

1
00:00:16,690 --> 00:00:23,800
welcome to shattered reality with your

2
00:00:20,179 --> 00:00:27,140
hosts Kate Valentine and faroush

3
00:00:23,800 --> 00:00:31,789
prepared to head a paradigm shifted into

4
00:00:27,140 --> 00:00:33,739
truths questioned and now shattered

5
00:00:31,789 --> 00:00:36,770
reality okay here we are back in

6
00:00:33,738 --> 00:00:40,519
shattered reality with after taking a

7
00:00:36,770 --> 00:00:46,609
nice December parade lovely and before

8
00:00:40,520 --> 00:00:50,170
we introduce our first guest of 2016 a

9
00:00:46,609 --> 00:00:53,210
whole new start to shattered reality I

10
00:00:50,170 --> 00:00:56,719
unfortunately have some upsetting news

11
00:00:53,210 --> 00:00:59,808
at least it was very upsetting to me one

12
00:00:56,719 --> 00:01:04,058
of my big heroes astronaut Edgar

13
00:00:59,808 --> 00:01:08,149
Mitchell who is 85 took a kind of nasty

14
00:01:04,058 --> 00:01:11,359
fall and he is currently not doing

15
00:01:08,150 --> 00:01:14,210
splendidly in the hospital so I'm not

16
00:01:11,359 --> 00:01:17,560
good I'm going to ask everybody to send

17
00:01:14,209 --> 00:01:21,500
positive intentions Edgar Mitchell's way

18
00:01:17,560 --> 00:01:25,040
he's 85 years old he is a doctorate in

19
00:01:21,500 --> 00:01:28,670
science from MIT the co-founder of the

20
00:01:25,040 --> 00:01:32,240
Institute of noetic sciences and also he

21
00:01:28,670 --> 00:01:35,899
was the person to take the longest walk

22
00:01:32,239 --> 00:01:38,030
on the moon of anyone I think he was the

23
00:01:35,899 --> 00:01:40,728
with the third group that actually

24
00:01:38,030 --> 00:01:44,390
landed on the moon but I I love Edgar

25
00:01:40,728 --> 00:01:46,908
Mitchell he when I was a little child I

26
00:01:44,390 --> 00:01:48,680
always wanted to marry an astronaut and

27
00:01:46,909 --> 00:01:51,200
then I finally met Edgar Mitchell at a

28
00:01:48,680 --> 00:01:55,939
brunch don't get married that we didn't

29

00:01:51,200 --> 00:01:58,159
marry no I gave that up but I'll tell

30
00:01:55,938 --> 00:02:00,889
you he wrote one of the best books I've

31
00:01:58,159 --> 00:02:04,189
ever written ever read excuse me and

32
00:02:00,890 --> 00:02:06,079
that is way of the Explorer and a lot of

33
00:02:04,188 --> 00:02:08,569
it was good but the best part was the

34
00:02:06,078 --> 00:02:09,349
first opening pages that was just

35
00:02:08,569 --> 00:02:11,810
terrific

36
00:02:09,349 --> 00:02:14,568
okay well I'll have to take another look

37
00:02:11,810 --> 00:02:16,848
at that it was a great book and so let's

38
00:02:14,568 --> 00:02:19,989
send the positive energy positive

39
00:02:16,848 --> 00:02:24,530
intentions toward Edgar Mitchell

40
00:02:19,990 --> 00:02:28,219
American hero and astronaut but today we

41
00:02:24,530 --> 00:02:31,640
are absolutely thrilled absolutely

42
00:02:28,219 --> 00:02:35,719
thrilled to welcome a man who is a

43
00:02:31,639 --> 00:02:38,449

controversial climatologist he is the

44

00:02:35,719 --> 00:02:42,020

professor emeritus at the University of

45

00:02:38,449 --> 00:02:45,669

Arizona his name is guy McPherson his

46

00:02:42,020 --> 00:02:49,730

website is guy McPherson calm

47

00:02:45,669 --> 00:02:52,789

interestingly enough and his podcast

48

00:02:49,729 --> 00:02:57,530

which is an excellent one is nature bats

49

00:02:52,789 --> 00:03:01,879

last he is known for his bringing forth

50

00:02:57,530 --> 00:03:04,789

the dangers involving methane release

51

00:03:01,879 --> 00:03:09,289

into the atmosphere and the concept of

52

00:03:04,789 --> 00:03:11,900

very rapid climate change now pursuant

53

00:03:09,289 --> 00:03:15,079

to that we have two news stories about

54

00:03:11,900 --> 00:03:17,990

that NASA JPL has been monitoring

55

00:03:15,080 --> 00:03:21,020

methane release in Alaska over the past

56

00:03:17,990 --> 00:03:23,870

several years and as they would expect

57

00:03:21,020 --> 00:03:25,909

they thought that the methane would be

58
00:03:23,870 --> 00:03:27,469
high in the summertime the methane

59
00:03:25,909 --> 00:03:29,719
released because the ground

60
00:03:27,469 --> 00:03:32,689
the tundra whatever melts and the

61
00:03:29,719 --> 00:03:36,080
methane is released but they found out

62
00:03:32,689 --> 00:03:38,150
this fall that it was being released in

63
00:03:36,080 --> 00:03:38,750
the cold weather as well that's point

64
00:03:38,150 --> 00:03:41,539
number one

65
00:03:38,750 --> 00:03:43,159
at an adjoining point is why did they

66
00:03:41,539 --> 00:03:43,849
study it in the first place if there is

67
00:03:43,159 --> 00:03:46,400
no problem

68
00:03:43,849 --> 00:03:48,590
well yeah that is that's an absolutely

69
00:03:46,400 --> 00:03:51,500
right Kane and the second thing is that

70
00:03:48,590 --> 00:03:54,890
out in California just outside Los

71
00:03:51,500 --> 00:03:56,870
Angeles we have a big bank methane leak

72
00:03:54,889 --> 00:03:59,359
going on that has caused thousands of

73
00:03:56,870 --> 00:04:01,819
people to be removed from their homes in

74
00:03:59,360 --> 00:04:05,870
all the children at Porter Ranch now

75
00:04:01,819 --> 00:04:10,099
have to go to an alternative high school

76
00:04:05,870 --> 00:04:14,569
down in Los Angeles because of it so

77
00:04:10,099 --> 00:04:19,358
without further ado we're going to

78
00:04:14,569 --> 00:04:21,620
introduce today's guest the very

79
00:04:19,358 --> 00:04:25,939
intelligent and interesting and

80
00:04:21,620 --> 00:04:28,399
fascinating guy McPherson welcome you

81
00:04:25,939 --> 00:04:32,120
thank you very much on your show that's

82
00:04:28,399 --> 00:04:33,049
great your seems to be a thesis actually

83
00:04:32,120 --> 00:04:38,538
that

84
00:04:33,050 --> 00:04:41,418
I afraid the end truly is near well it

85
00:04:38,538 --> 00:04:45,079
certainly would seem that way I you know

86

00:04:41,418 --> 00:04:46,609
I'm often told that i promote near-term

87
00:04:45,079 --> 00:04:52,370
human extinction that's not exactly

88
00:04:46,610 --> 00:04:53,930
right I transmit indicating that we're

89
00:04:52,370 --> 00:04:56,598
headed in that way but I'm not promoting

90
00:04:53,930 --> 00:04:58,340
it I'm not I'm not a big man well it

91
00:04:56,598 --> 00:05:02,418
would be hard to be being a human being

92
00:04:58,339 --> 00:05:05,598
yourself so give us that for our

93
00:05:02,418 --> 00:05:07,490
listeners who perhaps have not been to

94
00:05:05,598 --> 00:05:10,519
your website yet or have not heard

95
00:05:07,490 --> 00:05:14,718
nature bats last can you give us kind of

96
00:05:10,519 --> 00:05:15,468
a synopsis of your of your up thoughts

97
00:05:14,718 --> 00:05:17,870
on the matter

98
00:05:15,468 --> 00:05:22,750
yeah like how it came about and what

99
00:05:17,870 --> 00:05:26,899
your your background is in climatology

100
00:05:22,750 --> 00:05:29,360

I'm a conservation biologist okay and

101

00:05:26,899 --> 00:05:31,698

and I've been studying climate change

102

00:05:29,360 --> 00:05:34,729

since I was in graduate school more than

103

00:05:31,699 --> 00:05:37,009

30 years ago but I study it from the

104

00:05:34,728 --> 00:05:38,930

perspective or through the lens of a

105

00:05:37,009 --> 00:05:41,930

conservation biologist and conservation

106

00:05:38,930 --> 00:05:45,590

biologists study extinction events and

107

00:05:41,930 --> 00:05:48,500

speciation so conservation biologists

108

00:05:45,589 --> 00:05:50,209

are the ones who have an understanding

109

00:05:48,500 --> 00:05:52,129

of habitats what it takes for our

110

00:05:50,209 --> 00:05:56,239

species to persist on the planet and

111

00:05:52,129 --> 00:06:00,829

what kinds of threats are posed to the

112

00:05:56,240 --> 00:06:04,879

demise of those species that well that

113

00:06:00,829 --> 00:06:08,120

would be a perfect thing of study to get

114

00:06:04,879 --> 00:06:10,310

into climate change then and so so by

115
00:06:08,120 --> 00:06:12,348
studying those habitats then that

116
00:06:10,310 --> 00:06:16,218
brought you into the climate which

117
00:06:12,348 --> 00:06:18,079
certainly affects habitats right and and

118
00:06:16,218 --> 00:06:20,000
so you know in graduate school when I

119
00:06:18,079 --> 00:06:22,430
was studying climate change it was from

120
00:06:20,000 --> 00:06:25,129
a paleo climatic perspective I was

121
00:06:22,430 --> 00:06:27,680
looking back in time to see what kinds

122
00:06:25,129 --> 00:06:32,270
of events influenced the ecosystems in

123
00:06:27,680 --> 00:06:33,769
the past and then well so it throughout

124
00:06:32,269 --> 00:06:38,079
my academic career

125
00:06:33,769 --> 00:06:40,250
I studied climate change from the

126
00:06:38,079 --> 00:06:41,930
perspective of the dominant narrative

127
00:06:40,250 --> 00:06:45,680
which is what most of us know it by this

128
00:06:41,930 --> 00:06:46,250
this gradual increase in global average

129
00:06:45,680 --> 00:06:50,600
temperature

130
00:06:46,250 --> 00:06:52,939
that produces what some people call

131
00:06:50,600 --> 00:06:56,120
whether we're ding or unusual events

132
00:06:52,939 --> 00:06:59,389
things like Katrina you know that the

133
00:06:56,120 --> 00:07:02,209
big hurricane that hit yes more than ten

134
00:06:59,389 --> 00:07:04,729
years ago hit New Orleans and caused a

135
00:07:02,209 --> 00:07:06,589
lot of damage and that's because there's

136
00:07:04,730 --> 00:07:09,200
a lot of energy that builds up in the

137
00:07:06,589 --> 00:07:11,419
ocean and a quick way to get rid of

138
00:07:09,199 --> 00:07:14,659
energy is to do it in a funnel or a

139
00:07:11,420 --> 00:07:15,520
spiral and thus is born Hurricane

140
00:07:14,660 --> 00:07:17,689
Katrina

141
00:07:15,519 --> 00:07:20,719
well that was ten and a half years ago

142
00:07:17,689 --> 00:07:24,879
now and there have been many significant

143

00:07:20,720 --> 00:07:29,090
events since then and abundant evidence

144
00:07:24,879 --> 00:07:32,060
accumulated and put out in various forms

145
00:07:29,089 --> 00:07:34,069
most notably in the very conservative

146
00:07:32,060 --> 00:07:37,910
refereed journal ledger and it all

147
00:07:34,069 --> 00:07:39,709
points to the to the event that's

148
00:07:37,910 --> 00:07:41,960
underway now which is abrupt climate

149
00:07:39,709 --> 00:07:45,199
change it's a very different phenomenon

150
00:07:41,959 --> 00:07:47,180
then that slow linear change most of us

151
00:07:45,199 --> 00:07:49,250
are familiar with and heard about from

152
00:07:47,180 --> 00:07:51,620
Al Gore for example so this is it this

153
00:07:49,250 --> 00:07:55,129
is a much different kind of phenomenon

154
00:07:51,620 --> 00:07:58,340
going on today than what most of us are

155
00:07:55,129 --> 00:08:00,139
familiar with and what brought you to

156
00:07:58,339 --> 00:08:06,909
that conclusion what what were the

157
00:08:00,139 --> 00:08:09,918

hallmark signs I had been tracking the

158

00:08:06,910 --> 00:08:13,370

evidence about climate change for quite

159

00:08:09,918 --> 00:08:14,930

a long time I left active service at the

160

00:08:13,370 --> 00:08:17,300

University of Arizona I was a tenured

161

00:08:14,930 --> 00:08:20,629

full professor by the age of 40 there's

162

00:08:17,300 --> 00:08:24,650

I was very successful and and I left at

163

00:08:20,629 --> 00:08:26,418

the age of 49 in May of 2009 after 20

164

00:08:24,649 --> 00:08:28,219

years of service there and became

165

00:08:26,418 --> 00:08:30,769

professor emeritus now most people think

166

00:08:28,220 --> 00:08:32,960

emeritus means retired

167

00:08:30,769 --> 00:08:37,490

really I get to do everything I was

168

00:08:32,960 --> 00:08:39,320

doing before except get paid I would say

169

00:08:37,490 --> 00:08:44,149

it looked way too young to be a

170

00:08:39,320 --> 00:08:45,530

professor emeritus so I'm 55 now and I

171

00:08:44,149 --> 00:08:49,029

left about six and a half years ago

172
00:08:45,529 --> 00:08:52,159
great and and I just kept up with the

173
00:08:49,029 --> 00:08:54,620
data and models and forecasts and

174
00:08:52,159 --> 00:08:57,889
projections about climate change and I

175
00:08:54,620 --> 00:08:59,810
continued to keep up with the evidence

176
00:08:57,889 --> 00:09:05,299
as it comes out and

177
00:08:59,809 --> 00:09:07,099
I guess it was it was actually 2002 when

178
00:09:05,299 --> 00:09:09,019
I was working on a book and and I was

179
00:09:07,100 --> 00:09:11,000
heavily involved in teaching and

180
00:09:09,019 --> 00:09:13,549
research and so on I was working on a

181
00:09:11,000 --> 00:09:15,220
book with a with a former student of

182
00:09:13,549 --> 00:09:18,469
mine and it was about climate change

183
00:09:15,220 --> 00:09:20,600
this was 2002 and I reached the

184
00:09:18,470 --> 00:09:22,070
conclusion then that we had triggered

185
00:09:20,600 --> 00:09:26,810
events likely to cause our own

186
00:09:22,070 --> 00:09:28,850
extinction by 2030 or so and and then

187
00:09:26,809 --> 00:09:32,689
shortly thereafter I discovered the

188
00:09:28,850 --> 00:09:35,720
concept of global peak oil which points

189
00:09:32,690 --> 00:09:37,880
to the demise of industrial civilization

190
00:09:35,720 --> 00:09:39,080
and I thought well here it is here's

191
00:09:37,879 --> 00:09:41,740
what's going to save us because

192
00:09:39,080 --> 00:09:43,970
civilization is a heat engine

193
00:09:41,740 --> 00:09:46,339
civilization is responsible for heating

194
00:09:43,970 --> 00:09:49,610
up the planet in the form of greenhouse

195
00:09:46,339 --> 00:09:51,920
gases and if we stop you know and bear

196
00:09:49,610 --> 00:09:54,500
in mind this is 2003 or 2004 if we stop

197
00:09:51,919 --> 00:09:56,750
now maybe it won't get so bad it'll

