



***FADE to BLACK***

Jimmy Church w/ Gregg Housh

1  
00:02:38,270 --> 00:02:35,270  
the smoke radio

2  
00:02:39,830 --> 00:02:38,280  
for the masses headline edition july 8

3  
00:02:41,750 --> 00:02:39,840  
1947

4  
00:02:43,509 --> 00:02:41,760  
the army air forces has announced that a

5  
00:02:45,910 --> 00:02:43,519  
flying beast has been found

6  
00:02:47,270 --> 00:02:45,920  
and is now in the possession of the army

7  
00:02:50,630 --> 00:02:47,280  
if the game is rigged

8  
00:02:53,750 --> 00:02:50,640  
change the game game changer

9  
00:02:55,750 --> 00:02:53,760  
i occasionally think how quickly our

10  
00:02:58,790 --> 00:02:55,760  
differences worldwide

11  
00:02:59,589 --> 00:02:58,800  
would vanish if we were facing an alien

12  
00:03:05,990 --> 00:02:59,599  
threat

13  
00:03:09,910 --> 00:03:08,790

this is fade to black with your host

14

00:03:12,390 --> 00:03:09,920

jimmy church

15

00:03:13,509 --> 00:03:12,400

on the game changer radio network and

16

00:03:18,309 --> 00:03:13,519

kgra

17

00:03:21,309 --> 00:03:18,319

the global radio alliance

18

00:03:27,350 --> 00:03:21,319

i need your help to get to the year

19

00:03:39,030 --> 00:03:29,430

you're listening to fate to black with

20

00:03:39,040 --> 00:03:45,110

good evening yeah man fade to black

21

00:03:52,869 --> 00:03:48,229

bespoke radio

22

00:03:52,879 --> 00:03:57,110

masses

23

00:04:01,229 --> 00:03:59,270

how you doing today's wednesday

24

00:04:03,830 --> 00:04:01,239

september 23

25

00:04:10,750 --> 00:04:03,840

2020. let's do this

26

00:04:18,469 --> 00:04:13,350

267 days into the new year

27

00:04:21,909 --> 00:04:18,479

only 99 days left that's right

28

00:04:23,510 --> 00:04:21,919

we are live from a bunker

29

00:04:25,990 --> 00:04:23,520

a bunker that is somewhere in the middle

30

00:04:27,830 --> 00:04:26,000

of beautiful downtown burbank california

31

00:04:31,030 --> 00:04:27,840

and i would like to welcome everybody

32

00:04:35,749 --> 00:04:31,040

listening all around the world

33

00:04:39,189 --> 00:04:35,759

all across the united states

34

00:04:41,430 --> 00:04:39,199

hither and tether to and fro

35

00:04:42,469 --> 00:04:41,440

back and forth up and down east and west

36

00:04:46,070 --> 00:04:42,479

north and south

37

00:04:51,350 --> 00:04:48,629

this is fade to black for kjcr the game

38

00:04:55,030 --> 00:04:51,360

changer network and kg ra the planet i

39

00:05:01,749 --> 00:04:58,310

what is cracking everybody how you doing

40

00:05:09,350 --> 00:05:05,510

in america yeah man all right

41

00:05:12,070 --> 00:05:09,360

tonight back with this

42

00:05:13,670 --> 00:05:12,080

one of my favorite guests tonight greg

43

00:05:20,310 --> 00:05:13,680

house

44

00:05:23,189 --> 00:05:20,320

artificial intelligence and singularity

45

00:05:23,830 --> 00:05:23,199

more on that in just a minute tomorrow

46

00:05:27,670 --> 00:05:23,840

night is

47

00:05:31,189 --> 00:05:27,680

another fader night with open lines

48

00:05:33,749 --> 00:05:31,199

all night long i bet you can't wait for

49

00:05:36,950 --> 00:05:33,759

that kenya

50

00:05:37,590 --> 00:05:36,960

now i know that you can't i know that

51

00:05:39,749 --> 00:05:37,600

you can

52

00:05:41,430 --> 00:05:39,759

uh before we get started tonight i just

53

00:05:43,029 --> 00:05:41,440

wanted to say that

54

00:05:44,710 --> 00:05:43,039

i keep going back and i've mentioned

55

00:05:47,830 --> 00:05:44,720

this so many times over the years

56

00:05:52,590 --> 00:05:47,840

but i have got to give mad

57

00:05:55,670 --> 00:05:52,600

props to hacksaw hamilton

58

00:05:59,189 --> 00:05:55,680

hacksaw hamilton out of

59

00:06:02,469 --> 00:05:59,199

all of the radio broadcasters that

60

00:06:06,230 --> 00:06:02,479

brought me here over the years yeah

61

00:06:09,909 --> 00:06:06,240

long john neville yeah yeah dave jenkins

62

00:06:12,950 --> 00:06:09,919

uh back on kebc here in los angeles

63

00:06:16,710 --> 00:06:12,960

but uh hack saw hamilton and

64

00:06:20,230 --> 00:06:16,720

back in the day i'm talking about

65

00:06:23,749 --> 00:06:20,240

back in the day 98

66

00:06:27,029 --> 00:06:23,759

93 94 95. during that

67

00:06:30,550 --> 00:06:27,039

era coast to coast was just starting

68

00:06:34,309 --> 00:06:30,560

and so that doesn't really count but

69

00:06:39,749 --> 00:06:34,319

before that and during that

70

00:06:45,990 --> 00:06:42,790

station down in san diego

71

00:06:49,589 --> 00:06:46,000

that was powerful and i could listen to

72

00:06:53,189 --> 00:06:49,599

it all the way from san diego

73

00:06:56,390 --> 00:06:53,199

and uh mexico the border all the way

74

00:06:57,909 --> 00:06:56,400

up to los angeles and nearly into my

75

00:06:59,510 --> 00:06:57,919

driveway by the time i made it to

76

00:07:01,749 --> 00:06:59,520

sherman oaks and made it over the hill

77

00:07:03,350 --> 00:07:01,759

started to get a little weak but uh

78

00:07:04,390 --> 00:07:03,360

there were a lot of great things on that

79

00:07:08,150 --> 00:07:04,400

station

80

00:07:10,070 --> 00:07:08,160

and uh one of the cats

81

00:07:11,990 --> 00:07:10,080

one of the cats instrumental in

82

00:07:15,189 --> 00:07:12,000

everything i just loved them so much

83

00:07:17,990 --> 00:07:15,199

was hacksaw hamilton and

84

00:07:18,950 --> 00:07:18,000

his show was amazing first off but it

85

00:07:21,510 --> 00:07:18,960

was the first

86

00:07:26,150 --> 00:07:21,520

10 minutes of his show the fastest 10

87

00:07:32,790 --> 00:07:29,589

oh man and he would do this intro

88

00:07:33,670 --> 00:07:32,800

every single day year after year uh by

89

00:07:37,510 --> 00:07:33,680

this

90

00:07:41,830 --> 00:07:37,520

uh from san bernardino from el cajon

91

00:07:45,909 --> 00:07:44,070

and he would do this thing and and it

92

00:07:51,589 --> 00:07:45,919

always stuck with me

93

00:07:53,909 --> 00:07:51,599

that's where that whole north and south

94

00:07:55,350 --> 00:07:53,919

far near comes from and that is well the

95

00:07:58,469 --> 00:07:55,360

hither until there is fear of

96

00:07:59,350 --> 00:07:58,479

