



1
00:00:23,790 --> 00:00:20,170
welcome to shattered reality with your

2
00:00:27,130 --> 00:00:23,800
hosts Kate Valentine and faroush

3
00:00:31,779 --> 00:00:27,140
prepared to head a paradigm shifted into

4
00:00:33,729 --> 00:00:31,789
truths questioned and now shattered

5
00:00:36,760 --> 00:00:33,739
reality okay here we are back in

6
00:00:40,510 --> 00:00:36,770
shattered reality with after taking a

7
00:00:46,599 --> 00:00:40,520
nice December parade lovely and before

8
00:00:50,160 --> 00:00:46,609
we introduce our first guest of 2016 a

9
00:00:53,200 --> 00:00:50,170
whole new start to shattered reality I

10
00:00:56,709 --> 00:00:53,210
unfortunately have some upsetting news

11
00:00:59,799 --> 00:00:56,719
at least it was very upsetting to me one

12
00:01:04,049 --> 00:00:59,809
of my big heroes astronaut Edgar

13
00:01:08,140 --> 00:01:04,059

Mitchell who is 85 took a kind of nasty

14

00:01:11,350 --> 00:01:08,150

fall and he is currently not doing

15

00:01:14,200 --> 00:01:11,360

splendidly in the hospital so I'm not

16

00:01:17,550 --> 00:01:14,210

good I'm going to ask everybody to send

17

00:01:21,490 --> 00:01:17,560

positive intentions Edgar Mitchell's way

18

00:01:25,030 --> 00:01:21,500

he's 85 years old he is a doctorate in

19

00:01:28,660 --> 00:01:25,040

science from MIT the co-founder of the

20

00:01:32,230 --> 00:01:28,670

Institute of noetic sciences and also he

21

00:01:35,889 --> 00:01:32,240

was the person to take the longest walk

22

00:01:38,020 --> 00:01:35,899

on the moon of anyone I think he was the

23

00:01:40,719 --> 00:01:38,030

with the third group that actually

24

00:01:44,380 --> 00:01:40,729

landed on the moon but I I love Edgar

25

00:01:46,899 --> 00:01:44,390

Mitchell he when I was a little child I

26
00:01:48,670 --> 00:01:46,909
always wanted to marry an astronaut and

27
00:01:51,190 --> 00:01:48,680
then I finally met Edgar Mitchell at a

28
00:01:55,929 --> 00:01:51,200
brunch don't get married that we didn't

29
00:01:58,149 --> 00:01:55,939
marry no I gave that up but I'll tell

30
00:02:00,880 --> 00:01:58,159
you he wrote one of the best books I've

31
00:02:04,179 --> 00:02:00,890
ever written ever read excuse me and

32
00:02:06,069 --> 00:02:04,189
that is way of the Explorer and a lot of

33
00:02:08,560 --> 00:02:06,079
it was good but the best part was the

34
00:02:09,340 --> 00:02:08,570
first opening pages that was just

35
00:02:11,800 --> 00:02:09,350
terrific

36
00:02:14,559 --> 00:02:11,810
okay well I'll have to take another look

37
00:02:16,839 --> 00:02:14,569
at that it was a great book and so let's

38
00:02:19,980 --> 00:02:16,849

send the positive energy positive

39

00:02:24,520 --> 00:02:19,990

intentions toward Edgar Mitchell

40

00:02:28,210 --> 00:02:24,530

American hero and astronaut but today we

41

00:02:31,630 --> 00:02:28,220

are absolutely thrilled absolutely

42

00:02:35,710 --> 00:02:31,640

thrilled to welcome a man who is a

43

00:02:38,440 --> 00:02:35,720

controversial climatologist he is the

44

00:02:42,010 --> 00:02:38,450

professor emeritus at the University of

45

00:02:45,660 --> 00:02:42,020

Arizona his name is guy McPherson his

46

00:02:49,720 --> 00:02:45,670

website is guy McPherson calm

47

00:02:52,780 --> 00:02:49,730

interestingly enough and his podcast

48

00:02:57,520 --> 00:02:52,790

which is an excellent one is nature bats

49

00:03:01,870 --> 00:02:57,530

last he is known for his bringing forth

50

00:03:04,780 --> 00:03:01,880

the dangers involving methane release

51
00:03:09,280 --> 00:03:04,790
into the atmosphere and the concept of

52
00:03:11,890 --> 00:03:09,290
very rapid climate change now pursuant

53
00:03:15,070 --> 00:03:11,900
to that we have two news stories about

54
00:03:17,980 --> 00:03:15,080
that NASA JPL has been monitoring

55
00:03:21,010 --> 00:03:17,990
methane release in Alaska over the past

56
00:03:23,860 --> 00:03:21,020
several years and as they would expect

57
00:03:25,900 --> 00:03:23,870
they thought that the methane would be

58
00:03:27,460 --> 00:03:25,910
high in the summertime the methane

59
00:03:29,710 --> 00:03:27,470
released because the ground

60
00:03:32,680 --> 00:03:29,720
the tundra whatever melts and the

61
00:03:36,070 --> 00:03:32,690
methane is released but they found out

62
00:03:38,140 --> 00:03:36,080
this fall that it was being released in

63
00:03:38,740 --> 00:03:38,150

the cold weather as well that's point

64

00:03:41,530 --> 00:03:38,750

number one

65

00:03:43,150 --> 00:03:41,540

at an adjoining point is why did they

66

00:03:43,840 --> 00:03:43,160

study it in the first place if there is

67

00:03:46,390 --> 00:03:43,850

no problem

68

00:03:48,580 --> 00:03:46,400

well yeah that is that's an absolutely

69

00:03:51,490 --> 00:03:48,590

right Kane and the second thing is that

70

00:03:54,880 --> 00:03:51,500

out in California just outside Los

71

00:03:56,860 --> 00:03:54,890

Angeles we have a big bank methane leak

72

00:03:59,350 --> 00:03:56,870

going on that has caused thousands of

73

00:04:01,810 --> 00:03:59,360

people to be removed from their homes in

74

00:04:05,860 --> 00:04:01,820

all the children at Porter Ranch now

75

00:04:10,090 --> 00:04:05,870

have to go to an alternative high school

76

00:04:14,560 --> 00:04:10,100

down in Los Angeles because of it so

77

00:04:19,349 --> 00:04:14,570

without further ado we're going to

78

00:04:21,610 --> 00:04:19,359

introduce today's guest the very

79

00:04:25,930 --> 00:04:21,620

intelligent and interesting and

80

00:04:28,390 --> 00:04:25,940

fascinating guy McPherson welcome you

81

00:04:32,110 --> 00:04:28,400

thank you very much on your show that's

82

00:04:33,040 --> 00:04:32,120

great your seems to be a thesis actually

83

00:04:38,529 --> 00:04:33,050

that

84

00:04:41,409 --> 00:04:38,539

I afraid the end truly is near well it

85

00:04:45,070 --> 00:04:41,419

certainly would seem that way I you know

86

00:04:46,600 --> 00:04:45,080

I'm often told that i promote near-term

87

00:04:52,360 --> 00:04:46,610

human extinction that's not exactly

88

00:04:53,920 --> 00:04:52,370

right I transmit indicating that we're

89

00:04:56,589 --> 00:04:53,930

headed in that way but I'm not promoting

90

00:04:58,330 --> 00:04:56,599

it I'm not I'm not a big man well it

91

00:05:02,409 --> 00:04:58,340

would be hard to be being a human being

92

00:05:05,589 --> 00:05:02,419

yourself so give us that for our

93

00:05:07,480 --> 00:05:05,599

listeners who perhaps have not been to

94

00:05:10,510 --> 00:05:07,490

your website yet or have not heard

95

00:05:14,709 --> 00:05:10,520

nature bats last can you give us kind of

96

00:05:15,459 --> 00:05:14,719

a synopsis of your of your up thoughts

97

00:05:17,860 --> 00:05:15,469

on the matter

98

00:05:22,740 --> 00:05:17,870

yeah like how it came about and what

99

00:05:26,890 --> 00:05:22,750

your your background is in climatology

100

00:05:29,350 --> 00:05:26,900

I'm a conservation biologist okay and

101
00:05:31,689 --> 00:05:29,360
and I've been studying climate change

102
00:05:34,719 --> 00:05:31,699
since I was in graduate school more than

103
00:05:36,999 --> 00:05:34,729
30 years ago but I study it from the

104
00:05:38,920 --> 00:05:37,009
perspective or through the lens of a

105
00:05:41,920 --> 00:05:38,930
conservation biologist and conservation

106
00:05:45,580 --> 00:05:41,930
biologists study extinction events and

107
00:05:48,490 --> 00:05:45,590
speciation so conservation biologists

108
00:05:50,200 --> 00:05:48,500
are the ones who have an understanding

109
00:05:52,120 --> 00:05:50,210
of habitats what it takes for our

110
00:05:56,230 --> 00:05:52,130
species to persist on the planet and

111
00:06:00,820 --> 00:05:56,240
what kinds of threats are posed to the

112
00:06:04,869 --> 00:06:00,830
demise of those species that well that

113
00:06:08,110 --> 00:06:04,879

would be a perfect thing of study to get

114

00:06:10,300 --> 00:06:08,120

into climate change then and so so by

115

00:06:12,339 --> 00:06:10,310

studying those habitats then that

116

00:06:16,209 --> 00:06:12,349

brought you into the climate which

117

00:06:18,070 --> 00:06:16,219

certainly affects habitats right and and

118

00:06:19,990 --> 00:06:18,080

so you know in graduate school when I

119

00:06:22,420 --> 00:06:20,000

was studying climate change it was from

120

00:06:25,119 --> 00:06:22,430

a paleo climatic perspective I was

121

00:06:27,670 --> 00:06:25,129

looking back in time to see what kinds

122

00:06:32,260 --> 00:06:27,680

of events influenced the ecosystems in

123

00:06:33,760 --> 00:06:32,270

the past and then well so it throughout

124

00:06:38,070 --> 00:06:33,770

my academic career

125

00:06:40,240 --> 00:06:38,080

I studied climate change from the

126
00:06:41,920 --> 00:06:40,250
perspective of the dominant narrative

127
00:06:45,670 --> 00:06:41,930
which is what most of us know it by this

128
00:06:46,240 --> 00:06:45,680
this gradual increase in global average

129
00:06:50,590 --> 00:06:46,250
temperature

130
00:06:52,930 --> 00:06:50,600
that produces what some people call

131
00:06:56,110 --> 00:06:52,940
whether we're ding or unusual events

132
00:06:59,380 --> 00:06:56,120
things like Katrina you know that the

133
00:07:02,200 --> 00:06:59,390
big hurricane that hit yes more than ten

134
00:07:04,720 --> 00:07:02,210
years ago hit New Orleans and caused a

135
00:07:06,580 --> 00:07:04,730
lot of damage and that's because there's

136
00:07:09,190 --> 00:07:06,590
a lot of energy that builds up in the

137
00:07:11,410 --> 00:07:09,200
ocean and a quick way to get rid of

138
00:07:14,650 --> 00:07:11,420

energy is to do it in a funnel or a

139

00:07:15,510 --> 00:07:14,660

spiral and thus is born Hurricane

140

00:07:17,680 --> 00:07:15,520

Katrina

141

00:07:20,710 --> 00:07:17,690

well that was ten and a half years ago

142

00:07:24,870 --> 00:07:20,720

now and there have been many significant

143

00:07:29,080 --> 00:07:24,880

events since then and abundant evidence

144

00:07:32,050 --> 00:07:29,090

accumulated and put out in various forms

145

00:07:34,060 --> 00:07:32,060

most notably in the very conservative

146

00:07:37,900 --> 00:07:34,070

refereed journal ledger and it all

147

00:07:39,700 --> 00:07:37,910

points to the to the event that's

148

00:07:41,950 --> 00:07:39,710

underway now which is abrupt climate

149

00:07:45,190 --> 00:07:41,960

change it's a very different phenomenon

150

00:07:47,170 --> 00:07:45,200

then that slow linear change most of us

151
00:07:49,240 --> 00:07:47,180
are familiar with and heard about from

152
00:07:51,610 --> 00:07:49,250
Al Gore for example so this is it this

153
00:07:55,120 --> 00:07:51,620
is a much different kind of phenomenon

154
00:07:58,330 --> 00:07:55,130
going on today than what most of us are

155
00:08:00,130 --> 00:07:58,340
familiar with and what brought you to

156
00:08:06,900 --> 00:08:00,140
that conclusion what what were the

157
00:08:09,909 --> 00:08:06,910
hallmark signs I had been tracking the

158
00:08:13,360 --> 00:08:09,919
evidence about climate change for quite

159
00:08:14,920 --> 00:08:13,370
a long time I left active service at the

160
00:08:17,290 --> 00:08:14,930
University of Arizona I was a tenured

161
00:08:20,620 --> 00:08:17,300
full professor by the age of 40 there's

162
00:08:24,640 --> 00:08:20,630
I was very successful and and I left at

163
00:08:26,409 --> 00:08:24,650

the age of 49 in May of 2009 after 20

164

00:08:28,210 --> 00:08:26,419

years of service there and became

165

00:08:30,760 --> 00:08:28,220

professor emeritus now most people think

166

00:08:32,950 --> 00:08:30,770

emeritus means retired

167

00:08:37,480 --> 00:08:32,960

really I get to do everything I was

168

00:08:39,310 --> 00:08:37,490

doing before except get paid I would say

169

00:08:44,140 --> 00:08:39,320

it looked way too young to be a

170

00:08:45,520 --> 00:08:44,150

professor emeritus so I'm 55 now and I

171

00:08:49,020 --> 00:08:45,530

left about six and a half years ago

172

00:08:52,150 --> 00:08:49,030

great and and I just kept up with the

173

00:08:54,610 --> 00:08:52,160

data and models and forecasts and

174

00:08:57,880 --> 00:08:54,620

projections about climate change and I

175

00:08:59,800 --> 00:08:57,890

continued to keep up with the evidence

176

00:09:05,290 --> 00:08:59,810

as it comes out and

177

00:09:07,090 --> 00:09:05,300

I guess it was it was actually 2002 when

178

00:09:09,010 --> 00:09:07,100

I was working on a book and and I was

179

00:09:10,990 --> 00:09:09,020

heavily involved in teaching and

180

00:09:13,540 --> 00:09:11,000

research and so on I was working on a

181

00:09:15,210 --> 00:09:13,550

book with a with a former student of

182

00:09:18,460 --> 00:09:15,220

mine and it was about climate change

183

00:09:20,590 --> 00:09:18,470

this was 2002 and I reached the

184

00:09:22,060 --> 00:09:20,600

conclusion then that we had triggered

185

00:09:26,800 --> 00:09:22,070

events likely to cause our own

186

00:09:28,840 --> 00:09:26,810

extinction by 2030 or so and and then

187

00:09:32,680 --> 00:09:28,850

shortly thereafter I discovered the

188

00:09:35,710 --> 00:09:32,690

concept of global peak oil which points

189

00:09:37,870 --> 00:09:35,720

to the demise of industrial civilization

190

00:09:39,070 --> 00:09:37,880

and I thought well here it is here's

191

00:09:41,730 --> 00:09:39,080

what's going to save us because

192

00:09:43,960 --> 00:09:41,740

civilization is a heat engine

193

00:09:46,329 --> 00:09:43,970

civilization is responsible for heating

194

00:09:49,600 --> 00:09:46,339

up the planet in the form of greenhouse

195

00:09:51,910 --> 00:09:49,610

gases and if we stop you know and bear

196

00:09:54,490 --> 00:09:51,920

in mind this is 2003 or 2004 if we stop

197

00:09:56,740 --> 00:09:54,500

now maybe it won't get so bad it'll