198
00:09:54,500 --> 00:09:59,960
cause our own extinction well obviously

199
00:09:56,750 --> 00:10:03,200
that was a long time ago and it was June

200

00:09:59,960 --> 00:10:05,120
of 2012 when the number of

201
00:10:03,200 --> 00:10:08,240
self-reinforcing feedback loops or

202
00:10:05,120 --> 00:10:10,310
so-called positive feedbacks overwhelmed

203
00:10:08,240 --> 00:10:12,740
me and I realized that it's too late

204
00:10:10,309 --> 00:10:16,729
even if even if we turn off the switch

205
00:10:12,740 --> 00:10:19,669
on civilization now it's too late we've

206
00:10:16,730 --> 00:10:23,120
triggered events likely to cause our own

207
00:10:19,669 --> 00:10:25,639
demise in the near future regardless of

208
00:10:23,120 --> 00:10:27,830
what happens in terms of civilization

209
00:10:25,639 --> 00:10:30,169
which which teeters on the brink and

210
00:10:27,830 --> 00:10:32,870
could go pretty much any month

211
00:10:30,169 --> 00:10:37,338
yeah but anything can happen with the

212
00:10:32,870 --> 00:10:39,589
civilization yeah civilizations come and

213
00:10:37,339 --> 00:10:42,200
go and they're not very sustainable yeah

214
00:10:39,589 --> 00:10:43,790

well that's true but uh when they used

215

00:10:42,200 --> 00:10:45,800
to go I mean there was always a

216

00:10:43,789 --> 00:10:46,759
civilization to take their place in

217

00:10:45,799 --> 00:10:49,069
other words you know you have a

218

00:10:46,759 --> 00:10:51,259
conquering somebody would come out and

219

00:10:49,070 --> 00:10:53,990
conquer the other person or other

220

00:10:51,259 --> 00:10:56,629
civilization but now I'm not so sure

221

00:10:53,990 --> 00:10:59,209
that there's anybody around to take our

222

00:10:56,629 --> 00:11:01,458
place that's right

223

00:10:59,208 --> 00:11:05,139
and it appears even if industrial

224

00:11:01,458 --> 00:11:08,989
civilization collapses the most

225

00:11:05,139 --> 00:11:12,169
horrifying of all civilizations in terms

226

00:11:08,990 --> 00:11:13,399
of what this civilization does to

227

00:11:12,169 --> 00:11:16,129
non-human organ

228

00:11:13,399 --> 00:11:17,929
for example into the air into the water

229
00:11:16,129 --> 00:11:20,509
into the soil we're washing to the sea

230
00:11:17,929 --> 00:11:25,809
and so forth even if this one goes away

231
00:11:20,509 --> 00:11:29,319
the attendant decline in global dimming

232
00:11:25,809 --> 00:11:33,409
and and therefore brightening of the

233
00:11:29,320 --> 00:11:35,840
atmosphere is likely to cause a lot loss

234
00:11:33,409 --> 00:11:39,289
of habitat for humans within a matter of

235
00:11:35,840 --> 00:11:40,730
days or weeks yeah and I don't think

236
00:11:39,289 --> 00:11:43,009
there's going to be a warning sign

237
00:11:40,730 --> 00:11:45,139
either it'll just boom be upon us and

238
00:11:43,009 --> 00:11:48,559
that's it well what what do you think I

239
00:11:45,139 --> 00:11:53,259
are there any tip laughs something that

240
00:11:48,559 --> 00:11:53,259
we would recognize from run to hide

241
00:11:55,659 --> 00:12:01,789
there's a number of factors that could

242
00:11:59,649 --> 00:12:04,129
trigger the collapse of civilization

243
00:12:01,789 --> 00:12:05,659
David Cora wicks wrote about them when

244
00:12:04,129 --> 00:12:08,840
he was writing for the FASTA group this

245
00:12:05,659 --> 00:12:10,189
is I think June 30th 2012 he indicated

246
00:12:08,840 --> 00:12:12,110
that a disruption in the supply of

247
00:12:10,190 --> 00:12:14,030
anything significant to civilization

248
00:12:12,110 --> 00:12:17,629
will cause its worldwide

249
00:12:14,029 --> 00:12:20,149
collapse within as little as three weeks

250
00:12:17,629 --> 00:12:23,600
and disruption of anything important

251
00:12:20,149 --> 00:12:25,250
that means food that is unable to go up

252
00:12:23,600 --> 00:12:27,290
or down the Mississippi River because it

253
00:12:25,250 --> 00:12:29,629
gets too dry that means water because of

254
00:12:27,289 --> 00:12:32,089
water shortage is like we're seeing in

255
00:12:29,629 --> 00:12:34,820
Rio de Janeiro right now that means a

256
00:12:32,090 --> 00:12:37,009
disruption of the bond markets because

257

00:12:34,820 --> 00:12:38,900
the bond vigilantes decide well we're

258
00:12:37,009 --> 00:12:40,759
not we're gonna not gonna pay this low

259
00:12:38,899 --> 00:12:42,860
amount we're gonna want a higher amount

260
00:12:40,759 --> 00:12:46,419
so that could trigger hyperinflation it

261
00:12:42,860 --> 00:12:50,450
could be a massive deflationary event as

262
00:12:46,419 --> 00:12:51,889
is we were warned about in late 2008

263
00:12:50,450 --> 00:12:55,220
with the collapse of Lehman Brothers and

264
00:12:51,889 --> 00:12:57,169
AIG and so we could have that sort of

265
00:12:55,220 --> 00:12:59,899
event except now of course the

266
00:12:57,169 --> 00:13:02,360
derivatives market is is way more over

267
00:12:59,899 --> 00:13:04,189
stretched than it was then in the

268
00:13:02,360 --> 00:13:06,259
situation on the financial front as far

269
00:13:04,190 --> 00:13:11,240
worse so it could be any number of

270
00:13:06,259 --> 00:13:13,340
factors that are early warning signs and

271
00:13:11,240 --> 00:13:15,500

by early warning I mean as little as

272

00:13:13,340 --> 00:13:17,860

three weeks before the whole house of

273

00:13:15,500 --> 00:13:20,450

cards comes down everywhere in the world

274

00:13:17,860 --> 00:13:22,529

which may be why the government is

275

00:13:20,450 --> 00:13:24,910

really not pushing for any

276

00:13:22,529 --> 00:13:27,579

information yeah any information or any

277

00:13:24,909 --> 00:13:30,969

sort of effort to correct this they

278

00:13:27,580 --> 00:13:33,220

perhaps they're not as stupid as we most

279

00:13:30,970 --> 00:13:34,840

people think they are and their experts

280

00:13:33,220 --> 00:13:36,430

are saying look it's just too late and

281

00:13:34,840 --> 00:13:39,100

if you start saying things you're going

282

00:13:36,429 --> 00:13:42,039

to have worldwide panic total disruption

283

00:13:39,100 --> 00:13:45,340

and social order and so that's possible

284

00:13:42,039 --> 00:13:47,740

- I have a feeling of course yeah I mean

285

00:13:45,340 --> 00:13:48,820

and at this point you know we've known

286

00:13:47,740 --> 00:13:50,649
for quite a long time now that

287

00:13:48,820 --> 00:13:52,960
civilization itself is a heat engine

288

00:13:50,649 --> 00:13:56,439
that switching from fossil fuels to

289

00:13:52,960 --> 00:13:58,090
solar panels and wind turbines which of

290

00:13:56,440 --> 00:13:59,560
course require fossil fuels for

291

00:13:58,090 --> 00:14:01,990
construction and maintenance but even if

292

00:13:59,559 --> 00:14:04,599
we miraculously somehow switch over to

293

00:14:01,990 --> 00:14:06,159
those overnight civilization itself is a

294

00:14:04,600 --> 00:14:09,159
heat engine we've known this for many

295

00:14:06,159 --> 00:14:12,360
years now and and so even if we shut off

296

00:14:09,159 --> 00:14:14,889
civilization that absence of dimming

297

00:14:12,360 --> 00:14:16,360
creates so much heat in such a short

298

00:14:14,889 --> 00:14:18,460
period of time that I don't see any way

299

00:14:16,360 --> 00:14:20,550
for humans to adapt and if we maintain

300
00:14:18,460 --> 00:14:22,690
this the heat engine of its civilization

301
00:14:20,549 --> 00:14:24,669
it's worse every day

302
00:14:22,690 --> 00:14:25,930
so we're clearly in the situation and

303
00:14:24,669 --> 00:14:26,259
being damned if you do and damned if you

304
00:14:25,929 --> 00:14:30,599
don't

305
00:14:26,259 --> 00:14:35,100
I have a rather morbid question for you

306
00:14:30,600 --> 00:14:37,930
because in some real way too many people

307
00:14:35,100 --> 00:14:40,540
overpopulation if you will is the major

308
00:14:37,929 --> 00:14:43,599
contributor to climate change what a

309
00:14:40,539 --> 00:14:46,259
major population reduction as in 90 to

310
00:14:43,600 --> 00:14:49,029
95 percent of the human population

311
00:14:46,259 --> 00:14:52,509
effect any change to the current outlook

312
00:14:49,029 --> 00:14:55,539
as morbid as that may be and pursuant to

313
00:14:52,509 --> 00:14:58,539
that question do you suppose that the

314

00:14:55,539 --> 00:15:00,669
so-called powers that be any doesn't you

315
00:14:58,539 --> 00:15:04,389
know no names need be mention any

316
00:15:00,669 --> 00:15:06,699
country do you suppose that they have

317
00:15:04,389 --> 00:15:10,799
any plans for radical population

318
00:15:06,700 --> 00:15:13,150
reduction and all that that implies well

319
00:15:10,799 --> 00:15:16,329
it could very well be you know we

320
00:15:13,149 --> 00:15:18,039
haven't done that experiment yet so we

321
00:15:16,330 --> 00:15:20,610
don't know what the outcome will be it

322
00:15:18,039 --> 00:15:23,679
would not surprise me if a profound

323
00:15:20,610 --> 00:15:25,990
reduction in the human population I mean

324
00:15:23,679 --> 00:15:28,750
that would obviously reduce consumption

325
00:15:25,990 --> 00:15:31,330
and emissions particularly of greenhouse

326
00:15:28,750 --> 00:15:33,100
gases would it be so severe that it

327
00:15:31,330 --> 00:15:35,060
would shut down civilisation completely

328
00:15:33,100 --> 00:15:37,860

in therefore cause

329

00:15:35,059 --> 00:15:39,659
an absence of global dimming in

330

00:15:37,860 --> 00:15:42,840
therefore cause heating I know it's

331

00:15:39,659 --> 00:15:45,689
pretty difficult balancing act to get

332

00:15:42,840 --> 00:15:47,190
rid of the enough of the people to get

333

00:15:45,690 --> 00:15:49,920
rid of the heat engine but keep enough

334

00:15:47,190 --> 00:15:51,840
people around to sustain the global

335

00:15:49,919 --> 00:15:54,000
dimming associated with with the

336

00:15:51,840 --> 00:15:56,910
particulates we put up in the sky and

337

00:15:54,000 --> 00:15:59,820
and do people besides you and I know

338

00:15:56,909 --> 00:16:01,799
that of course you know I've been

339

00:15:59,820 --> 00:16:03,629
writing about this for a long time right

340

00:16:01,799 --> 00:16:05,699
and as a consequence certainly

341

00:16:03,629 --> 00:16:09,779
everything I know is known by the NSA

342

00:16:05,700 --> 00:16:12,030
and and also by these so-called powers

343
00:16:09,779 --> 00:16:15,809
that be in governments around the world

344
00:16:12,029 --> 00:16:17,939
right so of course they know that are

345
00:16:15,809 --> 00:16:20,219
they planning something well your guess

346
00:16:17,940 --> 00:16:22,530
is as good as mine we had a guest on the

347
00:16:20,220 --> 00:16:26,820
radio show I think it was three weeks

348
00:16:22,529 --> 00:16:29,009
ago who indicated that just such a plan

349
00:16:26,820 --> 00:16:34,260
was in the works and could be

350
00:16:29,009 --> 00:16:37,379
implemented very soon and this is three

351
00:16:34,259 --> 00:16:39,210
day four days after he left his job as a

352
00:16:37,379 --> 00:16:41,639
contractor with the Department of

353
00:16:39,210 --> 00:16:43,860
Homeland Security a job he'd held for

354
00:16:41,639 --> 00:16:45,750
the previous 14 years since DHS came

355
00:16:43,860 --> 00:16:49,470
into being so it could be that that's

356
00:16:45,750 --> 00:16:51,149
what we're facing I say I refuse to be

357
00:16:49,470 --> 00:16:54,779
surprised by almost anything anymore

358
00:16:51,149 --> 00:16:57,959
well you know I you haven't gone in at

359
00:16:54,779 --> 00:17:02,759
at all to your thoughts about the

360
00:16:57,960 --> 00:17:06,240
methane and I have we have both been

361
00:17:02,759 --> 00:17:08,490
spoken to about the government digging

362
00:17:06,240 --> 00:17:13,200
tunnels underneath various places most

363
00:17:08,490 --> 00:17:14,700
notably the airport in Colorado in

364
00:17:13,200 --> 00:17:19,230
Denver is there supposed to be a big

365
00:17:14,700 --> 00:17:21,750
underground complex yes and some places

366
00:17:19,230 --> 00:17:22,920
down near you near Dulce New Mexico and

367
00:17:21,750 --> 00:17:25,589
so forth there's a lot of scuttlebutt

368
00:17:22,920 --> 00:17:28,980
there do I know firsthand I know nothing

369
00:17:25,589 --> 00:17:32,069
firsthand just what I hear but when we

370
00:17:28,980 --> 00:17:34,980
take the methane thoughts that you have

371

00:17:32,069 --> 00:17:37,379
have come up with the the theory about

372
00:17:34,980 --> 00:17:39,180
the methane and the probability of the

373
00:17:37,380 --> 00:17:41,400
methane I don't even want to demote it

374
00:17:39,180 --> 00:17:44,400
to a theory it's just my verbiage is off

375
00:17:41,400 --> 00:17:46,380
here a little bit but that wouldn't be

376
00:17:44,400 --> 00:17:48,840
much of a help to the

377
00:17:46,380 --> 00:17:51,059
Elite people that would end up in the

378
00:17:48,839 --> 00:17:54,798
tunnels would it because methane drops

379
00:17:51,058 --> 00:17:58,288
or am I mistaken well I can think of

380
00:17:54,798 --> 00:18:00,058
three different ways associated with

381
00:17:58,288 --> 00:18:02,278
climate change with abrupt climate

382
00:18:00,058 --> 00:18:03,629
change that we can cause loss of habitat

383
00:18:02,278 --> 00:18:05,609
for every human being on the planet

384
00:18:03,630 --> 00:18:08,009
and I can think of another couple of

385
00:18:05,609 --> 00:18:10,288

ways not including climate change that

386

00:18:08,009 --> 00:18:11,579

could do the same time because loss of

387

00:18:10,288 --> 00:18:12,028

habitat for every human being on the

388

00:18:11,579 --> 00:18:16,589

planet

389

00:18:12,028 --> 00:18:21,019

methane is one methane from an article

390

00:18:16,589 --> 00:18:26,038

out just today at Robert scribblers

391

00:18:21,019 --> 00:18:29,730

website indicates that peak methane is

392