black hat but but that whole thing is

97

00:08:04,070 --> 00:07:59,360

the spirit

98

00:08:06,950 --> 00:08:04,080

i just had to do it i had to uh

99

00:08:08,710 --> 00:08:06,960

somebody popped me up a picture of

100

00:08:12,790 --> 00:08:08,720

hacksaw hamilton

101

00:08:16,230 --> 00:08:12,800

uh here in los angeles when uh

102

00:08:18,790 --> 00:08:16,240

uh the chargers scored a touchdown

103

00:08:20,230 --> 00:08:18,800

uh during a super bowl i think or maybe

104

00:08:22,629 --> 00:08:20,240

it was the playoffs

105

00:08:23,350 --> 00:08:22,639

but there was a sound bite he's calling

106

00:08:26,309 --> 00:08:23,360

the game

107

00:08:26,790 --> 00:08:26,319

as a sportscaster but you heard it here

108

00:08:33,029 --> 00:08:26,800

in los

109

00:08:38,070 --> 00:08:35,909

it was just played over and over again

110

00:08:41,750 --> 00:08:38,080

radio and television it was just

111

00:08:44,870 --> 00:08:41,760

everywhere hack saw hamilton

112

00:08:46,949 --> 00:08:44,880

and uh i think he's he was voice of the

113

00:08:48,710 --> 00:08:46,959

raiders for a while he left san diego

114

00:08:50,949 --> 00:08:48,720

went up to oakland

115

00:08:52,949 --> 00:08:50,959

um might have followed them to los

116

00:08:56,310 --> 00:08:52,959

angeles for a minute i think or he

117

00:08:57,829 --> 00:08:56,320

you know it's confusing to me now but

118

00:09:00,230 --> 00:08:57,839

i'm wondering if he's still doing the

119

00:09:02,710 --> 00:09:00,240

raiders hacksaw rocks

120

00:09:03,269 --> 00:09:02,720

you know hacksaw hacksaw rock man he's

121

00:09:06,070 --> 00:09:03,279

just an

122

00:09:08,230 --> 00:09:06,080

incredible incredible radio broadcaster

123

00:09:11,670 --> 00:09:08,240

the fastest 10 minutes in radio

124

00:09:12,949 --> 00:09:11,680

hacksaws headlines and he would bust it

125

00:09:15,350 --> 00:09:12,959

out man

126

00:09:16,550 --> 00:09:15,360

he would bust it out i couldn't wait for

127

00:09:19,430 --> 00:09:16,560

hacksaw hamilton

128

00:09:20,470 --> 00:09:19,440

every single day set my clock to it

129

00:09:23,190 --> 00:09:20,480

there's hacksaw

130

00:09:25,430 --> 00:09:23,200

thank you so much that that that guy

131

00:09:28,710 --> 00:09:25,440

right there is legend

132

00:09:32,470 --> 00:09:28,720

that guy right there that guy right

133

00:09:35,990 --> 00:09:35,269

all right all right where am i at i'm in

134

00:09:37,990 --> 00:09:36,000

a great mood

135

00:09:39,910 --> 00:09:38,000

greg house is here tonight and he puts

136

00:09:43,670 --> 00:09:39,920

me in a great mood he is

137

00:09:45,509 --> 00:09:43,680

um so smart uh before we get to greg

138

00:09:48,389 --> 00:09:45,519

and everything else tonight um i'll say

139

00:09:50,949 --> 00:09:48,399

this i remember

140

00:09:51,430 --> 00:09:50,959

greg and i were on our way to a film

141

00:09:55,509 --> 00:09:51,440

shoot

142

00:09:59,030 --> 00:09:55,519

hudson river

143

00:10:03,269 --> 00:09:59,040

in manhattan under a bridge um we were

144

00:10:06,389 --> 00:10:03,279

on our way uh i think we were in a cab

145

00:10:07,829 --> 00:10:06,399

i don't think we were in a crew car or

146

00:10:09,829 --> 00:10:07,839

or anything like that i can't remember

147

00:10:13,910 --> 00:10:09,839

but anyway we're in the back seat

148

00:10:17,110 --> 00:10:13,920

and we were talking about

149

00:10:18,069 --> 00:10:17,120

uh artificial intelligence and a little

150

00:10:22,069 --> 00:10:18,079

bit about hacking

151

00:10:25,430 --> 00:10:22,079

but more about the matrix and

152

00:10:28,550 --> 00:10:25,440

and uh how the matrix

153

00:10:30,310 --> 00:10:28,560

was presented and and of course

154

00:10:32,310 --> 00:10:30,320

uh the possibility of living in the

155

00:10:34,069 --> 00:10:32,320

matrix but artificial intelligence and

156

00:10:35,990 --> 00:10:34,079

the creator of worlds and

157

00:10:37,750 --> 00:10:36,000

and the singularity and it was a deep

158

00:10:41,190 --> 00:10:37,760

conversation and

159

00:10:44,310 --> 00:10:41,200

and it was great but greg

160

00:10:47,350 --> 00:10:44,320

is a student of the game and

161

00:10:50,949 --> 00:10:47,360

it was everything i was firing off adam

162

00:10:52,790 --> 00:10:50,959

he had a way of explaining this and

163

00:10:54,630 --> 00:10:52,800

answering he just knows so much he's

164

00:10:58,150 --> 00:10:54,640

such a wealth of knowledge

165

00:11:01,910 --> 00:10:58,160

and his his knowledge extends

166

00:11:03,590 --> 00:11:01,920

uh so far beyond computers it is culture

167

00:11:07,190 --> 00:11:03,600

it's the united states it's

168

00:11:11,030 --> 00:11:07,200

uh politics and religion and and

169

00:11:12,389 --> 00:11:11,040

our future and he's got a a right he

170

00:11:15,910 --> 00:11:12,399

knows history

171

00:11:17,910 --> 00:11:15,920

he's got a really solid foundation on

172

00:11:20,230 --> 00:11:17,920

where he thinks the world is headed and

173

00:11:21,030 --> 00:11:20,240

why and us as a country too as well in

174

00:11:24,150 --> 00:11:21,040

the world

175

00:11:27,430 --> 00:11:24,160

um he is he's a fantastic guest and

176

00:11:28,550 --> 00:11:27,440

and the one thing though where greg

177

00:11:30,630 --> 00:11:28,560

excels

178

00:11:32,870 --> 00:11:30,640

i don't think we've ever done the show

179

00:11:35,430 --> 00:11:32,880

and that is artificial intelligence

180

00:11:36,150 --> 00:11:35,440

and singularity so stand by greg's going

181

00:11:38,790 --> 00:11:36,160

to be with us

182

00:11:40,310 --> 00:11:38,800

at the bottom of the hour all right as

183

00:11:41,269 --> 00:11:40,320

you can see i still have all the crystal

184

00:11:43,190 --> 00:11:41,279

skulls here in the

185

00:11:44,550 --> 00:11:43,200

in the studio i haven't bothered uh to

186

00:11:46,550 --> 00:11:44,560

remove them

187

00:11:47,670 --> 00:11:46,560

and if you would like your own crystal

188

00:11:50,710 --> 00:11:47,680

skull

189

00:11:55,829 --> 00:11:53,990

like jose look at jose you can go and

190

00:11:57,350 --> 00:11:55,839

get one right now visit einstein the

191

00:12:00,230 --> 00:11:57,360