198

00:09:59,950 --> 00:09:56,750

cause our own extinction well obviously

199

00:10:03,190 --> 00:09:59,960

that was a long time ago and it was June

200

00:10:05,110 --> 00:10:03,200

of 2012 when the number of

201
00:10:08,230 --> 00:10:05,120
self-reinforcing feedback loops or

202
00:10:10,300 --> 00:10:08,240
so-called positive feedbacks overwhelmed

203
00:10:12,730 --> 00:10:10,310
me and I realized that it's too late

204
00:10:16,720 --> 00:10:12,740
even if even if we turn off the switch

205
00:10:19,660 --> 00:10:16,730
on civilization now it's too late we've

206
00:10:23,110 --> 00:10:19,670
triggered events likely to cause our own

207
00:10:25,630 --> 00:10:23,120
demise in the near future regardless of

208
00:10:27,820 --> 00:10:25,640
what happens in terms of civilization

209
00:10:30,160 --> 00:10:27,830
which which teeters on the brink and

210
00:10:32,860 --> 00:10:30,170
could go pretty much any month

211
00:10:37,329 --> 00:10:32,870
yeah but anything can happen with the

212
00:10:39,579 --> 00:10:37,339
civilization yeah civilizations come and

213
00:10:42,190 --> 00:10:39,589

go and they're not very sustainable yeah

214

00:10:43,780 --> 00:10:42,200

well that's true but uh when they used

215

00:10:45,790 --> 00:10:43,790

to go I mean there was always a

216

00:10:46,750 --> 00:10:45,800

civilization to take their place in

217

00:10:49,060 --> 00:10:46,760

other words you know you have a

218

00:10:51,250 --> 00:10:49,070

conquering somebody would come out and

219

00:10:53,980 --> 00:10:51,260

conquer the other person or other

220

00:10:56,620 --> 00:10:53,990

civilization but now I'm not so sure

221

00:10:59,199 --> 00:10:56,630

that there's anybody around to take our

222

00:11:01,449 --> 00:10:59,209

place that's right

223

00:11:05,130 --> 00:11:01,459

and it appears even if industrial

224

00:11:08,980 --> 00:11:05,140

civilization collapses the most

225

00:11:12,160 --> 00:11:08,990

horrifying of all civilizations in terms

226

00:11:13,390 --> 00:11:12,170

of what this civilization does to

227

00:11:16,120 --> 00:11:13,400

non-human organ

228

00:11:17,920 --> 00:11:16,130

for example into the air into the water

229

00:11:20,500 --> 00:11:17,930

into the soil we're washing to the sea

230

00:11:25,800 --> 00:11:20,510

and so forth even if this one goes away

231

00:11:29,310 --> 00:11:25,810

the attendant decline in global dimming

232

00:11:33,400 --> 00:11:29,320

and and therefore brightening of the

233

00:11:35,830 --> 00:11:33,410

atmosphere is likely to cause a lot loss

234

00:11:39,280 --> 00:11:35,840

of habitat for humans within a matter of

235

00:11:40,720 --> 00:11:39,290

days or weeks yeah and I don't think

236

00:11:43,000 --> 00:11:40,730

there's going to be a warning sign

237

00:11:45,130 --> 00:11:43,010

either it'll just boom be upon us and

238

00:11:48,550 --> 00:11:45,140

that's it well what what do you think I

239

00:11:55,650 --> 00:11:48,560

are there any tip laughs something that

240

00:12:01,780 --> 00:11:59,640

there's a number of factors that could

241

00:12:04,120 --> 00:12:01,790

trigger the collapse of civilization

242

00:12:05,650 --> 00:12:04,130

David Cora wicks wrote about them when

243

00:12:08,830 --> 00:12:05,660

he was writing for the FASTA group this

244

00:12:10,180 --> 00:12:08,840

is I think June 30th 2012 he indicated

245

00:12:12,100 --> 00:12:10,190

that a disruption in the supply of

246

00:12:14,020 --> 00:12:12,110

anything significant to civilization

247

00:12:17,620 --> 00:12:14,030

will cause its worldwide

248

00:12:20,140 --> 00:12:17,630

collapse within as little as three weeks

249

00:12:23,590 --> 00:12:20,150

and disruption of anything important

250

00:12:25,240 --> 00:12:23,600

that means food that is unable to go up

251
00:12:27,280 --> 00:12:25,250
or down the Mississippi River because it

252
00:12:29,620 --> 00:12:27,290
gets too dry that means water because of

253
00:12:32,080 --> 00:12:29,630
water shortage is like we're seeing in

254
00:12:34,810 --> 00:12:32,090
Rio de Janeiro right now that means a

255
00:12:37,000 --> 00:12:34,820
disruption of the bond markets because

256
00:12:38,890 --> 00:12:37,010
the bond vigilantes decide well we're

257
00:12:40,750 --> 00:12:38,900
not we're gonna not gonna pay this low

258
00:12:42,850 --> 00:12:40,760
amount we're gonna want a higher amount

259
00:12:46,410 --> 00:12:42,860
so that could trigger hyperinflation it

260
00:12:50,440 --> 00:12:46,420
could be a massive deflationary event as

261
00:12:51,880 --> 00:12:50,450
is we were warned about in late 2008

262
00:12:55,210 --> 00:12:51,890
with the collapse of Lehman Brothers and

263
00:12:57,160 --> 00:12:55,220

AIG and so we could have that sort of

264

00:12:59,890 --> 00:12:57,170

event except now of course the

265

00:13:02,350 --> 00:12:59,900

derivatives market is is way more over

266

00:13:04,180 --> 00:13:02,360

stretched than it was then in the

267

00:13:06,250 --> 00:13:04,190

situation on the financial front as far

268

00:13:11,230 --> 00:13:06,260

worse so it could be any number of

269

00:13:13,330 --> 00:13:11,240

factors that are early warning signs and

270

00:13:15,490 --> 00:13:13,340

by early warning I mean as little as

271

00:13:17,850 --> 00:13:15,500

three weeks before the whole house of

272

00:13:20,440 --> 00:13:17,860

cards comes down everywhere in the world

273

00:13:22,520 --> 00:13:20,450

which may be why the government is

274

00:13:24,900 --> 00:13:22,530

really not pushing for any

275

00:13:27,570 --> 00:13:24,910

information yeah any information or any

276

00:13:30,960 --> 00:13:27,580

sort of effort to correct this they

277

00:13:33,210 --> 00:13:30,970

perhaps they're not as stupid as we most

278

00:13:34,830 --> 00:13:33,220

people think they are and their experts

279

00:13:36,420 --> 00:13:34,840

are saying look it's just too late and

280

00:13:39,090 --> 00:13:36,430

if you start saying things you're going

281

00:13:42,030 --> 00:13:39,100

to have worldwide panic total disruption

282

00:13:45,330 --> 00:13:42,040

and social order and so that's possible

283

00:13:47,730 --> 00:13:45,340

- I have a feeling of course yeah I mean

284

00:13:48,810 --> 00:13:47,740

and at this point you know we've known

285

00:13:50,640 --> 00:13:48,820

for quite a long time now that

286

00:13:52,950 --> 00:13:50,650

civilization itself is a heat engine

287

00:13:56,430 --> 00:13:52,960

that switching from fossil fuels to

288

00:13:58,080 --> 00:13:56,440

solar panels and wind turbines which of

289

00:13:59,550 --> 00:13:58,090

course require fossil fuels for

290

00:14:01,980 --> 00:13:59,560

construction and maintenance but even if

291

00:14:04,590 --> 00:14:01,990

we miraculously somehow switch over to

292

00:14:06,150 --> 00:14:04,600

those overnight civilization itself is a

293

00:14:09,150 --> 00:14:06,160

heat engine we've known this for many

294

00:14:12,350 --> 00:14:09,160

years now and and so even if we shut off

295

00:14:14,880 --> 00:14:12,360

civilization that absence of dimming

296

00:14:16,350 --> 00:14:14,890

creates so much heat in such a short

297

00:14:18,450 --> 00:14:16,360

period of time that I don't see any way

298

00:14:20,540 --> 00:14:18,460

for humans to adapt and if we maintain

299

00:14:22,680 --> 00:14:20,550

this the heat engine of its civilization

300

00:14:24,660 --> 00:14:22,690

it's worse every day

301

00:14:25,920 --> 00:14:24,670

so we're clearly in the situation and

302

00:14:26,250 --> 00:14:25,930

being damned if you do and damned if you

303

00:14:30,590 --> 00:14:26,260

don't

304

00:14:35,090 --> 00:14:30,600

I have a rather morbid question for you

305

00:14:37,920 --> 00:14:35,100

because in some real way too many people

306

00:14:40,530 --> 00:14:37,930

overpopulation if you will is the major

307

00:14:43,590 --> 00:14:40,540

contributor to climate change what a

308

00:14:46,250 --> 00:14:43,600

major population reduction as in 90 to

309

00:14:49,020 --> 00:14:46,260

95 percent of the human population

310

00:14:52,500 --> 00:14:49,030

effect any change to the current outlook

311

00:14:55,530 --> 00:14:52,510

as morbid as that may be and pursuant to

312

00:14:58,530 --> 00:14:55,540

that question do you suppose that the

313

00:15:00,660 --> 00:14:58,540

so-called powers that be any doesn't you

314

00:15:04,380 --> 00:15:00,670

know no names need be mention any

315

00:15:06,690 --> 00:15:04,390

country do you suppose that they have

316

00:15:10,790 --> 00:15:06,700

any plans for radical population

317

00:15:13,140 --> 00:15:10,800

reduction and all that that implies well

318

00:15:16,320 --> 00:15:13,150

it could very well be you know we

319

00:15:18,030 --> 00:15:16,330

haven't done that experiment yet so we

320

00:15:20,600 --> 00:15:18,040

don't know what the outcome will be it

321

00:15:23,670 --> 00:15:20,610

would not surprise me if a profound

322

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

reduction in the human population I mean

323

00:15:28,740 --> 00:15:25,990

that would obviously reduce consumption

324

00:15:31,320 --> 00:15:28,750

and emissions particularly of greenhouse

325

00:15:33,090 --> 00:15:31,330

gases would it be so severe that it

326

00:15:35,050 --> 00:15:33,100

would shut down civilisation completely

327

00:15:37,850 --> 00:15:35,060

in therefore cause

328

00:15:39,650 --> 00:15:37,860

an absence of global dimming in

329

00:15:42,830 --> 00:15:39,660

therefore cause heating I know it's

330

00:15:45,680 --> 00:15:42,840

pretty difficult balancing act to get

331

00:15:47,180 --> 00:15:45,690

rid of the enough of the people to get

332

00:15:49,910 --> 00:15:47,190

rid of the heat engine but keep enough

333

00:15:51,830 --> 00:15:49,920

people around to sustain the global

334

00:15:53,990 --> 00:15:51,840

dimming associated with with the

335

00:15:56,900 --> 00:15:54,000

particulates we put up in the sky and

336

00:15:59,810 --> 00:15:56,910

and do people besides you and I know

337

00:16:01,790 --> 00:15:59,820

that of course you know I've been

338

00:16:03,620 --> 00:16:01,800

writing about this for a long time right

339

00:16:05,690 --> 00:16:03,630
and as a consequence certainly

340

00:16:09,770 --> 00:16:05,700
everything I know is known by the NSA

341

00:16:12,020 --> 00:16:09,780
and and also by these so-called powers

342

00:16:15,800 --> 00:16:12,030
that be in governments around the world

343

00:16:17,930 --> 00:16:15,810
right so of course they know that are

344

00:16:20,210 --> 00:16:17,940
they planning something well your guess

345

00:16:22,520 --> 00:16:20,220
is as good as mine we had a guest on the

346

00:16:26,810 --> 00:16:22,530
radio show I think it was three weeks

347

00:16:29,000 --> 00:16:26,820
ago who indicated that just such a plan

348

00:16:34,250 --> 00:16:29,010
was in the works and could be

349

00:16:37,370 --> 00:16:34,260
implemented very soon and this is three

350

00:16:39,200 --> 00:16:37,380
day four days after he left his job as a

351
00:16:41,630 --> 00:16:39,210
contractor with the Department of

352
00:16:43,850 --> 00:16:41,640
Homeland Security a job he'd held for

353
00:16:45,740 --> 00:16:43,860
the previous 14 years since DHS came

354
00:16:49,460 --> 00:16:45,750
into being so it could be that that's

355
00:16:51,140 --> 00:16:49,470
what we're facing I say I refuse to be

356
00:16:54,770 --> 00:16:51,150
surprised by almost anything anymore

357
00:16:57,950 --> 00:16:54,780
well you know I you haven't gone in at

358
00:17:02,750 --> 00:16:57,960
at all to your thoughts about the

359
00:17:06,230 --> 00:17:02,760
methane and I have we have both been

360
00:17:08,480 --> 00:17:06,240
spoken to about the government digging

361
00:17:13,190 --> 00:17:08,490
tunnels underneath various places most

362
00:17:14,690 --> 00:17:13,200
notably the airport in Colorado in

363
00:17:19,220 --> 00:17:14,700

Denver is there supposed to be a big

364

00:17:21,740 --> 00:17:19,230

underground complex yes and some places

365

00:17:22,910 --> 00:17:21,750

down near you near Dulce New Mexico and

366

00:17:25,580 --> 00:17:22,920

so forth there's a lot of scuttlebutt

367

00:17:28,970 --> 00:17:25,590

there do I know firsthand I know nothing

368

00:17:32,060 --> 00:17:28,980

firsthand just what I hear but when we

369

00:17:34,970 --> 00:17:32,070

take the methane thoughts that you have

370

00:17:37,370 --> 00:17:34,980

have come up with the the theory about

371

00:17:39,170 --> 00:17:37,380

the methane and the probability of the

372

00:17:41,390 --> 00:17:39,180

methane I don't even want to demote it

373

00:17:44,390 --> 00:17:41,400

to a theory it's just my verbiage is off

374

00:17:46,370 --> 00:17:44,400

here a little bit but that wouldn't be

375

00:17:48,830 --> 00:17:46,380

much of a help to the

376

00:17:51,049 --> 00:17:48,840

Elite people that would end up in the

377

00:17:54,789 --> 00:17:51,059

tunnels would it because methane drops

378

00:17:58,279 --> 00:17:54,799

or am I mistaken well I can think of

379

00:18:00,049 --> 00:17:58,289

three different ways associated with

380

00:18:02,269 --> 00:18:00,059

climate change with abrupt climate

381

00:18:03,620 --> 00:18:02,279

change that we can cause loss of habitat

382

00:18:05,600 --> 00:18:03,630

for every human being on the planet

383

00:18:07,999 --> 00:18:05,610

and I can think of another couple of

384

00:18:10,279 --> 00:18:08,009

ways not including climate change that

385

00:18:11,570 --> 00:18:10,289

could do the same time because loss of

386

00:18:12,019 --> 00:18:11,580

habitat for every human being on the

387

00:18:16,580 --> 00:18:12,029

planet

388

00:18:21,009 --> 00:18:16,590

methane is one methane from an article

389

00:18:26,029 --> 00:18:21,019

out just today at Robert scribblers

390

00:18:29,720 --> 00:18:26,039

website indicates that peak methane is

391