00:18:26,038 --> 00:18:32,179

approaching 3,000 parts per billion even

393

00:18:29,730 --> 00:18:35,700

as carbon dioxide in the atmosphere

394

00:18:32,179 --> 00:18:38,429

jumps to all-time highs for at this time

395

00:18:35,700 --> 00:18:41,278

of year so NOAA's Madhab station

396

00:18:38,429 --> 00:18:43,019

indicates a new all-time atmospheric

397

00:18:41,278 --> 00:18:47,009

high of two thousand nine hundred sixty

398

00:18:43,019 --> 00:18:49,079

three parts per billion of methane

399

00:18:47,009 --> 00:18:51,149

that's a huge number especially when you

400
00:18:49,079 --> 00:18:52,528
consider that in the short term meaning

401
00:18:51,148 --> 00:18:54,898
less than a decade or two

402
00:18:52,528 --> 00:18:57,028
methane is more than a hundred times

403
00:18:54,898 --> 00:18:58,589
more powerful a greenhouse gas than

404
00:18:57,028 --> 00:19:01,519
carbon dioxide is molecule for molecule

405
00:18:58,589 --> 00:19:04,589
so that's basically the equivalent of

406
00:19:01,519 --> 00:19:06,240
nearly 300 parts per million carbon

407
00:19:04,589 --> 00:19:09,778
dioxide in the atmosphere you add that

408
00:19:06,240 --> 00:19:11,490
onto the all-time world record 400 parts

409
00:19:09,778 --> 00:19:12,690
per million carbon dioxide in the

410
00:19:11,490 --> 00:19:14,370
atmosphere and worth we're at the

411
00:19:12,690 --> 00:19:16,350
equivalent just counting those two

412
00:19:14,369 --> 00:19:19,439
greenhouse gases were at the equivalent

413
00:19:16,349 --> 00:19:22,019
of 700 million co2 remember when we were

414
00:19:19,440 --> 00:19:24,600
told 350 was the absolute upper limit

415
00:19:22,019 --> 00:19:27,509
beyond which we could not go right that

416
00:19:24,599 --> 00:19:28,259
wasn't that long ago if we're at the

417
00:19:27,509 --> 00:19:31,558
equivalent

418
00:19:28,259 --> 00:19:33,509
double that now and and people

419
00:19:31,558 --> 00:19:35,788
constantly tell me that that we're gonna

420
00:19:33,509 --> 00:19:38,120
figure our way out of this between

421
00:19:35,788 --> 00:19:42,509
global Demming between methane release

422
00:19:38,119 --> 00:19:45,209
atmospheric methane and also moistening

423
00:19:42,509 --> 00:19:48,899
of and this is what I haven't talked

424
00:19:45,210 --> 00:19:52,169
about so far moistening of the upper

425
00:19:48,898 --> 00:19:54,989
troposphere I don't see any way out any

426
00:19:52,169 --> 00:19:57,870
one of those three could easily take us

427
00:19:54,990 --> 00:19:58,669
beyond the ability of humans to adapt

428

00:19:57,869 --> 00:20:02,689
and therefore to

429
00:19:58,669 --> 00:20:06,399
extinction okay so just a question here

430
00:20:02,690 --> 00:20:10,609
about the upper troposphere I'm not a

431
00:20:06,398 --> 00:20:14,868
scientist I anticipate rope is fear is

432
00:20:10,608 --> 00:20:19,009
can you elucidate what would happen as

433
00:20:14,868 --> 00:20:20,720
it gets wetter yeah and it is getting

434
00:20:19,009 --> 00:20:23,329
wetter and this is what happens when you

435
00:20:20,720 --> 00:20:24,819
warm the planet when you warm the planet

436
00:20:23,329 --> 00:20:28,460
you increase the amount of evaporation

437
00:20:24,819 --> 00:20:31,460
so the atmosphere becomes wetter and and

438
00:20:28,460 --> 00:20:34,190
then eventually of course some of that

439
00:20:31,460 --> 00:20:36,590
precipitation some of that water falls

440
00:20:34,190 --> 00:20:38,359
out of the atmosphere and you get floods

441
00:20:36,589 --> 00:20:39,699
like we've never seen in human history

442
00:20:38,358 --> 00:20:42,079

and that's what we're seeing in

443

00:20:39,700 --> 00:20:44,600
association with this big El Nino event

444

00:20:42,079 --> 00:20:46,489
but water vapor which is the most

445

00:20:44,599 --> 00:20:48,469
dominant greenhouse gas the most

446

00:20:46,489 --> 00:20:50,869
abundant far more abundant than carbon

447

00:20:48,470 --> 00:20:53,960
dioxide and methane for example water

448

00:20:50,868 --> 00:20:56,329
vapor feedback at least doubles the

449

00:20:53,960 --> 00:20:58,519
amount of warming caused by co2 so if

450

00:20:56,329 --> 00:21:01,819
there's a one degree sea temperature

451

00:20:58,519 --> 00:21:04,548
change caused by co2 and there has been

452

00:21:01,819 --> 00:21:06,168
so far a little over one degree then the

453

00:21:04,548 --> 00:21:09,648
water vapor will cause a temperature to

454

00:21:06,169 --> 00:21:13,129
go up at least another one degree C and

455

00:21:09,648 --> 00:21:16,278
potentially as much as three degrees so

456

00:21:13,128 --> 00:21:18,858
we're looking at at up to four

457
00:21:16,278 --> 00:21:21,558
four-and-a-half degrees C just from the

458
00:21:18,858 --> 00:21:23,628
upper troposphere moistening and that's

459
00:21:21,558 --> 00:21:25,608
in the short-term and then according to

460
00:21:23,628 --> 00:21:28,368
Paul back with looking at the methane

461
00:21:25,608 --> 00:21:32,028
did he made a prediction in November

462
00:21:28,368 --> 00:21:34,459
2014 at the Lima meetings cop20 and he

463
00:21:32,028 --> 00:21:38,778
says we could see an abrupt rise just

464
00:21:34,460 --> 00:21:41,538
from methane in the atmosphere of 5 to 8

465
00:21:38,778 --> 00:21:45,980
degrees centigrade within a decade or

466
00:21:41,538 --> 00:21:48,108
two so you add those together and were

467
00:21:45,980 --> 00:21:50,509
beyond Jurassic Park we're beyond the

468
00:21:48,108 --> 00:21:53,689
warmest point the planet has known in

469
00:21:50,509 --> 00:21:56,690
the last 520 million years oh boy really

470
00:21:53,690 --> 00:22:00,200
those are big numbers yes they are well

471
00:21:56,690 --> 00:22:02,808
what happened in the last 10 Jurassic

472
00:22:00,200 --> 00:22:06,109
area that suddenly went into an ice age

473
00:22:02,808 --> 00:22:08,239
what was I'm sorry I guess I shouldn't

474
00:22:06,108 --> 00:22:10,189
just throw that in uh when you were

475
00:22:08,239 --> 00:22:12,379
talking about Jurassic and then

476
00:22:10,190 --> 00:22:14,179
said okay that was warm but then it was

477
00:22:12,378 --> 00:22:17,418
followed by an ice age so what happened

478
00:22:14,179 --> 00:22:21,139
Jer but uh but that's probably gonna get

479
00:22:17,419 --> 00:22:23,419
you a long asteroid in short no I don't

480
00:22:21,138 --> 00:22:25,699
know something else but no no well it

481
00:22:23,419 --> 00:22:29,480
was a feedback type of a loop and but I

482
00:22:25,700 --> 00:22:31,909
I'm sorry I I just know that that's fine

483
00:22:29,480 --> 00:22:34,190
and and it's interesting there have been

484
00:22:31,909 --> 00:22:35,629
essentially two stable states in the

485

00:22:34,190 --> 00:22:37,970
history of the planet for the last five

486
00:22:35,628 --> 00:22:40,668
hundred million years or so almost the

487
00:22:37,970 --> 00:22:44,179
entirety of that 500 million years has

488
00:22:40,669 --> 00:22:47,059
been at 12 degrees C or Ice Age it's the

489
00:22:44,179 --> 00:22:49,009
planetary average or 22 degrees C which

490
00:22:47,058 --> 00:22:51,378
is Jurassic Park or or hot house earth

491
00:22:49,009 --> 00:22:52,940
so those are the two stable states over

492
00:22:51,378 --> 00:22:55,158
long periods of time essentially nothing

493
00:22:52,940 --> 00:22:58,909
in between for an extended period of

494
00:22:55,159 --> 00:23:03,590
time that's you know we only came to

495
00:22:58,909 --> 00:23:06,080
this relatively stable state that that

496
00:23:03,589 --> 00:23:08,569
allows civilization to arise within the

497
00:23:06,079 --> 00:23:10,699
last few thousand years this is

498
00:23:08,569 --> 00:23:13,908
something new and it it has been

499
00:23:10,700 --> 00:23:17,330

reflected once before about 480 million

500

00:23:13,909 --> 00:23:19,340

years ago there was a short period when

501

00:23:17,329 --> 00:23:21,168

it was where we're at now about 15

502

00:23:19,339 --> 00:23:24,079

degrees centigrade global average

503

00:23:21,169 --> 00:23:27,320

temperature and and it didn't last long

504

00:23:24,079 --> 00:23:29,480

and we don't know we know a lot about

505

00:23:27,319 --> 00:23:30,829

what causes the temperature to increase

506

00:23:29,480 --> 00:23:34,009

suddenly and the self-reinforcing

507

00:23:30,829 --> 00:23:35,960

feedback loops associated with that most

508

00:23:34,009 --> 00:23:37,339

notably the Siberian traps and the

509

00:23:35,960 --> 00:23:40,460

methane released from them due to

510

00:23:37,339 --> 00:23:43,028

volcanism and carbon dioxide as it comes

511

00:23:40,460 --> 00:23:45,620

out of the ocean and in trigger seas

512

00:23:43,028 --> 00:23:46,460

relatively abrupt warming events but we

513

00:23:45,619 --> 00:23:48,079

don't know a lot about the

514
00:23:46,460 --> 00:23:50,058
self-reinforcing feedback loops that are

515
00:23:48,079 --> 00:23:53,089
negative is it because there's a decline

516
00:23:50,058 --> 00:23:54,319
in temperature quite suddenly yes there

517
00:23:53,089 --> 00:23:56,869
have been asteroids that have struck the

518
00:23:54,319 --> 00:24:02,750
earth in the past and caused a pretty

519
00:23:56,869 --> 00:24:04,128
rapid cooling but then 'men it's it's

520
00:24:02,750 --> 00:24:05,929
not as if there's suddenly a bunch of

521
00:24:04,128 --> 00:24:07,519
plants that are taking up carbon dioxide

522
00:24:05,929 --> 00:24:09,528
or removing from the atmosphere or much

523
00:24:07,519 --> 00:24:10,940
phytoplankton in the ocean again plants

524
00:24:09,528 --> 00:24:13,398
that are doing the same thing so we

525
00:24:10,940 --> 00:24:16,129
don't understand how the situation goes

526
00:24:13,398 --> 00:24:19,489
into reverse and causes ice age nearly

527
00:24:16,128 --> 00:24:22,819
as well as we understand the oppressors

528
00:24:19,490 --> 00:24:24,679
in temperature what about the changing

529
00:24:22,819 --> 00:24:29,779
of the Gulf Stream

530
00:24:24,679 --> 00:24:32,630
the the kind of cooling that would

531
00:24:29,779 --> 00:24:35,240
result from the gulfstream not working

532
00:24:32,630 --> 00:24:36,559
any longer yeah that would be a regional

533
00:24:35,240 --> 00:24:39,429
cooling and it appears that that's

534
00:24:36,558 --> 00:24:42,670
underway as predicted by a couple of

535
00:24:39,429 --> 00:24:46,160
consultants for the Pentagon in 2003

536
00:24:42,670 --> 00:24:47,900
guys named Schwartz and Randall and they

537
00:24:46,160 --> 00:24:49,130
had early made a pretty earlier made a

538
00:24:47,900 --> 00:24:51,860
prediction that sort of shocked

539
00:24:49,130 --> 00:24:53,240
everybody when it came true year or so

540
00:24:51,859 --> 00:24:56,449
in advance they predicted the collapse

541
00:24:53,240 --> 00:24:58,548
of the Soviet Union nobody much saw that

542

00:24:56,450 --> 00:25:00,200
coming so when they predicted that the

543
00:24:58,548 --> 00:25:03,379
thermohaline conveyor belt or the Gulf

544
00:25:00,200 --> 00:25:07,900
Stream would stop or reverse course and

545
00:25:03,380 --> 00:25:10,850
caused abrupt cooling in 2003 they were

546
00:25:07,900 --> 00:25:12,980
similarly looked at askance but now they

547
00:25:10,849 --> 00:25:14,779
have this record oh they got the Soviet

548
00:25:12,980 --> 00:25:17,110
Union so and they did their research and

549
00:25:14,779 --> 00:25:18,889
and and they you know reported the

550
00:25:17,109 --> 00:25:22,428
information that was available at the

551
00:25:18,890 --> 00:25:28,130
time that would cause and perhaps even

552
00:25:22,429 --> 00:25:30,919
is causing cooling and and moistening

553
00:25:28,130 --> 00:25:35,290
cooling in increased precipitation in

554
00:25:30,919 --> 00:25:38,330
Western Europe and maybe even northern

555
00:25:35,289 --> 00:25:41,240
Europe and northern northeastern North

556
00:25:38,329 --> 00:25:44,839

America that could be going on but it's

557

00:25:41,240 --> 00:25:47,120
a regional phenomenon it's really

558

00:25:44,839 --> 00:25:49,279
shifting the energy from one part of the

559

00:25:47,119 --> 00:25:53,329
earth to another it's not causing and

560

00:25:49,279 --> 00:25:58,819
overall cooling in the planet right I

561

00:25:53,329 --> 00:26:03,409
was also wondering - well just I'd have

562

00:25:58,819 --> 00:26:05,689
to go back to that Ice Age thing and you

563

00:26:03,410 --> 00:26:08,900
know you talk I don't know it's just

564

00:26:05,690 --> 00:26:12,590
that well I don't understand what you

565

00:26:08,900 --> 00:26:14,150
mean by global dimming I was I mean

566

00:26:12,589 --> 00:26:15,798
obviously I know what dimming means but

567

00:26:14,150 --> 00:26:25,059
what are you referring to when you say

568

00:26:15,798 --> 00:26:28,539
dimming the the in in addition to the

569

00:26:25,058 --> 00:26:31,099
atmospheric particles produced by

570

00:26:28,539 --> 00:26:33,500
industrial activity that cause warming

571
00:26:31,099 --> 00:26:35,240
of the planet and in most of us are

572
00:26:33,500 --> 00:26:38,419
familiar with carbon dioxide for example

573
00:26:35,240 --> 00:26:40,640
and methane much of that methane comes

574
00:26:38,419 --> 00:26:43,160
from livestock emissions just as one

575
00:26:40,640 --> 00:26:45,669
example okay so we know that those

576
00:26:43,160 --> 00:26:50,179
particles act as a blanket that once

577
00:26:45,669 --> 00:26:51,770
long-wave radiation is enters the

578
00:26:50,179 --> 00:26:53,240
atmosphere it gets trapped in the

579
00:26:51,769 --> 00:26:56,240
atmosphere it can't get out it's like

580
00:26:53,240 --> 00:26:58,940
putting blankets on ourself on a winter

581
00:26:56,240 --> 00:27:01,519
night to stay warm the heat source is

582
00:26:58,940 --> 00:27:03,470
civilization the blankets that are

583
00:27:01,519 --> 00:27:05,299
holding the heat close to the earth are

584
00:27:03,470 --> 00:27:08,839