crystal skull dot com

192

00:12:01,949 --> 00:12:00,240

carolyn ford carolyn ford einstein the

193

00:12:04,230 --> 00:12:01,959

crystal skull.com the links are over

194

00:12:05,430 --> 00:12:04,240

jimmychurchradio.com the promo code you

195

00:12:08,389 --> 00:12:05,440

need to use

196

00:12:09,990 --> 00:12:08,399

is jimmy and that will get you 10 off of

197

00:12:13,509 --> 00:12:10,000

your crystal skull order right

198

00:12:16,870 --> 00:12:13,519

now so head over you know you want one

199

00:12:20,069 --> 00:12:16,880

you know you do all right go visit

200

00:12:22,470 --> 00:12:20,079

carolyn ford follow me on twitter at j

201  
00:12:24,150 --> 00:12:22,480  
church radio uh greg and i were talking

202  
00:12:28,150 --> 00:12:24,160  
earlier uh

203  
00:12:31,269 --> 00:12:28,160  
about uh twitter he was

204  
00:12:35,750 --> 00:12:31,279  
he was he had the number one trending

205  
00:12:38,069 --> 00:12:35,760  
tweet today on twitter yeah

206  
00:12:39,910 --> 00:12:38,079  
imagine busting that that's greg house

207  
00:12:42,870 --> 00:12:39,920  
that's our guest today

208  
00:12:43,750 --> 00:12:42,880  
that's pretty cool that's that's that's

209  
00:12:45,829 --> 00:12:43,760  
pretty cool

210  
00:12:46,790 --> 00:12:45,839  
and that's something that's a feather in

211  
00:12:48,710 --> 00:12:46,800  
your cap

212  
00:12:50,069 --> 00:12:48,720  
uh but you can follow me on twitter at j

213  
00:12:51,190 --> 00:12:50,079

church radio you can also follow

214

00:12:54,550 --> 00:12:51,200

craighouse at

215

00:12:55,670 --> 00:12:54,560

house and uh he's got a pretty good

216

00:12:57,829 --> 00:12:55,680

following

217

00:12:59,670 --> 00:12:57,839

on twitter i think is he verified i

218

00:13:01,910 --> 00:12:59,680

haven't checked in a while

219

00:13:03,990 --> 00:13:01,920

i haven't checked all right follow me on

220

00:13:05,190 --> 00:13:04,000

twitter jaychurchradio hashtag f2b is

221

00:13:08,430 --> 00:13:05,200

the sandbox

222

00:13:11,670 --> 00:13:08,440

f2bq is fade to black

223

00:13:12,470 --> 00:13:11,680

questions all right let's get to the

224

00:13:19,269 --> 00:13:12,480

breaking news

225

00:13:21,750 --> 00:13:19,279

attacks on hamilton right the fastest 10

226

00:13:28,069 --> 00:13:21,760

minutes in radio

227

00:13:33,269 --> 00:13:31,750

uh jimmy's headlines i need a i need a

228

00:13:36,790 --> 00:13:33,279

nickname like hacksaw

229

00:13:40,150 --> 00:13:36,800

hacksaw hamilton chainsaw

230

00:13:45,430 --> 00:13:43,189

all right nick frost and simon pegg

231

00:13:46,790 --> 00:13:45,440

are reuniting for the supernatural

232

00:13:50,470 --> 00:13:46,800

comedy series

233

00:13:52,550 --> 00:13:50,480

truth seekers i'm not making this up

234

00:13:54,550 --> 00:13:52,560

this is a supernatural comedy series

235

00:13:55,750 --> 00:13:54,560

about a team of part-time paranormal

236

00:13:58,150 --> 00:13:55,760

investigators

237

00:14:00,470 --> 00:13:58,160

who team up to uncover and film ghost

238

00:14:04,470 --> 00:14:00,480

sightings across the united kingdom

239

00:14:07,509 --> 00:14:04,480

sharing their adventures on their online

240

00:14:10,150 --> 00:14:07,519

channel yeah this is

241

00:14:12,790 --> 00:14:10,160

this is news i've never even heard of

242

00:14:15,269 --> 00:14:12,800

doing something like this before

243

00:14:17,269 --> 00:14:15,279

just kidding while amazon has not yet

244

00:14:17,990 --> 00:14:17,279

announced a release date for truth

245

00:14:20,470 --> 00:14:18,000

seekers

246

00:14:22,949 --> 00:14:20,480

check this out all eight episodes of the

247

00:14:24,150 --> 00:14:22,959

super uh supernatural comedy series are

248

00:14:27,430 --> 00:14:24,160

confirmed to premiere

249

00:14:30,230 --> 00:14:27,440

sometime like now

250

00:14:31,430 --> 00:14:30,240

because the announcement is in the fall

251  
00:14:33,110 --> 00:14:31,440  
of 2020

252  
00:14:35,269 --> 00:14:33,120  
well i'll keep you posted what does that

253  
00:14:38,629 --> 00:14:35,279  
mean fall of 2020 we're at the

254  
00:14:39,829 --> 00:14:38,639  
end of september how fall do you have to

255  
00:14:44,550 --> 00:14:39,839  
get is october

256  
00:14:47,990 --> 00:14:44,560  
officially fall what is september

257  
00:14:49,509 --> 00:14:48,000  
isn't this late fall i mean next up is

258  
00:14:53,829 --> 00:14:49,519  
winter right

259  
00:14:56,230 --> 00:14:53,839  
winter is definitely december january

260  
00:14:57,430 --> 00:14:56,240  
what about november is november fall or

261  
00:15:01,189 --> 00:14:57,440  
winter

262  
00:15:01,509 --> 00:15:01,199  
i'm just asking my memory says september

263  
00:15:05,189 --> 00:15:01,519

is

264

00:15:11,110 --> 00:15:05,199

fall those leaves

265

00:15:16,949 --> 00:15:15,110

that's good that's good caffeine church

266

00:15:19,670 --> 00:15:16,959

i like that julie

267

00:15:20,389 --> 00:15:19,680

i like that i like that caffeine church

268

00:15:23,350 --> 00:15:20,399

you got

269

00:15:23,990 --> 00:15:23,360

i'll leave it up to you i'll leave it up

270

00:15:27,430 --> 00:15:24,000

to you

271

00:15:29,030 --> 00:15:27,440

you can't have you can't i'm sure

272

00:15:30,790 --> 00:15:29,040

hacksaw didn't give himself that

273

00:15:31,749 --> 00:15:30,800

nickname somebody gave him that for some

274

00:15:35,110 --> 00:15:31,759

reason

275

00:15:35,990 --> 00:15:35,120

so there you go all right where where am

276

00:15:41,910 --> 00:15:36,000

i at

277

00:15:42,230 --> 00:15:41,920

space junk and asteroid news tonight

278

00:15:45,350 --> 00:15:42,240

it's

279

00:15:47,030 --> 00:15:45,360

absolutely incredible a small near-earth

280

00:15:50,710 --> 00:15:47,040

asteroid will fly by

281

00:15:54,310 --> 00:15:50,720

us tomorrow thursday september 24th

282

00:15:58,389 --> 00:15:54,320

at a distance of just now listen to me

283

00:15:59,269 --> 00:15:58,399

13 000 miles an asteroid will make its

284

00:16:02,629 --> 00:15:59,279

close approach

285

00:16:06,829 --> 00:16:02,639

below the ring of geostationary

286

00:16:07,990 --> 00:16:06,839

satellites orbiting about 22 000 miles

