

# The Skeptic Zone

Show 171 - 28 Jan 2012



Eugenie C. Scott, Ph.D.

1  
00:00:27,160 --> 00:00:09,110  
welcome to the skeptic zone the podcast

2  
00:00:34,910 --> 00:00:31,040  
hello from pier 39 in San Francisco and

3  
00:00:36,830 --> 00:00:34,920  
welcome to episode number 171 of the

4  
00:00:41,000 --> 00:00:36,840  
skeptics earn Richard Saunders here with

5  
00:00:44,630 --> 00:00:41,010  
you gazing out on about 30 or 40

6  
00:00:48,500 --> 00:00:44,640  
floating pants pontoons half of them

7  
00:00:50,479 --> 00:00:48,510  
filled up with sea lions it's quite the

8  
00:00:53,420 --> 00:00:50,489  
tourist attraction here in downtown San

9  
00:00:59,000 --> 00:00:53,430  
Francisco it's a beautifully sunny warm

10  
00:01:03,260 --> 00:00:59,010  
winters day that's a school children

11  
00:01:05,170 --> 00:01:03,270  
around being amused by the sea lions who

12  
00:01:07,090 --> 00:01:05,180  
are

13  
00:01:10,690 --> 00:01:07,100

probably involved in some deep

14

00:01:12,310 --> 00:01:10,700

philosophical argument right now but

15

00:01:14,920 --> 00:01:12,320

coming up on today's skeptic zone we

16

00:01:17,950 --> 00:01:14,930

have a special episode with the Eugenie

17

00:01:19,900 --> 00:01:17,960

Scott doctor Eugenie Scott and a tour of

18

00:01:22,750 --> 00:01:19,910

the National Center for Science

19

00:01:25,080 --> 00:01:22,760

Education in Oakland which is not too

20

00:01:28,300 --> 00:01:25,090

far away from where i am at the moment

21

00:01:29,890 --> 00:01:28,310

now Jeannie Scott in the National Center

22

00:01:33,400 --> 00:01:29,900

for Science Education have taken a big

23

00:01:36,430 --> 00:01:33,410

leap very recently they've decided to

24

00:01:42,370 --> 00:01:36,440

aid and support teachers in their

25

00:01:46,180 --> 00:01:42,380

endeavors to UM teach climate change the

26  
00:01:48,820 --> 00:01:46,190  
science behind climate change what has

27  
00:01:50,760 --> 00:01:48,830  
she gotten herself into will let her

28  
00:01:54,700 --> 00:01:50,770  
explain coming up at the top of the show

29  
00:01:56,710 --> 00:01:54,710  
and after the break GD scott takes us on

30  
00:01:59,230 --> 00:01:56,720  
a tour of the National Center for

31  
00:02:02,650 --> 00:01:59,240  
Science Education sort of behind the

32  
00:02:05,350 --> 00:02:02,660  
scenes look at the facility itself then

33  
00:02:08,440 --> 00:02:05,360  
to wrap up the show our very own dr.