things like carbon dioxide and water

585
00:27:05,299 --> 00:27:11,659
vapor and methane okay so that's that's

586
00:27:08,839 --> 00:27:13,428
the one side of those particles that we

587
00:27:11,660 --> 00:27:17,380
put up into atmosphere the other side of

588
00:27:13,429 --> 00:27:20,509
them is that especially aerosols and

589
00:27:17,380 --> 00:27:22,790
sulfates from for example burning

590
00:27:20,509 --> 00:27:25,339
low-quality coal which is loaded with

591
00:27:22,789 --> 00:27:28,480
sulfur we put those up into the

592
00:27:25,339 --> 00:27:31,730
atmosphere as well and they reflect

593
00:27:28,480 --> 00:27:35,240
potentially incoming solar radiation so

594
00:27:31,730 --> 00:27:39,319
they act as a you know you know those

595
00:27:35,240 --> 00:27:42,169
aluminum colored space blankets yes yeah

596
00:27:39,319 --> 00:27:44,960
that are so efficient and you know

597
00:27:42,169 --> 00:27:48,290
reflecting and trapping well it appears

598
00:27:44,960 --> 00:27:50,480
that those particulates dim the incoming

599

00:27:48,289 --> 00:27:52,789
radiation by smacking it back out into

600
00:27:50,480 --> 00:27:55,669
space by reflecting it back in the space

601
00:27:52,789 --> 00:27:57,109
of aerosols and sulfates in particular

602
00:27:55,669 --> 00:28:00,020
up there in the atmosphere and a

603
00:27:57,109 --> 00:28:01,969
reflecting potentially incoming solar

604
00:28:00,019 --> 00:28:04,940
radiation and not allowing it to get

605
00:28:01,970 --> 00:28:07,490
into the earth at all well we observed

606
00:28:04,940 --> 00:28:09,080
some guy went out on September 14th he

607
00:28:07,490 --> 00:28:11,089
looks up in the sky and he says wow this

608
00:28:09,079 --> 00:28:13,129
guy is so blue without all the airplanes

609
00:28:11,089 --> 00:28:16,490
flying over this was in the United

610
00:28:13,130 --> 00:28:20,330
States and in the wake of September 11

611
00:28:16,490 --> 00:28:22,190
2001 this was September 14 2001 he looks

612
00:28:20,329 --> 00:28:24,529
up and he says I wonder if that has any

613
00:28:22,190 --> 00:28:26,798

effect I wonder if that changes the

614

00:28:24,529 --> 00:28:28,819
temperature signal of the earth by

615

00:28:26,798 --> 00:28:30,079
airplanes in the United States not

616

00:28:28,819 --> 00:28:32,599
flying now bear in mind we were still

617

00:28:30,079 --> 00:28:35,119
burning coal mm-hmm you know we're still

618

00:28:32,599 --> 00:28:37,219
doing all these all these industrial

619

00:28:35,119 --> 00:28:39,289
activities and they're still flying in

620

00:28:37,220 --> 00:28:41,480
other countries just out of the United

621

00:28:39,289 --> 00:28:45,200
States and the global average

622

00:28:41,480 --> 00:28:49,089
temperature signal was affected by just

623

00:28:45,200 --> 00:28:50,980
us planes not flying and measurably so

624

00:28:49,089 --> 00:28:53,439
three days later

625

00:28:50,980 --> 00:28:58,240
Wow so there's a there's a documentary

626

00:28:53,440 --> 00:29:00,669
put out by BBC in 2005 so it's just over

627

00:28:58,240 --> 00:29:03,579
ten years old now there's refereed

628
00:29:00,669 --> 00:29:06,429
journal literature dating back to 2006

629
00:29:03,579 --> 00:29:09,789
with several papers since then about the

630
00:29:06,429 --> 00:29:13,269
impacts of dimming and what happens when

631
00:29:09,789 --> 00:29:14,769
the dimming particulates go away when

632
00:29:13,269 --> 00:29:16,359
they all fall back down to earth and

633
00:29:14,769 --> 00:29:18,700
it's not pretty

634
00:29:16,359 --> 00:29:22,058
in terms of rapid temperature rise at a

635
00:29:18,700 --> 00:29:25,000
planetary scale Wow thank you I have a

636
00:29:22,058 --> 00:29:28,869
question that came in from one of our

637
00:29:25,000 --> 00:29:31,619
loyal listeners who is Rosalie she's a

638
00:29:28,869 --> 00:29:36,129
23 year old engineer from Rhode Island

639
00:29:31,619 --> 00:29:39,339
she has two questions she wants to know

640
00:29:36,130 --> 00:29:43,299
is there any hope one and what's your

641
00:29:39,339 --> 00:29:45,629
plan guy she asks she adds that she'd

642
00:29:43,298 --> 00:29:52,480
like to get some land and become a

643
00:29:45,630 --> 00:29:56,140
self-sustaining farmer sure I'm pretty

644
00:29:52,480 --> 00:30:01,950
Hope free in my life these days hope for

645
00:29:56,140 --> 00:30:06,250
me is the is the other side of the coin

646
00:30:01,950 --> 00:30:07,630
that has fear on the one side we fear

647
00:30:06,250 --> 00:30:09,339
what might happen in the future we hope

648
00:30:07,630 --> 00:30:11,650
for something to happen in the future

649
00:30:09,339 --> 00:30:15,099
but it's wishful thinking right and so

650
00:30:11,650 --> 00:30:19,000
so I don't I don't have hope in that

651
00:30:15,099 --> 00:30:21,759
sense I promote action and and if you're

652
00:30:19,000 --> 00:30:23,679
if you're doing what you love I strongly

653
00:30:21,759 --> 00:30:27,910
support people doing that and especially

654
00:30:23,679 --> 00:30:30,340
if it means following my path which is

655
00:30:27,910 --> 00:30:32,940
walking away from imperialism walking

656

00:30:30,339 --> 00:30:36,220
away from industrial civilization and

657
00:30:32,940 --> 00:30:39,580
living quote off the land or in this

658
00:30:36,220 --> 00:30:42,700
case on the land yes and and do I think

659
00:30:39,579 --> 00:30:43,899
that will change the outcome no no I

660
00:30:42,700 --> 00:30:47,350
know in fact if everybody did that

661
00:30:43,900 --> 00:30:50,048
tomorrow because of the reduction in

662
00:30:47,349 --> 00:30:51,490
particular its we would experience such

663
00:30:50,048 --> 00:30:53,349
an abrupt rise in global average

664
00:30:51,490 --> 00:30:55,539
temperature because the lack of global

665
00:30:53,349 --> 00:30:59,699
dimming that we'd probably lose habitat

666
00:30:55,539 --> 00:31:03,308
for humans in a matter of days Wow

667
00:30:59,700 --> 00:31:04,808
but but I'm not I'm not promoting or

668
00:31:03,308 --> 00:31:08,259
proposing in a

669
00:31:04,808 --> 00:31:10,599
gen-i I strongly encourage people to

670
00:31:08,259 --> 00:31:13,628

take action but for from the sort of

671

00:31:10,599 --> 00:31:15,459

Buddhist perspective I recommend that

672

00:31:13,628 --> 00:31:18,069

people not become too attached to the

673

00:31:15,460 --> 00:31:21,308

out film because I think the outcome at

674

00:31:18,069 --> 00:31:23,079

this point is pretty much locked in yes

675

00:31:21,308 --> 00:31:24,788

you know we're gonna lose habitat for

676

00:31:23,079 --> 00:31:27,730

humans and in the not very distant

677

00:31:24,788 --> 00:31:29,679

future and no matter what we do so do

678

00:31:27,730 --> 00:31:31,899

what you love try to take the right

679

00:31:29,679 --> 00:31:34,480

actions not be too detached to the

680

00:31:31,898 --> 00:31:38,888

outcome and that's that's a story that I

681

00:31:34,480 --> 00:31:40,200

think we can all adopt and accept no

682

00:31:38,888 --> 00:31:44,589

matter what we believe

683

00:31:40,200 --> 00:31:46,330

so actually in essence this sort of

684

00:31:44,589 --> 00:31:50,528

crisis situation has been brought about

685
00:31:46,329 --> 00:31:53,259
by the internal combustion engine in its

686
00:31:50,528 --> 00:31:55,898
various forms yes the Industrial

687
00:31:53,259 --> 00:31:58,480
Revolution or the industrial version of

688
00:31:55,898 --> 00:32:00,189
civilization definitely civilizations

689
00:31:58,480 --> 00:32:01,990
arose a few thousand years ago at least

690
00:32:00,190 --> 00:32:03,850
seven places around the planet more or

691
00:32:01,990 --> 00:32:06,190
less at the same time and there are

692
00:32:03,849 --> 00:32:09,878
consequences for any civilization that

693
00:32:06,190 --> 00:32:12,970
involve a great disparity and wealth

694
00:32:09,878 --> 00:32:16,028
that involve a degradation of habitat

695
00:32:12,970 --> 00:32:18,669
for humans and so on but but that's been

696
00:32:16,028 --> 00:32:20,499
within the last let's say 300 400 years

697
00:32:18,669 --> 00:32:23,049
and then prior to that there have been

698
00:32:20,499 --> 00:32:26,288
some very successful civilizations

699
00:32:23,048 --> 00:32:29,158
although not technical and yet this

700
00:32:26,288 --> 00:32:34,058
global warming has been coming along for

701
00:32:29,159 --> 00:32:36,220
back in that era as well right so so

702
00:32:34,058 --> 00:32:38,288
that even though so the Industrial

703
00:32:36,220 --> 00:32:40,538
Revolution then would have sped up the

704
00:32:38,288 --> 00:32:43,240
process but not really affected it more

705
00:32:40,538 --> 00:32:46,329
than that well you know we know that the

706
00:32:43,240 --> 00:32:49,929
planet has experienced these two

707
00:32:46,329 --> 00:32:53,980
relatively stable states hot house and

708
00:32:49,929 --> 00:32:55,869
Ice Age okay and and so over a long

709
00:32:53,980 --> 00:32:58,599
enough time scale of course we're going

710
00:32:55,868 --> 00:33:01,990
to enter one or both of those states

711
00:32:58,599 --> 00:33:06,009
that's what that's with the records for

712
00:33:01,990 --> 00:33:08,740
the last 500 500 million years are

713

00:33:06,009 --> 00:33:10,919
telling us we certainly have accelerated

714
00:33:08,740 --> 00:33:13,599
the process through industrial activity

715
00:33:10,919 --> 00:33:15,190
why are they not to be funny but back in

716
00:33:13,599 --> 00:33:17,678
the Jurassic era where you did have

717
00:33:15,190 --> 00:33:18,320
these huge beasts the dinosaurs which I

718
00:33:17,679 --> 00:33:20,780
am sure

719
00:33:18,319 --> 00:33:23,059
produced best Seder unbelievable rate I

720
00:33:20,779 --> 00:33:26,869
wonder if that was what triggered it off

721
00:33:23,059 --> 00:33:28,789
even back then I don't know I've just I

722
00:33:26,869 --> 00:33:34,429
I you really gave me a lot of reason to

723
00:33:28,789 --> 00:33:39,440
sink in them it's just yes because and

724
00:33:34,430 --> 00:33:42,110
they're not happy so yeah but yeah I'm

725
00:33:39,440 --> 00:33:43,789
wondering you know having had personal

726
00:33:42,109 --> 00:33:46,639
experience with a great number of cows

727
00:33:43,789 --> 00:33:49,849

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

728

00:33:46,640 --> 00:33:52,940

I I can tell you the methane gets up

729

00:33:49,849 --> 00:33:55,309

pretty high pretty fast right especially

730

00:33:52,940 --> 00:33:58,490

fed the right kind of grain but yeah I

731

00:33:55,309 --> 00:34:00,409

wonder if maybe it wasn't just the

732

00:33:58,490 --> 00:34:02,210

asteroid maybe the dinosaurs are

733

00:34:00,410 --> 00:34:05,000

bringing things around anybody I don't

734

00:34:02,210 --> 00:34:08,360

know who knows but they they did

735

00:34:05,000 --> 00:34:11,329

speculate during the last great flood

736

00:34:08,360 --> 00:34:13,370

that there was a critical mass of human

737

00:34:11,329 --> 00:34:16,130

population that was necessary to

738

00:34:13,369 --> 00:34:18,159

preserve the race and I think someone

739

00:34:16,130 --> 00:34:22,519

speculated that it was approximately

740

00:34:18,159 --> 00:34:24,529

2,000 people worldwide since there's

741

00:34:22,519 --> 00:34:27,860

gonna be some survivors in caves

742
00:34:24,530 --> 00:34:30,019
somewhere somehow probably and they may

743
00:34:27,860 --> 00:34:32,380
reproduce and then maybe everything will

744
00:34:30,019 --> 00:34:35,030
cool down and go back to the 12 degree

745
00:34:32,380 --> 00:34:37,400
and there may be a temperate climate

746
00:34:35,030 --> 00:34:40,220
somewhere in between you think but

747
00:34:37,400 --> 00:34:42,789
there's absolutely no hope whatsoever is

748
00:34:40,219 --> 00:34:45,799
what you're saying well the last time

749
00:34:42,789 --> 00:34:48,969
the last time it was warm the last time

750
00:34:45,800 --> 00:34:53,720
we were in hothouse uh-huh was from

751
00:34:48,969 --> 00:34:55,939
roughly 135 million to roughly 45

752
00:34:53,719 --> 00:34:58,669
million years ago so you know in the

753
00:34:55,940 --> 00:35:00,320
neighborhood 90 million years mm-hmm 90

754
00:34:58,670 --> 00:35:03,200
million years without habitat for humans

755
00:35:00,320 --> 00:35:05,120
is a long time yep so far Homo sapiens

756
00:35:03,199 --> 00:35:06,980
has been here 2.8 million years we just

757
00:35:05,119 --> 00:35:09,589
need the last 30 times that long a

758
00:35:06,980 --> 00:35:11,090
little more and and then come out the

759
00:35:09,590 --> 00:35:13,910
other side until we started entering the

760
00:35:11,090 --> 00:35:17,809
Ice Age in addition when civilization

761
00:35:13,909 --> 00:35:20,569
collapses surely it will that's not the

762
00:35:17,809 --> 00:35:22,509
only issue it's not just heating that is

763
00:35:20,570 --> 00:35:26,660
the issue here there's something

764
00:35:22,510 --> 00:35:29,660
arguably more important it's the

765
00:35:26,659 --> 00:35:30,960
catastrophic meltdown of 445 nuclear

766
00:35:29,659 --> 00:35:33,509
power plants around the world

767
00:35:30,960 --> 00:35:35,338
oh yeah that's true too yeah we've

768
00:35:33,510 --> 00:35:38,369
already seen what it did to the Pacific

769
00:35:35,338 --> 00:35:40,739
Ocean yeah if we care to look yeah this

770

00:35:38,369 --> 00:35:42,660
is right yeah doesn't look too good huh

771
00:35:40,739 --> 00:35:44,719
absolutely and and people will let

772
00:35:42,659 --> 00:35:47,909
smarter have me than me have argued that

773
00:35:44,719 --> 00:35:51,509
Fukushima alone is an extinction-level

774
00:35:47,909 --> 00:35:55,889
event for humans on this planet and and

775
00:35:51,510 --> 00:35:57,030
that's one plant hundreds yeah well you

776
00:35:55,889 --> 00:36:07,409
know what I'm not even gonna buy the

777
00:35:57,030 --> 00:36:10,530