287

00:16:11,590 --> 00:16:08,000

away

288

00:16:11,910 --> 00:16:11,600

holy crap right scientists estimate that

289

00:16:15,749 --> 00:16:11,920

the

290

00:16:16,710 --> 00:16:15,759

2020 sw its name is roughly 15 to 30

291

00:16:20,710 --> 00:16:16,720

feet wide

292

00:16:24,310 --> 00:16:20,720

or about the size of a school bus

293

00:16:25,509 --> 00:16:24,320

that's right a school bus sized asteroid

294

00:16:29,509 --> 00:16:25,519

is flying through

295

00:16:31,030 --> 00:16:29,519

our geostationary satellites tomorrow

296

00:16:33,110 --> 00:16:31,040

you gotta ask yourself what's the worst

297

00:16:36,790 --> 00:16:33,120

that can happen right

298

00:16:40,389 --> 00:16:36,800

and for the record just so you know

299

00:16:44,150 --> 00:16:40,399

asteroid 2020 sw was only discovered

300

00:16:48,710 --> 00:16:44,160

wait for it five days ago

301  
00:16:55,749 --> 00:16:53,030  
2020 man 2020. that's all i got to say

302  
00:16:57,509 --> 00:16:55,759  
now space junk and the international

303  
00:16:59,269 --> 00:16:57,519  
space station are in the news because

304  
00:17:00,550 --> 00:16:59,279  
the international space station or the

305  
00:17:03,350 --> 00:17:00,560  
iss

306  
00:17:03,990 --> 00:17:03,360  
just dodged a fast-moving hunk of

307  
00:17:07,590 --> 00:17:04,000  
orbiting

308  
00:17:09,750 --> 00:17:07,600  
junk controllers

309  
00:17:11,350 --> 00:17:09,760  
maneuvered the station away from a

310  
00:17:13,429 --> 00:17:11,360  
potential collision

311  
00:17:14,949 --> 00:17:13,439  
with a piece of debris yesterday on

312  
00:17:18,870 --> 00:17:14,959  
september 22nd

313  
00:17:21,750 --> 00:17:18,880

at 5 19 pm and you

314

00:17:23,909 --> 00:17:21,760

didn't know about it they did so by

315

00:17:24,630 --> 00:17:23,919

firing the thrusters on a russian

316

00:17:27,350 --> 00:17:24,640

progress

317

00:17:28,870 --> 00:17:27,360

cargo spacecraft that was docked to the

318

00:17:31,430 --> 00:17:28,880

orbiting labs

319

00:17:33,270 --> 00:17:31,440

zaveta service module now listen to me

320

00:17:36,870 --> 00:17:33,280

for a second

321

00:17:40,070 --> 00:17:36,880

they didn't use the thrusters on the iss

322

00:17:43,510 --> 00:17:40,080

they had to fire up the engines

323

00:17:44,870 --> 00:17:43,520

on the progress cargo spacecraft that is

324

00:17:47,029 --> 00:17:44,880

right out of the movies

325

00:17:49,190 --> 00:17:47,039

and while all of this was happening if

326

00:17:51,190 --> 00:17:49,200

that isn't enough

327

00:17:53,510 --> 00:17:51,200

the three astronauts aboard the station

328

00:17:56,950 --> 00:17:53,520

chris cassidy and tully and vashen

329

00:17:58,950 --> 00:17:56,960

and ivan wagner sheltered in the

330

00:18:01,430 --> 00:17:58,960

station's russian segment during the

331

00:18:02,710 --> 00:18:01,440

maneuver to be closer to their soyuz

332

00:18:05,990 --> 00:18:02,720

spacecraft

333

00:18:08,150 --> 00:18:06,000

in case they had to escape

334

00:18:09,669 --> 00:18:08,160

holy crap and none of this was known

335

00:18:13,669 --> 00:18:09,679

yesterday

336

00:18:17,430 --> 00:18:13,679

no it was all announced by nasa

337

00:18:21,190 --> 00:18:17,440

today now i've got more space

338

00:18:24,549 --> 00:18:21,200

junk news here we go

339

00:18:28,789 --> 00:18:24,559  
a new mini moon is about to join

340

00:18:30,789 --> 00:18:28,799  
earth's orbit however

341

00:18:33,430 --> 00:18:30,799  
rather than some asteroid that will

342

00:18:36,390 --> 00:18:33,440  
orbit around the earth

343

00:18:37,990 --> 00:18:36,400  
it may actually just be some old space

344

00:18:42,710 --> 00:18:38,000  
junk that has made its way

345

00:18:48,150 --> 00:18:42,720  
back to our planet

346

00:18:52,150 --> 00:18:48,160  
it turns out that asteroid 2020so

347

00:18:54,470 --> 00:18:52,160  
is an old booster rocket from the 1960s

348

00:18:56,350 --> 00:18:54,480  
from the launch of surveyor ii on

349

00:18:59,750 --> 00:18:56,360  
september 20th

350

00:19:02,390 --> 00:18:59,760  
1966. now i've got to give you the

351

00:19:04,390 --> 00:19:02,400

details because i have your attention

352

00:19:05,510 --> 00:19:04,400

that mission was designed to have a soft

353

00:19:08,830 --> 00:19:05,520

landing on the moon

354

00:19:11,909 --> 00:19:08,840

but a failure led to the spacecraft

355

00:19:12,870 --> 00:19:11,919

crashing the centaur rocket that was

356

00:19:15,909 --> 00:19:12,880

used

357

00:19:16,710 --> 00:19:15,919

passed by the moon and continued and

358

00:19:20,150 --> 00:19:16,720

went into

359

00:19:21,830 --> 00:19:20,160

orbit near the sun and was not seen

360

00:19:25,590 --> 00:19:21,840

again

361

00:19:28,230 --> 00:19:25,600

until now

362

00:19:29,909 --> 00:19:28,240

that's all i got it's almost too much to

363

00:19:31,190 --> 00:19:29,919

handle let's get the show cracking happy

364

00:19:34,950 --> 00:19:31,200

birthday to today

365

00:19:37,110 --> 00:19:34,960

hassan minaj today is 35

366

00:19:38,150 --> 00:19:37,120

you know from his two seasons of patriot

367

00:19:39,830 --> 00:19:38,160

act on netflix

368

00:19:41,830 --> 00:19:39,840

that got cancelled because he told the

369

00:19:44,789 --> 00:19:41,840

truth there you go

370

00:19:46,070 --> 00:19:44,799

that hassan minaj pretty funny guy julio

371

00:19:50,150 --> 00:19:46,080

iglesias today

372

00:19:51,750 --> 00:19:50,160

is 77 and yes all the girls that i loved

373

00:19:52,310 --> 00:19:51,760

before and i'll sing it for you if you

374

00:19:54,950 --> 00:19:52,320

want

375

00:19:56,150 --> 00:19:54,960

but that's not the song for me when it

376

00:19:59,990 --> 00:19:56,160

comes to julio

377

00:20:03,510 --> 00:20:00,000

for me it's la mer

378

00:20:06,950 --> 00:20:03,520

yeah tinkler taylor soldier spy

379

00:20:08,950 --> 00:20:06,960

bruce springsteen today is 71

380

00:20:10,870 --> 00:20:08,960

and our dead guy's birthday today isn't

381

00:20:15,669 --> 00:20:10,880

need a moment of silence please

382

00:20:17,270 --> 00:20:15,679

john coltrane 1926 to 1967 died at the

383

00:20:19,350 --> 00:20:17,280

age of 40.