34  
00:02:10,300 --> 00:02:08,450  
rachy dr. Rachel Dunlop just the other

35  
00:02:12,610 --> 00:02:10,310  
day was on national television in

36  
00:02:15,130 --> 00:02:12,620  
Australia on the show called the project

37  
00:02:17,789 --> 00:02:15,140  
which is on the Ten Network and she was

38  
00:02:20,440 --> 00:02:17,799

a special guest on there to chat about

39

00:02:23,380 --> 00:02:20,450

conspiracy theories well done and

40

00:02:29,470 --> 00:02:23,390

congratulations to dr. he4 appearing on

41

00:02:36,140 --> 00:02:33,590

well as the school children running

42

00:02:41,210 --> 00:02:36,150

around me like crazy in the sea lions

43

00:02:43,660 --> 00:02:41,220

are just basking in the sunshine talking

44

00:02:48,110 --> 00:02:43,670

to some seagulls over there I'm gonna

45

00:02:51,560 --> 00:02:48,120

walk down to the next pier along grab

46

00:02:55,310 --> 00:02:51,570

myself a lovely bowl of clam chowder and

47

00:02:57,170 --> 00:02:55,320

sourdough a so doable oh I love it

48

00:02:59,690 --> 00:02:57,180

whenever I'm here I have a nice root

49

00:03:20,530 --> 00:02:59,700

beer and I'll let you enjoy the skeptic

50

00:03:25,610 --> 00:03:23,540

well as promised listeners once again

51  
00:03:28,310 --> 00:03:25,620  
I've made my way here to Oakland and

52  
00:03:30,260 --> 00:03:28,320  
California to visit the National Center

53  
00:03:32,090 --> 00:03:30,270  
science education to speak to my dear

54  
00:03:33,920 --> 00:03:32,100  
friend Jeannie Scott hello Jeanie hi

55  
00:03:36,860 --> 00:03:33,930  
it's so good to see you again thank you

56  
00:03:39,380 --> 00:03:36,870  
here we are back again in your office we

57  
00:03:41,600 --> 00:03:39,390  
must think now they have been here four

58  
00:03:45,170 --> 00:03:41,610  
or five times over the years to catch up

59  
00:03:47,990 --> 00:03:45,180  
and discount who's counting and it's

60  
00:03:49,820 --> 00:03:48,000  
always a pleasure to come and see what's

61  
00:03:52,070 --> 00:03:49,830  
changed and what's new and I always ask

62  
00:03:54,080 --> 00:03:52,080  
you the same questions so I'll start

63  
00:03:56,840 --> 00:03:54,090

with this the question I always ask you

64

00:03:58,520 --> 00:03:56,850

since we've lost had a good chat which

65

00:04:00,980 --> 00:03:58,530

is about a year ago when I came to visit

66

00:04:03,820 --> 00:04:00,990

what have been the big developments here

67

00:04:06,500 --> 00:04:03,830

the Center for Science Education the

68

00:04:10,760 --> 00:04:06,510

really big development and the thing

69

00:04:15,500 --> 00:04:10,770

that is we are very excited about and a

70

00:04:18,860 --> 00:04:15,510

little nervous about is that we have

71

00:04:21,080 --> 00:04:18,870

decided that just as teachers have

72

00:04:24,110 --> 00:04:21,090

problems with the teaching of evolution

73

00:04:27,320 --> 00:04:24,120

and need some support some advice some

74

00:04:29,600 --> 00:04:27,330

help so also we are discovering they are

75

00:04:32,870 --> 00:04:29,610

having problems with teaching global

76

00:04:35,300 --> 00:04:32,880

warming and climate change and similarly

77

00:04:38,560 --> 00:04:35,310

need that kind of support advice and

78

00:04:43,840 --> 00:04:38,570

help to continue teaching good science

79

00:04:46,100 --> 00:04:43,850

we see more and more examples of

80

00:04:48,290 --> 00:04:46,110

legislation being proposed that would

81

00:04:50,990 --> 00:04:48,300

affect compromise the teaching of

82

00:04:54,080 --> 00:04:51,000

climate change we get more reports from

83

00:04:56,320 --> 00:04:54,090

individual teachers about students

84

00:04:59,780 --> 00:04:56,330

getting up and walking out of class or

85

00:05:01,880 --> 00:04:59,790

students parents showing up saying

86

00:05:03,260 --> 00:05:01,890

you're not going to teach my kid that

87

00:05:05,870 --> 00:05:03,270

the climate is getting warmer are you

88

00:05:08,930 --> 00:05:05,880

that this is a liberal plot somehow and

89

00:05:13,130 --> 00:05:08,940

on and on so teachers are being faced

90

00:05:16,070 --> 00:05:13,140

with what is really a political or an

91

00:05:18,260 --> 00:05:16,080

ideological pressure against the

92

00:05:20,480 --> 00:05:18,270

teaching of climate change much as they

93

00:05:22,430 --> 00:05:20,490

have over the years been faced with the

94

00:05:24,470 --> 00:05:22,440

political ideological if you will

95

00:05:28,300 --> 00:05:24,480

pressure against the teaching of

96

00:05:31,089 --> 00:05:28,310

evolution wow wow this is a topic I

97

00:05:34,100 --> 00:05:31,099

what's the term

98

00:05:36,320 --> 00:05:34,110

fools rush in where angels fear to tread

99

00:05:38,960 --> 00:05:36,330

this is this is one of the topics of the

100

00:05:41,659 --> 00:05:38,970

fool that is I you know I sell them

101  
00:05:43,520 --> 00:05:41,669  
cover this on the skeptic zone it occurs

102  
00:05:45,800 --> 00:05:43,530  
to me that in the past and your

103  
00:05:49,570 --> 00:05:45,810  
continued fighting battle against the

104  
00:05:53,360 --> 00:05:49,580  
forces of creationism and so on largely

105  
00:05:56,450 --> 00:05:53,370  
religiously based now you're tackling

106  
00:05:59,540 --> 00:05:56,460  
something which is a bit broader I think

107  
00:06:03,950 --> 00:05:59,550  
people people tend to just simply decide

108  
00:06:06,050 --> 00:06:03,960  
that the world is not warming us or the

109  
00:06:08,620 --> 00:06:06,060  
science must be wrong rather than coming

110  
00:06:11,120 --> 00:06:08,630  
from a religious background it's not

111  
00:06:16,070 --> 00:06:11,130  
you're completely correct there there

112  
00:06:19,010 --> 00:06:16,080  
are not there are not total parallels

113  
00:06:21,439 --> 00:06:19,020

between the two problems that you know

114

00:06:22,730 --> 00:06:21,449

the teachers are facing let me

115

00:06:24,230 --> 00:06:22,740

underscore first that there is a

116

00:06:25,790 --> 00:06:24,240

difference between what we do here and

117

00:06:27,110 --> 00:06:25,800

what you do I mean you are looking at

118

00:06:30,710 --> 00:06:27,120

skepticism you're looking at

119

00:06:32,839 --> 00:06:30,720

pseudoscience and our overlap in terms

120

00:06:34,850 --> 00:06:32,849

of you what you do in your podcast and

121

00:06:36,649 --> 00:06:34,860

then CSC is creationism as a

122

00:06:38,990 --> 00:06:36,659

pseudoscience and that what got us

123

00:06:41,990 --> 00:06:39,000

talking originally years ago what we do

124

00:06:44,959 --> 00:06:42,000

here is we really look at science

125

00:06:46,790 --> 00:06:44,969

education and the creationism a problem

126  
00:06:49,459 --> 00:06:46,800  
is an issue for science education just

127  
00:06:51,529 --> 00:06:49,469  
like it's an interest to skepticism and

128  
00:06:53,450 --> 00:06:51,539  
when I'm wearing my Bay Area skeptics

129  
00:06:57,520 --> 00:06:53,460  
have them you know we we are very

130  
00:07:02,980 --> 00:06:57,530  
interested in that as well one parallel

131  
00:07:05,719 --> 00:07:02,990  
between climate science education and

132  
00:07:08,719 --> 00:07:05,729  
evolution education is that the

133  
00:07:11,719 --> 00:07:08,729  
opposition to either of these topics

134  
00:07:14,149 --> 00:07:11,729  
comes from an ideology but it's a

135  
00:07:16,309 --> 00:07:14,159  
different ideology the opposition to

136  
00:07:18,320 --> 00:07:16,319  
evolution is a religious ideology

137  
00:07:20,450 --> 00:07:18,330  
generally it's conservative Christians

138  
00:07:25,210 --> 00:07:20,460

although they're in Europe there's much

139

00:07:28,780 --> 00:07:25,220

more pushback from Muslims in

140

00:07:32,380 --> 00:07:28,790

in Israel the pushback comes from the

141

00:07:36,550 --> 00:07:32,390

super Orthodox Rogers so no ironic yeah

142

00:07:39,490 --> 00:07:36,560

right so there you have it opposition to

143

00:07:41,620 --> 00:07:39,500

teaching evolution comes almost one

144

00:07:44,080 --> 00:07:41,630

hundred percent from religious

145

00:07:45,310 --> 00:07:44,090

ideologies that don't accept it of

146

00:07:46,780 --> 00:07:45,320

course there plenty of religious

147

00:07:48,570 --> 00:07:46,790

ideologies that do but you know the

148

00:07:50,980 --> 00:07:48,580

opposition comes from those who don't

149

00:07:54,640 --> 00:07:50,990

when it comes to the teaching of climate

150

00:07:57,670 --> 00:07:54,650

change it also is motivated by ideology

151  
00:08:00,660 --> 00:07:57,680  
but a different ideology in the United

152  
00:08:04,480 --> 00:08:00,670  
States where you have perhaps the

153  
00:08:07,470 --> 00:08:04,490  
strongest expression of anti global

154  
00:08:12,040 --> 00:08:07,480  
warming the ideology that the primary

155  
00:08:14,290 --> 00:08:12,050  
ideology ISM is an anti big government

156  
00:08:16,960 --> 00:08:14,300  
it's a political ideology it's people

157  
00:08:19,960 --> 00:08:16,970  
who believe that global warming is bad

158  
00:08:22,240 --> 00:08:19,970  
science that is only being promoted by

159  
00:08:24,820 --> 00:08:22,250  
political liberals who are trying to

160  
00:08:26,680 --> 00:08:24,830  
build the government who are trying to

161  
00:08:28,360 --> 00:08:26,690  
take away individual American freedoms

162  
00:08:30,600 --> 00:08:28,370  
and of course individual freedom is a

163  
00:08:34,450 --> 00:08:30,610

real important part of the American

164

00:08:36,520 --> 00:08:34,460

story about themselves and that somehow

165

00:08:39,339 --> 00:08:36,530

this all gets mixed up with liberal

166

00:08:41,620 --> 00:08:39,349

conservative political views there's

167

00:08:44,140 --> 00:08:41,630

another component to the anti global

168

00:08:48,250 --> 00:08:44,150

warming movement and that is an economic

169

00:08:52,800 --> 00:08:48,260

ideology which you tend to find among

170

00:08:54,760 --> 00:08:52,810

libertarians and others of a what one

171

00:08:57,250 --> 00:08:54,770

scholar is called free-market

172

00:08:59,440 --> 00:08:57,260

fundamentalism those who believe that

173

00:09:01,300 --> 00:08:59,450

the free market will solve all problems

174

00:09:03,460 --> 00:09:01,310

economically and that anything that

175

00:09:06,790 --> 00:09:03,470

appears to fetter the free markets such

176

00:09:10,450 --> 00:09:06,800

as cap and trade or carbon tax or

177

00:09:15,250 --> 00:09:10,460

something that in some way is viewed as

178

00:09:18,880 --> 00:09:15,260

restricting the ability of the energy

179

00:09:20,710 --> 00:09:18,890

producers the carbon coal gas etc to to

180

00:09:23,200 --> 00:09:20,720

perform their you know business

181

00:09:27,670 --> 00:09:23,210

decisions that this is bad and this

182

00:09:33,010 --> 00:09:27,680

should be opposed so the global warming

183

00:09:35,350 --> 00:09:33,020

is viewed as a push by those who are

184

00:09:37,120 --> 00:09:35,360

anti capitalist who want to increase

185

00:09:37,610 --> 00:09:37,130

socialism so you can see how this kind

186

00:09:39,170 --> 00:09:37,620

of gets

187

00:09:42,380 --> 00:09:39,180

right up with the conservative political

188

00:09:44,060 --> 00:09:42,390

ideology it's it's some good fertile

189

00:09:47,960 --> 00:09:44,070

ground for conspiracy theory too isn't

190

00:09:50,900 --> 00:09:47,970

it Oh quite right so you know from the

191

00:09:53,420 --> 00:09:50,910

skeptic standpoint there may not be that

192

00:09:58,340 --> 00:09:53,430

much of a link with anti global warming

193

00:10:00,260 --> 00:09:58,350

because what maybe to the extent I mean

194

00:10:02,930 --> 00:10:00,270

that the parallels that we see at NCSE

195

00:10:05,950 --> 00:10:02,940

is that an ideological view is

196

00:10:09,680 --> 00:10:05,960

motivating an anti-science view

197

00:10:12,079 --> 00:10:09,690

evolution and global warming our

198

00:10:14,000 --> 00:10:12,089

position is that what teachers should be

199

00:10:17,240 --> 00:10:14,010

focusing on is what is the consensus

200

00:10:20,360 --> 00:10:17,250

view of science what is is the majority

201  
00:10:22,820 --> 00:10:20,370  
of scientists proposing as the best

202  
00:10:26,660 --> 00:10:22,830  
explanation at this time and place and

203  
00:10:28,130 --> 00:10:26,670  
its evolution and it is that the planet

204  
00:10:31,100 --> 00:10:28,140  
is getting warmer and that people have

205  
00:10:35,260 --> 00:10:31,110  
important responsibility in this now if

206  
00:10:38,450 --> 00:10:35,270  
and when those two consensuses change

207  
00:10:41,000 --> 00:10:38,460  
then teachers will should change what

208  
00:10:43,550 --> 00:10:41,010  
they're teaching evolution is very very

209  
00:10:46,010 --> 00:10:43,560  
very very solid I mean we don't

210  
00:10:47,660 --> 00:10:46,020  
anticipate that the idea that living

211  
00:10:49,310 --> 00:10:47,670  
things are common ancestors the universe

212  
00:10:50,930 --> 00:10:49,320  
is very ancient the plan has been moving

213  
00:10:52,880 --> 00:10:50,940

you know I don't think that's going to

214

00:10:55,250 --> 00:10:52,890

change if it does will change what we

215

00:10:58,490 --> 00:10:55,260

teach that job in the case of global

216

00:11:02,870 --> 00:10:58,500

warming most Americans are not as aware

217

00:11:05,840 --> 00:11:02,880

of how solid the scientific consensus is

218

00:11:10,430 --> 00:11:05,850

around this when climate scientists are

219

00:11:12,949 --> 00:11:10,440

pulled you find high ninety percent 97

220

00:11:16,610 --> 00:11:12,959

96 percent of climate scientists saying

221

00:11:19,300 --> 00:11:16,620

yes the planet is warming a good deal of

222

00:11:22,160 --> 00:11:19,310

it is anthropogenic or human influenced

223

00:11:24,260 --> 00:11:22,170

there's arguments about how much but

224

00:11:27,740 --> 00:11:24,270