lottery ticket that's it absolutely

778
00:36:07,409 --> 00:36:14,519
absolutely I agree with that I want to

779
00:36:10,530 --> 00:36:17,700
just let our listeners know that you can

780
00:36:14,519 --> 00:36:20,550
be found at night fearsome calm that you

781
00:36:17,699 --> 00:36:24,439
have an excellent podcast called nature

782
00:36:20,550 --> 00:36:30,180
bats last and I wanted to also thank

783
00:36:24,440 --> 00:36:31,559
thank Linda jeez Linda LeBlanc I always

784
00:36:30,179 --> 00:36:33,299

want to call her something less name

785

00:36:31,559 --> 00:36:36,409
something else whoo

786

00:36:33,300 --> 00:36:39,210
what put me on to you about a year ago

787

00:36:36,409 --> 00:36:42,179
at a meeting that we attended together

788

00:36:39,210 --> 00:36:44,670
and she told me a very distressing

789

00:36:42,179 --> 00:36:47,969
methane scenario that she had heard from

790

00:36:44,670 --> 00:36:50,250
you and where we might not be able to

791

00:36:47,969 --> 00:36:53,129
breathe and you also have a fairly

792

00:36:50,250 --> 00:36:55,230
famous quote out there if you think

793

00:36:53,130 --> 00:36:57,300
money is very important try counting it

794

00:36:55,230 --> 00:36:59,338
when you can't breathe something of

795

00:36:57,300 --> 00:37:01,740
that nature I'm not I'm not really good

796

00:36:59,338 --> 00:37:04,559
quote er but that's where it's so can

797

00:37:01,739 --> 00:37:06,389
you elucidate that a little bit yeah I

798

00:37:04,559 --> 00:37:09,409
said this years ago when I was a speaker

799

00:37:06,389 --> 00:37:12,389
tour if you think the environment is

800

00:37:09,409 --> 00:37:14,129
less important than the economy try

801

00:37:12,389 --> 00:37:16,049
holding your breath while counting your

802

00:37:14,130 --> 00:37:18,660
money exactly yes

803

00:37:16,050 --> 00:37:20,550
and and that's that's really where we

804

00:37:18,659 --> 00:37:27,210
are I mean in this culture we've managed

805

00:37:20,550 --> 00:37:29,099
to monetize every single thing air look

806

00:37:27,210 --> 00:37:32,280
what's happening we're sending air from

807

00:37:29,099 --> 00:37:35,910
Canada to Beijing and charging money for

808

00:37:32,280 --> 00:37:38,070
it we monetize oh yeah yeah you can't

809

00:37:35,909 --> 00:37:40,139
breathe there's no clean air in a couple

810

00:37:38,070 --> 00:37:41,338
of cities in China absolutely so people

811

00:37:40,139 --> 00:37:44,368
are willing to pay almost anything to

812

00:37:41,338 --> 00:37:46,768
breathe of course you can't see your

813
00:37:44,369 --> 00:37:49,920
and in front of your face you literally

814
00:37:46,768 --> 00:37:53,129
cannot see across the street and it's

815
00:37:49,920 --> 00:37:55,559
not like fog it's orange and you know

816
00:37:53,130 --> 00:37:58,710
it's killing you and when you see little

817
00:37:55,559 --> 00:38:01,829
children walking around in Beijing you

818
00:37:58,710 --> 00:38:02,699
wonder what could their parents possibly

819
00:38:01,829 --> 00:38:07,109
be thinking

820
00:38:02,699 --> 00:38:08,538
Wow yes it's true I have another another

821
00:38:07,108 --> 00:38:12,088
question here

822
00:38:08,539 --> 00:38:14,309
shattered reality podcast deals with

823
00:38:12,088 --> 00:38:16,858
edge science of different sorts from

824
00:38:14,309 --> 00:38:20,430
time to time and often we deal with

825
00:38:16,858 --> 00:38:24,028
consciousness and because matter

826
00:38:20,429 --> 00:38:26,998
consists of atoms as has been found by

827

00:38:24,028 --> 00:38:31,170
physicists to be almost empty space and

828
00:38:26,998 --> 00:38:33,989
because through the famous double slit

829
00:38:31,170 --> 00:38:35,700
experiment with electrons has proven

830
00:38:33,989 --> 00:38:39,479
that observation and therefore

831
00:38:35,699 --> 00:38:42,239
consciousness has an effect on matter do

832
00:38:39,480 --> 00:38:45,659
you believe that consciousness can have

833
00:38:42,239 --> 00:38:48,899
an effect on climate change and it's

834
00:38:45,659 --> 00:38:50,818
concurrent effects secondly do you

835
00:38:48,900 --> 00:38:53,730
believe that any non-physical

836
00:38:50,818 --> 00:38:56,568
intelligences can have an effect on the

837
00:38:53,730 --> 00:38:59,159
3d world in which we live biologically I

838
00:38:56,568 --> 00:39:10,679
know that's a to bigger but this was

839
00:38:59,159 --> 00:39:14,038
just an hour show there are a lot of

840
00:39:10,679 --> 00:39:23,009
things we don't know I've seen no

841
00:39:14,039 --> 00:39:25,680

evidence to suggest that we much control

842

00:39:23,009 --> 00:39:28,769

over our consciousness to begin with and

843

00:39:25,679 --> 00:39:30,929

that if we all come together as an act

844

00:39:28,768 --> 00:39:33,858

of human consciousness and by the way

845

00:39:30,929 --> 00:39:36,358

these predicaments we face are really

846

00:39:33,858 --> 00:39:42,298

predicaments of consciousness of human

847

00:39:36,358 --> 00:39:47,058

consciousness so if we all change paths

848

00:39:42,298 --> 00:39:50,159

if we become more enlightened if we

849

00:39:47,059 --> 00:39:52,619

experiencing a rapid wave in human

850

00:39:50,159 --> 00:39:55,710

consciousness will that solve the

851

00:39:52,619 --> 00:39:57,940

situation it would surprise me based on

852

00:39:55,710 --> 00:40:02,619

the evidence I've seen but as I said

853

00:39:57,940 --> 00:40:04,659

or yeah I think we should attempt to do

854

00:40:02,619 --> 00:40:06,818

what's right to take those right actions

855

00:40:04,659 --> 00:40:10,299

from the Buddhist perspective regardless

856
00:40:06,818 --> 00:40:13,539
of the outcome so that's why I go around

857
00:40:10,300 --> 00:40:15,730
telling people the evidence that I have

858
00:40:13,539 --> 00:40:20,559
at my disposal I'm frequently disparaged

859
00:40:15,730 --> 00:40:22,179
for that because clearly if we can't fix

860
00:40:20,559 --> 00:40:23,980
it then why should I go around telling

861
00:40:22,179 --> 00:40:25,449
people that's like telling people you're

862
00:40:23,980 --> 00:40:27,010
going to die well of course everybody

863
00:40:25,449 --> 00:40:29,049
knows they're going to die so they don't

864
00:40:27,010 --> 00:40:30,790
need the reminder and it makes me some

865
00:40:29,050 --> 00:40:35,859
somewhat of a bummer at parties when I

866
00:40:30,789 --> 00:40:37,599
bring that stuff up but but I think you

867
00:40:35,858 --> 00:40:40,179
know you know climate scientists people

868
00:40:37,599 --> 00:40:42,280
who know and bear in mind that most

869
00:40:40,179 --> 00:40:44,919
climate scientists are not biologists

870
00:40:42,280 --> 00:40:48,160
and don't have an understanding of

871
00:40:44,920 --> 00:40:49,659
ecosystem processes so maybe they really

872
00:40:48,159 --> 00:40:51,608
don't know maybe if you're a physicist

873
00:40:49,659 --> 00:40:54,519
maybe if you're an engineer and that's

874
00:40:51,608 --> 00:40:56,078
your educational background as a climate

875
00:40:54,519 --> 00:40:58,150
scientist maybe you really believe that

876
00:40:56,079 --> 00:41:01,119
we can survive anything including

877
00:40:58,150 --> 00:41:03,099
Jurassic Park plus nuclear ionizing

878
00:41:01,119 --> 00:41:05,769
radiation no I think that would be

879
00:41:03,099 --> 00:41:08,410
absurd but maybe some people actually

880
00:41:05,769 --> 00:41:09,550
believe that so I'm constantly told that

881
00:41:08,409 --> 00:41:11,679
I shouldn't go around telling people

882
00:41:09,550 --> 00:41:15,250
this but I think the people who do know

883
00:41:11,679 --> 00:41:17,980
and stop a stop a step short and say

884

00:41:15,250 --> 00:41:19,869
that we need to have hope and that that

885
00:41:17,980 --> 00:41:21,969
if we just do these three things right

886
00:41:19,869 --> 00:41:25,960
squirt of light bulbs which into Priuses

887
00:41:21,969 --> 00:41:27,939
and and for going hot showers that it's

888
00:41:25,960 --> 00:41:31,059
all going to be fine I think that's

889
00:41:27,940 --> 00:41:32,858
malpractice actually we are in the midst

890
00:41:31,059 --> 00:41:35,078
of abrupt climate change it's almost

891
00:41:32,858 --> 00:41:37,750
certain to cause human extinction in a

892
00:41:35,079 --> 00:41:39,250
not very distant future and so to tell

893
00:41:37,750 --> 00:41:42,519
people otherwise so that you can keep

894
00:41:39,250 --> 00:41:46,838
your paycheck to me screams malpractice

895
00:41:42,519 --> 00:41:49,030
yes and I've heard you castigate a few

896
00:41:46,838 --> 00:41:51,789
of the other climate scientists

897
00:41:49,030 --> 00:41:53,530
including a woman who was kind of you

898
00:41:51,789 --> 00:41:56,559

know make some somewhat laughable

899

00:41:53,530 --> 00:42:01,000
statements but I think that probably

900

00:41:56,559 --> 00:42:05,019
goes off the grid for our our listeners

901

00:42:01,000 --> 00:42:08,679
they totally unaware of that that

902

00:42:05,019 --> 00:42:11,710
direction except for maybe James Hansen

903

00:42:08,679 --> 00:42:14,379
the former NASA fellow I think may maybe

904

00:42:11,710 --> 00:42:17,440
people know of him and he did quit his

905

00:42:14,380 --> 00:42:19,930
job too and he did protest the Excel

906

00:42:17,440 --> 00:42:21,250
pipeline and so forth so it does seem as

907

00:42:19,929 --> 00:42:23,949
though his heart is in the right place

908

00:42:21,250 --> 00:42:25,420
and if it weren't for him a lot of

909

00:42:23,949 --> 00:42:28,449
people in the united states wouldn't

910

00:42:25,420 --> 00:42:30,700
even know about global warming that's

911

00:42:28,449 --> 00:42:34,269
right he went before Congress in 1988

912

00:42:30,699 --> 00:42:35,919
and made a profound statement and and

913
00:42:34,269 --> 00:42:38,650
said that we need to do something about

914
00:42:35,920 --> 00:42:42,750
this right now or were in real trouble

915
00:42:38,650 --> 00:42:47,139
well that was 1988 we're in real trouble

916
00:42:42,750 --> 00:42:49,480
I do it definitely his his heart is in

917
00:42:47,139 --> 00:42:51,819
the right place he is trying to ring the

918
00:42:49,480 --> 00:42:55,750
alarm he's just not getting a lot of

919
00:42:51,820 --> 00:42:58,450
attention and everybody including to a

920
00:42:55,750 --> 00:43:00,338
certain extent him thinks that climate

921
00:42:58,449 --> 00:43:03,279
change is a problem the grandchildren

922
00:43:00,338 --> 00:43:04,539
will need to solve after all his 2007

923
00:43:03,280 --> 00:43:06,700
book was called storms of my

924
00:43:04,539 --> 00:43:09,730
grandchildren it wasn't called storms of

925
00:43:06,699 --> 00:43:13,269
today right even though it came out post

926
00:43:09,730 --> 00:43:16,599
Katrina and right before Hurricane sandy

927
00:43:13,269 --> 00:43:20,650
and Haiyan struck the Philippines less

928
00:43:16,599 --> 00:43:23,680
than two years ago so you know there yes

929
00:43:20,650 --> 00:43:25,480
there are shades of gray here and or in

930
00:43:23,679 --> 00:43:28,629
many ways James Hansen has been doing

931
00:43:25,480 --> 00:43:31,150
the right thing for a long time yeah

932
00:43:28,630 --> 00:43:33,910
well getting back to Katrina a lot of

933
00:43:31,150 --> 00:43:38,260
people sort of intimated that perhaps

934
00:43:33,909 --> 00:43:43,838
HAARP the not it's an acronym H AARP

935
00:43:38,260 --> 00:43:46,839
double-a RP o HW was but possibly used

936
00:43:43,838 --> 00:43:49,210
to redirect Katrina over a major city

937
00:43:46,838 --> 00:43:51,639
and I mean that that's a conspiracy

938
00:43:49,210 --> 00:43:54,639
theorist type thing but Begich is the

939
00:43:51,639 --> 00:43:56,559
focal Vega Jews from Alaska and wrote a

940
00:43:54,639 --> 00:44:00,368
terrific book angels don't play this

941

00:43:56,559 --> 00:44:03,159
harp but had you heard anything about

942
00:44:00,369 --> 00:44:06,070
that is that use just simply for weather

943
00:44:03,159 --> 00:44:08,500
control and nasty things or is a

944
00:44:06,070 --> 00:44:11,230
government trying to figure things out

945
00:44:08,500 --> 00:44:13,239
well the United States abandoned their

946
00:44:11,230 --> 00:44:16,329
research with HAARP

947
00:44:13,239 --> 00:44:18,159
which was intended as a as a weather

948
00:44:16,329 --> 00:44:20,980
manipulation okay atmosphere

949
00:44:18,159 --> 00:44:24,639
manipulation project but they abandoned

950
00:44:20,980 --> 00:44:25,690
that project a few years ago is it still

951
00:44:24,639 --> 00:44:27,670
going

952
00:44:25,690 --> 00:44:28,720
I don't know and I haven't seen any

953
00:44:27,670 --> 00:44:33,519
compelling evidence

954
00:44:28,719 --> 00:44:35,230
yeah it's but but again I don't know

955
00:44:33,518 --> 00:44:37,479

there you know there's lots of things I

956

00:44:35,230 --> 00:44:38,650

don't know if you want the full list you

957

00:44:37,480 --> 00:44:50,528

can check with my wife as with most

958

00:44:38,650 --> 00:44:54,608

buses so she has it right there okay

959

00:44:50,528 --> 00:44:58,929

well yeah as far as government projects

960

00:44:54,608 --> 00:45:00,880

go having known a number of the

961

00:44:58,929 --> 00:45:04,268

government former government remote

962

00:45:00,880 --> 00:45:05,559

viewers personally and knowing that the

963

00:45:04,268 --> 00:45:09,639

government said they stopped that

964

00:45:05,559 --> 00:45:12,309

program I'm not sure yeah I'm not sure

965

00:45:09,639 --> 00:45:15,190

so if that's any indication of anything

966

00:45:12,309 --> 00:45:17,289

but we don't know yeah it does get to be

967

00:45:15,190 --> 00:45:19,179

so aggravating you know there's a bunch

968

00:45:17,289 --> 00:45:21,519

of little fellas running around playing

969

00:45:19,179 --> 00:45:25,568

government you know it's just like press

970
00:45:21,518 --> 00:45:27,788