384

00:20:20,390 --> 00:20:19,360

coltrane was a jazz saxophonist and a

385

00:20:22,870 --> 00:20:20,400

composer

386

00:20:23,510 --> 00:20:22,880

coltrane helped pioneer the use of modes

387

00:20:25,590 --> 00:20:23,520

and was

388

00:20:27,430 --> 00:20:25,600

at the foremost of free jazz he would

389

00:20:30,149 --> 00:20:27,440

forefront he was right there

390

00:20:32,149 --> 00:20:30,159

he worked with miles davis two of miles

391

00:20:34,070 --> 00:20:32,159

best records worth coltrane

392

00:20:35,190 --> 00:20:34,080

and that says a lot because all of miles

393

00:20:36,789 --> 00:20:35,200

was great

394

00:20:38,710 --> 00:20:36,799

and of course he played with thelonious

395

00:20:41,110 --> 00:20:38,720

monk right after miles davis

396

00:20:43,270 --> 00:20:41,120

and remains one of the most influential

397

00:20:45,590 --> 00:20:43,280

musicians in history

398

00:20:46,470 --> 00:20:45,600

today i watched a live version of miles

399

00:20:49,510 --> 00:20:46,480

davis

400

00:20:52,950 --> 00:20:49,520

and so what and coltrane

401  
00:20:54,230 --> 00:20:52,960  
solo oh man live on stage two total

402  
00:20:56,950 --> 00:20:54,240  
magic

403  
00:20:58,470 --> 00:20:56,960  
watched it twice and then after that it

404  
00:21:02,470 --> 00:20:58,480  
was trains

405  
00:21:06,230 --> 00:21:02,480  
giant steps all nine minutes

406  
00:21:07,669 --> 00:21:06,240  
twice man that song it was an amazing

407  
00:21:10,950 --> 00:21:07,679  
afternoon of the bunker

408  
00:21:14,789 --> 00:21:10,960  
giant steps you want to know what

409  
00:21:19,190 --> 00:21:14,799  
chords are and how to write a melody

410  
00:21:21,029 --> 00:21:19,200  
with chords listen to giant steps

411  
00:21:22,710 --> 00:21:21,039  
that's all you got to do coltrane died

412  
00:21:23,990 --> 00:21:22,720  
he'll just realize that you're not a

413  
00:21:27,430 --> 00:21:24,000

musician

414

00:21:29,950 --> 00:21:27,440

you're a poser coltrane died of liver

415

00:21:31,830 --> 00:21:29,960

cancer at the age of 40 on july 17th

416

00:21:34,710 --> 00:21:31,840

1967

417

00:21:36,149 --> 00:21:34,720

at huntington hospital on long island in

418

00:21:38,070 --> 00:21:36,159

new york

419

00:21:39,270 --> 00:21:38,080

and when he died nobody really knew that

420

00:21:41,430 --> 00:21:39,280

he was sick they said i

421

00:21:43,590 --> 00:21:41,440

didn't look really that but nobody

422

00:21:47,110 --> 00:21:43,600

nobody knew he was sick

423

00:21:49,990 --> 00:21:47,120

that sick died of 40. wow on this day in

424

00:21:52,789 --> 00:21:50,000

history 1949 president truman

425

00:21:54,990 --> 00:21:52,799

announces that the soviets have exploded

426  
00:21:57,510 --> 00:21:55,000  
a nuclear bomb

427  
00:21:59,190 --> 00:21:57,520  
1949 totally freaking out the country

428  
00:22:01,830 --> 00:21:59,200  
and the rest of the world

429  
00:22:02,789 --> 00:22:01,840  
fader fact this is a fader fact and it's

430  
00:22:05,430 --> 00:22:02,799  
vetted

431  
00:22:06,789 --> 00:22:05,440  
the first public call made from an

432  
00:22:10,310 --> 00:22:06,799  
iphone

433  
00:22:13,909 --> 00:22:10,320  
was made by steve jobs jobs

434  
00:22:17,669 --> 00:22:13,919  
called the local starbucks and ordered 4

435  
00:22:20,870 --> 00:22:17,679  
000 lattes and then cranked them

436  
00:22:24,390 --> 00:22:20,880  
and said just kidding and hung up

437  
00:22:26,470 --> 00:22:24,400  
and that is your fader fact tonight greg

438  
00:22:28,549 --> 00:22:26,480

house is here it's all about a.i

439

00:22:30,070 --> 00:22:28,559

and singularity tomorrow night's fade

440

00:22:31,110 --> 00:22:30,080

tonight with open lines all night long

441

00:22:37,669 --> 00:22:31,120

let me hit this

442

00:22:42,390 --> 00:22:40,630

yeah good plan for these days this is

443

00:22:44,149 --> 00:22:42,400

from nick on twitter pop over to the

444

00:22:45,909 --> 00:22:44,159

winchester for a pint

445

00:22:47,590 --> 00:22:45,919

and wait for the whole thing to blow

446

00:22:51,590 --> 00:22:47,600

over i'm with you

447

00:22:55,830 --> 00:22:51,600

i'm with you but that pint for me

448

00:22:59,350 --> 00:22:55,840

has got to be doc i like my beard

449

00:23:02,870 --> 00:22:59,360

doc i mean thick

450

00:23:06,070 --> 00:23:02,880

with that thick tan brown

451  
00:23:08,390 --> 00:23:06,080  
head on the top oh

452  
00:23:09,270 --> 00:23:08,400  
the darker the better the more exotic

453  
00:23:12,230 --> 00:23:09,280  
the better

454  
00:23:14,149 --> 00:23:12,240  
and if i'm in if i'm in the mood i'll

455  
00:23:15,110 --> 00:23:14,159  
take a chilled shot of vodka right in

456  
00:23:19,430 --> 00:23:15,120  
the top

457  
00:23:23,029 --> 00:23:22,549  
yeah man all right i have learned so

458  
00:23:25,990 --> 00:23:23,039  
much

459  
00:23:27,029 --> 00:23:26,000  
over the last seven years that climbing

460  
00:23:29,350 --> 00:23:27,039  
uh

461  
00:23:31,909 --> 00:23:29,360  
climbing let me hit this river moon

462  
00:23:42,149 --> 00:23:38,470  
oh man rivermooncoffee.com

463  
00:23:43,830 --> 00:23:42,159

part two i have learned so much over the

464

00:23:45,830 --> 00:23:43,840

last seven years that coming up for a

465

00:23:49,190 --> 00:23:45,840

subject to rant about

466

00:23:52,390 --> 00:23:49,200

is as easy as just picking out a subject

467

00:23:55,909 --> 00:23:52,400

and running with it there is

468

00:23:59,510 --> 00:23:55,919

another reason why it's so easy

469

00:24:01,430 --> 00:23:59,520

typing out of all the classes that i

470

00:24:03,830 --> 00:24:01,440

took in high school

471

00:24:04,630 --> 00:24:03,840

the one that turned out to be the most

472

00:24:08,710 --> 00:24:04,640

important

473

00:24:11,830 --> 00:24:08,720

was typing

474

00:24:14,149 --> 00:24:11,840

that's right you see i took two

475

00:24:15,830 --> 00:24:14,159

semesters of typing at balboa high

476

00:24:19,830 --> 00:24:15,840

school in panama

477

00:24:24,310 --> 00:24:19,840

with mrs piper and she was cool too

478

00:24:29,029 --> 00:24:24,320

she's probably i was 15

479

00:24:31,510 --> 00:24:29,039

14 and she was like 65

480

00:24:32,710 --> 00:24:31,520

and she was good she walked she

481

00:24:37,190 --> 00:24:32,720

literally

482

00:24:41,909 --> 00:24:40,630

she was the best man now i could have

483

00:24:43,830 --> 00:24:41,919

stopped at one semester

484

00:24:46,310 --> 00:24:43,840

but i really enjoyed the class and i

485

00:24:49,350 --> 00:24:46,320

decided that a second semester

486

00:24:49,990 --> 00:24:49,360

and that class of legal typing was the

487

00:24:55,750 --> 00:24:50,000

way to go

488

00:25:02,710 --> 00:24:58,870

today i totally rip at typing

489

00:25:06,230 --> 00:25:02,720

there is nobody faster doesn't exist

490

00:25:09,909 --> 00:25:06,240

and especially when i choose to show off

491

00:25:12,070 --> 00:25:09,919

anyway i've also had the last seven

492

00:25:15,510 --> 00:25:12,080

years of writing for this show

493

00:25:20,630 --> 00:25:15,520

each and every day to further advance my

494

00:25:25,590 --> 00:25:24,070

it's true though so when i've chosen a

495

00:25:28,310 --> 00:25:25,600

subject

496

00:25:30,149 --> 00:25:28,320

the words just fly i'm able to connect

497

00:25:31,830 --> 00:25:30,159

my brain to fingers and flow at the

498

00:25:34,950 --> 00:25:31,840

speed of mind

499

00:25:37,430 --> 00:25:34,960

it's very cool that's right

500

00:25:38,870 --> 00:25:37,440

which brings me to tonight's show and

501  
00:25:41,510 --> 00:25:38,880  
it's subject

502  
00:25:42,950 --> 00:25:41,520  
all right artificial intelligence and

503  
00:25:44,870 --> 00:25:42,960  
the singularity

504  
00:25:47,190 --> 00:25:44,880  
over the last couple of months while

505  
00:25:50,310 --> 00:25:47,200  
doing research for the h factor

506  
00:25:51,430 --> 00:25:50,320  
i stumbled upon a bunch of a i created

507  
00:25:55,110 --> 00:25:51,440  
media

508  
00:25:56,950 --> 00:25:55,120  
stuff that was designed to fool you

509  
00:25:59,590 --> 00:25:56,960  
so good that you naturally assume that

510  
00:26:01,430 --> 00:25:59,600  
is generated by humans

511  