climate scientists are pretty uniform

225

00:11:30,350 --> 00:11:27,750

that it's substantial yeah and if you

226

00:11:32,300 --> 00:11:30,360

pull scientists in general you find

227

00:11:34,519 --> 00:11:32,310

again maybe not quite that high

228

00:11:37,699 --> 00:11:34,529

percentage as among climate scientists

229

00:11:40,100 --> 00:11:37,709

but at least in the 90s of scientists

230

00:11:41,690 --> 00:11:40,110

pulled as a whole agree the planet is

231

00:11:44,449 --> 00:11:41,700

getting warmer and that people have a

232

00:11:46,250 --> 00:11:44,459

lot to do with that so that is the

233

00:11:48,319 --> 00:11:46,260

current scientific consensus that is

234

00:11:49,769 --> 00:11:48,329

what we think teachers should teach what

235

00:11:53,189 --> 00:11:49,779

we oppose is the ID

236

00:11:55,639 --> 00:11:53,199

that teachers should somehow shape their

237

00:11:58,050 --> 00:11:55,649

teaching because of ideological pressure

238

00:12:00,809 --> 00:11:58,060

that is the parallel we see between

239

00:12:03,329 --> 00:12:00,819

anti-evolution and anti climate change

240

00:12:04,889 --> 00:12:03,339

and that is that growing realization

241

00:12:06,360 --> 00:12:04,899

which we studied for about a year and

242

00:12:08,970 --> 00:12:06,370

really thought carefully about this

243

00:12:11,910 --> 00:12:08,980

ready to do that realization is what led

244

00:12:14,639 --> 00:12:11,920

us to decide okay we need to take the

245

00:12:16,699 --> 00:12:14,649

Sun teachers need help we have a lot of

246

00:12:19,439 --> 00:12:16,709

experience at NCIC and dealing with

247

00:12:21,569 --> 00:12:19,449

political promises i mean you know we're

248

00:12:23,340 --> 00:12:21,579

we're very good at helping you write a

249

00:12:25,470 --> 00:12:23,350

letter to the school board or helping

250

00:12:27,480 --> 00:12:25,480

you shape a presentation to the pool

251

00:12:29,759 --> 00:12:27,490

school board that will be effective or

252

00:12:32,850 --> 00:12:29,769

helping you craft an argument that will

253

00:12:35,309 --> 00:12:32,860

be effective with a decision maker a

254

00:12:37,410 --> 00:12:35,319

legislature or whatever and that is the

255

00:12:39,660 --> 00:12:37,420

help that we hope we can offer to

256

00:12:42,679 --> 00:12:39,670

teachers as they're wrestling with this

257

00:12:44,970 --> 00:12:42,689

new problem as climate change it just

258

00:12:47,069 --> 00:12:44,980

occurred to me just came across my mind

259

00:12:48,660 --> 00:12:47,079

as you're speaking the old phrase that

260

00:12:51,689 --> 00:12:48,670

they've been battling for years old

261

00:12:55,799 --> 00:12:51,699

evolution is just a theory of course and

262

00:12:56,879 --> 00:12:55,809

we know how flawed that is I just wonder

263

00:12:59,549 --> 00:12:56,889

how they're going to approach someone

264

00:13:02,549 --> 00:12:59,559

like you in this organization now coming

265

00:13:04,650 --> 00:13:02,559

in to bat for the status quo the

266

00:13:07,379 --> 00:13:04,660

consensus what the opposition are going

267

00:13:09,119 --> 00:13:07,389

to come up with to say Oh climate change

268

00:13:10,949 --> 00:13:09,129

is just a theory they're going to use

269

00:13:13,319 --> 00:13:10,959

that what do you think they will attack

270

00:13:14,970 --> 00:13:13,329

the science yeah they are attacking the

271

00:13:17,549 --> 00:13:14,980

science this is what we're learning is

272

00:13:19,639 --> 00:13:17,559

we're becoming more and more familiar

273

00:13:23,460 --> 00:13:19,649

with both the science as well as the

274

00:13:27,299 --> 00:13:23,470

denialist arguments against it that is

275

00:13:33,150 --> 00:13:27,309

of course a tried and true approach it

276

00:13:37,259 --> 00:13:33,160

was used by those who didn't believe

277

00:13:39,799 --> 00:13:37,269

that there should be changes made in the

278

00:13:42,299 --> 00:13:39,809

production of products that had

279

00:13:45,710 --> 00:13:42,309

chlorofluorocarbons when the ozone hole

280

00:13:48,840 --> 00:13:45,720

was revealed as you know a dangerous

281

00:13:51,199 --> 00:13:48,850

item at a dangerous phenomenon that was

282

00:13:53,699 --> 00:13:51,209

taking place back in the 80s and that

283

00:13:57,269 --> 00:13:53,709

chain you know restriction should be

284

00:13:59,429 --> 00:13:57,279

made on manufacturers of these of this

285

00:14:00,260 --> 00:13:59,439

chemical because it was contributing to

286

00:14:03,530 --> 00:14:00,270

a growth and the

287

00:14:05,720 --> 00:14:03,540

oh no well what was that the tried and

288

00:14:07,820 --> 00:14:05,730

true approaches you attack the science

289

00:14:09,340 --> 00:14:07,830

well the site the jury is still out

290

00:14:11,510 --> 00:14:09,350

we're not really sure whether

291

00:14:13,160 --> 00:14:11,520

chlorofluorocarbons really do produce

292

00:14:16,070 --> 00:14:13,170

this effect we shouldn't make any

293

00:14:17,870 --> 00:14:16,080

restrictions on the economy because

294

00:14:19,940 --> 00:14:17,880

people will you lose jobs and this is

295

00:14:22,400 --> 00:14:19,950

bad for capitalism etc the same old

296

00:14:25,430 --> 00:14:22,410

arguments it's a tried and true strategy

297

00:14:28,910 --> 00:14:25,440

for the tobacco companies when they

298

00:14:32,210 --> 00:14:28,920

denied that the consumption of smoke

299

00:14:35,000 --> 00:14:32,220

caused lung cancer and heart disease and

300

00:14:37,220 --> 00:14:35,010

other problems the jury is still out the

301  
00:14:39,050 --> 00:14:37,230  
science is still unsettled we have our

302  
00:14:40,730 --> 00:14:39,060  
scientists that say a you have your

303  
00:14:42,740 --> 00:14:40,740  
scientists that say be so therefore we

304  
00:14:45,020 --> 00:14:42,750  
shouldn't take any action yeah yeah

305  
00:14:46,790 --> 00:14:45,030  
exactly the same rule as long as they do

306  
00:14:48,080 --> 00:14:46,800  
a tabloid television back home

307  
00:14:50,720 --> 00:14:48,090  
especially they'll present too

308  
00:14:54,230 --> 00:14:50,730  
ridiculous sides of an argument and say

309  
00:14:55,700 --> 00:14:54,240  
well you decide what you've got some

310  
00:14:58,730 --> 00:14:55,710  
familiarity with that haven't you oh

311  
00:15:00,830 --> 00:14:58,740  
yeah yes indeedy so we'll which is

312  
00:15:04,040 --> 00:15:00,840  
absurd I mean you give people two

313  
00:15:05,840 --> 00:15:04,050

cartoon versions of an argument tell

314

00:15:07,820 --> 00:15:05,850

them to the side and as if they could

315

00:15:11,240 --> 00:15:07,830

make an informed decision it's just

316

00:15:13,940 --> 00:15:11,250

ridiculous the the argument with tobacco

317

00:15:16,160 --> 00:15:13,950

and with the global excuse me with the

318

00:15:19,040 --> 00:15:16,170

ozone hole and other scientific quote

319

00:15:21,290 --> 00:15:19,050

controversies and of course currently

320

00:15:24,340 --> 00:15:21,300

with the problem with the global warming

321

00:15:27,410 --> 00:15:24,350

is that there is a scientific consensus

322

00:15:29,300 --> 00:15:27,420

there was fairly quickly a consensus

323

00:15:32,540 --> 00:15:29,310

among medical researchers that tobacco

324

00:15:35,270 --> 00:15:32,550

is bad for you yes okay and there is

325

00:15:37,700 --> 00:15:35,280

currently a consensus among scientists

326

00:15:40,640 --> 00:15:37,710

and especially climate scientists that

327

00:15:43,160 --> 00:15:40,650

global warming is occurring big chunk of

328

00:15:45,770 --> 00:15:43,170

it as anthropogenic and people need to

329

00:15:48,740 --> 00:15:45,780

know about this and there are actions

330

00:15:52,100 --> 00:15:48,750

that one might assume would the society

331

00:15:54,620 --> 00:15:52,110

would take as a result of this in order

332

00:15:57,650 --> 00:15:54,630

to stop these actions the claim is made

333

00:15:59,570 --> 00:15:57,660

by the anti global warming people that

334

00:16:01,850 --> 00:15:59,580

the science is still out we have our

335

00:16:03,680 --> 00:16:01,860

scientists we have this list of 30,000

336

00:16:06,350 --> 00:16:03,690

scientists which something else we can

337

00:16:08,720 --> 00:16:06,360

talk about which you know only goes to

338

00:16:09,380 --> 00:16:08,730

show that or we have these websites that

339

00:16:12,620 --> 00:16:09,390

are written

340

00:16:14,390 --> 00:16:12,630

I scientist you that show that the the

341

00:16:17,000 --> 00:16:14,400

science of global warming is not settled

342

00:16:23,240 --> 00:16:17,010

it's not a consensus we we shouldn't be

343

00:16:28,400 --> 00:16:23,250

taking action NCSE is a very small

344

00:16:31,040 --> 00:16:28,410

operation we don't take a position on

345

00:16:34,060 --> 00:16:31,050

policy issues we're not going to argue

346

00:16:36,800 --> 00:16:34,070

that you should go for a cap-and-trade

347

00:16:38,900 --> 00:16:36,810

versus carbon tax or carbon tax versus

348

00:16:40,790 --> 00:16:38,910

cap and trade or any other kind of

349

00:16:43,250 --> 00:16:40,800

specific policy issue we're not a policy

350

00:16:44,750 --> 00:16:43,260

institute we shouldn't venture where we

351  
00:16:47,090 --> 00:16:44,760  
don't have expertise this is a big issue

352  
00:16:49,970 --> 00:16:47,100  
in Australia well I know it's you yeah

353  
00:16:51,800 --> 00:16:49,980  
it's great and it's wonderful that your

354  
00:16:53,780 --> 00:16:51,810  
government is taking enough interest and

355  
00:16:55,130 --> 00:16:53,790  
accepts the fact that the planet is

356  
00:16:56,870 --> 00:16:55,140  
getting warmer we're not there yet

357  
00:17:00,260 --> 00:16:56,880  
you're way ahead of us in that regard

358  
00:17:02,300 --> 00:17:00,270  
but you know as a small non policy kind

359  
00:17:04,040 --> 00:17:02,310  
of institution we're going to focus on

360  
00:17:05,990 --> 00:17:04,050  
what we are good at what we are good at

361  
00:17:08,300 --> 00:17:06,000  
is helping teachers cope with these

362  
00:17:10,130 --> 00:17:08,310  
kinds of problems and we're not going to

363  
00:17:13,910 --> 00:17:10,140

take any positions on what should be

364

00:17:16,910 --> 00:17:13,920

done about it although our basic foods

365

00:17:18,980 --> 00:17:16,920

positioned as a science organization

366

00:17:21,949 --> 00:17:18,990

really and most of my staff are

367

00:17:24,980 --> 00:17:21,959

scientists is that whatever decision

368

00:17:26,990 --> 00:17:24,990

society chooses to make about these very

369

00:17:30,590 --> 00:17:27,000

important issues should be firmly

370

00:17:33,680 --> 00:17:30,600

grounded in sound science that's the key

371

00:17:36,380 --> 00:17:33,690

that's the key just another thought that

372

00:17:40,280 --> 00:17:36,390

crossed my mind as we were chatting back

373

00:17:43,370 --> 00:17:40,290

home the the leading voices shall I say

374

00:17:46,100 --> 00:17:43,380

and for climate change denial seem to be

375

00:17:48,680 --> 00:17:46,110

right wing shock jocks not from anything

376

00:17:50,920 --> 00:17:48,690

else they'd like to bluster and yell on

377

00:17:53,750 --> 00:17:50,930

the radio and one of the most absurd

378

00:17:55,490 --> 00:17:53,760

arguments I've ever heard about about

379

00:17:58,100 --> 00:17:55,500

this whole situation is there'll be a

380

00:17:59,690 --> 00:17:58,110

cold day somewhere in Australia freezing

381

00:18:02,270 --> 00:17:59,700

conditions you know unusually cold and

382

00:18:04,160 --> 00:18:02,280

they'll use that safe what climate

383

00:18:05,780 --> 00:18:04,170

change look the Earth's getting cold are

384

00:18:07,730 --> 00:18:05,790

you crazy there's no climate change and

385

00:18:10,100 --> 00:18:07,740

it's just there there's no global

386

00:18:12,140 --> 00:18:10,110

warming because it's cold over here yeah

387

00:18:15,740 --> 00:18:12,150

and of course a couple years ago in this

388

00:18:18,560 --> 00:18:15,750

in Washington DC they had thigh-high

389

00:18:21,020 --> 00:18:18,570

snow yeah I mean this was phenomenal and

390

00:18:21,690 --> 00:18:21,030

of course there you go you see the case

391

00:18:23,310 --> 00:18:21,700

all the

392

00:18:24,870 --> 00:18:23,320

Global so what do you mean it's getting

393

00:18:28,440 --> 00:18:24,880

warmer look at all the snow that we

394

00:18:31,379 --> 00:18:28,450

haven't and of course one reason why

395

00:18:32,879 --> 00:18:31,389

many communicators started talking about

396

00:18:35,159 --> 00:18:32,889

climate change rather than global

397

00:18:38,370 --> 00:18:35,169

warming even though global warming is at

398

00:18:40,710 --> 00:18:38,380

the heart of the global climate changes

399

00:18:43,620 --> 00:18:40,720

that are taking place all over the the

400

00:18:46,110 --> 00:18:43,630

planet it's maybe less confusing to

401  
00:18:48,200 --> 00:18:46,120  
people to think about the climate

402  
00:18:51,210 --> 00:18:48,210  
changing rather than warming because

403  
00:18:53,279 --> 00:18:51,220  
we're getting more snow here or less you

404  
00:18:55,830 --> 00:18:53,289  
know or more cold here the fact of the

405  
00:18:57,509 --> 00:18:55,840  
matter is that the chunk of a climate is

406  
00:19:00,990 --> 00:18:57,519  
going to be intensified and patterns are

407  
00:19:02,820 --> 00:19:01,000  
going to change it yep salaam and we're

408  
00:19:05,039 --> 00:19:02,830  
not entirely sure exactly what's going

409  
00:19:07,590 --> 00:19:05,049  
to happen but we should expect more

410  
00:19:11,009 --> 00:19:07,600  
snows say the climatologist because as

411  
00:19:12,810 --> 00:19:11,019  
the planet warms the atmosphere holds

412  
00:19:15,950 --> 00:19:12,820  
more moisture which means we're going to

413  
00:19:18,750 --> 00:19:15,960

get more rain more snow although not