00:18:32,169 --> 00:18:29,730

approaching 3,000 parts per billion even

392

00:18:35,690 --> 00:18:32,179

as carbon dioxide in the atmosphere

393

00:18:38,419 --> 00:18:35,700

jumps to all-time highs for at this time

394

00:18:41,269 --> 00:18:38,429

of year so NOAA's Madhab station

395

00:18:43,009 --> 00:18:41,279

indicates a new all-time atmospheric

396

00:18:46,999 --> 00:18:43,019

high of two thousand nine hundred sixty

397

00:18:49,070 --> 00:18:47,009

three parts per billion of methane

398

00:18:51,139 --> 00:18:49,080

that's a huge number especially when you

399

00:18:52,519 --> 00:18:51,149

consider that in the short term meaning

400

00:18:54,889 --> 00:18:52,529

less than a decade or two

401
00:18:57,019 --> 00:18:54,899
methane is more than a hundred times

402
00:18:58,580 --> 00:18:57,029
more powerful a greenhouse gas than

403
00:19:01,509 --> 00:18:58,590
carbon dioxide is molecule for molecule

404
00:19:04,580 --> 00:19:01,519
so that's basically the equivalent of

405
00:19:06,230 --> 00:19:04,590
nearly 300 parts per million carbon

406
00:19:09,769 --> 00:19:06,240
dioxide in the atmosphere you add that

407
00:19:11,480 --> 00:19:09,779
onto the all-time world record 400 parts

408
00:19:12,680 --> 00:19:11,490
per million carbon dioxide in the

409
00:19:14,360 --> 00:19:12,690
atmosphere and worth we're at the

410
00:19:16,340 --> 00:19:14,370
equivalent just counting those two

411
00:19:19,430 --> 00:19:16,350
greenhouse gases were at the equivalent

412
00:19:22,009 --> 00:19:19,440
of 700 million co2 remember when we were

413
00:19:24,590 --> 00:19:22,019

told 350 was the absolute upper limit

414

00:19:27,499 --> 00:19:24,600

beyond which we could not go right that

415

00:19:28,249 --> 00:19:27,509

wasn't that long ago if we're at the

416

00:19:31,549 --> 00:19:28,259

equivalent

417

00:19:33,499 --> 00:19:31,559

double that now and and people

418

00:19:35,779 --> 00:19:33,509

constantly tell me that that we're gonna

419

00:19:38,110 --> 00:19:35,789

figure our way out of this between

420

00:19:42,499 --> 00:19:38,120

global Demming between methane release

421

00:19:45,200 --> 00:19:42,509

atmospheric methane and also moistening

422

00:19:48,889 --> 00:19:45,210

of and this is what I haven't talked

423

00:19:52,159 --> 00:19:48,899

about so far moistening of the upper

424

00:19:54,980 --> 00:19:52,169

troposphere I don't see any way out any

425

00:19:57,860 --> 00:19:54,990

one of those three could easily take us

426

00:19:58,659 --> 00:19:57,870

beyond the ability of humans to adapt

427

00:20:02,680 --> 00:19:58,669

and therefore to

428

00:20:06,389 --> 00:20:02,690

extinction okay so just a question here

429

00:20:10,599 --> 00:20:06,399

about the upper troposphere I'm not a

430

00:20:14,859 --> 00:20:10,609

scientist I anticipate rope is fear is

431

00:20:18,999 --> 00:20:14,869

can you elucidate what would happen as

432

00:20:20,710 --> 00:20:19,009

it gets wetter yeah and it is getting

433

00:20:23,320 --> 00:20:20,720

wetter and this is what happens when you

434

00:20:24,810 --> 00:20:23,330

warm the planet when you warm the planet

435

00:20:28,450 --> 00:20:24,820

you increase the amount of evaporation

436

00:20:31,450 --> 00:20:28,460

so the atmosphere becomes wetter and and

437

00:20:34,180 --> 00:20:31,460

then eventually of course some of that

438

00:20:36,580 --> 00:20:34,190

precipitation some of that water falls

439

00:20:38,349 --> 00:20:36,590

out of the atmosphere and you get floods

440

00:20:39,690 --> 00:20:38,359

like we've never seen in human history

441

00:20:42,070 --> 00:20:39,700

and that's what we're seeing in

442

00:20:44,590 --> 00:20:42,080

association with this big El Nino event

443

00:20:46,479 --> 00:20:44,600

but water vapor which is the most

444

00:20:48,460 --> 00:20:46,489

dominant greenhouse gas the most

445

00:20:50,859 --> 00:20:48,470

abundant far more abundant than carbon

446

00:20:53,950 --> 00:20:50,869

dioxide and methane for example water

447

00:20:56,320 --> 00:20:53,960

vapor feedback at least doubles the

448

00:20:58,509 --> 00:20:56,330

amount of warming caused by co2 so if

449

00:21:01,810 --> 00:20:58,519

there's a one degree sea temperature

450

00:21:04,539 --> 00:21:01,820

change caused by co2 and there has been

451
00:21:06,159 --> 00:21:04,549
so far a little over one degree then the

452
00:21:09,639 --> 00:21:06,169
water vapor will cause a temperature to

453
00:21:13,119 --> 00:21:09,649
go up at least another one degree C and

454
00:21:16,269 --> 00:21:13,129
potentially as much as three degrees so

455
00:21:18,849 --> 00:21:16,279
we're looking at at up to four

456
00:21:21,549 --> 00:21:18,859
four-and-a-half degrees C just from the

457
00:21:23,619 --> 00:21:21,559
upper troposphere moistening and that's

458
00:21:25,599 --> 00:21:23,629
in the short-term and then according to

459
00:21:28,359 --> 00:21:25,609
Paul back with looking at the methane

460
00:21:32,019 --> 00:21:28,369
did he made a prediction in November

461
00:21:34,450 --> 00:21:32,029
2014 at the Lima meetings cop20 and he

462
00:21:38,769 --> 00:21:34,460
says we could see an abrupt rise just

463
00:21:41,529 --> 00:21:38,779

from methane in the atmosphere of 5 to 8

464

00:21:45,970 --> 00:21:41,539

degrees centigrade within a decade or

465

00:21:48,099 --> 00:21:45,980

two so you add those together and were

466

00:21:50,499 --> 00:21:48,109

beyond Jurassic Park we're beyond the

467

00:21:53,680 --> 00:21:50,509

warmest point the planet has known in

468

00:21:56,680 --> 00:21:53,690

the last 520 million years oh boy really

469

00:22:00,190 --> 00:21:56,690

those are big numbers yes they are well

470

00:22:02,799 --> 00:22:00,200

what happened in the last 10 Jurassic

471

00:22:06,099 --> 00:22:02,809

area that suddenly went into an ice age

472

00:22:08,229 --> 00:22:06,109

what was I'm sorry I guess I shouldn't

473

00:22:10,180 --> 00:22:08,239

just throw that in uh when you were

474

00:22:12,369 --> 00:22:10,190

talking about Jurassic and then

475

00:22:14,169 --> 00:22:12,379

said okay that was warm but then it was

476
00:22:17,409 --> 00:22:14,179
followed by an ice age so what happened

477
00:22:21,129 --> 00:22:17,419
Jer but uh but that's probably gonna get

478
00:22:23,409 --> 00:22:21,139
you a long asteroid in short no I don't

479
00:22:25,690 --> 00:22:23,419
know something else but no no well it

480
00:22:29,470 --> 00:22:25,700
was a feedback type of a loop and but I

481
00:22:31,899 --> 00:22:29,480
I'm sorry I I just know that that's fine

482
00:22:34,180 --> 00:22:31,909
and and it's interesting there have been

483
00:22:35,619 --> 00:22:34,190
essentially two stable states in the

484
00:22:37,960 --> 00:22:35,629
history of the planet for the last five

485
00:22:40,659 --> 00:22:37,970
hundred million years or so almost the

486
00:22:44,169 --> 00:22:40,669
entirety of that 500 million years has

487
00:22:47,049 --> 00:22:44,179
been at 12 degrees C or Ice Age it's the

488
00:22:48,999 --> 00:22:47,059

planetary average or 22 degrees C which

489

00:22:51,369 --> 00:22:49,009

is Jurassic Park or or hot house earth

490

00:22:52,930 --> 00:22:51,379

so those are the two stable states over

491

00:22:55,149 --> 00:22:52,940

long periods of time essentially nothing

492

00:22:58,899 --> 00:22:55,159

in between for an extended period of

493

00:23:03,580 --> 00:22:58,909

time that's you know we only came to

494

00:23:06,070 --> 00:23:03,590

this relatively stable state that that

495

00:23:08,560 --> 00:23:06,080

allows civilization to arise within the

496

00:23:10,690 --> 00:23:08,570

last few thousand years this is

497

00:23:13,899 --> 00:23:10,700

something new and it it has been

498

00:23:17,320 --> 00:23:13,909

reflected once before about 480 million

499

00:23:19,330 --> 00:23:17,330

years ago there was a short period when

500

00:23:21,159 --> 00:23:19,340

it was where we're at now about 15

501
00:23:24,070 --> 00:23:21,169
degrees centigrade global average

502
00:23:27,310 --> 00:23:24,080
temperature and and it didn't last long

503
00:23:29,470 --> 00:23:27,320
and we don't know we know a lot about

504
00:23:30,820 --> 00:23:29,480
what causes the temperature to increase

505
00:23:33,999 --> 00:23:30,830
suddenly and the self-reinforcing

506
00:23:35,950 --> 00:23:34,009
feedback loops associated with that most

507
00:23:37,330 --> 00:23:35,960
notably the Siberian traps and the

508
00:23:40,450 --> 00:23:37,340
methane released from them due to

509
00:23:43,019 --> 00:23:40,460
volcanism and carbon dioxide as it comes

510
00:23:45,610 --> 00:23:43,029
out of the ocean and in trigger seas

511
00:23:46,450 --> 00:23:45,620
relatively abrupt warming events but we

512
00:23:48,070 --> 00:23:46,460
don't know a lot about the

513
00:23:50,049 --> 00:23:48,080

self-reinforcing feedback loops that are

514

00:23:53,080 --> 00:23:50,059

negative is it because there's a decline

515

00:23:54,310 --> 00:23:53,090

in temperature quite suddenly yes there

516

00:23:56,860 --> 00:23:54,320

have been asteroids that have struck the

517

00:24:02,740 --> 00:23:56,870

earth in the past and caused a pretty

518

00:24:04,119 --> 00:24:02,750

rapid cooling but then 'men it's it's

519

00:24:05,919 --> 00:24:04,129

not as if there's suddenly a bunch of

520

00:24:07,509 --> 00:24:05,929

plants that are taking up carbon dioxide

521

00:24:09,519 --> 00:24:07,519

or removing from the atmosphere or much

522

00:24:10,930 --> 00:24:09,529

phytoplankton in the ocean again plants

523

00:24:13,389 --> 00:24:10,940

that are doing the same thing so we

524

00:24:16,119 --> 00:24:13,399

don't understand how the situation goes

525

00:24:19,480 --> 00:24:16,129

into reverse and causes ice age nearly

526
00:24:22,810 --> 00:24:19,490
as well as we understand the oppressors

527
00:24:24,669 --> 00:24:22,820
in temperature what about the changing

528
00:24:29,770 --> 00:24:24,679
of the Gulf Stream

529
00:24:32,620 --> 00:24:29,780
the the kind of cooling that would

530
00:24:35,230 --> 00:24:32,630
result from the gulfstream not working

531
00:24:36,549 --> 00:24:35,240
any longer yeah that would be a regional

532
00:24:39,419 --> 00:24:36,559
cooling and it appears that that's

533
00:24:42,660 --> 00:24:39,429
underway as predicted by a couple of

534
00:24:46,150 --> 00:24:42,670
consultants for the Pentagon in 2003

535
00:24:47,890 --> 00:24:46,160
guys named Schwartz and Randall and they

536
00:24:49,120 --> 00:24:47,900
had early made a pretty earlier made a

537
00:24:51,850 --> 00:24:49,130
prediction that sort of shocked

538
00:24:53,230 --> 00:24:51,860

everybody when it came true year or so

539

00:24:56,440 --> 00:24:53,240

in advance they predicted the collapse

540

00:24:58,539 --> 00:24:56,450

of the Soviet Union nobody much saw that

541

00:25:00,190 --> 00:24:58,549

coming so when they predicted that the

542

00:25:03,370 --> 00:25:00,200

thermohaline conveyor belt or the Gulf

543

00:25:07,890 --> 00:25:03,380

Stream would stop or reverse course and

544

00:25:10,840 --> 00:25:07,900

caused abrupt cooling in 2003 they were

545

00:25:12,970 --> 00:25:10,850

similarly looked at askance but now they

546

00:25:14,770 --> 00:25:12,980

have this record oh they got the Soviet

547

00:25:17,100 --> 00:25:14,780

Union so and they did their research and

548

00:25:18,880 --> 00:25:17,110

and and they you know reported the

549

00:25:22,419 --> 00:25:18,890

information that was available at the

550

00:25:28,120 --> 00:25:22,429

time that would cause and perhaps even

551
00:25:30,909 --> 00:25:28,130
is causing cooling and and moistening

552
00:25:35,280 --> 00:25:30,919
cooling in increased precipitation in

553
00:25:38,320 --> 00:25:35,290
Western Europe and maybe even northern

554
00:25:41,230 --> 00:25:38,330
Europe and northern northeastern North

555
00:25:44,830 --> 00:25:41,240
America that could be going on but it's

556
00:25:47,110 --> 00:25:44,840
a regional phenomenon it's really

557
00:25:49,270 --> 00:25:47,120
shifting the energy from one part of the

558
00:25:53,320 --> 00:25:49,280
earth to another it's not causing and

559
00:25:58,810 --> 00:25:53,330
overall cooling in the planet right I

560
00:26:03,400 --> 00:25:58,820
was also wondering - well just I'd have

561
00:26:05,680 --> 00:26:03,410
to go back to that Ice Age thing and you

562
00:26:08,890 --> 00:26:05,690
know you talk I don't know it's just

563
00:26:12,580 --> 00:26:08,900

that well I don't understand what you

564

00:26:14,140 --> 00:26:12,590

mean by global dimming I was I mean

565

00:26:15,789 --> 00:26:14,150

obviously I know what dimming means but

566

00:26:25,049 --> 00:26:15,799

what are you referring to when you say

567

00:26:28,530 --> 00:26:25,059

dimming the the in in addition to the

568

00:26:31,090 --> 00:26:28,540

atmospheric particles produced by

569

00:26:33,490 --> 00:26:31,100

industrial activity that cause warming

570

00:26:35,230 --> 00:26:33,500

of the planet and in most of us are

571

00:26:38,409 --> 00:26:35,240

familiar with carbon dioxide for example

572

00:26:40,630 --> 00:26:38,419

and methane much of that methane comes

573

00:26:43,150 --> 00:26:40,640

from livestock emissions just as one

574

00:26:45,659 --> 00:26:43,160

example okay so we know that those

575

00:26:50,169 --> 00:26:45,669

particles act as a blanket that once

576

00:26:51,760 --> 00:26:50,179

long-wave radiation is enters the

577

00:26:53,230 --> 00:26:51,770

atmosphere it gets trapped in the

578

00:26:56,230 --> 00:26:53,240

atmosphere it can't get out it's like

579

00:26:58,930 --> 00:26:56,240

putting blankets on ourself on a winter

580

00:27:01,510 --> 00:26:58,940

night to stay warm the heat source is

581

00:27:03,460 --> 00:27:01,520

civilization the blankets that are

582

00:27:05,290 --> 00:27:03,470

holding the heat close to the earth are

583

00:27:08,830 --> 00:27:05,300