00:26:03,990 --> 00:26:01,440  
i read some stuff i looked at artwork

512  
00:26:06,630 --> 00:26:04,000  
and i even listened to some music

513  
00:26:07,750 --> 00:26:06,640

honestly if you didn't know you wouldn't

514

00:26:10,230 --> 00:26:07,760

know

515

00:26:12,149 --> 00:26:10,240

and here's the deal the writing was

516

00:26:15,190 --> 00:26:12,159

really good

517

00:26:17,830 --> 00:26:15,200

too good actually

518

00:26:19,750 --> 00:26:17,840

but great writers that are human

519

00:26:23,590 --> 00:26:19,760

depending on their style by the way

520

00:26:26,070 --> 00:26:23,600

of course can write to perfect as well

521

00:26:28,390 --> 00:26:26,080

this much is true and i get that so you

522

00:26:30,789 --> 00:26:28,400

can't question what i'm about to say

523

00:26:32,149 --> 00:26:30,799

then you have others like say stephen

524

00:26:35,830 --> 00:26:32,159

king

525

00:26:37,590 --> 00:26:35,840

great writer not really no

526

00:26:39,630 --> 00:26:37,600

he's actually very simple in his

527

00:26:42,230 --> 00:26:39,640

approach it's his

528

00:26:43,750 --> 00:26:42,240

creativity that sets him apart from

529

00:26:47,990 --> 00:26:43,760

everyone else

530

00:26:50,149 --> 00:26:48,000

ai is getting very good at this as well

531

00:26:52,390 --> 00:26:50,159

where you have stuff that is very

532

00:26:54,870 --> 00:26:52,400

correct in its grammar

533

00:26:55,590 --> 00:26:54,880

but it's simple sometimes it's off the

534

00:26:58,710 --> 00:26:55,600

wall

535

00:27:00,789 --> 00:26:58,720

and it's different with a healthy dose

536

00:27:03,909 --> 00:27:00,799

of creativity thrown in

537

00:27:06,549 --> 00:27:03,919

now here's the deal on the surface

538

00:27:07,830 --> 00:27:06,559

this all sounds great it's very cool

539

00:27:11,269 --> 00:27:07,840

technology

540

00:27:14,070 --> 00:27:11,279

and indeed it's the future

541

00:27:14,630 --> 00:27:14,080

ai can learn the writing styles of every

542

00:27:17,990 --> 00:27:14,640

single

543

00:27:21,190 --> 00:27:18,000

author that has ever published a book

544

00:27:24,230 --> 00:27:21,200

virtually overnight every single one

545

00:27:26,549 --> 00:27:24,240

in the history of everything imagine how

546

00:27:30,230 --> 00:27:26,559

long that would take one person to do

547

00:27:33,590 --> 00:27:30,240

you would measure that time in centuries

548

00:27:35,990 --> 00:27:33,600

lots of them and with the internet

549

00:27:37,350 --> 00:27:36,000

it would be done in a matter of hours

550

00:27:40,470 --> 00:27:37,360

with one computer

551

00:27:44,789 --> 00:27:40,480

and an ethernet connection

552

00:27:47,510 --> 00:27:44,799

but here's the crazy part but

553

00:27:48,149 --> 00:27:47,520

the day has officially arrived when you

554

00:27:50,470 --> 00:27:48,159

can tell

555

00:27:51,909 --> 00:27:50,480

a computer to write a supernatural

556

00:27:54,630 --> 00:27:51,919

thriller about ghost

557

00:27:56,789 --> 00:27:54,640

a car a goat and three people lost at

558

00:27:59,590 --> 00:27:56,799

sea who land on a deserted island

559

00:28:02,230 --> 00:27:59,600

only to be rescued by yemen pilots and

560

00:28:04,549 --> 00:28:02,240

taken to dracula's castle that's all you

561

00:28:08,549 --> 00:28:04,559

gotta do plug it in

562

00:28:11,990 --> 00:28:08,559

written in the style of stephen king

563

00:28:14,710 --> 00:28:12,000

or william shakespeare doesn't matter

564

00:28:15,750 --> 00:28:14,720

it will be done in minutes it'll be

565

00:28:19,669 --> 00:28:15,760

perfect

566

00:28:21,990 --> 00:28:19,679

there'll be no editing straight to print

567

00:28:23,830 --> 00:28:22,000

and you'll never know the difference

568

00:28:25,110 --> 00:28:23,840

except the yemeni pirates part they

569

00:28:27,110 --> 00:28:25,120

weren't around in

570

00:28:29,110 --> 00:28:27,120

in williams time and i get that but you

571

00:28:30,630 --> 00:28:29,120

get my drift

572

00:28:33,750 --> 00:28:30,640

and you'll never know the difference you

573

00:28:39,909 --> 00:28:36,950

now sure the question of fake books

574

00:28:41,750 --> 00:28:39,919

rises to the surface but what about

575

00:28:45,190 --> 00:28:41,760

stephen king

576

00:28:47,909 --> 00:28:45,200

he don't even have to write anymore

577

00:28:49,350 --> 00:28:47,919

all he's got to do is punch in a few key

578

00:28:52,870 --> 00:28:49,360

words

579

00:28:56,630 --> 00:28:52,880

hit the go button straight to print

580

00:28:59,669 --> 00:28:56,640

no editing book will write itself

581

00:29:03,669 --> 00:28:59,679

in 10 minutes

582

00:29:05,430 --> 00:29:03,679

just like this rant it wrote itself as

583

00:29:08,310 --> 00:29:05,440

fast as i could think it

584

00:29:12,789 --> 00:29:08,320

thanks to mrs piper and her typing 101

585

00:29:15,430 --> 00:29:12,799

and 102 classes i took back in 1978.

586

00:29:17,190 --> 00:29:15,440

seriously i'm your host jimmy church

587

00:29:20,149 --> 00:29:17,200

this is fade to black tonight

588

00:29:21,909 --> 00:29:20,159

greg house is here it's a full night of

589

00:29:23,110 --> 00:29:21,919

artificial intelligence and the

590

00:29:24,710 --> 00:29:23,120

singularity

591

00:29:27,430 --> 00:29:24,720

it's going to be a great show stay right

592

00:29:29,590 --> 00:29:27,440

there we are on the game changer network

593

00:29:30,630 --> 00:29:29,600

and kg are a the planet you can follow

594

00:29:33,190 --> 00:29:30,640

me on twitter

595

00:29:33,830 --> 00:29:33,200

at j church radio you can follow greg

596

00:29:39,269 --> 00:29:33,840

house

597

00:29:40,070 --> 00:29:39,279

with two g's he's verified he's got that

598

00:29:45,269 --> 00:29:40,080

little

599

00:30:06,830 --> 00:29:46,789

i'll be right back after this short

600

00:30:06,840 --> 00:30:15,029

so

601  
00:30:19,350 --> 00:30:17,190  
this is nicole church daughter of you

602  
00:30:21,669 --> 00:30:19,360  
know who and you're listening to fade to

603  
00:30:21,990 --> 00:30:21,679  
black on jimmychurchradio.com and the

604  
00:30:25,750 --> 00:30:22,000  
game

605  
00:30:32,230 --> 00:30:28,070  
you're listening to jimmy church fade to

606  
00:30:36,710 --> 00:30:34,830  
fate to black will now pause for alien

607  
00:30:40,070 --> 00:30:36,720  
identification

608  
00:30:43,750 --> 00:30:40,080  
the station that talks the net ktra

609  
00:30:47,909 --> 00:30:45,990  
introducing the game changer blend from

610  
00:30:50,389 --> 00:30:47,919  
river moon coffee that delivers a

611  
00:30:51,750 --> 00:30:50,399  
customized blend made specifically for

612  
00:30:54,950 --> 00:30:51,760  
the fader knots

613  
00:30:57,909 --> 00:30:54,960

if the game is rigged change the game

614

00:30:58,470 --> 00:30:57,919

it's a boulder cup with some bite game

615

00:31:00,310 --> 00:30:58,480

changer

616

00:31:02,549 --> 00:31:00,320

is the coffee of choice for those that

617

00:31:03,269 --> 00:31:02,559

prefer an organic dark roast that is

618

00:31:06,710 --> 00:31:03,279

slightly

619

00:31:09,350 --> 00:31:06,720

lighter and milder but it's still dark

620

00:31:10,230 --> 00:31:09,360

with wild notes of pecans and chocolate

621

00:31:12,789 --> 00:31:10,240

with a rich

622

00:31:14,870 --> 00:31:12,799

balanced full-bodied cup that is roasted

623

00:31:15,990 --> 00:31:14,880

to perfection for a great coffee to

624

00:31:19,029 --> 00:31:16,000

start your day

625

00:31:19,990 --> 00:31:19,039

as an after-dinner coffee or anywhere in

626  
00:31:21,990 --> 00:31:20,000  
between

627  
00:31:24,950 --> 00:31:22,000  
artisan small batch roasted to

628  
00:31:27,509 --> 00:31:24,960  
perfection usda certified organic all

629  
00:31:29,350 --> 00:31:27,519  
river moon coffee is freshly roasted and

630  
00:31:31,509 --> 00:31:29,360  
packaged in the usa

631  
00:31:33,669 --> 00:31:31,519  
just go to [rivermooncoffee.com](http://rivermooncoffee.com) or click

632  
00:31:34,630 --> 00:31:33,679  
on the banners over on our site and use

633  
00:31:40,350 --> 00:31:34,640  
the promo code

634  
00:31:44,389 --> 00:31:40,360  
f2b blend for 15 off of your order today

635  
00:31:47,430 --> 00:31:44,399  
[rivermooncoffee.com](http://rivermooncoffee.com) go back lee tappy