414

00:19:21,750 --> 00:19:18,760

uniformly they're going to be because of

415

00:19:24,000 --> 00:19:21,760

changes in ocean temperature which is a

416

00:19:26,759 --> 00:19:24,010

very scary phenomenon I believe because

417

00:19:29,180 --> 00:19:26,769

of changes in ocean temperature currents

418

00:19:32,549 --> 00:19:29,190

are going to change and that means that

419

00:19:34,289 --> 00:19:32,559

places that I mean one very frightening

420

00:19:36,029 --> 00:19:34,299

possibility is that Northern Europe

421

00:19:38,370 --> 00:19:36,039

might get a heck of a lot colder than it

422

00:19:40,259 --> 00:19:38,380

is now if there are substantial changes

423

00:19:45,539 --> 00:19:40,269

in the Gulf Stream moving further south

424

00:19:48,210 --> 00:19:45,549

which may happen and of course the we do

425

00:19:49,860 --> 00:19:48,220

have measured we do have measurements

426  
00:19:52,019 --> 00:19:49,870  
showing that the ocean is getting warmer

427  
00:19:54,269 --> 00:19:52,029  
and the ocean is a huge driver of

428  
00:19:56,879 --> 00:19:54,279  
climate the whole discussion of la la

429  
00:19:58,769 --> 00:19:56,889  
ninia El Nino and so forth that is

430  
00:20:00,210 --> 00:19:58,779  
basically having to do with oceanic

431  
00:20:03,210 --> 00:20:00,220  
temperatures and the changes that take

432  
00:20:07,049 --> 00:20:03,220  
place over over a period of a couple of

433  
00:20:08,909 --> 00:20:07,059  
years so we should expect the climate to

434  
00:20:12,480 --> 00:20:08,919  
change and it is going to have effects

435  
00:20:15,480 --> 00:20:12,490  
on the planet as a whole both land

436  
00:20:17,519 --> 00:20:15,490  
atmosphere and ocean and of course the

437  
00:20:20,700 --> 00:20:17,529  
fundamental root of this climate change

438  
00:20:23,009 --> 00:20:20,710

which is the bigger picture is global

439

00:20:27,330 --> 00:20:23,019

warming because it is the warming of the

440

00:20:32,580 --> 00:20:27,340

planet as a whole because largely of the

441

00:20:37,960 --> 00:20:35,230

warming gases shall we say that is

442

00:20:39,820 --> 00:20:37,970

getting into the atmosphere and creating

443

00:20:42,009 --> 00:20:39,830

this what sometimes referred to as the

444

00:20:44,860 --> 00:20:42,019

greenhouse effect but certainly it is

445

00:20:46,840 --> 00:20:44,870

increasing the amount of warmth that is

446

00:20:48,850 --> 00:20:46,850

being retained by the atmosphere it's

447

00:20:51,419 --> 00:20:48,860

not you know and of course you know I

448

00:20:54,759 --> 00:20:51,429

mean there's so many frightening and

449

00:20:57,399 --> 00:20:54,769

fascinating and one end things that are

450

00:21:01,539 --> 00:20:57,409

going on as the climate warms the polar

451  
00:21:03,310 --> 00:21:01,549  
ice caps reduce we're seeing this very

452  
00:21:06,549 --> 00:21:03,320  
clearly with the north with a northern

453  
00:21:09,610 --> 00:21:06,559  
ice cap and that in itself is going to

454  
00:21:13,659 --> 00:21:09,620  
increase the warming rate more quickly

455  
00:21:15,310 --> 00:21:13,669  
because some sunlight is not going to be

456  
00:21:19,720 --> 00:21:15,320  
reflected off the poles it's going to be

457  
00:21:22,000 --> 00:21:19,730  
absorbed by the by the darker Oceanics

458  
00:21:24,009 --> 00:21:22,010  
surface at there so there's lots and

459  
00:21:26,460 --> 00:21:24,019  
lots of things to be conscious about Wow

460  
00:21:29,289 --> 00:21:26,470  
Jeanie is if as if your mind wasn't

461  
00:21:31,090 --> 00:21:29,299  
completely chock-a-block full of what

462  
00:21:33,279 --> 00:21:31,100  
you've been concentrating on for them

463  
00:21:36,399 --> 00:21:33,289

last many years now this whole other

464

00:21:38,019 --> 00:21:36,409

realm has come in and I can't even

465

00:21:39,460 --> 00:21:38,029

imagine the correspondence in the

466

00:21:41,440 --> 00:21:39,470

battles you're going to be entering into

467

00:21:43,450 --> 00:21:41,450

with this because I mean I've seen

468

00:21:45,399 --> 00:21:43,460

people who are passionate on about

469

00:21:49,090 --> 00:21:45,409

creationism and we both have of course

470

00:21:52,480 --> 00:21:49,100

but the passion that is stirred for on

471

00:21:54,730 --> 00:21:52,490

this issue is in all my years and it

472

00:21:58,419 --> 00:21:54,740

does generate the most passion I've seen

473

00:21:59,830 --> 00:21:58,429

I've been I gave a talk once and in the

474

00:22:02,730 --> 00:21:59,840

questions and answers I talked about

475

00:22:06,129 --> 00:22:02,740

general skepticism paranormal stuff and

476

00:22:08,259 --> 00:22:06,139

someone in the audience demanded to know

477

00:22:09,820 --> 00:22:08,269

my views on the carbon tax and climate

478

00:22:11,350 --> 00:22:09,830

change it I said look I'm sorry I'm not

479

00:22:13,810 --> 00:22:11,360

here to talk about that and he was

480

00:22:16,060 --> 00:22:13,820

offended and I wouldn't even talk about

481

00:22:18,430 --> 00:22:16,070

the subject so I which was not even

482

00:22:20,080 --> 00:22:18,440

relevant to the touch was exactly but I

483

00:22:21,759 --> 00:22:20,090

was a skeptic you see all you must be

484

00:22:23,139 --> 00:22:21,769

and this is a big issue our Australia as

485

00:22:25,210 --> 00:22:23,149

you point out what is a big issue in

486

00:22:27,759 --> 00:22:25,220

Australia well let's take a break from

487

00:22:30,430 --> 00:22:27,769

that genie let's let's have a little

488

00:22:32,649 --> 00:22:30,440

wander around the National Center for

489

00:22:35,649 --> 00:22:32,659

Science Education here poke around some

490

00:22:37,930 --> 00:22:35,659

of the rooms very good and I would also

491

00:22:40,840 --> 00:22:37,940

want to introduce you to my new staff

492

00:22:42,000 --> 00:22:40,850

member mark McCaffrey who is a climate

493

00:22:43,980 --> 00:22:42,010

scientist

494

00:22:47,480 --> 00:22:43,990

and a specialist in climate science

495

00:22:50,430 --> 00:22:47,490

education and he is going to be our

496

00:22:54,870 --> 00:22:50,440

strong right arm here dealing with this

497

00:22:56,910 --> 00:22:54,880

issue oui oui as you say we've spent 25

498

00:22:59,450 --> 00:22:56,920

plus years talking about evolution at

499

00:23:01,710 --> 00:22:59,460

NCSE and most of us on staff are

500

00:23:03,600 --> 00:23:01,720

evolutionary scientists have one form or

501  
00:23:06,030 --> 00:23:03,610  
another biologists are geologists or

502  
00:23:08,580 --> 00:23:06,040  
anthropologist or something so we needed

503  
00:23:12,060 --> 00:23:08,590  
to have that additional scientific

504  
00:23:13,980 --> 00:23:12,070  
strength on staff we felt that you know

505  
00:23:14,940 --> 00:23:13,990  
we can we're all smart people we're

506  
00:23:17,310 --> 00:23:14,950  
going to learn a great deal about

507  
00:23:19,350 --> 00:23:17,320  
climate science but we're not going to

508  
00:23:20,790 --> 00:23:19,360  
you know it's not like you have somebody

509  
00:23:22,050 --> 00:23:20,800  
who's trained in this field and has

510  
00:23:24,360 --> 00:23:22,060  
really been working in this field for

511  
00:23:28,140 --> 00:23:24,370  
years and years and we're delighted to

512  
00:23:30,240 --> 00:23:28,150  
have obtained marks services he will he

513  
00:23:32,610 --> 00:23:30,250

just started working for us full-time in

514

00:23:34,140 --> 00:23:32,620

January so he's our newest guy and now

515

00:23:35,250 --> 00:23:34,150

be sure that you meet him on our tour

516

00:23:37,410 --> 00:23:35,260

all right well let's have a little

517

00:23:39,750 --> 00:23:37,420

wonder around and see who we can see in

518

00:23:43,649 --> 00:23:39,760

what we can see all right and be sure to

519

00:23:50,590 --> 00:23:47,799

and coming up after the break Eugenie

520

00:24:06,700 --> 00:23:50,600

Scott takes us on a tour of the National

521

00:24:08,529 --> 00:24:06,710

Center for Science Education hi my name

522

00:24:10,990 --> 00:24:08,539

is Erica dining and I recently published

523

00:24:13,480 --> 00:24:11,000

a book my dad is Brian Dunning from

524

00:24:15,009 --> 00:24:13,490

scaphoid com the title of my book is

525

00:24:17,950 --> 00:24:15,019

polar bear in the trial of leadership

526

00:24:20,560 --> 00:24:17,960

you can find it on amazon.com or through

527

00:24:22,480 --> 00:24:20,570

the link at skeptic zone TV it is an

528

00:24:24,100 --> 00:24:22,490

adventure novel about the trials of a

529

00:24:26,320 --> 00:24:24,110

group of animals trying to escape a

530

00:24:28,269 --> 00:24:26,330

corrupt Queen this book is great for

531

00:24:30,789 --> 00:24:28,279

families adolescents and children alike

532

00:24:32,379 --> 00:24:30,799

and here it is again polar bear in the

533

00:24:37,629 --> 00:24:32,389

trial of leadership by arachidonic

534

00:24:40,450 --> 00:24:37,639

Thanks hi this is brian dunning from

535

00:24:41,889 --> 00:24:40,460

sceptile calm the best way to share the

536

00:24:43,629 --> 00:24:41,899

benefits of critical thinking and

537

00:24:46,330 --> 00:24:43,639

science with someone who doesn't listen

538

00:24:48,700 --> 00:24:46,340

to podcasts is to give them a book I

539

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

invite you to check out my newest book

540

00:24:54,369 --> 00:24:50,720

based on selected episodes of The

541

00:24:58,210 --> 00:24:54,379

sceptile cast skep tied three pirates

542

00:25:00,700 --> 00:24:58,220

pyramids and papyrus 50 chapters contain

543

00:25:03,009 --> 00:25:00,710

something for everyone questions you've

544

00:25:05,639 --> 00:25:03,019

always wondered about and subjects to

545

00:25:09,070 --> 00:25:05,649

intrigue and challenge your friends

546

00:25:10,960 --> 00:25:09,080

pirates pyramids and papyrus by Brian

547

00:25:13,629 --> 00:25:10,970

Dunning with a foreword by Richard

548

00:25:15,129 --> 00:25:13,639

Saunders of the Australian skeptics it's

549

00:25:18,070 --> 00:25:15,139

available now from major online

550

00:25:21,249 --> 00:25:18,080

booksellers as a paperback and as an

551  
00:25:24,820 --> 00:25:21,259  
e-book or get a personalized copy from

552  
00:25:35,340 --> 00:25:24,830  
sceptile calm I'm Brian Dunning from

553  
00:25:40,000 --> 00:25:37,600  
so we're here at the National Center for

554  
00:25:42,850 --> 00:25:40,010  
Science Education and it's a nice little

555  
00:25:45,540 --> 00:25:42,860  
building here in Oakland and desk ah you

556  
00:25:48,130 --> 00:25:45,550  
should see it folks as a wonderful

557  
00:25:50,050 --> 00:25:48,140  
mobile crop circle I'm looking at the

558  
00:25:51,700 --> 00:25:50,060  
mobile of the solar system are you

559  
00:25:53,920 --> 00:25:51,710  
hanging from the ceiling which is that's

560  
00:25:57,880 --> 00:25:53,930  
really nice that's all the planets crop

561  
00:26:00,700 --> 00:25:57,890  
circle of your older logo on the wall a

562  
00:26:02,350 --> 00:26:00,710  
picture there's a giant inflatable globe

563  
00:26:05,470 --> 00:26:02,360

of the earth just hanging off a pipe

564

00:26:07,540 --> 00:26:05,480

Charles Darwin dolly hang on the wall

565

00:26:09,400 --> 00:26:07,550

there are dinosaurs and birds hanging

566

00:26:13,120 --> 00:26:09,410

from the ceiling there's a t-rex

567

00:26:14,950 --> 00:26:13,130

skeleton over there GV what what must it

568

00:26:17,920 --> 00:26:14,960

be like to what would come here to work

569

00:26:22,300 --> 00:26:17,930

every day oh great fun it's great fun

570

00:26:25,510 --> 00:26:22,310

it's a mi I actually am NOT the interior

571

00:26:28,660 --> 00:26:25,520

decorator of nco CDs mostly have been

572

00:26:31,830 --> 00:26:28,670

strung up by colleagues of mine who gee

573

00:26:35,890 --> 00:26:31,840

we just got a new new pterodactyl

574

00:26:38,320 --> 00:26:35,900

inflatable toy let's hang it up so yeah

575

00:26:41,320 --> 00:26:38,330

that works what I wrote I can see in at

576

00:26:43,270 --> 00:26:41,330

least four from one two three four

577

00:26:45,040 --> 00:26:43,280

pteroctyls hanging from various bits

578

00:26:46,990 --> 00:26:45,050

of the sea I get the most suspect David

579

00:26:50,020 --> 00:26:47,000

almond Smith is responsible for that

580

00:26:52,750 --> 00:26:50,030

he's he has a great sense of play and we

581

00:26:53,920 --> 00:26:52,760

we benefit greatly from his now a lot of

582

00:26:58,240 --> 00:26:53,930

these things have been sent to us by

583

00:27:02,650 --> 00:26:58,250

members we have a a place of foot mat

584

00:27:06,210 --> 00:27:02,660

yeah whats whys it's a doorman doorman

585

00:27:08,470 --> 00:27:06,220

oh yeah you're not in Kansas anymore

586

00:27:09,880 --> 00:27:08,480

that was sent to us by one of our

587

00:27:11,890 --> 00:27:09,890

members but it's hanging on the wall

588

00:27:14,080 --> 00:27:11,900

it's hanging on the wall and mostly we

589

00:27:15,970 --> 00:27:14,090

take photographs of when we get visitors

590

00:27:19,030 --> 00:27:15,980

yeah we usually pose them beneath the

591

00:27:20,740 --> 00:27:19,040

you're not in Kansas anymore Matt so so

592

00:27:24,430 --> 00:27:20,750

it doesn't get one idea one of you in

593

00:27:26,590 --> 00:27:24,440

under the doormat and but that of course

594

00:27:30,400 --> 00:27:26,600

is as an in-joke in that the state of

595

00:27:32,410 --> 00:27:30,410

Kansas has had a history over time of

596

00:27:34,000 --> 00:27:32,420

wrestling with the creationism and

597

00:27:36,100 --> 00:27:34,010

evolution issue and their state board of

598

00:27:39,190 --> 00:27:36,110

education made a number of very poor

599

00:27:42,460 --> 00:27:39,200

decisions back especially from about

600

00:27:45,490 --> 00:27:42,470

to about 2005 and so Kansas kind of

601  
00:27:47,560 --> 00:27:45,500  
became something of a of a catchword for