things like carbon dioxide and water

584

00:27:11,650 --> 00:27:08,840

vapor and methane okay so that's that's

585

00:27:13,419 --> 00:27:11,660

the one side of those particles that we

586

00:27:17,370 --> 00:27:13,429

put up into atmosphere the other side of

587

00:27:20,500 --> 00:27:17,380

them is that especially aerosols and

588

00:27:22,780 --> 00:27:20,510

sulfates from for example burning

589

00:27:25,330 --> 00:27:22,790

low-quality coal which is loaded with

590

00:27:28,470 --> 00:27:25,340

sulfur we put those up into the

591

00:27:31,720 --> 00:27:28,480

atmosphere as well and they reflect

592

00:27:35,230 --> 00:27:31,730

potentially incoming solar radiation so

593

00:27:39,310 --> 00:27:35,240

they act as a you know you know those

594

00:27:42,159 --> 00:27:39,320

aluminum colored space blankets yes yeah

595

00:27:44,950 --> 00:27:42,169

that are so efficient and you know

596

00:27:48,280 --> 00:27:44,960

reflecting and trapping well it appears

597

00:27:50,470 --> 00:27:48,290

that those particulates dim the incoming

598

00:27:52,780 --> 00:27:50,480

radiation by smacking it back out into

599

00:27:55,659 --> 00:27:52,790

space by reflecting it back in the space

600

00:27:57,100 --> 00:27:55,669

of aerosols and sulfates in particular

601
00:28:00,010 --> 00:27:57,110
up there in the atmosphere and a

602
00:28:01,960 --> 00:28:00,020
reflecting potentially incoming solar

603
00:28:04,930 --> 00:28:01,970
radiation and not allowing it to get

604
00:28:07,480 --> 00:28:04,940
into the earth at all well we observed

605
00:28:09,070 --> 00:28:07,490
some guy went out on September 14th he

606
00:28:11,080 --> 00:28:09,080
looks up in the sky and he says wow this

607
00:28:13,120 --> 00:28:11,090
guy is so blue without all the airplanes

608
00:28:16,480 --> 00:28:13,130
flying over this was in the United

609
00:28:20,320 --> 00:28:16,490
States and in the wake of September 11

610
00:28:22,180 --> 00:28:20,330
2001 this was September 14 2001 he looks

611
00:28:24,520 --> 00:28:22,190
up and he says I wonder if that has any

612
00:28:26,789 --> 00:28:24,530
effect I wonder if that changes the

613
00:28:28,810 --> 00:28:26,799

temperature signal of the earth by

614

00:28:30,070 --> 00:28:28,820

airplanes in the United States not

615

00:28:32,590 --> 00:28:30,080

flying now bear in mind we were still

616

00:28:35,110 --> 00:28:32,600

burning coal mm-hmm you know we're still

617

00:28:37,210 --> 00:28:35,120

doing all these all these industrial

618

00:28:39,280 --> 00:28:37,220

activities and they're still flying in

619

00:28:41,470 --> 00:28:39,290

other countries just out of the United

620

00:28:45,190 --> 00:28:41,480

States and the global average

621

00:28:49,080 --> 00:28:45,200

temperature signal was affected by just

622

00:28:50,970 --> 00:28:49,090

us planes not flying and measurably so

623

00:28:53,430 --> 00:28:50,980

three days later

624

00:28:58,230 --> 00:28:53,440

Wow so there's a there's a documentary

625

00:29:00,659 --> 00:28:58,240

put out by BBC in 2005 so it's just over

626

00:29:03,570 --> 00:29:00,669

ten years old now there's refereed

627

00:29:06,419 --> 00:29:03,580

journal literature dating back to 2006

628

00:29:09,780 --> 00:29:06,429

with several papers since then about the

629

00:29:13,260 --> 00:29:09,790

impacts of dimming and what happens when

630

00:29:14,760 --> 00:29:13,270

the dimming particulates go away when

631

00:29:16,350 --> 00:29:14,770

they all fall back down to earth and

632

00:29:18,690 --> 00:29:16,360

it's not pretty

633

00:29:22,049 --> 00:29:18,700

in terms of rapid temperature rise at a

634

00:29:24,990 --> 00:29:22,059

planetary scale Wow thank you I have a

635

00:29:28,860 --> 00:29:25,000

question that came in from one of our

636

00:29:31,610 --> 00:29:28,870

loyal listeners who is Rosalie she's a

637

00:29:36,120 --> 00:29:31,620

23 year old engineer from Rhode Island

638

00:29:39,330 --> 00:29:36,130

she has two questions she wants to know

639

00:29:43,289 --> 00:29:39,340

is there any hope one and what's your

640

00:29:45,620 --> 00:29:43,299

plan guy she asks she adds that she'd

641

00:29:52,470 --> 00:29:45,630

like to get some land and become a

642

00:29:56,130 --> 00:29:52,480

self-sustaining farmer sure I'm pretty

643

00:30:01,940 --> 00:29:56,140

Hope free in my life these days hope for

644

00:30:06,240 --> 00:30:01,950

me is the is the other side of the coin

645

00:30:07,620 --> 00:30:06,250

that has fear on the one side we fear

646

00:30:09,330 --> 00:30:07,630

what might happen in the future we hope

647

00:30:11,640 --> 00:30:09,340

for something to happen in the future

648

00:30:15,090 --> 00:30:11,650

but it's wishful thinking right and so

649

00:30:18,990 --> 00:30:15,100

so I don't I don't have hope in that

650

00:30:21,750 --> 00:30:19,000

sense I promote action and and if you're

651
00:30:23,669 --> 00:30:21,760
if you're doing what you love I strongly

652
00:30:27,900 --> 00:30:23,679
support people doing that and especially

653
00:30:30,330 --> 00:30:27,910
if it means following my path which is

654
00:30:32,930 --> 00:30:30,340
walking away from imperialism walking

655
00:30:36,210 --> 00:30:32,940
away from industrial civilization and

656
00:30:39,570 --> 00:30:36,220
living quote off the land or in this

657
00:30:42,690 --> 00:30:39,580
case on the land yes and and do I think

658
00:30:43,890 --> 00:30:42,700
that will change the outcome no no I

659
00:30:47,340 --> 00:30:43,900
know in fact if everybody did that

660
00:30:50,039 --> 00:30:47,350
tomorrow because of the reduction in

661
00:30:51,480 --> 00:30:50,049
particular its we would experience such

662
00:30:53,340 --> 00:30:51,490
an abrupt rise in global average

663
00:30:55,530 --> 00:30:53,350

temperature because the lack of global

664

00:30:59,690 --> 00:30:55,540

dimming that we'd probably lose habitat

665

00:31:03,299 --> 00:30:59,700

for humans in a matter of days Wow

666

00:31:04,799 --> 00:31:03,309

but but I'm not I'm not promoting or

667

00:31:08,249 --> 00:31:04,809

proposing in a

668

00:31:10,590 --> 00:31:08,259

gen-i I strongly encourage people to

669

00:31:13,619 --> 00:31:10,600

take action but for from the sort of

670

00:31:15,450 --> 00:31:13,629

Buddhist perspective I recommend that

671

00:31:18,060 --> 00:31:15,460

people not become too attached to the

672

00:31:21,299 --> 00:31:18,070

out film because I think the outcome at

673

00:31:23,070 --> 00:31:21,309

this point is pretty much locked in yes

674

00:31:24,779 --> 00:31:23,080

you know we're gonna lose habitat for

675

00:31:27,720 --> 00:31:24,789

humans and in the not very distant

676
00:31:29,669 --> 00:31:27,730
future and no matter what we do so do

677
00:31:31,889 --> 00:31:29,679
what you love try to take the right

678
00:31:34,470 --> 00:31:31,899
actions not be too detached to the

679
00:31:38,879 --> 00:31:34,480
outcome and that's that's a story that I

680
00:31:40,190 --> 00:31:38,889
think we can all adopt and accept no

681
00:31:44,580 --> 00:31:40,200
matter what we believe

682
00:31:46,320 --> 00:31:44,590
so actually in essence this sort of

683
00:31:50,519 --> 00:31:46,330
crisis situation has been brought about

684
00:31:53,249 --> 00:31:50,529
by the internal combustion engine in its

685
00:31:55,889 --> 00:31:53,259
various forms yes the Industrial

686
00:31:58,470 --> 00:31:55,899
Revolution or the industrial version of

687
00:32:00,180 --> 00:31:58,480
civilization definitely civilizations

688
00:32:01,980 --> 00:32:00,190

arose a few thousand years ago at least

689

00:32:03,840 --> 00:32:01,990

seven places around the planet more or

690

00:32:06,180 --> 00:32:03,850

less at the same time and there are

691

00:32:09,869 --> 00:32:06,190

consequences for any civilization that

692

00:32:12,960 --> 00:32:09,879

involve a great disparity and wealth

693

00:32:16,019 --> 00:32:12,970

that involve a degradation of habitat

694

00:32:18,659 --> 00:32:16,029

for humans and so on but but that's been

695

00:32:20,489 --> 00:32:18,669

within the last let's say 300 400 years

696

00:32:23,039 --> 00:32:20,499

and then prior to that there have been

697

00:32:26,279 --> 00:32:23,049

some very successful civilizations

698

00:32:29,149 --> 00:32:26,289

although not technical and yet this

699

00:32:34,049 --> 00:32:29,159

global warming has been coming along for

700

00:32:36,210 --> 00:32:34,059

back in that era as well right so so

701
00:32:38,279 --> 00:32:36,220
that even though so the Industrial

702
00:32:40,529 --> 00:32:38,289
Revolution then would have sped up the

703
00:32:43,230 --> 00:32:40,539
process but not really affected it more

704
00:32:46,320 --> 00:32:43,240
than that well you know we know that the

705
00:32:49,919 --> 00:32:46,330
planet has experienced these two

706
00:32:53,970 --> 00:32:49,929
relatively stable states hot house and

707
00:32:55,859 --> 00:32:53,980
Ice Age okay and and so over a long

708
00:32:58,590 --> 00:32:55,869
enough time scale of course we're going

709
00:33:01,980 --> 00:32:58,600
to enter one or both of those states

710
00:33:05,999 --> 00:33:01,990
that's what that's with the records for

711
00:33:08,730 --> 00:33:06,009
the last 500 500 million years are

712
00:33:10,909 --> 00:33:08,740
telling us we certainly have accelerated

713
00:33:13,590 --> 00:33:10,919

the process through industrial activity

714

00:33:15,180 --> 00:33:13,600

why are they not to be funny but back in

715

00:33:17,669 --> 00:33:15,190

the Jurassic era where you did have

716

00:33:18,310 --> 00:33:17,679

these huge beasts the dinosaurs which I

717

00:33:20,770 --> 00:33:18,320

am sure

718

00:33:23,050 --> 00:33:20,780

produced best Seder unbelievable rate I

719

00:33:26,860 --> 00:33:23,060

wonder if that was what triggered it off

720

00:33:28,780 --> 00:33:26,870

even back then I don't know I've just I

721

00:33:34,420 --> 00:33:28,790

I you really gave me a lot of reason to

722

00:33:39,430 --> 00:33:34,430

sink in them it's just yes because and

723

00:33:42,100 --> 00:33:39,440

they're not happy so yeah but yeah I'm

724

00:33:43,780 --> 00:33:42,110

wondering you know having had personal

725

00:33:46,630 --> 00:33:43,790

experience with a great number of cows

726

00:33:49,840 --> 00:33:46,640

and that's only like 30 or 40 in a barn

727

00:33:52,930 --> 00:33:49,850

I I can tell you the methane gets up

728

00:33:55,300 --> 00:33:52,940

pretty high pretty fast right especially

729

00:33:58,480 --> 00:33:55,310

fed the right kind of grain but yeah I

730

00:34:00,400 --> 00:33:58,490

wonder if maybe it wasn't just the

731

00:34:02,200 --> 00:34:00,410

asteroid maybe the dinosaurs are

732

00:34:04,990 --> 00:34:02,210

bringing things around anybody I don't

733

00:34:08,350 --> 00:34:05,000

know who knows but they they did

734

00:34:11,320 --> 00:34:08,360

speculate during the last great flood

735

00:34:13,360 --> 00:34:11,330

that there was a critical mass of human

736

00:34:16,120 --> 00:34:13,370

population that was necessary to

737

00:34:18,150 --> 00:34:16,130

preserve the race and I think someone

738

00:34:22,510 --> 00:34:18,160

speculated that it was approximately

739

00:34:24,520 --> 00:34:22,520

2,000 people worldwide since there's

740

00:34:27,850 --> 00:34:24,530

gonna be some survivors in caves

741

00:34:30,010 --> 00:34:27,860

somewhere somehow probably and they may

742

00:34:32,370 --> 00:34:30,020

reproduce and then maybe everything will

743

00:34:35,020 --> 00:34:32,380

cool down and go back to the 12 degree

744

00:34:37,390 --> 00:34:35,030

and there may be a temperate climate

745

00:34:40,210 --> 00:34:37,400

somewhere in between you think but

746

00:34:42,780 --> 00:34:40,220

there's absolutely no hope whatsoever is

747

00:34:45,790 --> 00:34:42,790

what you're saying well the last time

748

00:34:48,960 --> 00:34:45,800

the last time it was warm the last time

749

00:34:53,710 --> 00:34:48,970

we were in hothouse uh-huh was from

750

00:34:55,930 --> 00:34:53,720

roughly 135 million to roughly 45

751
00:34:58,660 --> 00:34:55,940
million years ago so you know in the

752
00:35:00,310 --> 00:34:58,670
neighborhood 90 million years mm-hmm 90

753
00:35:03,190 --> 00:35:00,320
million years without habitat for humans

754
00:35:05,110 --> 00:35:03,200
is a long time yep so far Homo sapiens

755
00:35:06,970 --> 00:35:05,120
has been here 2.8 million years we just

756
00:35:09,580 --> 00:35:06,980
need the last 30 times that long a

757
00:35:11,080 --> 00:35:09,590
little more and and then come out the

758
00:35:13,900 --> 00:35:11,090
other side until we started entering the

759
00:35:17,800 --> 00:35:13,910
Ice Age in addition when civilization

760
00:35:20,560 --> 00:35:17,810
collapses surely it will that's not the

761
00:35:22,500 --> 00:35:20,570
only issue it's not just heating that is

762
00:35:26,650 --> 00:35:22,510
the issue here there's something

763
00:35:29,650 --> 00:35:26,660

arguably more important it's the

764

00:35:30,950 --> 00:35:29,660

catastrophic meltdown of 445 nuclear

765

00:35:33,500 --> 00:35:30,960

power plants around the world

766

00:35:35,329 --> 00:35:33,510

oh yeah that's true too yeah we've

767

00:35:38,359 --> 00:35:35,339

already seen what it did to the Pacific

768

00:35:40,730 --> 00:35:38,369

Ocean yeah if we care to look yeah this

769

00:35:42,650 --> 00:35:40,740

is right yeah doesn't look too good huh

770

00:35:44,710 --> 00:35:42,660

absolutely and and people will let

771

00:35:47,900 --> 00:35:44,720

smarter have me than me have argued that

772

00:35:51,500 --> 00:35:47,910

Fukushima alone is an extinction-level

773

00:35:55,880 --> 00:35:51,510

event for humans on this planet and and

774

00:35:57,020 --> 00:35:55,890

that's one plant hundreds yeah well you

775

00:36:07,400 --> 00:35:57,030

know what I'm not even gonna buy the

776

00:36:10,520 --> 00:36:07,410