up morons well certainly we certainly

971
00:45:25,568 --> 00:45:31,778
are lied to on a very frequent basis I

972
00:45:27,789 --> 00:45:34,269
think you deny that and it gets to be

973
00:45:31,778 --> 00:45:36,278
very discouraging them what what is

974
00:45:34,268 --> 00:45:38,588
everyone gonna grow up you know it's

975
00:45:36,278 --> 00:45:40,630
they're not you know I don't know it's

976
00:45:38,588 --> 00:45:42,969
just you know you you actually make some

977
00:45:40,630 --> 00:45:44,380
excellent points obviously and yes we

978
00:45:42,969 --> 00:45:46,838
should be listening to you and yes

979
00:45:44,380 --> 00:45:48,849
enjoying what time we have left since

980
00:45:46,838 --> 00:45:52,088
we've already messed it up beyond hope

981
00:45:48,849 --> 00:45:53,980
and yet everyone is gonna go on as if

982
00:45:52,088 --> 00:45:55,748
nothing's going I mean looking begging

983
00:45:53,980 --> 00:45:59,619
I'm sure people aren't moving out of the

984
00:45:55,748 --> 00:46:02,889
city Jerry Hall Jerry Hall Mick Jagger's

985
00:45:59,619 --> 00:46:06,369
former wife high fashion model yeah has

986
00:46:02,889 --> 00:46:08,318
gotten engaged to Rupert Murdoch now if

987
00:46:06,369 --> 00:46:10,088
that isn't a sellout for the buck I

988
00:46:08,318 --> 00:46:11,798
don't know what is yeah but at least he

989
00:46:10,088 --> 00:46:14,498
didn't go with some young chick I mean

990
00:46:11,798 --> 00:46:16,568
she's got to be pushing 60 she has to be

991
00:46:14,498 --> 00:46:19,298
jackets up in his seventh yes she is but

992
00:46:16,568 --> 00:46:26,349
come on so you think he's marrying her

993
00:46:19,298 --> 00:46:31,449
for money yeah I think she's got a few

994
00:46:26,349 --> 00:46:34,239
oxygen tanks and in any case she's a

995
00:46:31,449 --> 00:46:35,000
really intelligent fun person have you

996
00:46:34,239 --> 00:46:37,340
ever seen

997
00:46:35,000 --> 00:46:39,260
yes yes I have and she's she's

998

00:46:37,340 --> 00:46:42,680
interesting I see what makes saw in her

999
00:46:39,260 --> 00:46:45,110
and she's certainly not stupid maybe he

1000
00:46:42,679 --> 00:46:47,349
wanted to have a good conversation for a

1001
00:46:45,110 --> 00:46:47,349
change

1002
00:46:52,840 --> 00:46:57,800
what I was going to say about you have a

1003
00:46:55,400 --> 00:47:00,019
couple of articles on your website that

1004
00:46:57,800 --> 00:47:02,750
I wanted to see if you thought would be

1005
00:47:00,019 --> 00:47:05,090
worthwhile directing people to one of

1006
00:47:02,750 --> 00:47:07,340
which was I believe is called preparing

1007
00:47:05,090 --> 00:47:11,539
in place and the other one has to do

1008
00:47:07,340 --> 00:47:14,180
with preparing like Moberly for the

1009
00:47:11,539 --> 00:47:18,679
effects of climate change if you happen

1010
00:47:14,179 --> 00:47:20,869
to still be alive yeah I mean you can

1011
00:47:18,679 --> 00:47:23,269
you can just use the search words in the

1012
00:47:20,869 --> 00:47:25,429

search box at nature bats last that's

1013

00:47:23,269 --> 00:47:26,869

guy McPherson dot-com so you type in guy

1014

00:47:25,429 --> 00:47:28,819

McPherson calm and it doesn't even

1015

00:47:26,869 --> 00:47:31,009

matter if you spell it wrong it it keeps

1016

00:47:28,820 --> 00:47:34,130

you in the same neighborhood and then

1017

00:47:31,010 --> 00:47:36,260

the first thing you see is the line that

1018

00:47:34,130 --> 00:47:37,730

says nature bats last our days are

1019

00:47:36,260 --> 00:47:39,080

numbered passionately pursue a life of

1020

00:47:37,730 --> 00:47:41,960

excellence and just to the right of that

1021

00:47:39,079 --> 00:47:43,250

it says enter search keyword so if you

1022

00:47:41,960 --> 00:47:45,230

want to find that as a preparing in

1023

00:47:43,250 --> 00:47:48,289

place you just type in preparing in

1024

00:47:45,230 --> 00:47:50,240

place and hit return and I imagine it'll

1025

00:47:48,289 --> 00:47:53,509

be the first thing that comes up yes

1026

00:47:50,239 --> 00:47:56,750

because I thought that people would like

1027
00:47:53,510 --> 00:48:00,080
to take a look at that particularly and

1028
00:47:56,750 --> 00:48:04,099
I also note something else that you

1029
00:48:00,079 --> 00:48:06,860
wrote down there about folks not

1030
00:48:04,099 --> 00:48:10,009
committing suicide and though that

1031
00:48:06,860 --> 00:48:12,740
people have the right to do that and do

1032
00:48:10,010 --> 00:48:15,590
you think that people should keep

1033
00:48:12,739 --> 00:48:19,129
something aside for themselves should

1034
00:48:15,590 --> 00:48:22,280
things become really dismal as in people

1035
00:48:19,130 --> 00:48:24,170
rating and cannibalizing they might want

1036
00:48:22,280 --> 00:48:27,170
to end you might want to end things a

1037
00:48:24,170 --> 00:48:30,170
little bit sooner it yeah I get that

1038
00:48:27,170 --> 00:48:31,430
right or am i totally off no that's

1039
00:48:30,170 --> 00:48:33,530
that's a perfectly reasonable question

1040
00:48:31,429 --> 00:48:35,960
in fact when you go to guy McPherson

1041
00:48:33,530 --> 00:48:37,880
calm there's a little one-minute video

1042
00:48:35,960 --> 00:48:40,190
clip of me in the right hand column and

1043
00:48:37,880 --> 00:48:43,430
just below that it says contemplating

1044
00:48:40,190 --> 00:48:46,970
suicide please read this and you click

1045
00:48:43,429 --> 00:48:47,899
that this is just a very very short for

1046
00:48:46,969 --> 00:48:49,578
sentence essay

1047
00:48:47,900 --> 00:48:51,950
says if you're contemplating suicide

1048
00:48:49,579 --> 00:48:55,220
please reconsider and then click here

1049
00:48:51,949 --> 00:48:58,338
for awareness prevention and support on

1050
00:48:55,219 --> 00:49:00,618
the topic of suicide I'm not advocating

1051
00:48:58,338 --> 00:49:03,500
for or against a suicide I'm

1052
00:49:00,619 --> 00:49:05,630
non-judgmental about the issue I agree

1053
00:49:03,500 --> 00:49:06,920
with Archbishop Desmond Tutu that every

1054
00:49:05,630 --> 00:49:10,010
human being has right to make the

1055

00:49:06,920 --> 00:49:14,180
decision to end his or her own life and

1056
00:49:10,010 --> 00:49:16,609
and then I include a link to to an essay

1057
00:49:14,179 --> 00:49:17,960
by a guy named Martin mainly and I say

1058
00:49:16,608 --> 00:49:21,679
it can be thought a thoughtful decision

1059
00:49:17,960 --> 00:49:26,028
is illustrated by Martin Manley so I

1060
00:49:21,679 --> 00:49:30,489
think depriving people of the right to

1061
00:49:26,028 --> 00:49:32,960
in their own life is utterly absurd and

1062
00:49:30,489 --> 00:49:35,568
to use a word we never use in this

1063
00:49:32,960 --> 00:49:38,028
culture wrong yes I'm not gonna say

1064
00:49:35,568 --> 00:49:42,019
inappropriate here I'm gonna say wrong I

1065
00:49:38,028 --> 00:49:44,480
would agree and and and so I don't think

1066
00:49:42,019 --> 00:49:47,358
that we should deny people the right to

1067
00:49:44,480 --> 00:49:49,849
in their own lives we didn't have any

1068
00:49:47,358 --> 00:49:51,048
decision about coming into this world we

1069
00:49:49,849 --> 00:49:53,990

didn't have any did we just showed up

1070

00:49:51,048 --> 00:49:59,358

and for some people it's absolute misery

1071

00:49:53,989 --> 00:50:02,318

every day do do I promote people living

1072

00:49:59,358 --> 00:50:06,380

miserable lives against their own wishes

1073

00:50:02,318 --> 00:50:08,210

for even longer no of course not

1074

00:50:06,380 --> 00:50:10,190

you know if you're if you're being

1075

00:50:08,210 --> 00:50:13,130

tortured and people are actually

1076

00:50:10,190 --> 00:50:15,349

tortured by entities such as the United

1077

00:50:13,130 --> 00:50:18,440

States government and if you're being

1078

00:50:15,349 --> 00:50:19,789

tortured I'll bat that and you know I

1079

00:50:18,440 --> 00:50:21,858

haven't been subjected to this kind of

1080

00:50:19,789 --> 00:50:23,240

torture so I can't say for sure but I'd

1081

00:50:21,858 --> 00:50:24,920

be willing to bet that a lot of people

1082

00:50:23,239 --> 00:50:27,558

who are being tortured would rather die

1083

00:50:24,920 --> 00:50:31,099

and just be done with it I would suspect

1084
00:50:27,559 --> 00:50:34,309
so and and I think the United States is

1085
00:50:31,099 --> 00:50:37,338
one of the few countries where people on

1086
00:50:34,309 --> 00:50:40,519
some level expect to live forever in

1087
00:50:37,338 --> 00:50:44,719
Europe people do not spend their entire

1088
00:50:40,519 --> 00:50:47,170
legacy fortune whatever on end care in

1089
00:50:44,719 --> 00:50:52,009
other words what happens to them between

1090
00:50:47,170 --> 00:50:55,579
85 and 87 when they're in a decline they

1091
00:50:52,010 --> 00:50:57,528
don't spend every penny on perpetuating

1092
00:50:55,579 --> 00:51:01,039
this life which is not going to work out

1093
00:50:57,528 --> 00:51:01,969
let's face it at that juncture but they

1094
00:51:01,039 --> 00:51:04,490
chew

1095
00:51:01,969 --> 00:51:06,349
they choose to end their own lives and

1096
00:51:04,489 --> 00:51:08,989
they are supported by the government in

1097
00:51:06,349 --> 00:51:12,380
doing that which i think is much more

1098
00:51:08,989 --> 00:51:14,689
humane than forcing somebody to live on

1099
00:51:12,380 --> 00:51:16,670
as a vegetable or whatever that wasn't

1100
00:51:14,690 --> 00:51:18,679
exactly what I was talking about though

1101
00:51:16,670 --> 00:51:22,369
I like everything else I have an opinion

1102
00:51:18,679 --> 00:51:27,919
on it but what I was talking about is a

1103
00:51:22,369 --> 00:51:29,869
in and an end time scenario where things

1104
00:51:27,920 --> 00:51:33,230
have really gotten out of hand and it's

1105
00:51:29,869 --> 00:51:36,309
clear that the environment is going

1106
00:51:33,230 --> 00:51:39,670
downhill and people are revolting maybe

1107
00:51:36,309 --> 00:51:43,279
looking for supplies raiding your home

1108
00:51:39,670 --> 00:51:45,590
maybe even engaging in cannibalism it

1109
00:51:43,280 --> 00:51:50,290
might be a possibility that somebody

1110
00:51:45,590 --> 00:51:53,840
might want to have a supply of some

1111
00:51:50,289 --> 00:51:56,380
something on hand to to deliver

1112

00:51:53,840 --> 00:51:58,730
themselves from that eventualities

1113
00:51:56,380 --> 00:52:00,019
that's what I was talking about you

1114
00:51:58,730 --> 00:52:01,760
don't have to comment on that if you

1115
00:52:00,019 --> 00:52:04,579
don't want maybe for legal reasons you

1116
00:52:01,760 --> 00:52:07,340
would prefer not to like maybe I've dug

1117
00:52:04,579 --> 00:52:10,549
my own legal well I think what you what

1118
00:52:07,340 --> 00:52:12,620
you were saying is hmm do I stay here

1119
00:52:10,550 --> 00:52:16,960
and get cannibalize or do I just take a

1120
00:52:12,619 --> 00:52:16,960
few more of these pills hmm let me see

1121
00:52:17,019 --> 00:52:21,619
you bring up a good point in in other

1122
00:52:19,670 --> 00:52:23,920
cultures they don't have this obsession

1123
00:52:21,619 --> 00:52:27,319
with living forever

1124
00:52:23,920 --> 00:52:29,690
we mostly act as if we're never going to

1125
00:52:27,320 --> 00:52:31,700
die and we put it off as long as

1126
00:52:29,690 --> 00:52:34,159

possible I'm reminded of a quote from

1127

00:52:31,699 --> 00:52:35,419

Woody Allen I am Not Afraid of dying I

1128

00:52:34,159 --> 00:52:35,960

just don't want to be there what

1129

00:52:35,420 --> 00:52:37,670

happened

1130

00:52:35,960 --> 00:52:40,159

that was one of my favorite all-time

1131

00:52:37,670 --> 00:52:42,139

quotes I actually do want to be there

1132

00:52:40,159 --> 00:52:44,839

when it happens because I want to see if

1133

00:52:42,139 --> 00:52:47,569

something if somebody comes for me like

1134

00:52:44,840 --> 00:52:49,789

like you know what there's a near-death

1135

00:52:47,570 --> 00:52:56,510

experience type stuff Oh shouldn't I

1136

00:52:49,789 --> 00:52:58,340

tend to have different expectations and

1137

00:52:56,510 --> 00:53:01,040

my point and reason that quote is that I

1138

00:52:58,340 --> 00:53:04,340

think Woody Allen was merely reflecting

1139

00:53:01,039 --> 00:53:07,550

the dominant culture yeah yes that death

1140

00:53:04,340 --> 00:53:08,809

is for other people right right it's not

1141
00:53:07,550 --> 00:53:10,280
gonna happen I don't want to be there

1142
00:53:08,809 --> 00:53:12,710
when it happens and therefore it's not

1143
00:53:10,280 --> 00:53:14,900
gonna happen to me that's what he seems

1144
00:53:12,710 --> 00:53:16,550
to me that's the American mentality or

1145
00:53:14,900 --> 00:53:18,740
maybe he just didn't want to go through

1146
00:53:16,550 --> 00:53:20,960
all the pain and suffering that goes

1147
00:53:18,739 --> 00:53:22,909
along with it just like one second you

1148
00:53:20,960 --> 00:53:25,220
there and next second you're not but you

1149
00:53:22,909 --> 00:53:27,440
know I you know first I just if you

1150
00:53:25,219 --> 00:53:30,529
don't mind me rambling all over the

1151
00:53:27,440 --> 00:53:38,360
place like you do expect there's an

1152
00:53:30,530 --> 00:53:41,120
afterlife right maybe looking for the

1153
00:53:38,360 --> 00:53:43,640
light a change in some and and being

1154
00:53:41,119 --> 00:53:46,099
absorbed into the cosmic oneness okay so

1155
00:53:43,639 --> 00:53:49,730
alright let's say Ferruccio was correct

1156
00:53:46,099 --> 00:53:52,219
in that and that within a week six

1157
00:53:49,730 --> 00:53:55,699
billion or however many souls go into

1158
00:53:52,219 --> 00:53:58,579
the force if you will right wow that

1159
00:53:55,699 --> 00:54:00,889
would be interesting yeah well any

1160
00:53:58,579 --> 00:54:03,590
interesting I think we've taken poor mr.