602  
00:27:49,269 --> 00:27:47,570  
creationism in the country you're not in

603  
00:27:51,310 --> 00:27:49,279  
Kansas anymore it's a one it's you know

604  
00:27:53,259 --> 00:27:51,320  
it's it's sort of and that's a phrase of

605  
00:27:55,930 --> 00:27:53,269  
course from The Wizard of ID is it may

606  
00:27:57,610 --> 00:27:55,940  
be well we're not in canvassed Kansas

607  
00:27:59,769 --> 00:27:57,620  
anymore toto or something like Dorothy

608  
00:28:03,090 --> 00:27:59,779  
toto I don't think we're in Kansas

609  
00:28:05,950 --> 00:28:03,100  
anymore I know it this doormat is

610  
00:28:07,629 --> 00:28:05,960  
strategically placed I must say near one

611  
00:28:09,519 --> 00:28:07,639  
of the most famous rooms in the the

612  
00:28:12,759 --> 00:28:09,529  
whole place which is the the bathroom

613  
00:28:15,610 --> 00:28:12,769

it's true let's shall we take a trip

614

00:28:18,039 --> 00:28:15,620

open the door come into the bathroom

615

00:28:20,980 --> 00:28:18,049

with me Jeanne and it gets a little

616

00:28:24,490 --> 00:28:20,990

echoey it does and it's it's a room

617

00:28:26,500 --> 00:28:24,500

about the size of three or four phone

618

00:28:29,289 --> 00:28:26,510

boxes are you it's quite spacious for

619

00:28:31,000 --> 00:28:29,299

this rapidly about five or six but i

620

00:28:34,029 --> 00:28:31,010

need to you know something that's pretty

621

00:28:37,629 --> 00:28:34,039

odd science and we've taken advantage of

622

00:28:39,730 --> 00:28:37,639

the size by using the wall space to put

623

00:28:42,039 --> 00:28:39,740

some of our favorite correspondents it's

624

00:28:43,840 --> 00:28:42,049

one of this wall to wall correspondence

625

00:28:46,180 --> 00:28:43,850

and here up on big notice boards and

626

00:28:48,399 --> 00:28:46,190

good grief there's the other old emails

627

00:28:50,259 --> 00:28:48,409

and things and then press clatters and

628

00:28:52,779 --> 00:28:50,269

handwritten letters and things and i

629

00:28:55,870 --> 00:28:52,789

happen to notice that is even photograph

630

00:28:58,509 --> 00:28:55,880

of me and you're very lovely postcards

631

00:29:01,269 --> 00:28:58,519

are sent to NCSE and dr. Scott all the

632

00:29:03,279 --> 00:29:01,279

best look at very grim with my big spoon

633

00:29:04,960 --> 00:29:03,289

yes indeed well I can understand why you

634

00:29:08,259 --> 00:29:04,970

have tomato soup all over my shirt

635

00:29:10,509 --> 00:29:08,269

result of that bent but we have we have

636

00:29:14,049 --> 00:29:10,519

our favorite stuff on here and it's it's

637

00:29:17,230 --> 00:29:14,059

from a variety of sources things from

638

00:29:20,200 --> 00:29:17,240

people who you know have said very very

639

00:29:22,000 --> 00:29:20,210

nice things about us someplace here

640

00:29:25,200 --> 00:29:22,010

although right now of course I'm not

641

00:29:29,620 --> 00:29:25,210

finding it we have a very nice note from

642

00:29:31,600 --> 00:29:29,630

Nobel laureate steven weinberg talking

643

00:29:33,759 --> 00:29:31,610

about you know how important our

644

00:29:35,710 --> 00:29:33,769

wordless ends good times there are so

645

00:29:37,570 --> 00:29:35,720

may dismiss so lovely so many things

646

00:29:39,139 --> 00:29:37,580

stuck everywhere it's I'm not suppose

647

00:29:43,219 --> 00:29:39,149

you know we have

648

00:29:45,049 --> 00:29:43,229

other male like so you're the dirty

649

00:29:46,759 --> 00:29:45,059

bastards responsible for shoving that

650

00:29:48,829 --> 00:29:46,769

liberal down our kids throats

651  
00:29:50,119 --> 00:29:48,839  
you should be ashamed of ourselves may

652  
00:29:52,009 --> 00:29:50,129  
Almighty God the creator of all things

653  
00:29:54,560 --> 00:29:52,019  
have mercy on your soul so you not

654  
00:29:57,229 --> 00:29:54,570  
everybody's a fan but he left it with a

655  
00:29:58,879 --> 00:29:57,239  
nice sentence at the end yet he was

656  
00:30:00,589 --> 00:29:58,889  
wishing you well in the strange sir and

657  
00:30:02,209 --> 00:30:00,599  
there's a parrot hanging down for the

658  
00:30:05,419 --> 00:30:02,219  
walls oh yeah it's a big sort of soft

659  
00:30:07,039 --> 00:30:05,429  
cuddly toy Yeah right now I thank you

660  
00:30:09,169 --> 00:30:07,049  
for calling attention we need to Destin

661  
00:30:13,959 --> 00:30:09,179  
parents oh yes it is a dusty card yes

662  
00:30:16,959 --> 00:30:13,969  
yeah this is true we do have we have a

663  
00:30:19,579 --> 00:30:16,969

letter from for young ladies apparently

664

00:30:21,589 --> 00:30:19,589

I'm a Christian my name is Brittany and

665

00:30:23,599 --> 00:30:21,599

I hate evolution I don't believe it your

666

00:30:25,789 --> 00:30:23,609

nonsense is just a bunch of fake and she

667

00:30:28,249 --> 00:30:25,799

goes on similarly but at the end she

668

00:30:32,389 --> 00:30:28,259

says haven't have a good day atheist

669

00:30:34,989 --> 00:30:32,399

people so in your friends so we have a

670

00:30:39,079 --> 00:30:34,999

number of things and one of my favorites

671

00:30:41,690 --> 00:30:39,089

one of my favorites is the the claim

672

00:30:44,180 --> 00:30:41,700

that I am the foremost terrestrial

673

00:30:47,089 --> 00:30:44,190

authority on Genesis and you know we we

674

00:30:49,639 --> 00:30:47,099

like that very much we we think that

675

00:30:52,789 --> 00:30:49,649

that's that that leaves a great deal of

676  
00:30:56,810 --> 00:30:52,799  
room for people to think about you know

677  
00:30:58,249 --> 00:30:56,820  
well as their a lunar Tristan that's

678  
00:31:00,169 --> 00:30:58,259  
already on Genesis well I'm actually

679  
00:31:02,060 --> 00:31:00,179  
imagine that the foremost authority

680  
00:31:04,310 --> 00:31:02,070  
would take the time to write to you is

681  
00:31:06,440 --> 00:31:04,320  
no one actually corresponds with us

682  
00:31:08,779 --> 00:31:06,450  
regularly in a mirror so we have good

683  
00:31:10,999 --> 00:31:08,789  
things and the cartoons on the wall here

684  
00:31:13,779 --> 00:31:11,009  
in press clippings with with you I see a

685  
00:31:15,950 --> 00:31:13,789  
couple became well I can see why my

686  
00:31:18,169 --> 00:31:15,960  
visit to your bathroom is certainly an

687  
00:31:20,749 --> 00:31:18,179  
experience when one visits the end

688  
00:31:24,079 --> 00:31:20,759

newcomers tend to spend a lot of time

689

00:31:26,509 --> 00:31:24,089

here I mean it it takes people a long

690

00:31:29,959 --> 00:31:26,519

time to get out of the bathroom but yes

691

00:31:33,320 --> 00:31:29,969

it's so i must say 11 that was rather

692

00:31:36,320 --> 00:31:33,330

fun as some number of years ago somebody

693

00:31:37,879 --> 00:31:36,330

wrote hello mrs. Scott IC or miss got I

694

00:31:39,560 --> 00:31:37,889

see your name everywhere and I see you

695

00:31:41,149 --> 00:31:39,570

get around lot so I thought I'd email

696

00:31:43,919 --> 00:31:41,159

you and offer to buy you dinner if you

697

00:31:46,080 --> 00:31:43,929

ever get to Tulsa yeah so I

698

00:31:49,980 --> 00:31:46,090

you have a date and also if I'm so mind

699

00:31:54,060 --> 00:31:49,990

so we get great mail both for and

700

00:31:55,710 --> 00:31:54,070

against and the the choice pieces end up

701  
00:31:57,659 --> 00:31:55,720  
in our bathroom so if anyone comes to

702  
00:31:59,190 --> 00:31:57,669  
visit should certainly a trip to the

703  
00:32:01,590 --> 00:31:59,200  
bathroom now we're just passing the

704  
00:32:04,499 --> 00:32:01,600  
giant inflatable globe and I'm proud to

705  
00:32:08,070 --> 00:32:04,509  
say that Australia is is prominent front

706  
00:32:10,289 --> 00:32:08,080  
and center although miss shapen there's

707  
00:32:12,239 --> 00:32:10,299  
a bay there is an inlet of something

708  
00:32:16,259 --> 00:32:12,249  
that I've never seen before it's just

709  
00:32:18,090 --> 00:32:16,269  
where the gods have come together it has

710  
00:32:18,930 --> 00:32:18,100  
to do with the seam of the plastic I

711  
00:32:23,279 --> 00:32:18,940  
don't think you should take it

712  
00:32:25,980 --> 00:32:23,289  
personally I very strange there we are

713  
00:32:28,109 --> 00:32:25,990

and when I look at this I realize what

714

00:32:30,180 --> 00:32:28,119

an amazing thing it is to fly from

715

00:32:32,669 --> 00:32:30,190

Sydney and I can actually see right over

716

00:32:35,100 --> 00:32:32,679

this why it takes so long for you to get

717

00:32:37,139 --> 00:32:35,110

to visit us at Richard who does we love

718

00:32:39,480 --> 00:32:37,149

it every time but yeah boy I'd tell you

719

00:32:42,359 --> 00:32:39,490

it's a it's a contribution to it's a

720

00:32:44,279 --> 00:32:42,369

it's fun yeah there's a lot of your

721

00:32:46,830 --> 00:32:44,289

visit long long hours on the airplane

722

00:32:48,659 --> 00:32:46,840

and there we're passing cubicles now

723

00:32:51,830 --> 00:32:48,669

with people very hard at work they re

724

00:32:56,159 --> 00:32:51,840

insurers this is a rayon David our

725

00:32:59,489 --> 00:32:56,169

support staff raise our business manager

726

00:33:02,220 --> 00:32:59,499

and director of operations now we're

727

00:33:04,529 --> 00:33:02,230

moving back into the back portion I

728

00:33:06,509 --> 00:33:04,539

seems to be a storage wrist isn't it you

729

00:33:08,840 --> 00:33:06,519

know it's now it's office space that's a

730

00:33:11,879 --> 00:33:08,850

good sign where and like the rest of the

731

00:33:15,450 --> 00:33:11,889

rooms here you have memorabilia

732

00:33:17,009 --> 00:33:15,460

everywhere another Darwin doll another

733

00:33:19,159 --> 00:33:17,019

Darwin doll there's a Darwin dollar

734

00:33:23,519 --> 00:33:19,169

there there's a devil rubber duckie a

735

00:33:26,039 --> 00:33:23,529

skeleton on a motorbike it it's quite

736

00:33:28,409 --> 00:33:26,049

funny ready yeah various various staff

737

00:33:30,269 --> 00:33:28,419

of sort of left different decorations so

738

00:33:32,039 --> 00:33:30,279

there in yon and so there you have it we

739

00:33:34,499 --> 00:33:32,049

also have a lovely little cute

740

00:33:36,600 --> 00:33:34,509

children's art painting of Noah's Ark

741

00:33:38,879 --> 00:33:36,610

there and well your Suzy is also very

742

00:33:40,560 --> 00:33:38,889

charming we haven't found a place to put

743

00:33:43,259 --> 00:33:40,570

that up yeah if people send us Darwin

744

00:33:46,379 --> 00:33:43,269

dolls a lot so we kind of done it hold

745

00:33:48,450 --> 00:33:46,389

you know schoolroom of Darwin dolls and

746

00:33:50,760 --> 00:33:48,460

but another place that i want to show

747

00:33:53,520 --> 00:33:50,770

you Richard come around the corner yeah

748

00:33:56,670 --> 00:33:53,530

favorite parts ovens right to the very

749

00:34:05,340 --> 00:33:56,680

back corner 0 through a mr. mysterious

750

00:34:08,669 --> 00:34:05,350

door shut that door has our library and

751  
00:34:10,980 --> 00:34:08,679  
archives Wow look at this really and of

752  
00:34:15,210 --> 00:34:10,990  
course I'm storage too as well but we

753  
00:34:18,240 --> 00:34:15,220  
have one two three four bookshelves two

754  
00:34:20,520 --> 00:34:18,250  
rows of books on each side one to grieve

755  
00:34:22,230 --> 00:34:20,530  
you have five tiers so I don't such

756  
00:34:24,060 --> 00:34:22,240  
every logger eyes could tell you exactly

757  
00:34:26,040 --> 00:34:24,070  
how many books how many volumes we have

758  
00:34:28,980 --> 00:34:26,050  
in our library but it's been building up

759  
00:34:30,840 --> 00:34:28,990  
over the years and we have in our

760  
00:34:33,360 --> 00:34:30,850  
library there's two kinds of books

761  
00:34:36,389 --> 00:34:33,370  
basically we have regular straight

762  
00:34:38,100 --> 00:34:36,399  
science books on evolution number of

763  
00:34:39,630 --> 00:34:38,110

books on Darwin and you don't and so

764

00:34:41,820 --> 00:34:39,640

forth and so on but then we also have

765

00:34:44,780 --> 00:34:41,830

the creationist libraries have to done

766

00:34:47,940 --> 00:34:44,790

and yes exactly because they are not as

767

00:34:50,190 --> 00:34:47,950

likely to be found in your library in

768

00:34:52,380 --> 00:34:50,200

your public lives is the greatest it's

769

00:34:54,960 --> 00:34:52,390

all it's mixed up it's mixed up I just

770

00:34:59,880 --> 00:34:54,970

noticing the first thing I see here the

771

00:35:01,950 --> 00:34:59,890

flood there we go life itself all sort

772

00:35:03,630 --> 00:35:01,960

of Galilee so many books here folks

773

00:35:06,330 --> 00:35:03,640

hundreds and hundreds and hundreds on

774

00:35:11,220 --> 00:35:06,340

the topic several hundreds yeah and but

775

00:35:15,840 --> 00:35:11,230

maybe what's even more interesting to to

776

00:35:17,820 --> 00:35:15,850

scholars we do get scholars literally

777

00:35:19,350 --> 00:35:17,830

from around the world who are interested

778

00:35:21,330 --> 00:35:19,360

in the American creationism and

779

00:35:23,820 --> 00:35:21,340

evolution controversy they will come

780

00:35:25,140 --> 00:35:23,830

here to use our archives not so much the

781

00:35:28,950 --> 00:35:25,150

books that we've just been looking at

782

00:35:34,820 --> 00:35:28,960

you but the files the final shelf here

783

00:35:40,830 --> 00:35:37,680

creationist controversies in various

784

00:35:43,140 --> 00:35:40,840

states just looking here here's one the

785

00:35:46,740 --> 00:35:43,150

Alabama textbook disclaimer case Darby

786

00:35:48,570 --> 00:35:46,750

Montana we have Salman versus cobb

787

00:35:51,030 --> 00:35:48,580

county that was a big legal case we've

788

00:35:53,040 --> 00:35:51,040

got a lot of stuff there we have the

789

00:35:55,230 --> 00:35:53,050

archives of course from kitsmiller vs.