lottery ticket that's it absolutely

777

00:36:14,510 --> 00:36:10,530

absolutely I agree with that I want to

778

00:36:17,690 --> 00:36:14,520

just let our listeners know that you can

779

00:36:20,540 --> 00:36:17,700

be found at night fearsome calm that you

780

00:36:24,430 --> 00:36:20,550

have an excellent podcast called nature

781

00:36:30,170 --> 00:36:24,440

bats last and I wanted to also thank

782

00:36:31,550 --> 00:36:30,180

thank Linda jeez Linda LeBlanc I always

783

00:36:33,290 --> 00:36:31,560

want to call her something less name

784

00:36:36,400 --> 00:36:33,300

something else whoo

785

00:36:39,200 --> 00:36:36,410

what put me on to you about a year ago

786

00:36:42,170 --> 00:36:39,210

at a meeting that we attended together

787

00:36:44,660 --> 00:36:42,180

and she told me a very distressing

788

00:36:47,960 --> 00:36:44,670

methane scenario that she had heard from

789

00:36:50,240 --> 00:36:47,970

you and where we might not be able to

790

00:36:53,120 --> 00:36:50,250

breathe and you also have a fairly

791

00:36:55,220 --> 00:36:53,130

famous quote out there if you think

792

00:36:57,290 --> 00:36:55,230

money is very important try counting it

793

00:36:59,329 --> 00:36:57,300

when you can't breathe something of

794

00:37:01,730 --> 00:36:59,339

that nature I'm not I'm not really good

795

00:37:04,550 --> 00:37:01,740

quote er but that's where it's so can

796

00:37:06,380 --> 00:37:04,560

you elucidate that a little bit yeah I

797

00:37:09,400 --> 00:37:06,390

said this years ago when I was a speaker

798

00:37:12,380 --> 00:37:09,410

tour if you think the environment is

799

00:37:14,120 --> 00:37:12,390

less important than the economy try

800

00:37:16,040 --> 00:37:14,130

holding your breath while counting your

801
00:37:18,650 --> 00:37:16,050
money exactly yes

802
00:37:20,540 --> 00:37:18,660
and and that's that's really where we

803
00:37:27,200 --> 00:37:20,550
are I mean in this culture we've managed

804
00:37:29,089 --> 00:37:27,210
to monetize every single thing air look

805
00:37:32,270 --> 00:37:29,099
what's happening we're sending air from

806
00:37:35,900 --> 00:37:32,280
Canada to Beijing and charging money for

807
00:37:38,060 --> 00:37:35,910
it we monetize oh yeah yeah you can't

808
00:37:40,130 --> 00:37:38,070
breathe there's no clean air in a couple

809
00:37:41,329 --> 00:37:40,140
of cities in China absolutely so people

810
00:37:44,359 --> 00:37:41,339
are willing to pay almost anything to

811
00:37:46,759 --> 00:37:44,369
breathe of course you can't see your

812
00:37:49,910 --> 00:37:46,769
and in front of your face you literally

813
00:37:53,120 --> 00:37:49,920

cannot see across the street and it's

814

00:37:55,549 --> 00:37:53,130

not like fog it's orange and you know

815

00:37:58,700 --> 00:37:55,559

it's killing you and when you see little

816

00:38:01,819 --> 00:37:58,710

children walking around in Beijing you

817

00:38:02,690 --> 00:38:01,829

wonder what could their parents possibly

818

00:38:07,099 --> 00:38:02,700

be thinking

819

00:38:08,529 --> 00:38:07,109

Wow yes it's true I have another another

820

00:38:12,079 --> 00:38:08,539

question here

821

00:38:14,299 --> 00:38:12,089

shattered reality podcast deals with

822

00:38:16,849 --> 00:38:14,309

edge science of different sorts from

823

00:38:20,420 --> 00:38:16,859

time to time and often we deal with

824

00:38:24,019 --> 00:38:20,430

consciousness and because matter

825

00:38:26,989 --> 00:38:24,029

consists of atoms as has been found by

826

00:38:31,160 --> 00:38:26,999

physicists to be almost empty space and

827

00:38:33,980 --> 00:38:31,170

because through the famous double slit

828

00:38:35,690 --> 00:38:33,990

experiment with electrons has proven

829

00:38:39,470 --> 00:38:35,700

that observation and therefore

830

00:38:42,230 --> 00:38:39,480

consciousness has an effect on matter do

831

00:38:45,650 --> 00:38:42,240

you believe that consciousness can have

832

00:38:48,890 --> 00:38:45,660

an effect on climate change and it's

833

00:38:50,809 --> 00:38:48,900

concurrent effects secondly do you

834

00:38:53,720 --> 00:38:50,819

believe that any non-physical

835

00:38:56,559 --> 00:38:53,730

intelligences can have an effect on the

836

00:38:59,150 --> 00:38:56,569

3d world in which we live biologically I

837

00:39:10,670 --> 00:38:59,160

know that's a to bigger but this was

838

00:39:14,029 --> 00:39:10,680

just an hour show there are a lot of

839

00:39:22,999 --> 00:39:14,039

things we don't know I've seen no

840

00:39:25,670 --> 00:39:23,009

evidence to suggest that we much control

841

00:39:28,759 --> 00:39:25,680

over our consciousness to begin with and

842

00:39:30,920 --> 00:39:28,769

that if we all come together as an act

843

00:39:33,849 --> 00:39:30,930

of human consciousness and by the way

844

00:39:36,349 --> 00:39:33,859

these predicaments we face are really

845

00:39:42,289 --> 00:39:36,359

predicaments of consciousness of human

846

00:39:47,049 --> 00:39:42,299

consciousness so if we all change paths

847

00:39:50,150 --> 00:39:47,059

if we become more enlightened if we

848

00:39:52,609 --> 00:39:50,160

experiencing a rapid wave in human

849

00:39:55,700 --> 00:39:52,619

consciousness will that solve the

850

00:39:57,930 --> 00:39:55,710

situation it would surprise me based on

851

00:40:02,609 --> 00:39:57,940

the evidence I've seen but as I said

852

00:40:04,650 --> 00:40:02,619

or yeah I think we should attempt to do

853

00:40:06,809 --> 00:40:04,660

what's right to take those right actions

854

00:40:10,290 --> 00:40:06,819

from the Buddhist perspective regardless

855

00:40:13,530 --> 00:40:10,300

of the outcome so that's why I go around

856

00:40:15,720 --> 00:40:13,540

telling people the evidence that I have

857

00:40:20,550 --> 00:40:15,730

at my disposal I'm frequently disparaged

858

00:40:22,170 --> 00:40:20,560

for that because clearly if we can't fix

859

00:40:23,970 --> 00:40:22,180

it then why should I go around telling

860

00:40:25,440 --> 00:40:23,980

people that's like telling people you're

861

00:40:27,000 --> 00:40:25,450

going to die well of course everybody

862

00:40:29,040 --> 00:40:27,010

knows they're going to die so they don't

863

00:40:30,780 --> 00:40:29,050

need the reminder and it makes me some

864

00:40:35,849 --> 00:40:30,790

somewhat of a bummer at parties when I

865

00:40:37,589 --> 00:40:35,859

bring that stuff up but but I think you

866

00:40:40,170 --> 00:40:37,599

know you know climate scientists people

867

00:40:42,270 --> 00:40:40,180

who know and bear in mind that most

868

00:40:44,910 --> 00:40:42,280

climate scientists are not biologists

869

00:40:48,150 --> 00:40:44,920

and don't have an understanding of

870

00:40:49,650 --> 00:40:48,160

ecosystem processes so maybe they really

871

00:40:51,599 --> 00:40:49,660

don't know maybe if you're a physicist

872

00:40:54,510 --> 00:40:51,609

maybe if you're an engineer and that's

873

00:40:56,069 --> 00:40:54,520

your educational background as a climate

874

00:40:58,140 --> 00:40:56,079

scientist maybe you really believe that

875

00:41:01,109 --> 00:40:58,150

we can survive anything including

876

00:41:03,089 --> 00:41:01,119

Jurassic Park plus nuclear ionizing

877

00:41:05,760 --> 00:41:03,099

radiation no I think that would be

878

00:41:08,400 --> 00:41:05,770

absurd but maybe some people actually

879

00:41:09,540 --> 00:41:08,410

believe that so I'm constantly told that

880

00:41:11,670 --> 00:41:09,550

I shouldn't go around telling people

881

00:41:15,240 --> 00:41:11,680

this but I think the people who do know

882

00:41:17,970 --> 00:41:15,250

and stop a stop a step short and say

883

00:41:19,859 --> 00:41:17,980

that we need to have hope and that that

884

00:41:21,960 --> 00:41:19,869

if we just do these three things right

885

00:41:25,950 --> 00:41:21,970

squirt of light bulbs which into Priuses

886

00:41:27,930 --> 00:41:25,960

and and for going hot showers that it's

887

00:41:31,050 --> 00:41:27,940

all going to be fine I think that's

888

00:41:32,849 --> 00:41:31,060

malpractice actually we are in the midst

889

00:41:35,069 --> 00:41:32,859

of abrupt climate change it's almost

890

00:41:37,740 --> 00:41:35,079

certain to cause human extinction in a

891

00:41:39,240 --> 00:41:37,750

not very distant future and so to tell

892

00:41:42,510 --> 00:41:39,250

people otherwise so that you can keep

893

00:41:46,829 --> 00:41:42,520

your paycheck to me screams malpractice

894

00:41:49,020 --> 00:41:46,839

yes and I've heard you castigate a few

895

00:41:51,780 --> 00:41:49,030

of the other climate scientists

896

00:41:53,520 --> 00:41:51,790

including a woman who was kind of you

897

00:41:56,550 --> 00:41:53,530

know make some somewhat laughable

898

00:42:00,990 --> 00:41:56,560

statements but I think that probably

899

00:42:05,010 --> 00:42:01,000

goes off the grid for our our listeners

900

00:42:08,670 --> 00:42:05,020

they totally unaware of that that

901
00:42:11,700 --> 00:42:08,680
direction except for maybe James Hansen

902
00:42:14,370 --> 00:42:11,710
the former NASA fellow I think may maybe

903
00:42:17,430 --> 00:42:14,380
people know of him and he did quit his

904
00:42:19,920 --> 00:42:17,440
job too and he did protest the Excel

905
00:42:21,240 --> 00:42:19,930
pipeline and so forth so it does seem as

906
00:42:23,940 --> 00:42:21,250
though his heart is in the right place

907
00:42:25,410 --> 00:42:23,950
and if it weren't for him a lot of

908
00:42:28,440 --> 00:42:25,420
people in the united states wouldn't

909
00:42:30,690 --> 00:42:28,450
even know about global warming that's

910
00:42:34,260 --> 00:42:30,700
right he went before Congress in 1988

911
00:42:35,910 --> 00:42:34,270
and made a profound statement and and

912
00:42:38,640 --> 00:42:35,920
said that we need to do something about

913
00:42:42,740 --> 00:42:38,650

this right now or were in real trouble

914

00:42:47,130 --> 00:42:42,750

well that was 1988 we're in real trouble

915

00:42:49,470 --> 00:42:47,140

I do it definitely his his heart is in

916

00:42:51,810 --> 00:42:49,480

the right place he is trying to ring the

917

00:42:55,740 --> 00:42:51,820

alarm he's just not getting a lot of

918

00:42:58,440 --> 00:42:55,750

attention and everybody including to a

919

00:43:00,329 --> 00:42:58,450

certain extent him thinks that climate

920

00:43:03,270 --> 00:43:00,339

change is a problem the grandchildren

921

00:43:04,530 --> 00:43:03,280

will need to solve after all his 2007

922

00:43:06,690 --> 00:43:04,540

book was called storms of my

923

00:43:09,720 --> 00:43:06,700

grandchildren it wasn't called storms of

924

00:43:13,260 --> 00:43:09,730

today right even though it came out post

925

00:43:16,589 --> 00:43:13,270

Katrina and right before Hurricane sandy

926
00:43:20,640 --> 00:43:16,599
and Haiyan struck the Philippines less

927
00:43:23,670 --> 00:43:20,650
than two years ago so you know there yes

928
00:43:25,470 --> 00:43:23,680
there are shades of gray here and or in

929
00:43:28,620 --> 00:43:25,480
many ways James Hansen has been doing

930
00:43:31,140 --> 00:43:28,630
the right thing for a long time yeah

931
00:43:33,900 --> 00:43:31,150
well getting back to Katrina a lot of

932
00:43:38,250 --> 00:43:33,910
people sort of intimated that perhaps

933
00:43:43,829 --> 00:43:38,260
HAARP the not it's an acronym H AARP

934
00:43:46,829 --> 00:43:43,839
double-a RP o HW was but possibly used

935
00:43:49,200 --> 00:43:46,839
to redirect Katrina over a major city

936
00:43:51,630 --> 00:43:49,210
and I mean that that's a conspiracy

937
00:43:54,630 --> 00:43:51,640
theorist type thing but Begich is the

938
00:43:56,550 --> 00:43:54,640

focal Vega Jews from Alaska and wrote a

939

00:44:00,359 --> 00:43:56,560

terrific book angels don't play this

940

00:44:03,150 --> 00:44:00,369

harp but had you heard anything about

941

00:44:06,060 --> 00:44:03,160

that is that use just simply for weather

942

00:44:08,490 --> 00:44:06,070

control and nasty things or is a

943

00:44:11,220 --> 00:44:08,500

government trying to figure things out

944

00:44:13,230 --> 00:44:11,230

well the United States abandoned their

945

00:44:16,320 --> 00:44:13,240

research with HAARP

946

00:44:18,150 --> 00:44:16,330

which was intended as a as a weather

947

00:44:20,970 --> 00:44:18,160

manipulation okay atmosphere

948

00:44:24,630 --> 00:44:20,980

manipulation project but they abandoned

949

00:44:25,680 --> 00:44:24,640

that project a few years ago is it still

950

00:44:27,660 --> 00:44:25,690

going

951

00:44:28,710 --> 00:44:27,670

I don't know and I haven't seen any

952

00:44:33,509 --> 00:44:28,720

compelling evidence

953

00:44:35,220 --> 00:44:33,519

yeah it's but but again I don't know

954

00:44:37,470 --> 00:44:35,230

there you know there's lots of things I

955

00:44:38,640 --> 00:44:37,480

don't know if you want the full list you

956

00:44:50,519 --> 00:44:38,650

can check with my wife as with most

957

00:44:54,599 --> 00:44:50,529

buses so she has it right there okay

958

00:44:58,920 --> 00:44:54,609

well yeah as far as government projects

959

00:45:00,870 --> 00:44:58,930

go having known a number of the

960

00:45:04,259 --> 00:45:00,880

government former government remote

961

00:45:05,549 --> 00:45:04,269

viewers personally and knowing that the

962

00:45:09,630 --> 00:45:05,559

government said they stopped that

963

00:45:12,299 --> 00:45:09,640

program I'm not sure yeah I'm not sure

964

00:45:15,180 --> 00:45:12,309

so if that's any indication of anything

965

00:45:17,279 --> 00:45:15,190

but we don't know yeah it does get to be

966

00:45:19,170 --> 00:45:17,289

so aggravating you know there's a bunch

967

00:45:21,509 --> 00:45:19,180

of little fellas running around playing

968

00:45:25,559 --> 00:45:21,519

