507
01:02:31,650 --> 01:02:29,589
great people we've actually found the

1508
01:02:34,380 --> 01:02:31,660
skeptic zone listener in Las Vegas who

1509
01:02:38,089 --> 01:02:34,390
is a my name is Greg and can you explain

1510
01:02:40,559 --> 01:02:38,099
Richard Saunders haircut arm special

1511
01:02:42,719 --> 01:02:40,569
okay some people have said breakfast

1512
01:02:44,459 --> 01:02:42,729
club but special that's very good now

1513
01:02:45,599 --> 01:02:44,469

what is your thing with skepticism

1514

01:02:48,329 --> 01:02:45,609

what's your what's your thing what do

1515

01:02:51,959 --> 01:02:48,339

you hey I love that I UFO go and add a

1516

01:02:56,539 --> 01:02:51,969

vaccine guy a ghost guy gosh you know I

1517

01:02:59,059 --> 01:02:56,549

think the whole anti-vaccination

1518

01:03:01,999 --> 01:02:59,069

I really is a problem for me in

1519

01:03:04,099 --> 01:03:02,009

California no I am actually that would

1520

01:03:06,109 --> 01:03:04,109

be I imagine the biggest place apart

1521

01:03:08,269 --> 01:03:06,119

from maybe Oregon where they maybe don't

1522

01:03:09,859 --> 01:03:08,279

like it we do have our high

1523

01:03:12,289 --> 01:03:09,869

concentration yes definitely in

1524

01:03:13,999 --> 01:03:12,299

California you know I don't know why but

1525

01:03:16,489 --> 01:03:14,009

is it because there's a bit of an

1526

01:03:18,499 --> 01:03:16,499

anti-authoritarian bent in some areas of

1527

01:03:20,890 --> 01:03:18,509

California could be could be maybe

1528

01:03:24,309 --> 01:03:20,900

people feel that they may know better

1529

01:03:29,870 --> 01:03:24,319

and therefore our complacent and don't

1530

01:03:32,599 --> 01:03:29,880

decide to you know follow up on on a

1531

01:03:35,179 --> 01:03:32,609

critical thinking aspect okay i was

1532

01:03:36,620 --> 01:03:35,189

talking to DJ Grothe earlier but he was

1533

01:03:38,660 --> 01:03:36,630

saying he'd always worked in reasonably

1534

01:03:39,679 --> 01:03:38,670

some skeptical places what sort of place

1535

01:03:42,709 --> 01:03:39,689

to you again if you don't mind me asking

1536

01:03:45,439 --> 01:03:42,719

i work for a local public transit agency

1537

01:03:48,169 --> 01:03:45,449

okay so what sort of woo comes across

1538

01:03:50,329 --> 01:03:48,179

your office on a regular basis well I

1539

01:03:53,299 --> 01:03:50,339

can't say that there's that much

1540

01:03:55,189 --> 01:03:53,309

actually in my line of work forgery yeah

1541

01:03:56,900 --> 01:03:55,199

I think I'm just I'm a computer

1542

01:03:57,949 --> 01:03:56,910

technician so are you full moon thing

1543

01:03:59,390 --> 01:03:57,959

people would say well there's going to

1544

01:04:01,489 --> 01:03:59,400

be trouble on a full moon wouldn't they

1545

01:04:04,579 --> 01:04:01,499

that's possible yes I have heard that

1546

01:04:07,849 --> 01:04:04,589

rule a little line before but you know

1547

01:04:09,199 --> 01:04:07,859

of course I just dismiss it so what is

1548

01:04:10,849 --> 01:04:09,209

the one that really makes you angry then

1549

01:04:12,410 --> 01:04:10,859

apart is it the anti-vaccination that

1550

01:04:13,429 --> 01:04:12,420

really every time and how do you

1551

01:04:15,229 --> 01:04:13,439

approach it with people how do you

1552

01:04:18,410 --> 01:04:15,239

explain to them the mercury isn't

1553

01:04:21,499 --> 01:04:18,420

killing everybody yeah anti-vaccination

1554

01:04:25,910 --> 01:04:21,509

and astrology is another one that really

1555

01:04:27,799 --> 01:04:25,920

kind of you know bugs me a bit I'm the

1556

01:04:30,469 --> 01:04:27,809

Capricorn are you really I'm a Gemini

1557

01:04:32,959 --> 01:04:30,479

but at least that's what is it oh now

1558

01:04:34,069 --> 01:04:32,969

Gemini whenever they leave the house I

1559

01:04:36,709 --> 01:04:34,079

take a different personality with them

1560

01:04:40,429 --> 01:04:36,719

on top that's true i have an inventory

1561

01:04:41,929 --> 01:04:40,439

at home I keep a spare with me but you

1562

01:04:43,489 --> 01:04:41,939

sometimes tell people do something else

1563

01:04:44,989 --> 01:04:43,499

just to get them going oh I hadn't

1564

01:04:46,249 --> 01:04:44,999

thought of that that's good tell people

1565

01:04:47,689 --> 01:04:46,259

your Scorpio everyone seems to think

1566

01:04:49,669 --> 01:04:47,699

Scorpio is really good in bed so you

1567

01:04:51,109 --> 01:04:49,679

should say Scorpio also Scorpio is

1568

01:04:52,939 --> 01:04:51,119

probably the most murdered star sign

1569

01:04:55,219 --> 01:04:52,949

because for some reason that allegedly

1570

01:04:57,679 --> 01:04:55,229

they choose things like police fire

1571

01:04:59,749 --> 01:04:57,689