790

00:36:00,170 --> 00:35:55,240

Dover I beg you do do that's and that's

791

00:36:04,280 --> 00:36:00,180

a good and also some some journals

792

00:36:08,270 --> 00:36:04,290

students for origins research this is

793

00:36:11,510 --> 00:36:08,280

you know going way way back to look

794

00:36:12,950 --> 00:36:11,520

really in 1978 oh wow and actually this

795

00:36:17,950 --> 00:36:12,960

might be of interest to some of your

796

00:36:22,400 --> 00:36:17,960

listeners yeah it was it was when our

797

00:36:25,880 --> 00:36:22,410

archivist of the time was helping staff

798

00:36:27,710 --> 00:36:25,890

find materials that would be relevant to

799

00:36:33,170 --> 00:36:27,720

the kids mother versus Dover case back

800

00:36:35,510 --> 00:36:33,180

in 2004-2005 one of the things that we

801  
00:36:37,880 --> 00:36:35,520  
did was go back and look through some of

802  
00:36:42,760 --> 00:36:37,890  
this old archival material from the 70s

803  
00:36:45,920 --> 00:36:42,770  
and 80s and she was able to find an

804  
00:36:47,480 --> 00:36:45,930  
article from the students for origins

805  
00:36:50,930 --> 00:36:47,490  
research from fall of nineteen

806  
00:36:54,080 --> 00:36:50,940  
eighty-one yeah might even take a

807  
00:36:56,720 --> 00:36:54,090  
photograph of this unbiased biology

808  
00:37:00,080 --> 00:36:56,730  
textbook plans to move and this was a

809  
00:37:02,180 --> 00:37:00,090  
reference to a book that was planned by

810  
00:37:04,970 --> 00:37:02,190  
the foundation for thought and ethics

811  
00:37:07,460 --> 00:37:04,980  
Charles B thaxton talking about how they

812  
00:37:10,430 --> 00:37:07,470  
wanted to produce a book that would be a

813  
00:37:12,230 --> 00:37:10,440

high school biology supplement which

814

00:37:14,420 --> 00:37:12,240

would have both creation and evolution

815

00:37:17,210 --> 00:37:14,430

in it and this would be you know

816

00:37:18,740 --> 00:37:17,220

supposedly suitable to be sold in public

817

00:37:20,630 --> 00:37:18,750

schools they were going to try to go

818

00:37:24,080 --> 00:37:20,640

into the textbook market now remember

819

00:37:27,070 --> 00:37:24,090

this was the date on this of course was

820

00:37:30,740 --> 00:37:27,080

nineteen eighty-one this is before the

821

00:37:32,650 --> 00:37:30,750

courts decisions that declared that the

822

00:37:35,180 --> 00:37:32,660

teaching of creationism was

823

00:37:36,770 --> 00:37:35,190

unconstitutional you could not bring so

824

00:37:38,600 --> 00:37:36,780

this was still when they thought they

825

00:37:41,390 --> 00:37:38,610

would be able to do this well this was

826

00:37:44,360 --> 00:37:41,400

this planned book was the ancestor of

827

00:37:46,400 --> 00:37:44,370

the book that eventually was produced by

828

00:37:49,310 --> 00:37:46,410

thaxton and the foundation for thought

829

00:37:51,890 --> 00:37:49,320

and ethics of pandas and people which

830

00:37:54,590 --> 00:37:51,900

was very significant in the hold over

831

00:37:56,240 --> 00:37:54,600

Pennsylvania controversy because that

832

00:38:00,230 --> 00:37:56,250

was the book that the school board

833

00:38:02,930 --> 00:38:00,240

members sought to have taught in the

834

00:38:06,440 --> 00:38:02,940

over school system so finding this kind

835

00:38:08,840 --> 00:38:06,450

of this reference was key because when

836

00:38:11,800 --> 00:38:08,850

we told our when we told the lawyer the

837

00:38:14,180 --> 00:38:11,810

legal team we found this reference from

838

00:38:16,610 --> 00:38:14,190

the foundation for thought and ethics

839

00:38:17,390 --> 00:38:16,620

FTE that they were making you know they

840

00:38:19,610 --> 00:38:17,400

had an

841

00:38:21,800 --> 00:38:19,620

I into creation and evolution book gee I

842

00:38:24,530 --> 00:38:21,810

wonder if any early manuscripts are

843

00:38:27,200 --> 00:38:24,540

still around well the lawyer is very

844

00:38:29,920 --> 00:38:27,210

quickly decided that was something they

845

00:38:33,290 --> 00:38:29,930

wanted to look into they subpoenaed any

846

00:38:35,300 --> 00:38:33,300

early manuscripts of pandas and people

847

00:38:37,130 --> 00:38:35,310

from foundation for fun and ethics I

848

00:38:39,890 --> 00:38:37,140

would have loved to have been a fly on

849

00:38:43,640 --> 00:38:39,900

that wall when that Sabina came in

850

00:38:46,850 --> 00:38:43,650

because FTE must have just died but you

851

00:38:48,140 --> 00:38:46,860

know to their credit they did not just

852

00:38:49,910 --> 00:38:48,150

find a shredder someplace which would

853

00:38:51,890 --> 00:38:49,920

have been illegal but you know in one

854

00:38:55,490 --> 00:38:51,900

sense would have known right they

855

00:38:57,920 --> 00:38:55,500

coughed up the manuscript and using

856

00:39:00,920 --> 00:38:57,930

those manuscripts we were able to show a

857

00:39:03,530 --> 00:39:00,930

direct progression from creationist

858

00:39:05,690 --> 00:39:03,540

textbooks called you know creation

859

00:39:07,540 --> 00:39:05,700

biology and other titles like that all

860

00:39:09,320 --> 00:39:07,550

the way up through the several

861

00:39:11,090 --> 00:39:09,330

manuscripts to the book that they

862

00:39:13,640 --> 00:39:11,100

eventually published of pandas and

863

00:39:16,700 --> 00:39:13,650

people but and during the course of this

864

00:39:20,540 --> 00:39:16,710

evolution so to speak they adroitly

865

00:39:22,730 --> 00:39:20,550

substituted the word intelligent the

866

00:39:25,430 --> 00:39:22,740

phrase intelligent design wherever they

867

00:39:28,610 --> 00:39:25,440

had said previously creationism that's

868

00:39:30,080 --> 00:39:28,620

quite famous isn't it and I think you

869

00:39:32,450 --> 00:39:30,090

probably gave a talk on this right so

870

00:39:34,210 --> 00:39:32,460

that you do a search for the manuscript

871

00:39:36,830 --> 00:39:34,220

and see where they've simply replaced

872

00:39:38,450 --> 00:39:36,840

one word for the other that's right and

873

00:39:40,670 --> 00:39:38,460

we were able to present that information

874

00:39:42,560 --> 00:39:40,680

to the judge or the lawyers obviously

875

00:39:44,120 --> 00:39:42,570

present we provided that information to

876

00:39:47,120 --> 00:39:44,130

the lawyers and that was very

877

00:39:49,460 --> 00:39:47,130

influential in helping to convince the

878

00:39:51,920 --> 00:39:49,470

judge that intelligent design really was

879

00:39:53,780 --> 00:39:51,930

just creation science with a new label

880

00:39:56,030 --> 00:39:53,790

that's really and of course since the

881

00:39:58,640 --> 00:39:56,040

courts in the US had already determined

882

00:40:00,800 --> 00:39:58,650

that you that teaching creation science

883

00:40:04,900 --> 00:40:00,810

was unconstitutional if intelligent

884

00:40:08,630 --> 00:40:04,910

design is creation science duh

885

00:40:10,370 --> 00:40:08,640

constitutional so what about a little

886

00:40:13,670 --> 00:40:10,380

that that little article that i showed

887

00:40:15,760 --> 00:40:13,680

you turned out to be the source of what

888

00:40:18,770 --> 00:40:15,770

turned out to be a pretty important

889

00:40:21,230 --> 00:40:18,780

argument in a pretty important legal

890

00:40:23,770 --> 00:40:21,240

case so it's all here well a lot is a

891

00:40:28,550 --> 00:40:23,780

lot is here lots and lots and lots you

892

00:40:29,900 --> 00:40:28,560

so yeah and of course we also have the

893

00:40:33,559 --> 00:40:29,910

the mud

894

00:40:39,289 --> 00:40:33,569

Oh project project must tell you I must

895

00:40:43,400 --> 00:40:39,299

tell you you gave me very kindly in 2004

896

00:40:45,559 --> 00:40:43,410

when I spoke for the skeptics in

897

00:40:46,940 --> 00:40:45,569

Berkeley yeah that's probably when I met

898

00:40:48,799 --> 00:40:46,950

you for the first time I think we're

899

00:40:51,200 --> 00:40:48,809

pretty close to it around then as a

900

00:40:53,690 --> 00:40:51,210

thank you you gave me a project Steve

901  
00:40:57,349 --> 00:40:53,700  
t-shirt delighted i did salut one yeah

902  
00:40:59,089 --> 00:40:57,359  
it's it doesn't seem to age that's been

903  
00:41:01,220 --> 00:40:59,099  
watched more times than I care to think

904  
00:41:02,990 --> 00:41:01,230  
and the letters are still good and the

905  
00:41:05,510 --> 00:41:03,000  
shirt is good quality so whatever the

906  
00:41:07,250 --> 00:41:05,520  
manufacturer is it and I tell you what

907  
00:41:09,440 --> 00:41:07,260  
I've all the shirts the t-shirts i wear

908  
00:41:11,960 --> 00:41:09,450  
with skeptical bits and slogans that one

909  
00:41:14,390 --> 00:41:11,970  
gets people tapping me on the shoulder

910  
00:41:17,660 --> 00:41:14,400  
asking me about it wonder if it really

911  
00:41:21,170 --> 00:41:17,670  
does isn't that something but our normal

912  
00:41:23,270 --> 00:41:21,180  
if you come to our ring any more than

913  
00:41:26,599 --> 00:41:23,280

other books of shirts we have you have

914

00:41:29,329 --> 00:41:26,609

this great Wow and there's a cutaway of

915

00:41:31,700 --> 00:41:29,339

the geology of Grand Canyon cheering via

916

00:41:34,099 --> 00:41:31,710

various layers and on one side is the

917

00:41:36,980 --> 00:41:34,109

creation model starting at the 4,000 BC

918

00:41:39,710 --> 00:41:36,990

and the other side is the evolutionary

919

00:41:41,420 --> 00:41:39,720

starting at two billion years so this is

920

00:41:45,589 --> 00:41:41,430

this is a you get if you do the

921

00:41:47,390 --> 00:41:45,599

Grand can't see how that's worth it just

922

00:41:49,849 --> 00:41:47,400

for the shirt Hank you what what a

923

00:41:51,829 --> 00:41:49,859

great-looking shirt that is a bridge and

924

00:41:56,019 --> 00:41:51,839

if you think people tap you on the

925

00:42:01,190 --> 00:41:58,099

wonderful what is it being sure that's

926

00:42:03,019 --> 00:42:01,200

it now this is a extra large it comes in

927

00:42:04,819 --> 00:42:03,029

various ID but yeah we are der shirts

928

00:42:06,950 --> 00:42:04,829

for the people who go on our grand

929

00:42:10,490 --> 00:42:06,960

canyon trip and we do have a great time

930

00:42:12,260 --> 00:42:10,500

we do have a great time our Grand Canyon

931

00:42:14,960 --> 00:42:12,270

sure it is a creation and evolution

932

00:42:17,059 --> 00:42:14,970

trading yes you see if you go with the

933

00:42:21,589 --> 00:42:17,069

Institute for Creation Research yeah you

934

00:42:23,690 --> 00:42:21,599

only get the creationist view if you

935

00:42:26,029 --> 00:42:23,700

come with ncsc you'll get the creation

936

00:42:27,849 --> 00:42:26,039

and the evolution field I will give you

937

00:42:30,859 --> 00:42:27,859

the creationist view and we bring a

938

00:42:33,859 --> 00:42:30,869

geologist along who teaches the hell out

939

00:42:35,599 --> 00:42:33,869

of you in terms of the geology really

940

00:42:37,220 --> 00:42:35,609

got a lot of Grand Canyon information

941

00:42:40,069 --> 00:42:37,230

would you care to meet some of my other

942

00:42:42,380 --> 00:42:40,079

absolutely some of my other just wander

943

00:42:45,230 --> 00:42:42,390

up the stairs here yes there is another

944

00:42:47,450 --> 00:42:45,240

level now this is up on that we call

945

00:42:50,750 --> 00:42:47,460

this the loft the loft and we lock up

946

00:42:53,539 --> 00:42:50,760

the project people up here passing more

947

00:42:58,130 --> 00:42:53,549

dinosaurs as we go and i don't mean the

948

00:43:00,500 --> 00:42:58,140

staff that's a good breakfast this is my

949

00:43:02,809 --> 00:43:00,510

new newest colleague mark McCaffrey he's

950

00:43:04,670 --> 00:43:02,819