government you know it's just like press

969

00:45:27,779 --> 00:45:25,569

up morons well certainly we certainly

970

00:45:31,769 --> 00:45:27,789

are lied to on a very frequent basis I

971

00:45:34,259 --> 00:45:31,779

think you deny that and it gets to be

972

00:45:36,269 --> 00:45:34,269

very discouraging them what what is

973

00:45:38,579 --> 00:45:36,279

everyone gonna grow up you know it's

974

00:45:40,620 --> 00:45:38,589

they're not you know I don't know it's

975

00:45:42,960 --> 00:45:40,630

just you know you you actually make some

976

00:45:44,370 --> 00:45:42,970

excellent points obviously and yes we

977

00:45:46,829 --> 00:45:44,380

should be listening to you and yes

978

00:45:48,839 --> 00:45:46,839

enjoying what time we have left since

979

00:45:52,079 --> 00:45:48,849

we've already messed it up beyond hope

980

00:45:53,970 --> 00:45:52,089

and yet everyone is gonna go on as if

981

00:45:55,739 --> 00:45:53,980

nothing's going I mean looking begging

982

00:45:59,609 --> 00:45:55,749

I'm sure people aren't moving out of the

983

00:46:02,880 --> 00:45:59,619

city Jerry Hall Jerry Hall Mick Jagger's

984

00:46:06,359 --> 00:46:02,890

former wife high fashion model yeah has

985

00:46:08,309 --> 00:46:06,369

gotten engaged to Rupert Murdoch now if

986

00:46:10,079 --> 00:46:08,319

that isn't a sellout for the buck I

987

00:46:11,789 --> 00:46:10,089

don't know what is yeah but at least he

988

00:46:14,489 --> 00:46:11,799

didn't go with some young chick I mean

989

00:46:16,559 --> 00:46:14,499

she's got to be pushing 60 she has to be

990

00:46:19,289 --> 00:46:16,569

jackets up in his seventh yes she is but

991

00:46:26,339 --> 00:46:19,299

come on so you think he's marrying her

992

00:46:31,440 --> 00:46:26,349

for money yeah I think she's got a few

993

00:46:34,229 --> 00:46:31,450

oxygen tanks and in any case she's a

994

00:46:34,990 --> 00:46:34,239

really intelligent fun person have you

995

00:46:37,330 --> 00:46:35,000

ever seen

996

00:46:39,250 --> 00:46:37,340

yes yes I have and she's she's

997

00:46:42,670 --> 00:46:39,260

interesting I see what makes saw in her

998

00:46:45,100 --> 00:46:42,680

and she's certainly not stupid maybe he

999

00:46:52,830 --> 00:46:45,110

wanted to have a good conversation for a

1000

00:46:57,790 --> 00:46:55,390

what I was going to say about you have a

1001
00:47:00,010 --> 00:46:57,800
couple of articles on your website that

1002
00:47:02,740 --> 00:47:00,020
I wanted to see if you thought would be

1003
00:47:05,080 --> 00:47:02,750
worthwhile directing people to one of

1004
00:47:07,330 --> 00:47:05,090
which was I believe is called preparing

1005
00:47:11,530 --> 00:47:07,340
in place and the other one has to do

1006
00:47:14,170 --> 00:47:11,540
with preparing like Moberly for the

1007
00:47:18,670 --> 00:47:14,180
effects of climate change if you happen

1008
00:47:20,860 --> 00:47:18,680
to still be alive yeah I mean you can

1009
00:47:23,260 --> 00:47:20,870
you can just use the search words in the

1010
00:47:25,420 --> 00:47:23,270
search box at nature bats last that's

1011
00:47:26,860 --> 00:47:25,430
guy McPherson dot-com so you type in guy

1012
00:47:28,810 --> 00:47:26,870
McPherson calm and it doesn't even

1013
00:47:31,000 --> 00:47:28,820

matter if you spell it wrong it it keeps

1014

00:47:34,120 --> 00:47:31,010

you in the same neighborhood and then

1015

00:47:36,250 --> 00:47:34,130

the first thing you see is the line that

1016

00:47:37,720 --> 00:47:36,260

says nature bats last our days are

1017

00:47:39,070 --> 00:47:37,730

numbered passionately pursue a life of

1018

00:47:41,950 --> 00:47:39,080

excellence and just to the right of that

1019

00:47:43,240 --> 00:47:41,960

it says enter search keyword so if you

1020

00:47:45,220 --> 00:47:43,250

want to find that as a preparing in

1021

00:47:48,280 --> 00:47:45,230

place you just type in preparing in

1022

00:47:50,230 --> 00:47:48,290

place and hit return and I imagine it'll

1023

00:47:53,500 --> 00:47:50,240

be the first thing that comes up yes

1024

00:47:56,740 --> 00:47:53,510

because I thought that people would like

1025

00:48:00,070 --> 00:47:56,750

to take a look at that particularly and

1026

00:48:04,090 --> 00:48:00,080

I also note something else that you

1027

00:48:06,850 --> 00:48:04,100

wrote down there about folks not

1028

00:48:10,000 --> 00:48:06,860

committing suicide and though that

1029

00:48:12,730 --> 00:48:10,010

people have the right to do that and do

1030

00:48:15,580 --> 00:48:12,740

you think that people should keep

1031

00:48:19,120 --> 00:48:15,590

something aside for themselves should

1032

00:48:22,270 --> 00:48:19,130

things become really dismal as in people

1033

00:48:24,160 --> 00:48:22,280

rating and cannibalizing they might want

1034

00:48:27,160 --> 00:48:24,170

to end you might want to end things a

1035

00:48:30,160 --> 00:48:27,170

little bit sooner it yeah I get that

1036

00:48:31,420 --> 00:48:30,170

right or am i totally off no that's

1037

00:48:33,520 --> 00:48:31,430

that's a perfectly reasonable question

1038

00:48:35,950 --> 00:48:33,530

in fact when you go to guy McPherson

1039

00:48:37,870 --> 00:48:35,960

calm there's a little one-minute video

1040

00:48:40,180 --> 00:48:37,880

clip of me in the right hand column and

1041

00:48:43,420 --> 00:48:40,190

just below that it says contemplating

1042

00:48:46,960 --> 00:48:43,430

suicide please read this and you click

1043

00:48:47,890 --> 00:48:46,970

that this is just a very very short for

1044

00:48:49,569 --> 00:48:47,900

sentence essay

1045

00:48:51,940 --> 00:48:49,579

says if you're contemplating suicide

1046

00:48:55,210 --> 00:48:51,950

please reconsider and then click here

1047

00:48:58,329 --> 00:48:55,220

for awareness prevention and support on

1048

00:49:00,609 --> 00:48:58,339

the topic of suicide I'm not advocating

1049

00:49:03,490 --> 00:49:00,619

for or against a suicide I'm

1050

00:49:05,620 --> 00:49:03,500

non-judgmental about the issue I agree

1051
00:49:06,910 --> 00:49:05,630
with Archbishop Desmond Tutu that every

1052
00:49:10,000 --> 00:49:06,920
human being has right to make the

1053
00:49:14,170 --> 00:49:10,010
decision to end his or her own life and

1054
00:49:16,599 --> 00:49:14,180
and then I include a link to to an essay

1055
00:49:17,950 --> 00:49:16,609
by a guy named Martin mainly and I say

1056
00:49:21,670 --> 00:49:17,960
it can be thought a thoughtful decision

1057
00:49:26,019 --> 00:49:21,680
is illustrated by Martin Manley so I

1058
00:49:30,480 --> 00:49:26,029
think depriving people of the right to

1059
00:49:32,950 --> 00:49:30,490
in their own life is utterly absurd and

1060
00:49:35,559 --> 00:49:32,960
to use a word we never use in this

1061
00:49:38,019 --> 00:49:35,569
culture wrong yes I'm not gonna say

1062
00:49:42,010 --> 00:49:38,029
inappropriate here I'm gonna say wrong I

1063
00:49:44,470 --> 00:49:42,020

would agree and and and so I don't think

1064

00:49:47,349 --> 00:49:44,480

that we should deny people the right to

1065

00:49:49,839 --> 00:49:47,359

in their own lives we didn't have any

1066

00:49:51,039 --> 00:49:49,849

decision about coming into this world we

1067

00:49:53,980 --> 00:49:51,049

didn't have any did we just showed up

1068

00:49:59,349 --> 00:49:53,990

and for some people it's absolute misery

1069

00:50:02,309 --> 00:49:59,359

every day do do I promote people living

1070

00:50:06,370 --> 00:50:02,319

miserable lives against their own wishes

1071

00:50:08,200 --> 00:50:06,380

for even longer no of course not

1072

00:50:10,180 --> 00:50:08,210

you know if you're if you're being

1073

00:50:13,120 --> 00:50:10,190

tortured and people are actually

1074

00:50:15,339 --> 00:50:13,130

tortured by entities such as the United

1075

00:50:18,430 --> 00:50:15,349

States government and if you're being

1076

00:50:19,779 --> 00:50:18,440

tortured I'll bat that and you know I

1077

00:50:21,849 --> 00:50:19,789

haven't been subjected to this kind of

1078

00:50:23,230 --> 00:50:21,859

torture so I can't say for sure but I'd

1079

00:50:24,910 --> 00:50:23,240

be willing to bet that a lot of people

1080

00:50:27,549 --> 00:50:24,920

who are being tortured would rather die

1081

00:50:31,089 --> 00:50:27,559

and just be done with it I would suspect

1082

00:50:34,299 --> 00:50:31,099

so and and I think the United States is

1083

00:50:37,329 --> 00:50:34,309

one of the few countries where people on

1084

00:50:40,510 --> 00:50:37,339

some level expect to live forever in

1085

00:50:44,710 --> 00:50:40,520

Europe people do not spend their entire

1086

00:50:47,160 --> 00:50:44,720

legacy fortune whatever on end care in

1087

00:50:52,000 --> 00:50:47,170

other words what happens to them between

1088

00:50:55,569 --> 00:50:52,010

85 and 87 when they're in a decline they

1089

00:50:57,519 --> 00:50:55,579

don't spend every penny on perpetuating

1090

00:51:01,029 --> 00:50:57,529

this life which is not going to work out

1091

00:51:01,960 --> 00:51:01,039

let's face it at that juncture but they

1092

00:51:04,480 --> 00:51:01,970

chew

1093

00:51:06,340 --> 00:51:04,490

they choose to end their own lives and

1094

00:51:08,980 --> 00:51:06,350

they are supported by the government in

1095

00:51:12,370 --> 00:51:08,990

doing that which i think is much more

1096

00:51:14,680 --> 00:51:12,380

humane than forcing somebody to live on

1097

00:51:16,660 --> 00:51:14,690

as a vegetable or whatever that wasn't

1098

00:51:18,670 --> 00:51:16,670

exactly what I was talking about though

1099

00:51:22,360 --> 00:51:18,680

I like everything else I have an opinion

1100

00:51:27,910 --> 00:51:22,370

on it but what I was talking about is a

1101
00:51:29,860 --> 00:51:27,920
in and an end time scenario where things

1102
00:51:33,220 --> 00:51:29,870
have really gotten out of hand and it's

1103
00:51:36,300 --> 00:51:33,230
clear that the environment is going

1104
00:51:39,660 --> 00:51:36,310
downhill and people are revolting maybe

1105
00:51:43,270 --> 00:51:39,670
looking for supplies raiding your home

1106
00:51:45,580 --> 00:51:43,280
maybe even engaging in cannibalism it

1107
00:51:50,280 --> 00:51:45,590
might be a possibility that somebody

1108
00:51:53,830 --> 00:51:50,290
might want to have a supply of some

1109
00:51:56,370 --> 00:51:53,840
something on hand to to deliver

1110
00:51:58,720 --> 00:51:56,380
themselves from that eventualities

1111
00:52:00,010 --> 00:51:58,730
that's what I was talking about you

1112
00:52:01,750 --> 00:52:00,020
don't have to comment on that if you

1113
00:52:04,570 --> 00:52:01,760

don't want maybe for legal reasons you

1114

00:52:07,330 --> 00:52:04,580

would prefer not to like maybe I've dug

1115

00:52:10,540 --> 00:52:07,340

my own legal well I think what you what

1116

00:52:12,610 --> 00:52:10,550

you were saying is hmm do I stay here

1117

00:52:17,010 --> 00:52:12,620

and get cannibalize or do I just take a

1118

00:52:21,610 --> 00:52:19,660

you bring up a good point in in other

1119

00:52:23,910 --> 00:52:21,620

cultures they don't have this obsession

1120

00:52:27,310 --> 00:52:23,920

with living forever

1121

00:52:29,680 --> 00:52:27,320

we mostly act as if we're never going to

1122

00:52:31,690 --> 00:52:29,690

die and we put it off as long as

1123

00:52:34,150 --> 00:52:31,700

possible I'm reminded of a quote from

1124

00:52:35,410 --> 00:52:34,160

Woody Allen I am Not Afraid of dying I

1125

00:52:35,950 --> 00:52:35,420

just don't want to be there what

1126

00:52:37,660 --> 00:52:35,960

happened

1127

00:52:40,150 --> 00:52:37,670

that was one of my favorite all-time

1128

00:52:42,130 --> 00:52:40,160

quotes I actually do want to be there

1129

00:52:44,830 --> 00:52:42,140

when it happens because I want to see if

1130

00:52:47,560 --> 00:52:44,840

something if somebody comes for me like

1131

00:52:49,780 --> 00:52:47,570

like you know what there's a near-death

1132

00:52:56,500 --> 00:52:49,790

experience type stuff Oh shouldn't I

1133

00:52:58,330 --> 00:52:56,510

tend to have different expectations and

1134

00:53:01,030 --> 00:52:58,340

my point and reason that quote is that I

1135

00:53:04,330 --> 00:53:01,040

think Woody Allen was merely reflecting

1136

00:53:07,540 --> 00:53:04,340

the dominant culture yeah yes that death

1137

00:53:08,800 --> 00:53:07,550

is for other people right right it's not

1138

00:53:10,270 --> 00:53:08,810

gonna happen I don't want to be there

1139

00:53:12,700 --> 00:53:10,280

when it happens and therefore it's not

1140

00:53:14,890 --> 00:53:12,710

gonna happen to me that's what he seems

1141

00:53:16,540 --> 00:53:14,900

to me that's the American mentality or

1142

00:53:18,730 --> 00:53:16,550

maybe he just didn't want to go through

1143

00:53:20,950 --> 00:53:18,740

all the pain and suffering that goes

1144

00:53:22,900 --> 00:53:20,960

along with it just like one second you

1145

00:53:25,210 --> 00:53:22,910

there and next second you're not but you

1146

00:53:27,430 --> 00:53:25,220

know I you know first I just if you

1147

00:53:30,520 --> 00:53:27,440

don't mind me rambling all over the

1148

00:53:38,350 --> 00:53:30,530

place like you do expect there's an

1149

00:53:41,110 --> 00:53:38,360

afterlife right maybe looking for the

1150

00:53:43,630 --> 00:53:41,120

light a change in some and and being

1151

00:53:46,090 --> 00:53:43,640

absorbed into the cosmic oneness okay so

1152

00:53:49,720 --> 00:53:46,100

alright let's say Ferruccio was correct

1153

00:53:52,210 --> 00:53:49,730

in that and that within a week six

1154

00:53:55,690 --> 00:53:52,220

billion or however many souls go into

1155

00:53:58,570 --> 00:53:55,700

the force if you will right wow that

1156

00:54:00,880 --> 00:53:58,580

would be interesting yeah well any

1157

00:54:03,580 --> 00:54:00,890

interesting I think we've taken poor mr.