636  
00:31:52,430 --> 00:31:47,440  
this is the only way forward this

637  
00:31:54,630 --> 00:31:52,440  
is paid to black make contact

638  
00:31:56,389 --> 00:31:54,640

kgraradio.com

639

00:31:58,789 --> 00:31:56,399

this is jimmy church of fade to black

640

00:32:01,430 --> 00:31:58,799

and you can get our podcast for just

641

00:32:03,509 --> 00:32:01,440

two dollars per month all you have to do

642

00:32:07,110 --> 00:32:03,519

is click on the podcast banner

643

00:32:09,750 --> 00:32:07,120

over at jimmychurchradio.com

644

00:32:11,029 --> 00:32:09,760

hi folks it's trembling times and fear

645

00:32:13,269 --> 00:32:11,039

is pushing emotions

646

00:32:15,029 --> 00:32:13,279

which in turn pushes health the wrong

647

00:32:16,070 --> 00:32:15,039

direction do you ever get an egg because

648

00:32:18,710 --> 00:32:16,080

life is uneasy

649

00:32:20,630 --> 00:32:18,720

try life change tea get the tea.com life

650

00:32:21,990 --> 00:32:20,640

change tea works on your digestive tract

651  
00:32:24,149 --> 00:32:22,000  
helping to move food through

652  
00:32:25,269 --> 00:32:24,159  
quicker and comfortably so your health

653  
00:32:27,029 --> 00:32:25,279  
is spot on

654  
00:32:29,110 --> 00:32:27,039  
life change team may not help with world

655  
00:32:30,549 --> 00:32:29,120  
issues but it will help with your

656  
00:32:32,549 --> 00:32:30,559  
digestive issues

657  
00:32:34,230 --> 00:32:32,559  
a glass a day helps keep the intruders

658  
00:32:36,789 --> 00:32:34,240  
away so

659  
00:32:39,029 --> 00:32:36,799  
change your life today log on to get the

660  
00:32:41,669 --> 00:32:39,039  
tea.com that's get the tea

661  
00:32:42,070 --> 00:32:41,679  
dot com if your health game is off get

662  
00:32:44,149 --> 00:32:42,080  
on

663  
00:32:45,269 --> 00:32:44,159

by ordering life change tea get the

664

00:32:47,110 --> 00:32:45,279

tea.com

665

00:32:49,669 --> 00:32:47,120

and while you're on our site look around

666

00:32:51,590 --> 00:32:49,679

at the great non-gmo organic supplements

667

00:32:52,950 --> 00:32:51,600

and if you're a sales shopper go to our

668

00:32:54,630 --> 00:32:52,960

specials page

669

00:32:56,389 --> 00:32:54,640

and see what's for you i've been

670

00:32:58,470 --> 00:32:56,399

drinking the tea for 12 years and i'm

671

00:33:01,350 --> 00:32:58,480

sure glad for its health benefits

672

00:33:02,149 --> 00:33:01,360

again that's get the tea dot com get the

673

00:33:11,190 --> 00:33:02,159

tea

674

00:33:14,950 --> 00:33:11,200

nine out of ten geneticists agree

675

00:33:18,549 --> 00:33:14,960

fade to black is not

676  
00:33:20,230 --> 00:33:18,559  
your father's radio show on the game

677  
00:33:24,789 --> 00:33:20,240  
changer radio network

678  
00:33:26,870 --> 00:33:24,799  
and kgra the planet

679  
00:33:31,430 --> 00:33:26,880  
hi this is rob reiner from anvil and

680  
00:33:34,310 --> 00:33:31,440  
you're listening to jimmychurchradio.com

681  
00:33:51,430 --> 00:33:34,320  
what's up i'm chris what up this is

682  
00:33:54,470 --> 00:33:53,110  
all right welcome back fade to black i'm

683  
00:33:56,870 --> 00:33:54,480  
your host jimmy church tonight greg

684  
00:33:58,630 --> 00:33:56,880  
house is here

685  
00:34:00,470 --> 00:33:58,640  
greg house on the game changer network

686  
00:34:02,549 --> 00:34:00,480  
at kg ra the planet tonight we're going

687  
00:34:04,389 --> 00:34:02,559  
to be talking about the singularity and

688  
00:34:07,509 --> 00:34:04,399

artificial intelligence

689

00:34:09,270 --> 00:34:07,519

just got this tweet in from mark toronto

690

00:34:10,149 --> 00:34:09,280

says how many words a minute can you

691

00:34:12,069 --> 00:34:10,159

type

692

00:34:14,389 --> 00:34:12,079

you want to see you want to you you want

693

00:34:16,310 --> 00:34:14,399

to see me oh here i'll turn this down

694

00:34:17,589 --> 00:34:16,320

i'll turn this out i'm i'm potting out

695

00:34:18,629 --> 00:34:17,599

you want to see how fast i can die okay

696

00:34:25,030 --> 00:34:18,639

watch this watch this

697

00:34:32,869 --> 00:34:29,829

tweet how long was that three seconds

698

00:34:32,879 --> 00:34:37,589

did it post okay there you go

699

00:34:37,599 --> 00:34:41,270

what do you think of that

700

00:34:44,629 --> 00:34:43,589

uh greg you want me to read this lengthy

701  
00:34:47,909 --> 00:34:44,639  
bio

702  
00:34:49,270 --> 00:34:47,919  
tonight aggressive tonight our guest is

703  
00:34:51,669 --> 00:34:49,280  
greg house

704  
00:34:52,550 --> 00:34:51,679  
greg spent much of his early teens in

705  
00:34:55,750 --> 00:34:52,560  
the clink

706  
00:34:58,870 --> 00:34:55,760  
how's that you want me to you know i did

707  
00:35:02,550 --> 00:34:58,880  
i did have some fun in jail there

708  
00:35:03,910 --> 00:35:02,560  
uh solitary confinement uh what 15 years

709  
00:35:07,030 --> 00:35:03,920  
in solitary

710  
00:35:10,870 --> 00:35:07,040  
no i'm kidding i'm kidding 27 days

711  
00:35:13,990 --> 00:35:10,880  
but uh church of scientology anonymous

712  
00:35:17,510 --> 00:35:14,000  
blah blah blah today a

713  
00:35:19,589 --> 00:35:17,520

former hacker now a supreme activist

714

00:35:21,349 --> 00:35:19,599

looking out for all mankind

715

00:35:23,589 --> 00:35:21,359

how's that that's your new bio i just

716

00:35:25,349 --> 00:35:23,599

typed it for you

717

00:35:27,030 --> 00:35:25,359

you know the last couple bios i've had

718

00:35:27,430 --> 00:35:27,040

other people typed up too so there you

719

00:35:30,790 --> 00:35:27,440

go

720

00:35:33,270 --> 00:35:30,800

now that i like that i like that

721

00:35:33,910 --> 00:35:33,280

activists for all mankind people do it

722

00:35:37,430 --> 00:35:33,920

yeah

723

00:35:39,910 --> 00:35:37,440

right uh

724

00:35:41,829 --> 00:35:39,920

you know having a day like everyone else

725

00:35:45,990 --> 00:35:41,839

uh wondering about a lot of things

726

00:35:47,270 --> 00:35:46,000

yeah i know it's uh it's uh it's a crazy

727

00:35:49,270 --> 00:35:47,280

time man and this is

728

00:35:51,349 --> 00:35:49,280

you know what and this is why tonight's

729

00:35:53,190 --> 00:35:51,359

show's gonna be so fantastic

730

00:35:54,550 --> 00:35:53,200

we don't have to talk about any of that

731

00:35:56,870 --> 00:35:54,560

crap

732

00:35:57,990 --> 00:35:56,880

nice way to decompress with the future

733

00:36:00,230 --> 00:35:58,000

of humanity

734

00:36:01,270 --> 00:36:00,240

and the balance you've got to do it

735

00:36:05,190 --> 00:36:01,280

sometimes

736

00:36:08,230 --> 00:36:05,200

you know and uh before we get into ai

737

00:36:11,430 --> 00:36:08,240

i don't want to spend any time today

738

00:36:12,150 --> 00:36:11,440

uh talking about uh what's going on in

739

00:36:15,910 --> 00:36:12,160

the country

740

00:36:18,390 --> 00:36:15,920

or coronavirus or economics or racism or

741

00:36:19,589 --> 00:36:18,400

uh police brutality i don't wanna i'm

742

00:36:20,950 --> 00:36:19,599

not gonna we

743

00:36:23,030 --> 00:36:20,960

we're just not gonna do it we spend

744

00:36:26,950 --> 00:36:23,040

enough time with that frustrating

745

00:36:28,790 --> 00:36:26,960

but i'm gonna say this today

746

00:36:30,069 --> 00:36:28,800

you had the most trending tweet in

747

00:36:33,270 --> 00:36:30,079

twitter

748

00:36:35,109 --> 00:36:33,280

that that that's a pretty big deal man