our climate science guy this is my

951  
00:43:07,940 --> 00:43:04,680  
friend Richard Saunders great to meet

952  
00:43:09,829 --> 00:43:07,950  
you Richard okay and Josh rose know he's

953  
00:43:12,650 --> 00:43:09,839  
one of our project people as well he's

954  
00:43:14,990 --> 00:43:12,660  
one of the flare-ups Wranglers and he's

955  
00:43:17,450 --> 00:43:15,000  
also been helping a lot with the climate

956  
00:43:20,299 --> 00:43:17,460  
change initiative and you guys have

957  
00:43:22,160 --> 00:43:20,309  
ended up in the top try anyhow be like

958  
00:43:24,710 --> 00:43:22,170  
to the penthouse be calling it the loft

959  
00:43:27,049 --> 00:43:24,720  
it's the penthouse penthouse yes and how

960  
00:43:30,760 --> 00:43:27,059  
long have you been here for four years

961  
00:43:33,829 --> 00:43:30,770  
for a half years um so what has changed

962  
00:43:35,690 --> 00:43:33,839  
in your four years here would most

963  
00:43:37,910 --> 00:43:35,700

noticeably well we're dealing with

964

00:43:40,760 --> 00:43:37,920

climate change packages at the biggest

965

00:43:42,980 --> 00:43:40,770

change in but yeah and I mean it's

966

00:43:45,500 --> 00:43:42,990

you've definitely been a shift since

967

00:43:47,870 --> 00:43:45,510

2007 let's talk about intelligent design

968

00:43:50,029 --> 00:43:47,880

I think more of a move back to sort of

969

00:43:52,849 --> 00:43:50,039

traditional creationist you think of a

970

00:43:57,079 --> 00:43:52,859

giant intelligent designs have its day

971

00:43:58,760 --> 00:43:57,089

it's it's filed and moved on it never

972

00:44:00,440 --> 00:43:58,770

really had a lot of energy as a

973

00:44:02,539 --> 00:44:00,450

political strategy and his legal

974

00:44:07,010 --> 00:44:02,549

strategy it had legs for a while but

975

00:44:08,900 --> 00:44:07,020

then it lost in court and it didn't it

976

00:44:10,640 --> 00:44:08,910

never had enthusiasm in its own right

977

00:44:12,589 --> 00:44:10,650

you don't hear much about it and so yeah

978

00:44:14,510 --> 00:44:12,599

I mean yeah you know Discovery Institute

979

00:44:16,430 --> 00:44:14,520

still promoting it but it's not exciting

980

00:44:19,789 --> 00:44:16,440

for anybody else anymore you know I

981

00:44:22,220 --> 00:44:19,799

think it was barely possible that the

982

00:44:24,620 --> 00:44:22,230

Discovery Institute or other people

983

00:44:27,049 --> 00:44:24,630

associated with the intelligent design

984

00:44:30,019 --> 00:44:27,059

movement are behind some of the academic

985

00:44:32,690 --> 00:44:30,029

freedom act issues because they have

986

00:44:37,599 --> 00:44:32,700

been pushing the academic freedom act

987

00:44:40,160 --> 00:44:37,609

types of proposals and legislation and

988

00:44:42,890 --> 00:44:40,170

certainly their model bill that they

989

00:44:46,400 --> 00:44:42,900

wrote a few years ago bits and pieces of

990

00:44:49,010 --> 00:44:46,410

that oven it showed up in the law that

991

00:44:51,260 --> 00:44:49,020

the state of Florida almost got past

992

00:44:52,760 --> 00:44:51,270

fortunately didn't pass and there's sort

993

00:44:53,329 --> 00:44:52,770

of remnants of that that sort of

994

00:44:55,459 --> 00:44:53,339

trickler

995

00:44:57,589 --> 00:44:55,469

and pop up periodically in other states

996

00:45:00,289 --> 00:44:57,599

so that's part of the monitoring that we

997

00:45:02,809 --> 00:45:00,299

do trying to trace things back and where

998

00:45:04,489 --> 00:45:02,819

does this come from and oh yes and as a

999

00:45:07,190 --> 00:45:04,499

shift away from let's talk about

1000

00:45:08,660 --> 00:45:07,200

intelligent design to let's talk about

1001  
00:45:10,969 --> 00:45:08,670  
whatever the teacher wants to talk about

1002  
00:45:12,589 --> 00:45:10,979  
in addition to evolution so not even

1003  
00:45:13,609 --> 00:45:12,599  
saying it has to be intelligent design

1004  
00:45:15,739 --> 00:45:13,619  
it could be I mean they could bring in

1005  
00:45:17,329 --> 00:45:15,749  
stuff from Answers in Genesis and say oh

1006  
00:45:20,660 --> 00:45:17,339  
yeah the earth was created 6,000 years

1007  
00:45:21,589 --> 00:45:20,670  
ago in six 24-hour days I mean it's

1008  
00:45:23,450 --> 00:45:21,599  
still illegal it's still

1009  
00:45:25,339 --> 00:45:23,460  
unconstitutional as it as it ever was

1010  
00:45:27,589 --> 00:45:25,349  
yeah same thing with intelligent design

1011  
00:45:30,109 --> 00:45:27,599  
but it's making it a little bit harder

1012  
00:45:32,420 --> 00:45:30,119  
to just shut down a teacher and stop a

1013  
00:45:34,670 --> 00:45:32,430

teacher from doing that from from going

1014

00:45:37,309 --> 00:45:34,680

outside the signs like that okay a lot

1015

00:45:41,719 --> 00:45:37,319

of these academic freedom act proposals

1016

00:45:44,180 --> 00:45:41,729

that we see are permissive you know they

1017

00:45:48,049 --> 00:45:44,190

allow a teacher to bring information in

1018

00:45:50,630 --> 00:45:48,059

that that supplements the the curriculum

1019

00:45:53,299 --> 00:45:50,640

they don't require the teacher to do it

1020

00:45:55,819 --> 00:45:53,309

and so that makes it harder to challenge

1021

00:45:57,859 --> 00:45:55,829

on the face of the of the proposal

1022

00:46:00,440 --> 00:45:57,869

itself it's harder to challenge the law

1023

00:46:02,599 --> 00:46:00,450

itself if it says well you can do this

1024

00:46:04,370 --> 00:46:02,609

you don't have to do this but you can do

1025

00:46:05,959 --> 00:46:04,380

it so that means you've got to find the

1026

00:46:07,880 --> 00:46:05,969

teacher that's actually doing it if

1027

00:46:09,259 --> 00:46:07,890

you're going to challenge the law so

1028

00:46:10,940 --> 00:46:09,269

there's a deliberate there's a reason

1029

00:46:12,799 --> 00:46:10,950

why those laws are structured that way

1030

00:46:15,950 --> 00:46:12,809

the other thing that we're finding these

1031

00:46:18,289 --> 00:46:15,960

laws do is they are protective they

1032

00:46:20,209 --> 00:46:18,299

protect a teacher who wants to bring an

1033

00:46:22,219 --> 00:46:20,219

additional material and bringing an

1034

00:46:25,130 --> 00:46:22,229

additional material is code for be

1035

00:46:27,440 --> 00:46:25,140

inseparable we're talking bringing in

1036

00:46:29,120 --> 00:46:27,450

creationism okay come on this is back to

1037

00:46:31,130 --> 00:46:29,130

earth creationist yeah yeah it's done

1038

00:46:33,890 --> 00:46:31,140

under the guise of promoting critical

1039

00:46:37,160 --> 00:46:33,900

thinking and reasoning and no damage

1040

00:46:38,390 --> 00:46:37,170

activeanalysis eyes well but that's not

1041

00:46:40,759 --> 00:46:38,400

even the phrase that it's used it's just

1042

00:46:41,959 --> 00:46:40,769

in the bill it'll just say in the

1043

00:46:43,880 --> 00:46:41,969

interest you know that there is a

1044

00:46:46,489 --> 00:46:43,890

secular interest in promoting critical

1045

00:46:48,019 --> 00:46:46,499

thinking and objective analysis like

1046

00:46:49,849 --> 00:46:48,029

freedom and actually have a freedom of

1047

00:46:51,289 --> 00:46:49,859

it all these things that how can you be

1048

00:46:53,479 --> 00:46:51,299

against this right it sounds so

1049

00:46:55,249 --> 00:46:53,489

reasonable but in practice as soon as

1050

00:46:57,469 --> 00:46:55,259

anyone is asked well what other views

1051  
00:46:58,910 --> 00:46:57,479  
are not being represented well you know

1052  
00:47:01,219 --> 00:46:58,920  
God created the earth and evolution is

1053  
00:47:02,779 --> 00:47:01,229  
wrong right that's still what's behind

1054  
00:47:06,650 --> 00:47:02,789  
it it's still trying to find a way to

1055  
00:47:09,050 --> 00:47:06,660  
get that in it's just the

1056  
00:47:13,910 --> 00:47:09,060  
language of the bill is less overt about

1057  
00:47:16,880 --> 00:47:13,920  
it but they often will bundle up global

1058  
00:47:20,060 --> 00:47:16,890  
warming evolution stem cells and things

1059  
00:47:22,850 --> 00:47:20,070  
like that so that the kind of draw a red

1060  
00:47:25,580 --> 00:47:22,860  
flag to themselves when they you know it

1061  
00:47:28,280 --> 00:47:25,590  
call out specific areas of science that

1062  
00:47:31,190 --> 00:47:28,290  
are so-called controversial yeah now as

1063  
00:47:35,570 --> 00:47:31,200

just as we were chatting earlier Jeannie

1064

00:47:39,160 --> 00:47:35,580

about the movement to look at global

1065

00:47:41,360 --> 00:47:39,170

warming and climate climate change when

1066

00:47:44,480 --> 00:47:41,370

whenever I mentioned this on my podcast

1067

00:47:46,370 --> 00:47:44,490

I get letters from everybody twice and

1068

00:47:48,530 --> 00:47:46,380

their dogs you know calling me an idiot

1069

00:47:51,140 --> 00:47:48,540

from from both directions and everything

1070

00:47:53,330 --> 00:47:51,150

do you really you're really in an area

1071

00:47:55,700 --> 00:47:53,340

which is like a hornet's nest no

1072

00:47:57,620 --> 00:47:55,710

question yeah but everybody and their

1073

00:48:00,140 --> 00:47:57,630

brother and their dog or actually from

1074

00:48:04,280 --> 00:48:00,150

what we're seeing a very small very

1075

00:48:08,210 --> 00:48:04,290

vocal very effective group of naysayers

1076

00:48:10,490 --> 00:48:08,220

who some somehow have the time to be

1077

00:48:11,720 --> 00:48:10,500

able to look like their numbers are much

1078

00:48:14,080 --> 00:48:11,730

greater than they actually are and

1079

00:48:17,810 --> 00:48:14,090

they're all experts absolutely a

1080

00:48:19,340 --> 00:48:17,820

question it hits a nerve yeah yeah but

1081

00:48:23,360 --> 00:48:19,350

look at all the practice we got dealing

1082

00:48:25,160 --> 00:48:23,370

with evolution for 25 actually was very

1083

00:48:28,360 --> 00:48:25,170

funny a journalist who was interviewing

1084

00:48:31,250 --> 00:48:28,370

me last week when we announced in this

1085

00:48:33,590 --> 00:48:31,260

second week of January 2012 when we

1086

00:48:35,450 --> 00:48:33,600

announced the the initiative a

1087

00:48:39,080 --> 00:48:35,460

journalist that I knew called me up she

1088

00:48:41,270 --> 00:48:39,090

said you know so like the frying pan

1089

00:48:43,760 --> 00:48:41,280

wasn't hot enough you had to jump into

1090

00:48:46,040 --> 00:48:43,770

the fire that's good that's a good

1091

00:48:49,160 --> 00:48:46,050

analogy yeah it is our gentlemen I wish

1092

00:48:50,870 --> 00:48:49,170

you lots of luck thank you I really do I

1093

00:48:53,510 --> 00:48:50,880

mean you're right as if you didn't have

1094

00:48:55,910 --> 00:48:53,520

a had enough toss before and and please

1095

00:48:57,530 --> 00:48:55,920

do not think that we were bored I mean

1096

00:48:59,120 --> 00:48:57,540

that we didn't have enough to do with

1097

00:49:01,100 --> 00:48:59,130

evolution I mean the evolution the

1098

00:49:03,650 --> 00:49:01,110

anti-evolution movement marches on a

1099

00:49:05,690 --> 00:49:03,660

pace these people have not gone into

1100

00:49:07,730 --> 00:49:05,700

holes and decided they've been looked

1101  
00:49:09,980 --> 00:49:07,740  
there there's this constant background

1102  
00:49:12,380 --> 00:49:09,990  
radiation that we have of bills that are

1103  
00:49:14,570 --> 00:49:12,390  
proposed but especially you know at that

1104  
00:49:16,670 --> 00:49:14,580  
local level where teachers get leaned on

1105  
00:49:17,720 --> 00:49:16,680  
where school districts are flirting with

1106  
00:49:19,460 --> 00:49:17,730  
changing the curriculum

1107  
00:49:21,470 --> 00:49:19,470  
I mean that is our bread and butter that

1108  