1158

00:54:06,160 --> 00:54:03,590

Macpherson dr. oh I'm sorry no don't be

1159

00:54:08,200 --> 00:54:06,170

sorry please up far off his track here

1160

00:54:12,040 --> 00:54:08,210

but you know please feel welcome to

1161

00:54:19,690 --> 00:54:12,050

comment on that I'm frequently taken off

1162

00:54:22,690 --> 00:54:19,700

my track yeah you told in American

1163

00:54:27,520 --> 00:54:22,700

College why not for me as a

1164

00:54:29,770 --> 00:54:27,530

scientist I just go in that doesn't this

1165

00:54:38,620 --> 00:54:29,780

unit her into my thought process it

1166

00:54:40,360 --> 00:54:38,630

doesn't enter into my analyses I'm

1167

00:54:42,780 --> 00:54:40,370

referring to Buddhism as a philosophy

1168

00:54:45,610 --> 00:54:42,790

not as a religion I understand but still

1169

00:54:48,520 --> 00:54:45,620

even philosophies are based on some

1170

00:54:50,560 --> 00:54:48,530

thought of something yes I just don't

1171

00:54:52,000 --> 00:54:50,570

arise out of nowhere and for many

1172

00:54:54,160 --> 00:54:52,010

thousands of years philosophy and

1173

00:54:56,350 --> 00:54:54,170

science were one and the same thing it's

1174

00:54:59,290 --> 00:54:56,360

a shame that that little duality

1175

00:55:03,490 --> 00:54:59,300

happened exactly and now you'd never

1176

00:55:03,850 --> 00:55:03,500

know that they were twins did you at

1177

00:55:05,410 --> 00:55:03,860

first

1178

00:55:09,760 --> 00:55:05,420

but did you read that book by year

1179

00:55:12,100 --> 00:55:09,770

Wilson conciliar did that was that that

1180

00:55:15,130 --> 00:55:12,110

is one of the really unrecognized

1181

00:55:18,100 --> 00:55:15,140

geniuses absolutely it was a wonderful

1182

00:55:20,970 --> 00:55:18,110

book and back in the 60s he he was

1183

00:55:24,790 --> 00:55:20,980

talking about this back in the 60s about

1184

00:55:28,570 --> 00:55:24,800

bio and environmentalism and the effects

1185

00:55:31,360 --> 00:55:28,580

of all that really yes he's a one

1186

00:55:35,230 --> 00:55:31,370

for conservation biologists and you know

1187

00:55:37,180 --> 00:55:35,240

I'm honored to share the same title with

1188

00:55:39,220 --> 00:55:37,190

him or description that of being a

1189

00:55:41,710 --> 00:55:39,230

conservation biologist well and you talk

1190

00:55:44,560 --> 00:55:41,720

about how the world has changed too and

1191

00:55:47,710 --> 00:55:44,570

he was talking about his boyhood how he

1192

00:55:50,080 --> 00:55:47,720

would go out and just you know bring

1193

00:55:52,620 --> 00:55:50,090

home ants and frogs and every other

1194

00:55:55,510 --> 00:55:52,630

living thing and his mother used to

1195

00:55:57,970 --> 00:55:55,520

probably run for the hills but you know

1196

00:55:59,800 --> 00:55:57,980

the children just don't do that anymore

1197

00:56:03,250 --> 00:55:59,810

you know they you'd be hard-pressed to

1198

00:56:07,090 --> 00:56:03,260

find a frog today yeah but you know I

1199

00:56:09,760 --> 00:56:07,100

mean how he was he was just by nature he

1200

00:56:11,680 --> 00:56:09,770

was a biologist and a fuel biologist and

1201
00:56:13,390 --> 00:56:11,690
he'd just go out there and hunt these

1202
00:56:16,240 --> 00:56:13,400
things out and just try to figure out

1203
00:56:18,600 --> 00:56:16,250
and then his book on ants and all it you

1204
00:56:20,710 --> 00:56:18,610
know but you just don't get that

1205
00:56:23,050 --> 00:56:20,720
first-hand experience with nature

1206
00:56:25,540 --> 00:56:23,060
anymore everything's done in the lab and

1207
00:56:27,790 --> 00:56:25,550
it's down in a cellular level now or as

1208
00:56:30,040 --> 00:56:27,800
you said on a molecular level and and

1209
00:56:32,140 --> 00:56:30,050
you missed the whole picture maybe

1210
00:56:34,930 --> 00:56:32,150
that's part of the problem you're right

1211
00:56:37,180 --> 00:56:34,940
it's it's very uncommon for kids to

1212
00:56:38,950 --> 00:56:37,190
spend much time time outdoors anymore my

1213
00:56:40,570 --> 00:56:38,960

wife and I were just commenting less

1214

00:56:43,210 --> 00:56:40,580

than a week ago as we were looking out

1215

00:56:46,260 --> 00:56:43,220

the big south-facing windows on our

1216

00:56:48,880 --> 00:56:46,270

house on the homestead here and we saw

1217

00:56:51,130 --> 00:56:48,890

four of the neighborhood kids run by

1218

00:56:53,290 --> 00:56:51,140

along the irrigation ditch the big

1219

00:56:55,570 --> 00:56:53,300

irrigation ditch that is about a hundred

1220

00:56:57,550 --> 00:56:55,580

feet in front of the house and and they

1221

00:57:00,700 --> 00:56:57,560

were jumping into the ditch and grabbing

1222

00:57:03,040 --> 00:57:00,710

frogs and bugs and so on and it occurred

1223

00:57:05,500 --> 00:57:03,050

to us that this is the only place we've

1224

00:57:08,410 --> 00:57:05,510

seen that yeah it's sort of activity

1225

00:57:10,450 --> 00:57:08,420

since we were children ourselves yeah

1226
00:57:13,630 --> 00:57:10,460
you know and that's been a long time

1227
00:57:16,750 --> 00:57:13,640
since we were children ourselves it's

1228
00:57:19,600 --> 00:57:16,760
been 40 years since we were doing that

1229
00:57:21,730 --> 00:57:19,610
yeah and we haven't seen it along the

1230
00:57:23,470 --> 00:57:21,740
way any of the many places we've lived

1231
00:57:24,910 --> 00:57:23,480
we haven't seen that and we've lived

1232
00:57:26,950 --> 00:57:24,920
into urban areas and we've lived in

1233
00:57:28,690 --> 00:57:26,960
rural areas and so there's something

1234
00:57:31,620 --> 00:57:28,700
really quite special about this place

1235
00:57:33,850 --> 00:57:31,630
and about the the high level of rurality

1236
00:57:37,180 --> 00:57:33,860
associated this is a very rural place

1237
00:57:39,670 --> 00:57:37,190
and and kids kids are not only allowed

1238
00:57:41,470 --> 00:57:39,680

to go outside they're encouraged to go

1239

00:57:42,609 --> 00:57:41,480

outside and spend time there well that's

1240

00:57:44,829 --> 00:57:42,619

one

1241

00:57:46,839 --> 00:57:44,839

it's free-range children well well

1242

00:57:48,549 --> 00:57:46,849

that's that's human habitat and I think

1243

00:57:51,160 --> 00:57:48,559

that's what we've gotten away from I may

1244

00:57:53,650 --> 00:57:51,170

forget global climate change I mean just

1245

00:57:56,739 --> 00:57:53,660

as you said civilization itself has

1246

00:57:59,440 --> 00:57:56,749

encroached on habitats because children

1247

00:58:01,539 --> 00:57:59,450

to still go I'm sure it happened to you

1248

00:58:03,640 --> 00:58:01,549

too for sure when school was out you

1249

00:58:05,739 --> 00:58:03,650

know you got your your bowl of

1250

00:58:07,539 --> 00:58:05,749

cornflakes in the morning and we're

1251
00:58:09,970 --> 00:58:07,549
expected home around when it got dark

1252
00:58:12,099 --> 00:58:09,980
right right did not come home until then

1253
00:58:14,319 --> 00:58:12,109
right and got your water looking at her

1254
00:58:17,349 --> 00:58:14,329
puddles I am always telling my clients

1255
00:58:21,430 --> 00:58:17,359
to bring their children to nature in

1256
00:58:24,720 --> 00:58:21,440
some way because kids are just stuck

1257
00:58:28,630 --> 00:58:24,730
with that stupid game you know advice

1258
00:58:31,210 --> 00:58:28,640
you look devices and I'm not given any

1259
00:58:36,640 --> 00:58:31,220
freedom whatsoever to learn on their own

1260
00:58:37,870 --> 00:58:36,650
and it is it is kind of criminal before

1261
00:58:42,279 --> 00:58:37,880
we let you go

1262
00:58:46,120 --> 00:58:42,289
and speaking somewhat of the different

1263
00:58:48,130 --> 00:58:46,130

parts of science being not meeting one

1264

00:58:51,400 --> 00:58:48,140

another somewhere and and in the

1265

00:58:54,849 --> 00:58:51,410

research are you aware that the

1266

00:58:57,640 --> 00:58:54,859

gentleman from your University I think

1267

00:59:00,430 --> 00:58:57,650

last name of Krause came up with a

1268

00:59:02,589 --> 00:59:00,440

digital wave he measured digital waves

1269

00:59:06,309 --> 00:59:02,599

coming from the United States of

1270

00:59:09,069 --> 00:59:06,319

gravitation gravitational waves crosses

1271

00:59:10,390 --> 00:59:09,079

crosses at Arizona State University I am

1272

00:59:11,979 --> 00:59:10,400

affiliated with the University of

1273

00:59:13,720 --> 00:59:11,989

Arizona I'm professor emeritus at the

1274

00:59:17,079 --> 00:59:13,730

University of Arizona but I made that

1275

00:59:20,620 --> 00:59:17,089

mistake no no it's fine but yes I'm

1276

00:59:26,380 --> 00:59:20,630

familiar with his work and and he's one

1277

00:59:31,779 --> 00:59:26,390

of the shining lights of the what's

1278

00:59:34,809 --> 00:59:31,789

called the secular humanism movement of

1279

00:59:38,259 --> 00:59:34,819

the skeptics movement because of the

1280

00:59:40,089 --> 00:59:38,269

research research he does I've heard his

1281

00:59:42,039 --> 00:59:40,099

name before but I just heard that he

1282

00:59:45,339 --> 00:59:42,049

discovered something interesting about

1283

00:59:48,700 --> 00:59:45,349

gravitational waves emanating fraud that

1284

00:59:50,470 --> 00:59:48,710

makes gravitation a wave rather than

1285

00:59:53,109 --> 00:59:50,480

another sort of property and somehow

1286

00:59:54,290 --> 00:59:53,119

this is upsetting the entire apple cart

1287

00:59:59,450 --> 00:59:54,300

of

1288

01:00:01,790 --> 00:59:59,460

that for another shattered reality we

1289

01:00:04,340 --> 01:00:01,800

can have professor Krauss on to defend

1290

01:00:07,370 --> 01:00:04,350

maybe maybe not

1291

01:00:11,090 --> 01:00:07,380

but thank you so much you've been a

1292

01:00:13,550 --> 01:00:11,100

wonderful guest and I I cannot thank you

1293

01:00:17,690 --> 01:00:13,560

enough and we hope that our listeners

1294

01:00:20,060 --> 01:00:17,700

will go to your website

1295

01:00:22,310 --> 01:00:20,070

beyond hi Macpherson calm and listen to

1296

01:00:24,920 --> 01:00:22,320

nature bats last I've listened to a few

1297

01:00:27,380 --> 01:00:24,930

of them and they are very very

1298

01:00:29,690 --> 01:00:27,390

illuminating thank you so much yeah

1299

01:00:31,970 --> 01:00:29,700

really was really fascinating I really

1300

01:00:33,380 --> 01:00:31,980

appreciate it thank you both I very much

1301

01:00:38,320 --> 01:00:33,390

appreciate it as well it's been a real

1302

01:00:44,540 --> 01:00:42,620

to finish up today on a different note

1303

01:00:47,510 --> 01:00:44,550

first of all I want to thank our

1304

01:00:49,190 --> 01:00:47,520

wonderful engineer Bill Murray DS for

1305

01:00:52,810 --> 01:00:49,200

the great job that he does for us here

1306

01:00:57,230 --> 01:00:52,820

at shattered reality but we have another

1307

01:01:01,370 --> 01:00:57,240

another interesting little PostScript

1308

01:01:08,210 --> 01:01:01,380

here that one of our listeners has a

1309

01:01:11,510 --> 01:01:08,220

very nicely told me a story of her

1310

01:01:14,240 --> 01:01:11,520

bilocation experiences she did not know

1311

01:01:18,140 --> 01:01:14,250

that what had happened to her was called

1312

01:01:20,450 --> 01:01:18,150

bilocation which is one by location is

1313

01:01:22,460 --> 01:01:20,460

being in two places at one time or

1314

01:01:23,240 --> 01:01:22,470

appearing to be in two places at one

1315

01:01:26,840 --> 01:01:23,250

time

1316

01:01:29,450 --> 01:01:26,850

and it's something that is goes back in

1317

01:01:31,370 --> 01:01:29,460

the literature there are examples of it

1318

01:01:34,520 --> 01:01:31,380

in the nineteenth century kind of

1319

01:01:37,160 --> 01:01:34,530

psychic literature of the the British

1320

01:01:39,470 --> 01:01:37,170

psychic Research Institute and so forth

1321

01:01:43,430 --> 01:01:39,480