1161
00:54:00,889 --> 00:54:06,170
Macpherson dr. oh I'm sorry no don't be

1162
00:54:03,590 --> 00:54:08,210
sorry please up far off his track here

1163
00:54:06,170 --> 00:54:12,050
but you know please feel welcome to

1164
00:54:08,210 --> 00:54:19,699
comment on that I'm frequently taken off

1165
00:54:12,050 --> 00:54:22,700
my track yeah you told in American

1166
00:54:19,699 --> 00:54:27,529
College why not for for me as a

1167
00:54:22,699 --> 00:54:29,779
scientist I just go in that doesn't this

1168
00:54:27,530 --> 00:54:38,630
unit her into my thought process it

1169

00:54:29,780 --> 00:54:40,370
doesn't enter into my analyses I'm

1170
00:54:38,630 --> 00:54:42,789
referring to Buddhism as a philosophy

1171
00:54:40,369 --> 00:54:45,619
not as a religion I understand but still

1172
00:54:42,789 --> 00:54:48,529
even philosophies are based on some

1173
00:54:45,619 --> 00:54:50,569
thought of something yes I just don't

1174
00:54:48,530 --> 00:54:52,010
arise out of nowhere and for many

1175
00:54:50,570 --> 00:54:54,170
thousands of years philosophy and

1176
00:54:52,010 --> 00:54:56,360
science were one and the same thing it's

1177
00:54:54,170 --> 00:54:59,300
a shame that that little duality

1178
00:54:56,360 --> 00:55:03,500
happened exactly and now you'd never

1179
00:54:59,300 --> 00:55:03,860
know that they were twins did you at

1180
00:55:03,500 --> 00:55:05,420
first

1181
00:55:03,860 --> 00:55:09,769
but did you read that book by year

1182
00:55:05,420 --> 00:55:12,110
Wilson conciliar did that was that that

1183
00:55:09,769 --> 00:55:15,139

is one of the really unrecognized

1184

00:55:12,110 --> 00:55:18,110

geniuses absolutely it was a wonderful

1185

00:55:15,139 --> 00:55:20,980

book and back in the 60s he he was

1186

00:55:18,110 --> 00:55:24,800

talking about this back in the 60s about

1187

00:55:20,980 --> 00:55:28,579

bio and environmentalism and the effects

1188

00:55:24,800 --> 00:55:31,370

of all that really yes he's a one

1189

00:55:28,579 --> 00:55:35,239

for conservation biologists and you know

1190

00:55:31,369 --> 00:55:37,190

I'm honored to share the same title with

1191

00:55:35,239 --> 00:55:39,229

him or description that of being a

1192

00:55:37,190 --> 00:55:41,720

conservation biologist well and you talk

1193

00:55:39,230 --> 00:55:44,570

about how the world has changed too and

1194

00:55:41,719 --> 00:55:47,719

he was talking about his boyhood how he

1195

00:55:44,570 --> 00:55:50,090

would go out and just you know bring

1196

00:55:47,719 --> 00:55:52,629

home ants and frogs and every other

1197

00:55:50,090 --> 00:55:55,519

living thing and his mother used to

1198
00:55:52,630 --> 00:55:57,980
probably run for the hills but you know

1199
00:55:55,519 --> 00:55:59,809
the children just don't do that anymore

1200
00:55:57,980 --> 00:56:03,260
you know they you'd be hard-pressed to

1201
00:55:59,809 --> 00:56:07,099
find a frog today yeah but you know I

1202
00:56:03,260 --> 00:56:09,770
mean how he was he was just by nature he

1203
00:56:07,099 --> 00:56:11,690
was a biologist and a fuel biologist and

1204
00:56:09,769 --> 00:56:13,400
he'd just go out there and hunt these

1205
00:56:11,690 --> 00:56:16,250
things out and just try to figure out

1206
00:56:13,400 --> 00:56:18,610
and then his book on ants and all it you

1207
00:56:16,250 --> 00:56:20,719
know but you just don't get that

1208
00:56:18,610 --> 00:56:23,059
first-hand experience with nature

1209
00:56:20,719 --> 00:56:25,549
anymore everything's done in the lab and

1210
00:56:23,059 --> 00:56:27,799
it's down in a cellular level now or as

1211
00:56:25,550 --> 00:56:30,050
you said on a molecular level and and

1212
00:56:27,800 --> 00:56:32,150
you missed the whole picture maybe

1213
00:56:30,050 --> 00:56:34,940
that's part of the problem you're right

1214
00:56:32,150 --> 00:56:37,190
it's it's very uncommon for kids to

1215
00:56:34,940 --> 00:56:38,960
spend much time time outdoors anymore my

1216
00:56:37,190 --> 00:56:40,579
wife and I were just commenting less

1217
00:56:38,960 --> 00:56:43,220
than a week ago as we were looking out

1218
00:56:40,579 --> 00:56:46,269
the big south-facing windows on our

1219
00:56:43,219 --> 00:56:48,889
house on the homestead here and we saw

1220
00:56:46,269 --> 00:56:51,139
four of the neighborhood kids run by

1221
00:56:48,889 --> 00:56:53,299
along the irrigation ditch the big

1222
00:56:51,139 --> 00:56:55,579
irrigation ditch that is about a hundred

1223
00:56:53,300 --> 00:56:57,560
feet in front of the house and and they

1224
00:56:55,579 --> 00:57:00,710
were jumping into the ditch and grabbing

1225
00:56:57,559 --> 00:57:03,049
frogs and bugs and so on and it occurred

1226

00:57:00,710 --> 00:57:05,510
to us that this is the only place we've

1227
00:57:03,050 --> 00:57:08,420
seen that yeah it's sort of activity

1228
00:57:05,510 --> 00:57:10,460
since we were children ourselves yeah

1229
00:57:08,420 --> 00:57:13,639
you know and that's been a long time

1230
00:57:10,460 --> 00:57:16,760
since we were children ourselves it's

1231
00:57:13,639 --> 00:57:19,609
been 40 years since we were doing that

1232
00:57:16,760 --> 00:57:21,740
yeah and we haven't seen it along the

1233
00:57:19,610 --> 00:57:23,480
way any of the many places we've lived

1234
00:57:21,739 --> 00:57:24,919
we haven't seen that and we've lived

1235
00:57:23,480 --> 00:57:26,960
into urban areas and we've lived in

1236
00:57:24,920 --> 00:57:28,700
rural areas and so there's something

1237
00:57:26,960 --> 00:57:31,630
really quite special about this place

1238
00:57:28,699 --> 00:57:33,859
and about the the high level of rurality

1239
00:57:31,630 --> 00:57:37,190
associated this is a very rural place

1240
00:57:33,860 --> 00:57:39,680

and and kids kids are not only allowed

1241
00:57:37,190 --> 00:57:41,480
to go outside they're encouraged to go

1242
00:57:39,679 --> 00:57:42,618
outside and spend time there well that's

1243
00:57:41,480 --> 00:57:44,838
one

1244
00:57:42,619 --> 00:57:46,849
it's free-range children well well

1245
00:57:44,838 --> 00:57:48,558
that's that's human habitat and I think

1246
00:57:46,849 --> 00:57:51,170
that's what we've gotten away from I may

1247
00:57:48,559 --> 00:57:53,660
forget global climate change I mean just

1248
00:57:51,170 --> 00:57:56,749
as you said civilization itself has

1249
00:57:53,659 --> 00:57:59,449
encroached on habitats because children

1250
00:57:56,748 --> 00:58:01,548
to still go I'm sure it happened to you

1251
00:57:59,449 --> 00:58:03,649
too for sure when school was out you

1252
00:58:01,548 --> 00:58:05,748
know you got your your bowl of

1253
00:58:03,650 --> 00:58:07,548
cornflakes in the morning and we're

1254
00:58:05,748 --> 00:58:09,980
expected home around when it got dark

1255
00:58:07,548 --> 00:58:12,108
right right did not come home until then

1256
00:58:09,980 --> 00:58:14,329
right and got your water looking at her

1257
00:58:12,108 --> 00:58:17,358
puddles I am always telling my clients

1258
00:58:14,329 --> 00:58:21,440
to bring their children to nature in

1259
00:58:17,358 --> 00:58:24,730
some way because kids are just stuck

1260
00:58:21,440 --> 00:58:28,639
with that stupid game you know advice

1261
00:58:24,730 --> 00:58:31,219
you look devices and I'm not given any

1262
00:58:28,639 --> 00:58:36,650
freedom whatsoever to learn on their own

1263
00:58:31,219 --> 00:58:37,879
and it is it is kind of criminal before

1264
00:58:36,650 --> 00:58:42,289
we let you go

1265
00:58:37,880 --> 00:58:46,130
and speaking somewhat of the different

1266
00:58:42,289 --> 00:58:48,140
parts of science being not meeting one

1267
00:58:46,130 --> 00:58:51,410
another somewhere and and in the

1268
00:58:48,139 --> 00:58:54,858
research are you aware that the

1269
00:58:51,409 --> 00:58:57,649
gentleman from your University I think

1270
00:58:54,858 --> 00:59:00,440
last name of Krause came up with a

1271
00:58:57,650 --> 00:59:02,599
digital wave he measured digital waves

1272
00:59:00,440 --> 00:59:06,318
coming from the United States of

1273
00:59:02,599 --> 00:59:09,079
gravitation gravitational waves crosses

1274
00:59:06,318 --> 00:59:10,400
crosses at Arizona State University I am

1275
00:59:09,079 --> 00:59:11,989
affiliated with the University of

1276
00:59:10,400 --> 00:59:13,730
Arizona I'm professor emeritus at the

1277
00:59:11,989 --> 00:59:17,088
University of Arizona but I made that

1278
00:59:13,730 --> 00:59:20,630
mistake no no it's fine but yes I'm

1279
00:59:17,088 --> 00:59:26,389
familiar with his work and and he's one

1280
00:59:20,630 --> 00:59:31,789
of the shining lights of the what's

1281
00:59:26,389 --> 00:59:34,818
called the secular humanism movement of

1282
00:59:31,789 --> 00:59:38,269
the skeptics movement because of the

1283

00:59:34,818 --> 00:59:40,099
research research he does I've heard his

1284
00:59:38,268 --> 00:59:42,048
name before but I just heard that he

1285
00:59:40,099 --> 00:59:45,349
discovered something interesting about

1286
00:59:42,048 --> 00:59:48,710
gravitational waves emanating fraud that

1287
00:59:45,349 --> 00:59:50,480
makes gravitation a wave rather than

1288
00:59:48,710 --> 00:59:53,119
another sort of property and somehow

1289
00:59:50,480 --> 00:59:54,300
this is upsetting the entire apple cart

1290
00:59:53,119 --> 00:59:56,850
of

1291
00:59:54,300 --> 00:59:59,460
for that type of science but we'll leave

1292
00:59:56,849 --> 01:00:01,799
that for another shattered reality we

1293
00:59:59,460 --> 01:00:04,349
can have professor Krauss on to defend

1294
01:00:01,800 --> 01:00:07,380
maybe maybe not

1295
01:00:04,349 --> 01:00:11,099
but thank you so much you've been a

1296
01:00:07,380 --> 01:00:13,559
wonderful guest and I I cannot thank you

1297
01:00:11,099 --> 01:00:17,699

enough and we hope that our listeners

1298

01:00:13,559 --> 01:00:20,070

will go to your website

1299

01:00:17,699 --> 01:00:22,319

beyond hi Macpherson calm and listen to

1300

01:00:20,070 --> 01:00:24,930

nature bats last I've listened to a few

1301

01:00:22,320 --> 01:00:27,390

of them and they are very very

1302

01:00:24,929 --> 01:00:29,699

illuminating thank you so much yeah

1303

01:00:27,389 --> 01:00:31,980

really was really fascinating I really

1304

01:00:29,699 --> 01:00:33,389

appreciate it thank you both I very much

1305

01:00:31,980 --> 01:00:38,030

appreciate it as well it's been a real

1306

01:00:33,389 --> 01:00:38,029

honor it's same here okay bye-bye now

1307

01:00:38,329 --> 01:00:44,549

to finish up today on a different note

1308

01:00:42,630 --> 01:00:47,519

first of all I want to thank our

1309

01:00:44,550 --> 01:00:49,200

wonderful engineer Bill Murray DS for

1310

01:00:47,519 --> 01:00:52,820

the great job that he does for us here

1311

01:00:49,199 --> 01:00:57,239

at shattered reality but we have another

1312
01:00:52,820 --> 01:01:01,380
another interesting little PostScript

1313
01:00:57,239 --> 01:01:08,219
here that one of our listeners has a

1314
01:01:01,380 --> 01:01:11,519
very nicely told me a story of her

1315
01:01:08,219 --> 01:01:14,250
bilocation experiences she did not know

1316
01:01:11,519 --> 01:01:18,150
that what had happened to her was called

1317
01:01:14,250 --> 01:01:20,460
bilocation which is one by location is

1318
01:01:18,150 --> 01:01:22,470
being in two places at one time or

1319
01:01:20,460 --> 01:01:23,250
appearing to be in two places at one

1320
01:01:22,469 --> 01:01:26,849
time

1321
01:01:23,250 --> 01:01:29,460
and it's something that is goes back in

1322
01:01:26,849 --> 01:01:31,380
the literature there are examples of it

1323
01:01:29,460 --> 01:01:34,530
in the nineteenth century kind of

1324
01:01:31,380 --> 01:01:37,170
psychic literature of the the British

1325
01:01:34,530 --> 01:01:39,480
psychic Research Institute and so forth

1326
01:01:37,170 --> 01:01:43,440
I can't bring up any exempt ones of

1327