00:49:23,240 --> 00:49:21,480  
is what we do all the time at NCIC and

1109  
00:49:26,060 --> 00:49:23,250  
we're going to continue doing that but

1110  
00:49:27,440 --> 00:49:26,070  
now now that we have mark on staff we're

1111  
00:49:29,330 --> 00:49:27,450  
going to take on this new issue as well

1112  
00:49:31,640 --> 00:49:29,340  
and hopefully we'll be able to help

1113  
00:49:33,859 --> 00:49:31,650

teachers with it Jeanne is if your job

1114

00:49:35,960 --> 00:49:33,869

wasn't hard enough it's it's elective

1115

00:49:38,359 --> 00:49:35,970

course it is of course it isn't every

1116

00:49:39,980 --> 00:49:38,369

year it really is a what a pleasure it's

1117

00:49:43,340 --> 00:49:39,990

been to visit you once again in this

1118

00:49:46,340 --> 00:49:43,350

wonderful place and I'll be back next

1119

00:50:02,200 --> 00:49:46,350

year for our annual update I can promise

1120

00:50:07,550 --> 00:50:05,480

hello on Allah needle on solo scoffs of

1121

00:50:09,920 --> 00:50:07,560

deployment been to an atlas Lunada

1122

00:50:15,050 --> 00:50:09,930

skeptic zone for weed to swap and Katie

1123

00:50:26,120 --> 00:50:15,060

Schneider I'm moving from RC Connor we

1124

00:50:28,910 --> 00:50:26,130

nearly burn skeptics own phone to TV now

1125

00:50:34,100 --> 00:50:28,920

it's time for dr. Rachel reports with

1126  
00:50:35,510 --> 00:50:34,110  
dr. Rachel Dunlop something a little bit

1127  
00:50:37,670 --> 00:50:35,520  
different now and thanks to the internet

1128  
00:50:40,400 --> 00:50:37,680  
we have videos of cats online banking

1129  
00:50:42,860 --> 00:50:40,410  
and the spread of millions of conspiracy

1130  
00:50:45,770 --> 00:50:42,870  
theories on just about anything the moon

1131  
00:50:47,930 --> 00:50:45,780  
landing was faked JFK was shot by a man

1132  
00:50:50,210 --> 00:50:47,940  
on the grassy knoll princess died was

1133  
00:50:53,060 --> 00:50:50,220  
murdered by the monarchy September 11

1134  
00:50:55,760 --> 00:50:53,070  
was an inside job just about every major

1135  
00:50:57,740 --> 00:50:55,770  
event in history has conspiracy theories

1136  
00:51:00,230 --> 00:50:57,750  
attached to them with the introduction

1137  
00:51:02,720 --> 00:51:00,240  
of email and sites like Facebook mere

1138  
00:51:05,390 --> 00:51:02,730

rumor now spreads like wildfire around

1139

00:51:07,760 --> 00:51:05,400

the world and experts say conspiracy

1140

00:51:10,220 --> 00:51:07,770

theories are increasing becoming a

1141

00:51:12,230 --> 00:51:10,230

cultural virus well as far as conspiracy

1142

00:51:14,090 --> 00:51:12,240

theories go I owe one for the Nazis

1143

00:51:15,350 --> 00:51:14,100

build a spaceship and a silly in the

1144

00:51:17,900 --> 00:51:15,360

behind the moon there was a second

1145

00:51:18,980 --> 00:51:17,910

government who shot JFK 911 being inside

1146

00:51:21,650 --> 00:51:18,990

Jabba not actually being a terrorist

1147

00:51:24,680 --> 00:51:21,660

attack American loves their conspiracy

1148

00:51:27,830 --> 00:51:24,690

theories it's claimed KFC is run by the

1149

00:51:29,810 --> 00:51:27,840

KKK and makes black men impotent it's

1150

00:51:32,000 --> 00:51:29,820

reported nearly half of americans

1151  
00:51:34,610 --> 00:51:32,010  
believe global warming is a conspiracy

1152  
00:51:36,780 --> 00:51:34,620  
and here's Michael Jackson apparently

1153  
00:51:40,050 --> 00:51:36,790  
getting out of his own coroner's van

1154  
00:51:42,240 --> 00:51:40,060  
but Australia is no different recently

1155  
00:51:44,520 --> 00:51:42,250  
an email circulated claiming to show

1156  
00:51:46,350 --> 00:51:44,530  
proof that our prime minister had once

1157  
00:51:49,290 --> 00:51:46,360  
claimed in a newsletter to be in a

1158  
00:51:51,540 --> 00:51:49,300  
lesbian relationship in fact it had been

1159  
00:51:53,190 --> 00:51:51,550  
faked but many people forwarded the

1160  
00:51:55,500 --> 00:51:53,200  
email on without checking its

1161  
00:51:57,510 --> 00:51:55,510  
authenticity it's also been claimed

1162  
00:52:00,240 --> 00:51:57,520  
Harold Holt was abducted by a Chinese

1163  
00:52:02,070 --> 00:52:00,250

submarine and defusing dave thornton and

1164

00:52:05,490 --> 00:52:02,080

both the same person because they never

1165

00:52:08,940 --> 00:52:05,500

on the project at the same time true

1166

00:52:10,410 --> 00:52:08,950

done time to do a little bit of human so

1167

00:52:12,930 --> 00:52:10,420

what draws are still good conspiracy

1168

00:52:18,060 --> 00:52:12,940

theory and why in the information age

1169

00:52:19,950 --> 00:52:18,070

does fiction often win out over fact dr.

1170

00:52:21,480 --> 00:52:19,960

rachel Dunlop is the vice president of

1171

00:52:23,700 --> 00:52:21,490

the Australian skeptics New South Wales

1172

00:52:26,850 --> 00:52:23,710

and if conspiracy is to be believed

1173

00:52:28,620 --> 00:52:26,860

possibly a robot Rachel why are so many

1174

00:52:31,770 --> 00:52:28,630

people drawn to these conspiracy

1175

00:52:34,170 --> 00:52:31,780

theories hi Charlie I'm not a robot a

1176

00:52:35,760 --> 00:52:34,180

lot of people are drawn to conspiracy

1177

00:52:37,680 --> 00:52:35,770

there is because there's so much fun and

1178

00:52:39,480 --> 00:52:37,690

they're fascinating aren't they and I

1179

00:52:40,950 --> 00:52:39,490

mean when you look at probably the real

1180

00:52:42,930 --> 00:52:40,960

explanation for the reason something

1181

00:52:45,810 --> 00:52:42,940

happens it's usually much more simple

1182

00:52:47,340 --> 00:52:45,820

much more boring and I guess it's a bit

1183

00:52:49,320 --> 00:52:47,350

like the truth is out there you know an

1184

00:52:50,640 --> 00:52:49,330

x-files kind of thing is something if

1185

00:52:53,220 --> 00:52:50,650

there something more interesting and

1186

00:52:55,010 --> 00:52:53,230

weird and creepy going on it's much more

1187

00:52:57,320 --> 00:52:55,020

interesting and fun what's the silliest

1188

00:52:59,700 --> 00:52:57,330

conspiracy theory you've ever heard

1189

00:53:01,440 --> 00:52:59,710

Kerry there are so many but I think my

1190

00:53:03,150 --> 00:53:01,450

favorite would have to be the Illuminati

1191

00:53:06,630 --> 00:53:03,160

and the New World Order and this is a

1192

00:53:08,160 --> 00:53:06,640

conspiracy theory that it revolves

1193

00:53:09,570 --> 00:53:08,170

around the idea that there's a bunch of

1194

00:53:12,150 --> 00:53:09,580

people called the New World Order who

1195

00:53:14,160 --> 00:53:12,160

want to take over the world and form one

1196

00:53:15,930 --> 00:53:14,170

government and it also involves the

1197

00:53:17,760 --> 00:53:15,940

Illuminati which involves the

1198

00:53:19,830 --> 00:53:17,770

Rothschilds and the Rockefellers from

1199

00:53:21,810 --> 00:53:19,840

the United States and that it isn't

1200

00:53:24,750 --> 00:53:21,820

people now the lizard people are

1201  
00:53:28,230 --> 00:53:24,760  
apparently a group of lizard overlords

1202  
00:53:30,080 --> 00:53:28,240  
who are amongst one of them is George W

1203  
00:53:32,060 --> 00:53:30,090  
Bush the royal family

1204  
00:53:34,130 --> 00:53:32,070  
are apparently reptiles living inside

1205  
00:53:37,250 --> 00:53:34,140  
human skin until one day they can come

1206  
00:53:39,050 --> 00:53:37,260  
out and take over the world hard to

1207  
00:53:41,720 --> 00:53:39,060  
believe you he seems to leave that

1208  
00:53:43,520 --> 00:53:41,730  
Rachel Rachel I've got a friend who's

1209  
00:53:45,620 --> 00:53:43,530  
probably watching because he's got far

1210  
00:53:48,080 --> 00:53:45,630  
too much time on his hands people in

1211  
00:53:50,180 --> 00:53:48,090  
every single conspiracy theory going

1212  
00:53:53,030 --> 00:53:50,190  
around and I never corrected me is it

1213  
00:53:54,380 --> 00:53:53,040

healthy for him just to believe well no

1214

00:53:56,420 --> 00:53:54,390

I mean it can get to a point where

1215

00:53:58,130 --> 00:53:56,430

people become very paranoid and sit in

1216

00:54:00,170 --> 00:53:58,140

their houses with tin foil hat but

1217

00:54:01,730 --> 00:54:00,180

there's a serious side to it as well I

1218

00:54:03,500 --> 00:54:01,740

mean you know there's something like

1219

00:54:07,250 --> 00:54:03,510

fifty percent of americans believe that

1220

00:54:08,720 --> 00:54:07,260

911 was an inside job so it turns out

1221

00:54:10,400 --> 00:54:08,730

now that some people are following these

1222

00:54:12,740 --> 00:54:10,410

conspiracy theories when they're voting

1223

00:54:14,570 --> 00:54:12,750

or when they're choosing health advice

1224

00:54:15,890 --> 00:54:14,580

on the internet like to vaccinate their

1225

00:54:17,300 --> 00:54:15,900

children having something a bit more

1226

00:54:20,030 --> 00:54:17,310

serious now if we could get your answer

1227

00:54:25,130 --> 00:54:20,040

quickly and honestly are you in fact a

1228

00:54:26,660 --> 00:54:25,140

robot there's no evidence to suggest i

1229

00:54:28,520 --> 00:54:26,670

am but you could easily invent a

1230

00:54:30,710 --> 00:54:28,530

conspiracy on the internet and see how

1231

00:54:32,960 --> 00:54:30,720

it goes yes is exactly the kind of

1232

00:54:34,460 --> 00:54:32,970

excuses i would expect from a robot dr.

1233

00:54:47,630 --> 00:54:34,470

rachel done like thank you very much for

1234

00:54:52,109 --> 00:54:50,820

I'm Eugenie Scott executive director of

1235

00:54:55,140 --> 00:54:52,119

the National Center for Science

1236

00:54:56,910 --> 00:54:55,150

Education in Oakland California we

1237

00:54:58,740 --> 00:54:56,920

defend and support the teaching of

1238

00:55:00,600 --> 00:54:58,750

evolution and climate change when it

1239

00:55:02,730 --> 00:55:00,610

comes under attack for religious and

1240

00:55:05,160 --> 00:55:02,740

political reasons we help teachers

1241

00:55:07,800 --> 00:55:05,170

parents school boards and other citizens

1242

00:55:11,340 --> 00:55:07,810

defend good science in the schools come

1243

00:55:13,920 --> 00:55:11,350

visit us at NCC calm and on YouTube and

1244

00:55:16,500 --> 00:55:13,930

Facebook and let us know if science

1245

00:55:35,330 --> 00:55:16,510

comes under attack in your community we

1246

00:55:41,270 --> 00:55:38,870

thank you for listening to episode 171

1247

00:55:45,110 --> 00:55:41,280

of the skeptic zone well I made my way

1248

00:55:46,880 --> 00:55:45,120

he's a market street yes the main street

1249

00:55:49,970 --> 00:55:46,890

I guess you could say of San Francisco

1250

00:55:51,910 --> 00:55:49,980

and it is really alive with action it's

1251  
00:55:54,590 --> 00:55:51,920  
getting towards knock off time of course

1252  
00:55:56,330 --> 00:55:54,600  
people are starting to head home but the

1253  
00:55:59,060 --> 00:55:56,340  
streets are alive there are trams and

1254  
00:56:02,000 --> 00:55:59,070  
buses taxis and cars and people

1255  
00:56:03,920 --> 00:56:02,010  
everywhere well on next week's show I'm

1256  
00:56:05,740 --> 00:56:03,930  
really not sure what we have for your

1257  
00:56:08,270 --> 00:56:05,750  
next week's show maybe some report from

1258  
00:56:11,090 --> 00:56:08,280  
some reports from some of our reporters

1259  
00:56:15,410 --> 00:56:11,100  
i hope i'm going down to visit brian

1260  
00:56:17,930 --> 00:56:15,420  
dunning maybe a word or two from him but

1261  
00:56:19,730 --> 00:56:17,940  
for now anyway from downtown San

1262  
00:56:28,050 --> 00:56:19,740  
Francisco this is Richard Saunders

1263  
00:56:35,440 --> 00:56:30,460

you've been listening to the skeptic

1264

00:56:39,220 --> 00:56:35,450

zone visit our website at [www.skeptics](http://www.skeptics)