I can't bring up any exempt ones of

1322

01:01:47,720 --> 01:01:43,440

those though I think that Douglas Hume

1323

01:01:51,020 --> 01:01:47,730

spelled home2 had had had some

1324

01:01:54,580 --> 01:01:51,030

experiences with by location but this

1325

01:01:59,270 --> 01:01:54,590

listener who is also my friend

1326

01:02:01,340 --> 01:01:59,280

she comes from Romania and she came here

1327

01:02:03,260 --> 01:02:01,350

as a young adult to the United States

1328

01:02:05,960 --> 01:02:03,270

over the age of 20 she had already

1329

01:02:07,710 --> 01:02:05,970

graduated from university and so forth

1330

01:02:09,210 --> 01:02:07,720

but she lived in Romania

1331

01:02:11,730 --> 01:02:09,220

I would say at least for the first 25

1332

01:02:15,390 --> 01:02:11,740

years of her life and in her

1333

01:02:21,410 --> 01:02:15,400

professional career she was a geologist

1334

01:02:24,000 --> 01:02:21,420

and did a lot of work as a surveyor in

1335

01:02:30,089 --> 01:02:24,010

as a as a graduate student than a

1336

01:02:34,650 --> 01:02:30,099

surveyor and she was on a trip uh there

1337

01:02:36,630 --> 01:02:34,660

are two different experiences of

1338

01:02:39,300 --> 01:02:36,640

bilocation that she had I'm gonna read

1339

01:02:41,700 --> 01:02:39,310

them okay from my notes here which is

1340

01:02:45,599 --> 01:02:41,710

directly from her on a trip to the

1341

01:02:48,359 --> 01:02:45,609

seaside spent she spent an evening with

1342

01:02:52,080 --> 01:02:48,369

an old friend reminiscing about things

1343

01:02:54,599 --> 01:02:52,090

and smoking a bit too much she says she

1344

01:02:56,599 --> 01:02:54,609

doesn't tolerate smoking well and at the

1345

01:02:59,609 --> 01:02:56,609

end of the day was feeling very

1346

01:03:03,120 --> 01:02:59,619

nauseated and out of sorts she went to

1347

01:03:06,120 --> 01:03:03,130

bed feeling very lousy the following day

1348

01:03:08,910 --> 01:03:06,130

she went home and her grandmother who

1349

01:03:11,970 --> 01:03:08,920

lived with her in the same house said

1350

01:03:14,910 --> 01:03:11,980

that she had seen her passing through

1351
01:03:17,460 --> 01:03:14,920
her bedroom during the night white late

1352
01:03:20,310 --> 01:03:17,470
at night and that the grandmother spoke

1353
01:03:22,560 --> 01:03:20,320
to her and she didn't respond and she

1354
01:03:26,070 --> 01:03:22,570
thought that my friend had been

1355
01:03:30,180 --> 01:03:26,080
extremely rude now we all know about

1356
01:03:33,630 --> 01:03:30,190
walking in your sleep but she was many

1357
01:03:36,060 --> 01:03:33,640
kilometers away at the seaside and there

1358
01:03:37,829 --> 01:03:36,070
was no way she could have walked home as

1359
01:03:39,960 --> 01:03:37,839
a sleepwalker and walked through her

1360
01:03:42,120 --> 01:03:39,970
grandmother's bedroom well we could say

1361
01:03:45,300 --> 01:03:42,130
this was an elderly lady should have

1362
01:03:48,500 --> 01:03:45,310
been taken whatever however the second

1363
01:03:51,089 --> 01:03:48,510

experience she had tops the first

1364

01:03:53,630 --> 01:03:51,099

remember I told you she was a geologist

1365

01:03:56,640 --> 01:03:53,640

and did surveying so forth so on a

1366

01:03:59,520 --> 01:03:56,650

geological field trip assignment to make

1367

01:04:03,660 --> 01:03:59,530

a map of a river valley in a remote area

1368

01:04:05,670 --> 01:04:03,670

of guess where Romania Transylvania okay

1369

01:04:10,920 --> 01:04:05,680

which is of course in Romania and

1370

01:04:13,200 --> 01:04:10,930

Bulgaria - both - both countries but in

1371

01:04:15,510 --> 01:04:13,210

in a remote area in Transylvania on a

1372

01:04:18,390 --> 01:04:15,520

River Vale valley they were working in

1373

01:04:20,880 --> 01:04:18,400

groups of three on the day that this

1374

01:04:21,350 --> 01:04:20,890

happened she had stayed behind in her

1375

01:04:24,750 --> 01:04:21,360

hotel

1376

01:04:27,360 --> 01:04:24,760

SiC with the bad Colt and never leaving

1377

01:04:30,060 --> 01:04:27,370

the room now bear in mind again the

1378

01:04:32,370 --> 01:04:30,070

hotel room is not at the same location

1379

01:04:34,590 --> 01:04:32,380

as the remote River Valley they had to

1380

01:04:36,930 --> 01:04:34,600

take a jeep for some such vehicle up

1381

01:04:40,950 --> 01:04:36,940

into the River Valley and it was far

1382

01:04:44,400 --> 01:04:40,960

away from right no sidewalks shall we

1383

01:04:47,250 --> 01:04:44,410

say so she stayed home and her two

1384

01:04:50,580 --> 01:04:47,260

colleagues came back from the long trip

1385

01:04:54,030 --> 01:04:50,590

and they were very mad at her asking

1386

01:04:57,300 --> 01:04:54,040

what she was doing on the opposite

1387

01:04:59,430 --> 01:04:57,310

riverbank that day now again I have to

1388

01:05:01,590 --> 01:04:59,440

say there aren't any people to speak of

1389

01:05:04,110 --> 01:05:01,600

in this River Valley there you know the

1390

01:05:07,680 --> 01:05:04,120

idea of seeing one person would be a lot

1391

01:05:10,830 --> 01:05:07,690

and it would probably be some villager

1392

01:05:13,260 --> 01:05:10,840

or not look like my friend who is a

1393

01:05:14,850 --> 01:05:13,270

modern woman with makeup you know the

1394

01:05:18,030 --> 01:05:14,860

whole nine yards

1395

01:05:21,930 --> 01:05:18,040

so that's interesting she said twice

1396

01:05:25,170 --> 01:05:21,940

then twice and she said that the being

1397

01:05:28,230 --> 01:05:25,180

that was seen did not even answer hmm

1398

01:05:31,350 --> 01:05:28,240

when they waved at her when I when she

1399

01:05:33,870 --> 01:05:31,360

protested saying I did not go out that

1400

01:05:36,090 --> 01:05:33,880

day at all both of them said that they

1401
01:05:39,570 --> 01:05:36,100
had seen me and described the clothes

1402
01:05:42,150 --> 01:05:39,580
that she was wearing in the field which

1403
01:05:44,880 --> 01:05:42,160
was flaming red pants and a striped

1404
01:05:46,830 --> 01:05:44,890
t-shirt hard to be mistaken for anyone

1405
01:05:50,780 --> 01:05:46,840
else since that was the same clothes she

1406
01:05:55,950 --> 01:05:53,100
they said that she seemed to be

1407
01:05:59,070 --> 01:05:55,960
completely ignoring them and just

1408
01:06:01,050 --> 01:05:59,080
continued walking and and she says here

1409
01:06:03,890 --> 01:06:01,060
it could hardly have been someone else

1410
01:06:06,750 --> 01:06:03,900
since this was a geological and

1411
01:06:10,470 --> 01:06:06,760
experiment in an unpopulated and

1412
01:06:12,570 --> 01:06:10,480
deserted part of the mountain so there

1413
01:06:15,240 --> 01:06:12,580

you go that is kind of a very

1414

01:06:18,600 --> 01:06:15,250

interesting first-hand description of

1415

01:06:21,660 --> 01:06:18,610

something paranormal happening to one of

1416

01:06:23,640 --> 01:06:21,670

our our listeners here and she also

1417

01:06:28,890 --> 01:06:23,650

reports and we've talked about this

1418

01:06:31,110 --> 01:06:28,900

together the commonalities of the two

1419

01:06:33,390 --> 01:06:31,120

events were not feeling well probably

1420

01:06:34,650 --> 01:06:33,400

wishing she was somewhere else not

1421

01:06:37,710 --> 01:06:34,660

speaking when

1422

01:06:40,320 --> 01:06:37,720

spoken to with her grandmother's she

1423

01:06:42,930 --> 01:06:40,330

says the thought about her being old and

1424

01:06:45,480 --> 01:06:42,940

imagining things comes up but when both

1425

01:06:48,240 --> 01:06:45,490

of her colleagues couldn't swear that

1426
01:06:50,520 --> 01:06:48,250
they saw her she became very curious

1427
01:06:52,800 --> 01:06:50,530
about what it all means

1428
01:06:54,780 --> 01:06:52,810
in addition and somewhat related she

1429
01:06:57,420 --> 01:06:54,790
says during college in the classroom

1430
01:07:00,270 --> 01:06:57,430
frantically taking notes when all of a

1431
01:07:03,180 --> 01:07:00,280
sudden she could see the entire room as

1432
01:07:05,790 --> 01:07:03,190
if she were viewing it from the ceiling

1433
01:07:08,040 --> 01:07:05,800
above she saw herself bent over her

1434
01:07:12,150 --> 01:07:08,050
notebook writing and at the same time

1435
01:07:14,280 --> 01:07:12,160
thinking is this effort worth it and the

1436
01:07:21,110 --> 01:07:14,290
bigger scheme of things all this school

1437
01:07:23,730 --> 01:07:21,120
work effort she tried to she tried to

1438
01:07:28,800 --> 01:07:23,740

she tried to replicate it but could not

1439

01:07:31,530 --> 01:07:28,810

okay so interesting yeah huh so thank

1440

01:07:33,900 --> 01:07:31,540

you Adriana for sharing that with us and

1441

01:07:36,360 --> 01:07:33,910

I was gonna say please if anyone else

1442

01:07:38,970 --> 01:07:36,370

has experiences like this please let us

1443

01:07:42,060 --> 01:07:38,980

know and how would they get that into us

1444

01:07:45,270 --> 01:07:42,070

well they can go to either one of our

1445

01:07:48,180 --> 01:07:45,280

websites write shattered reality dot-com

1446

01:07:53,540 --> 01:07:48,190

or shattered reality dot wordpress.com

1447

01:07:56,850 --> 01:07:53,550

and make a comment on any of our podcast

1448

01:07:58,770 --> 01:07:56,860

areas and I will definitely get it and

1449

01:08:01,320 --> 01:07:58,780

especially with Professor Macpherson's

1450

01:08:03,150 --> 01:08:01,330

comments today I mean that it's got in

1451

01:08:05,160 --> 01:08:03,160

it given somebody out there a few

1452

01:08:07,200 --> 01:08:05,170

thoughts about things we'd love to know

1453

01:08:10,200 --> 01:08:07,210

what they are we've gotten a few

1454

01:08:12,540 --> 01:08:10,210

comments recently but nothing that I can

1455

01:08:14,970 --> 01:08:12,550

really elucidate to any great extent

1456

01:08:16,650 --> 01:08:14,980

here at this juncture I don't have them

1457

01:08:20,010 --> 01:08:16,660

in front of me they're nothing pertinent

1458

01:08:21,720 --> 01:08:20,020

to today's podcast which I was it's

1459

01:08:23,270 --> 01:08:21,730

really something that you have to give

1460

01:08:26,430 --> 01:08:23,280

some thought to what do you think I

1461

01:08:27,690 --> 01:08:26,440

don't want to think about it because you

1462

01:08:29,400 --> 01:08:27,700

know if it's gonna happen it's gonna

1463

01:08:31,170 --> 01:08:29,410

happen it's like yes you may be in an

1464

01:08:33,200 --> 01:08:31,180

automobile accident someday but do you

1465

01:08:36,750 --> 01:08:33,210

plan your whole life around as he said

1466

01:08:39,240 --> 01:08:36,760

it's gonna happen we are gonna die maybe

1467

01:08:40,800 --> 01:08:39,250

we all die on Mars so maybe singly but

1468

01:08:44,130 --> 01:08:40,810

even it's gonna happen sooner or later

1469

01:08:46,710 --> 01:08:44,140

so what time you have enjoy I'm reminded

1470

01:08:48,539 --> 01:08:46,720

of the peanuts the pea comic you know by

1471

01:08:51,950 --> 01:08:48,549

Schultz at all shows yeah

1472

01:08:55,169 --> 01:08:51,960

and it's a picture of it's a picture of

1473

01:08:58,410 --> 01:08:55,179

Snoopy and Charlie Brown sitting

1474

01:09:00,269 --> 01:08:58,420

side-by-side on a on a hillside looking

1475

01:09:03,059 --> 01:09:00,279

out at the nature and so forth and

1476

01:09:06,299 --> 01:09:03,069

Charlie Brown looks very very serious

1477

01:09:08,789 --> 01:09:06,309

and he says Snoopy someday I'm going to

1478

01:09:11,459 --> 01:09:08,799

die mm-hmm and he's very sad

1479

01:09:14,579 --> 01:09:11,469

Snoopy looks at him and says other days

1480

01:09:17,700 --> 01:09:14,589

you're not that's a happy note

1481

01:09:20,519 --> 01:09:17,710

let's end this podcast on a happy note

1482

01:09:22,319 --> 01:09:20,529

okay all right thank you so much for

1483

01:09:25,439 --> 01:09:22,329

listening Cape Valentine here saying