dangerous professions or just ask them

1572

01:05:01,789 --> 01:04:59,759

what you know ask somebody what do they

1573

01:05:03,410 --> 01:05:01,799

think I am and then tell them something

1574

01:05:05,160 --> 01:05:03,420

different just to see what their

1575

01:05:07,599 --> 01:05:05,170

reaction is

1576

01:05:09,150 --> 01:05:07,609

then you go to what's my real style song

1577

01:05:11,440 --> 01:05:09,160

calm and find out what you really are

1578

01:05:13,599 --> 01:05:11,450

right right because you know you got to

1579

01:05:16,630 --> 01:05:13,609

think about procession of the zodiac

1580

01:05:18,700 --> 01:05:16,640

signs over the millennia you know and it

1581

01:05:21,729 --> 01:05:18,710

goes I've been pushing a fairly radical

1582

01:05:24,039 --> 01:05:21,739

agenda here I'm pushing the fact that

1583

01:05:26,170 --> 01:05:24,049

Adam West was in fact the true and

1584

01:05:29,680 --> 01:05:26,180

correct Batman I do believe in me or not

1585

01:05:32,769 --> 01:05:29,690

oh you've a Keaton guy or a hmm I think

1586

01:05:35,709 --> 01:05:32,779

Adam West was certainly the most

1587

01:05:39,880 --> 01:05:35,719

important of the forerunners of the

1588

01:05:41,289 --> 01:05:39,890

Batman genre normally when someone says

1589

01:05:42,549 --> 01:05:41,299

that listen that means they're working

1590

01:05:45,700 --> 01:05:42,559

their way around to telling me I'm full

1591

01:06:03,160 --> 01:05:45,710

I think you're right great polite I

1592

01:06:09,020 --> 01:06:06,740

scopes monkey choir scopes monkey choir

1593

01:06:11,420 --> 01:06:09,030

wait are we acquire know when I require

1594

01:06:16,490 --> 01:06:11,430

but we are musicians when I monkeys

1595

01:06:19,460 --> 01:06:16,500

either we are ready so what is scopes

1596

01:06:21,740 --> 01:06:19,470

monkey choir it's podcast oh yeah it's

1597

01:06:24,770 --> 01:06:21,750

podcast it's the podcast where music and

1598

01:06:26,450 --> 01:06:24,780

sound meets science and skepticism we

1599

01:06:28,160 --> 01:06:26,460

are two professional musicians who

1600

01:06:29,690 --> 01:06:28,170

decided to turn our skeptical eyes on

1601
01:06:31,570 --> 01:06:29,700
our own profession we look at the

1602
01:06:34,280 --> 01:06:31,580
science of music we look at studies

1603
01:06:36,620 --> 01:06:34,290
recent studies about music and sound we

1604
01:06:41,330 --> 01:06:36,630
look skeptically at musical myths we

1605
01:06:43,730 --> 01:06:41,340
look at and we work out of our music

1606
01:06:45,980 --> 01:06:43,740
listen to us at Scopes Monkey choir calm

1607
01:06:48,260 --> 01:06:45,990
I'll find us on iTunes Scopes Monkey

1608
01:07:01,560 --> 01:06:48,270
choir the podcast for music and sounds

1609
01:07:07,630 --> 01:07:03,880
well thank you for listening to the

1610
01:07:10,150 --> 01:07:07,640
skeptic zone here from tam 2012 Travis

1611
01:07:11,500 --> 01:07:10,160
still with me still maintaining station

1612
01:07:14,110 --> 01:07:11,510
here with me at the end of the corridor

1613
01:07:17,020 --> 01:07:14,120

big day had lots of interesting talks

1614

01:07:18,610 --> 01:07:17,030

and I can't wait to see may not again

1615

01:07:20,050 --> 01:07:18,620

with his microphone running around he's

1616

01:07:23,140 --> 01:07:20,060

going to be getting more interviews for

1617

01:07:25,360 --> 01:07:23,150

us now what's coming up with you Travis

1618

01:07:27,250 --> 01:07:25,370

what's happening in the travis roy near

1619

01:07:30,250 --> 01:07:27,260

future well I'm looking forward to

1620

01:07:33,400 --> 01:07:30,260

seeing Ben Radford's talk as well as the

1621

01:07:35,860 --> 01:07:33,410

SGU at two o'clock later today and then

1622

01:07:37,810 --> 01:07:35,870

what's the big event tonight this poker

1623

01:07:40,600 --> 01:07:37,820

tonight look at this level clock is a

1624

01:07:42,430 --> 01:07:40,610

special SGU poker night and then I think

1625

01:07:44,560 --> 01:07:42,440

I'm taking part of that and I can't wait

1626

01:07:46,960 --> 01:07:44,570

now look Travis I just hear the fact

1627

01:07:50,370 --> 01:07:46,970

that I think Ben Radford has just taken

1628

01:07:52,960 --> 01:07:50,380

the stage I think we better run in there

1629

01:07:55,150 --> 01:07:52,970

why we hear something clinking down the

1630

01:07:59,080 --> 01:07:55,160

end of the hall I think we better run in

1631

01:08:01,960 --> 01:07:59,090

there and sign off so from the amazing

1632

01:08:08,650 --> 01:08:01,970

meeting 2012 this is Richard Saunders

1633

01:08:11,920 --> 01:08:08,660

and travis roy signing off you've been

1634

01:08:16,450 --> 01:08:11,930

listening to the skeptic zone visit our

1635

01:08:18,940 --> 01:08:16,460

website at www.skeptics.org on TV for