01:01:39,480 --> 01:01:47,730
those though I think that Douglas Hume

1328
01:01:43,440 --> 01:01:51,030
spelled home2 had had had some

1329
01:01:47,730 --> 01:01:54,590
experiences with by location but this

1330
01:01:51,030 --> 01:01:59,280
listener who is also my friend

1331
01:01:54,590 --> 01:02:01,350
she comes from Romania and she came here

1332
01:01:59,280 --> 01:02:03,269
as a young adult to the United States

1333
01:02:01,349 --> 01:02:05,969
over the age of 20 she had already

1334
01:02:03,269 --> 01:02:07,719
graduated from university and so forth

1335
01:02:05,969 --> 01:02:09,219
but she lived in Romania

1336
01:02:07,719 --> 01:02:11,739
I would say at least for the first 25

1337
01:02:09,219 --> 01:02:15,399
years of her life and in her

1338
01:02:11,739 --> 01:02:21,419
professional career she was a geologist

1339
01:02:15,400 --> 01:02:24,010
and did a lot of work as a surveyor in

1340

01:02:21,420 --> 01:02:30,099
as a as a graduate student than a

1341
01:02:24,010 --> 01:02:34,660
surveyor and she was on a trip uh there

1342
01:02:30,099 --> 01:02:36,640
are two different experiences of

1343
01:02:34,659 --> 01:02:39,309
bilocation that she had I'm gonna read

1344
01:02:36,639 --> 01:02:41,710
them okay from my notes here which is

1345
01:02:39,309 --> 01:02:45,608
directly from her on a trip to the

1346
01:02:41,710 --> 01:02:48,369
seaside spent she spent an evening with

1347
01:02:45,608 --> 01:02:52,090
an old friend reminiscing about things

1348
01:02:48,369 --> 01:02:54,608
and smoking a bit too much she says she

1349
01:02:52,090 --> 01:02:56,608
doesn't tolerate smoking well and at the

1350
01:02:54,608 --> 01:02:59,619
end of the day was feeling very

1351
01:02:56,608 --> 01:03:03,130
nauseated and out of sorts she went to

1352
01:02:59,619 --> 01:03:06,130
bed feeling very lousy the following day

1353
01:03:03,130 --> 01:03:08,920
she went home and her grandmother who

1354
01:03:06,130 --> 01:03:11,980

lived with her in the same house said

1355

01:03:08,920 --> 01:03:14,920

that she had seen her passing through

1356

01:03:11,980 --> 01:03:17,469

her bedroom during the night white late

1357

01:03:14,920 --> 01:03:20,320

at night and that the grandmother spoke

1358

01:03:17,469 --> 01:03:22,569

to her and she didn't respond and she

1359

01:03:20,320 --> 01:03:26,080

thought that my friend had been

1360

01:03:22,570 --> 01:03:30,190

extremely rude now we all know about

1361

01:03:26,079 --> 01:03:33,639

walking in your sleep but she was many

1362

01:03:30,190 --> 01:03:36,070

kilometers away at the seaside and there

1363

01:03:33,639 --> 01:03:37,838

was no way she could have walked home as

1364

01:03:36,070 --> 01:03:39,970

a sleepwalker and walked through her

1365

01:03:37,838 --> 01:03:42,130

grandmother's bedroom well we could say

1366

01:03:39,969 --> 01:03:45,309

this was an elderly lady should have

1367

01:03:42,130 --> 01:03:48,510

been taken whatever however the second

1368

01:03:45,309 --> 01:03:51,099

experience she had tops the first

1369
01:03:48,510 --> 01:03:53,640
remember I told you she was a geologist

1370
01:03:51,099 --> 01:03:56,650
and did surveying so forth so on a

1371
01:03:53,639 --> 01:03:59,529
geological field trip assignment to make

1372
01:03:56,650 --> 01:04:03,670
a map of a river valley in a remote area

1373
01:03:59,530 --> 01:04:05,680
of guess where Romania Transylvania okay

1374
01:04:03,670 --> 01:04:10,930
which is of course in Romania and

1375
01:04:05,679 --> 01:04:13,210
Bulgaria - both - both countries but in

1376
01:04:10,929 --> 01:04:15,519
in a remote area in Transylvania on a

1377
01:04:13,210 --> 01:04:18,400
River Vale valley they were working in

1378
01:04:15,519 --> 01:04:20,889
groups of three on the day that this

1379
01:04:18,400 --> 01:04:21,360
happened she had stayed behind in her

1380
01:04:20,889 --> 01:04:24,759
hotel

1381
01:04:21,360 --> 01:04:27,370
SiC with the bad Colt and never leaving

1382
01:04:24,760 --> 01:04:30,070
the room now bear in mind again the

1383
01:04:27,369 --> 01:04:32,380
hotel room is not at the same location

1384
01:04:30,070 --> 01:04:34,600
as the remote River Valley they had to

1385
01:04:32,380 --> 01:04:36,940
take a jeep for some such vehicle up

1386
01:04:34,599 --> 01:04:40,960
into the River Valley and it was far

1387
01:04:36,940 --> 01:04:44,409
away from right no sidewalks shall we

1388
01:04:40,960 --> 01:04:47,260
say so she stayed home and her two

1389
01:04:44,409 --> 01:04:50,589
colleagues came back from the long trip

1390
01:04:47,260 --> 01:04:54,040
and they were very mad at her asking

1391
01:04:50,590 --> 01:04:57,309
what she was doing on the opposite

1392
01:04:54,039 --> 01:04:59,440
riverbank that day now again I have to

1393
01:04:57,309 --> 01:05:01,599
say there aren't any people to speak of

1394
01:04:59,440 --> 01:05:04,119
in this River Valley there you know the

1395
01:05:01,599 --> 01:05:07,690
idea of seeing one person would be a lot

1396
01:05:04,119 --> 01:05:10,839
and it would probably be some villager

1397

01:05:07,690 --> 01:05:13,269
or not look like my friend who is a

1398
01:05:10,840 --> 01:05:14,860
modern woman with makeup you know the

1399
01:05:13,269 --> 01:05:18,039
whole nine yards

1400
01:05:14,860 --> 01:05:21,940
so that's interesting she said twice

1401
01:05:18,039 --> 01:05:25,179
then twice and she said that the being

1402
01:05:21,940 --> 01:05:28,240
that was seen did not even answer hmm

1403
01:05:25,179 --> 01:05:31,359
when they waved at her when I when she

1404
01:05:28,239 --> 01:05:33,879
protested saying I did not go out that

1405
01:05:31,360 --> 01:05:36,099
day at all both of them said that they

1406
01:05:33,880 --> 01:05:39,579
had seen me and described the clothes

1407
01:05:36,099 --> 01:05:42,159
that she was wearing in the field which

1408
01:05:39,579 --> 01:05:44,889
was flaming red pants and a striped

1409
01:05:42,159 --> 01:05:46,839
t-shirt hard to be mistaken for anyone

1410
01:05:44,889 --> 01:05:49,949
else since that was the same clothes she

1411
01:05:46,840 --> 01:05:49,950

was wearing then huh

1412

01:05:50,789 --> 01:05:55,960
they said that she seemed to be

1413

01:05:53,110 --> 01:05:59,079
completely ignoring them and just

1414

01:05:55,960 --> 01:06:01,059
continued walking and and she says here

1415

01:05:59,079 --> 01:06:03,900
it could hardly have been someone else

1416

01:06:01,059 --> 01:06:06,759
since this was a geological and

1417

01:06:03,900 --> 01:06:10,480
experiment in an unpopulated and

1418

01:06:06,760 --> 01:06:12,580
deserted part of the mountain so there

1419

01:06:10,480 --> 01:06:15,250
you go that is kind of a very

1420

01:06:12,579 --> 01:06:18,610
interesting first-hand description of

1421

01:06:15,250 --> 01:06:21,670
something paranormal happening to one of

1422

01:06:18,610 --> 01:06:23,650
our our listeners here and she also

1423

01:06:21,670 --> 01:06:28,900
reports and we've talked about this

1424

01:06:23,650 --> 01:06:31,119
together the commonalities of the two

1425

01:06:28,900 --> 01:06:33,400
events were not feeling well probably

1426
01:06:31,119 --> 01:06:34,659
wishing she was somewhere else not

1427
01:06:33,400 --> 01:06:37,720
speaking when

1428
01:06:34,659 --> 01:06:40,329
spoken to with her grandmother's she

1429
01:06:37,719 --> 01:06:42,939
says the thought about her being old and

1430
01:06:40,329 --> 01:06:45,489
imagining things comes up but when both

1431
01:06:42,940 --> 01:06:48,250
of her colleagues couldn't swear that

1432
01:06:45,489 --> 01:06:50,529
they saw her she became very curious

1433
01:06:48,250 --> 01:06:52,809
about what it all means

1434
01:06:50,530 --> 01:06:54,790
in addition and somewhat related she

1435
01:06:52,809 --> 01:06:57,429
says during college in the classroom

1436
01:06:54,789 --> 01:07:00,279
frantically taking notes when all of a

1437
01:06:57,429 --> 01:07:03,190
sudden she could see the entire room as

1438
01:07:00,280 --> 01:07:05,800
if she were viewing it from the ceiling

1439
01:07:03,190 --> 01:07:08,050
above she saw herself bent over her

1440
01:07:05,800 --> 01:07:12,160
notebook writing and at the same time

1441
01:07:08,050 --> 01:07:14,289
thinking is this effort worth it and the

1442
01:07:12,159 --> 01:07:21,119
bigger scheme of things all this school

1443
01:07:14,289 --> 01:07:23,739
work effort she tried to she tried to

1444
01:07:21,119 --> 01:07:28,809
she tried to replicate it but could not

1445
01:07:23,739 --> 01:07:31,539
okay so interesting yeah huh so thank

1446
01:07:28,809 --> 01:07:33,909
you Adriana for sharing that with us and

1447
01:07:31,539 --> 01:07:36,369
I was gonna say please if anyone else

1448
01:07:33,909 --> 01:07:38,980
has experiences like this please let us

1449
01:07:36,369 --> 01:07:42,069
know and how would they get that into us

1450
01:07:38,980 --> 01:07:45,280
well they can go to either one of our

1451
01:07:42,070 --> 01:07:48,190
websites write shattered reality dot-com

1452
01:07:45,280 --> 01:07:53,550
or shattered reality dot wordpress.com

1453
01:07:48,190 --> 01:07:56,860
and make a comment on any of our podcast

1454

01:07:53,550 --> 01:07:58,780
areas and I will definitely get it and

1455
01:07:56,860 --> 01:08:01,329
especially with Professor Macpherson's

1456
01:07:58,780 --> 01:08:03,160
comments today I mean that it's got in

1457
01:08:01,329 --> 01:08:05,170
it given somebody out there a few

1458
01:08:03,159 --> 01:08:07,210
thoughts about things we'd love to know

1459
01:08:05,170 --> 01:08:10,210
what they are we've gotten a few

1460
01:08:07,210 --> 01:08:12,550
comments recently but nothing that I can

1461
01:08:10,210 --> 01:08:14,980
really elucidate to any great extent

1462
01:08:12,550 --> 01:08:16,659
here at this juncture I don't have them

1463
01:08:14,980 --> 01:08:20,020
in front of me they're nothing pertinent

1464
01:08:16,659 --> 01:08:21,729
to today's podcast which I was it's

1465
01:08:20,020 --> 01:08:23,280
really something that you have to give

1466
01:08:21,729 --> 01:08:26,439
some thought to what do you think I

1467
01:08:23,279 --> 01:08:27,699
don't want to think about it because you

1468
01:08:26,439 --> 01:08:29,409

know if it's gonna happen it's gonna

1469

01:08:27,699 --> 01:08:31,179

happen it's like yes you may be in an

1470

01:08:29,409 --> 01:08:33,210

automobile accident someday but do you

1471

01:08:31,180 --> 01:08:36,760

plan your whole life around as he said

1472

01:08:33,210 --> 01:08:39,250

it's gonna happen we are gonna die maybe

1473

01:08:36,760 --> 01:08:40,810

we all die on Mars so maybe singly but

1474

01:08:39,250 --> 01:08:44,140

even it's gonna happen sooner or later

1475

01:08:40,810 --> 01:08:46,720

so what time you have enjoy I'm reminded

1476

01:08:44,140 --> 01:08:48,548

of the peanuts the pea comic you know by

1477

01:08:46,720 --> 01:08:51,960

Schultz at all shows yeah

1478

01:08:48,548 --> 01:08:55,179

and it's a picture of it's a picture of

1479

01:08:51,960 --> 01:08:58,420

Snoopy and Charlie Brown sitting

1480

01:08:55,179 --> 01:09:00,279

side-by-side on a on a hillside looking

1481

01:08:58,420 --> 01:09:03,069

out at the nature and so forth and

1482

01:09:00,279 --> 01:09:06,309

Charlie Brown looks very very serious

1483
01:09:03,069 --> 01:09:08,798
and he says Snoopy someday I'm going to

1484
01:09:06,309 --> 01:09:11,469
die mm-hmm and he's very sad

1485
01:09:08,798 --> 01:09:14,588
Snoopy looks at him and says other days

1486
01:09:11,469 --> 01:09:17,710
you're not that's a happy note

1487
01:09:14,588 --> 01:09:20,528
let's end this podcast on a happy note

1488
01:09:17,710 --> 01:09:22,328
okay all right thank you so much for

1489
01:09:20,529 --> 01:09:25,449
listening Cape Valentine here saying

1490
01:09:22,328 --> 01:09:28,710
goodbye and for Russia thank you so much

1491
01:09:25,448 --> 01:09:28,710
and have a great

1492
01:09:48,270 --> 01:09:50,330
you