749

00:36:37,430 --> 00:36:35,119

you know all it really does is it brings

750

00:36:41,109 --> 00:36:37,440

a lot of uh really strange people into

751  
00:36:43,910 --> 00:36:41,119  
your mentions

752  
00:36:45,030 --> 00:36:43,920  
you know today with with the twitter

753  
00:36:48,550 --> 00:36:45,040  
world

754  
00:36:50,950 --> 00:36:48,560  
um getting to trend

755  
00:36:52,390 --> 00:36:50,960  
is uh that's a really big deal because a

756  
00:36:54,150 --> 00:36:52,400  
lot of things are trending

757  
00:36:56,790 --> 00:36:54,160  
and you know what i'm saying it's that's

758  
00:36:59,349 --> 00:36:56,800  
uh that's uh that's pretty cool man

759  
00:37:00,310 --> 00:36:59,359  
and tomorrow it'll be somebody else but

760  
00:37:02,470 --> 00:37:00,320  
today

761  
00:37:04,710 --> 00:37:02,480  
you can kind of kick back and go wow man

762  
00:37:06,870 --> 00:37:04,720  
that that that was smoking

763  
00:37:08,069 --> 00:37:06,880

i wish it was uh for something positive

764

00:37:10,630 --> 00:37:08,079

yeah i know i know

765

00:37:12,550 --> 00:37:10,640

well one one day one day it will be well

766

00:37:13,349 --> 00:37:12,560

it will be and for sure and that's

767

00:37:16,230 --> 00:37:13,359

another thing

768

00:37:17,430 --> 00:37:16,240

and considering uh what we're going to

769

00:37:20,230 --> 00:37:17,440

be talking about tonight with

770

00:37:22,470 --> 00:37:20,240

which is artificial intelligence and

771

00:37:25,829 --> 00:37:22,480

what is going on out there in the world

772

00:37:28,710 --> 00:37:25,839

uh with technology is that ai

773

00:37:29,990 --> 00:37:28,720

and machine learning are driving

774

00:37:34,550 --> 00:37:30,000

negativity

775

00:37:37,190 --> 00:37:34,560

divisiveness

776

00:37:37,910 --> 00:37:37,200

is what trends and that's what gets

777

00:37:40,950 --> 00:37:37,920

clicks

778

00:37:41,910 --> 00:37:40,960

right you could have the most amazing

779

00:37:44,950 --> 00:37:41,920

story about

780

00:37:47,990 --> 00:37:44,960

uh uh if you could post

781

00:37:52,790 --> 00:37:48,000

on twitter the first ever

782

00:37:55,190 --> 00:37:52,800

photograph of a unicorn in new zealand

783

00:37:56,310 --> 00:37:55,200

and you wouldn't trend you wouldn't

784

00:38:01,510 --> 00:37:56,320

trend

785

00:38:03,349 --> 00:38:01,520

a lot of extra knowledge on how to get

786

00:38:04,230 --> 00:38:03,359

things to go viral on twitter which

787

00:38:07,030 --> 00:38:04,240

takes

788

00:38:08,390 --> 00:38:07,040

years of uh you know losing it twitter

789

00:38:11,589 --> 00:38:08,400

to get

790

00:38:14,390 --> 00:38:11,599

yeah yeah it's uh it's a crazy world man

791

00:38:16,230 --> 00:38:14,400

crazy world and uh talking about

792

00:38:20,069 --> 00:38:16,240

artificial intelligence

793

00:38:20,630 --> 00:38:20,079

um i said in uh at the very very top of

794

00:38:24,310 --> 00:38:20,640

the show

795

00:38:26,710 --> 00:38:24,320

i want you to um uh

796

00:38:27,430 --> 00:38:26,720

uh scan your defrag your hard drive for

797

00:38:29,910 --> 00:38:27,440

a second

798

00:38:32,390 --> 00:38:29,920

right you like that you like that segue

799

00:38:35,670 --> 00:38:32,400

defrag your hard drive for a second

800

00:38:38,150 --> 00:38:35,680

and go back uh to you and i

801  
00:38:39,349 --> 00:38:38,160  
we were driving around in new york i

802  
00:38:42,069 --> 00:38:39,359  
don't know if it was in the back of a

803  
00:38:45,349 --> 00:38:42,079  
cab if we were like in a think it was

804  
00:38:48,470 --> 00:38:45,359  
suv oh you remember right okay and so

805  
00:38:52,150 --> 00:38:48,480  
i think we stopped for coffee and

806  
00:38:54,069 --> 00:38:52,160  
then we headed to the film set

807  
00:38:55,670 --> 00:38:54,079  
right okay but anyway when we were

808  
00:38:58,470 --> 00:38:55,680  
driving in the car

809  
00:38:58,870 --> 00:38:58,480  
you and i i wanted to pick your head

810  
00:39:00,790 --> 00:38:58,880  
about

811  
00:39:02,470 --> 00:39:00,800  
artificial intelligence and we talked

812  
00:39:04,390 --> 00:39:02,480  
about the matrix and

813  
00:39:06,550 --> 00:39:04,400

we talked about a couple of tv shows we

814

00:39:08,470 --> 00:39:06,560

talked about some of your consulting

815

00:39:10,630 --> 00:39:08,480

but we i wanted to steer the

816

00:39:12,950 --> 00:39:10,640

conversation into

817

00:39:15,190 --> 00:39:12,960

uh artificial realities artificial

818

00:39:18,470 --> 00:39:15,200

intelligence and machine learning

819

00:39:21,670 --> 00:39:18,480

and you you were very gracious in that

820

00:39:24,550 --> 00:39:21,680

but um i i was

821

00:39:25,670 --> 00:39:24,560

shocked i expected the hacking knowledge

822

00:39:27,750 --> 00:39:25,680

to come out of you

823

00:39:28,950 --> 00:39:27,760

right yeah i knew a lot about you i was

824

00:39:32,390 --> 00:39:28,960

going to interview you

825

00:39:34,710 --> 00:39:32,400

on camera but uh your

826

00:39:35,589 --> 00:39:34,720

your knowledge of artificial

827

00:39:38,630 --> 00:39:35,599

intelligence

828

00:39:41,430 --> 00:39:38,640

and its history and its foundations is

829

00:39:42,390 --> 00:39:41,440

is profound is that something that you

830

00:39:44,950 --> 00:39:42,400

were always

831

00:39:46,870 --> 00:39:44,960

into growing up and and following the

832

00:39:48,230 --> 00:39:46,880

trends and the curves

833

00:39:50,150 --> 00:39:48,240

yeah i've been really interested in the

834

00:39:53,270 --> 00:39:50,160

subject for a while you know

835

00:39:53,750 --> 00:39:53,280

some of my uh knowledge that you know to

836

00:39:56,150 --> 00:39:53,760

others

837

00:39:57,270 --> 00:39:56,160

might seem like you know some miracle

838

00:40:00,790 --> 00:39:57,280

that i have on

839

00:40:03,510 --> 00:40:00,800

a wide amount of subjects is due to

840

00:40:03,910 --> 00:40:03,520

other massive problems in my life so

841

00:40:06,150 --> 00:40:03,920

like

842

00:40:07,349 --> 00:40:06,160

it's a balance that i seem to have

843

00:40:08,950 --> 00:40:07,359

because uh

844

00:40:11,829 --> 00:40:08,960

a lot of listeners here might not know

845

00:40:13,510 --> 00:40:11,839

but uh i have a serious psychological

846

00:40:14,870 --> 00:40:13,520

problem that keeps me from being able to

847

00:40:18,230 --> 00:40:14,880

sleep easily

848

00:40:20,630 --> 00:40:18,240

without a lot of sound around me

849

00:40:21,270 --> 00:40:20,640

so um you know don't share a hotel room

850

00:40:23,910 --> 00:40:21,280

with me

851

00:40:25,510 --> 00:40:23,920

uh but i listen to audio books every

852

00:40:27,430 --> 00:40:25,520

single night of my life and i'll get

853

00:40:29,190 --> 00:40:27,440

hours of them in before i actually fall

854

00:40:31,829 --> 00:40:29,200

asleep so

855

00:40:33,750 --> 00:40:31,839

it's been since i was you know in in my

856

00:40:35,270 --> 00:40:33,760

young age and we were getting uh getting

857

00:40:36,870 --> 00:40:35,280

them from the library and i was

858

00:40:38,230 --> 00:40:36,880

re-listening to multiple like

859

00:40:39,990 --> 00:40:38,240

two or three of them like 10 times a

860

00:40:42,550 --> 00:40:40,000

month to get through them but um

861

00:40:43,910 --> 00:40:42,560

i've listened to thousands and thousands

862

00:40:44,710 --> 00:40:43,920

of books on every subject you can

863

00:40:47,190 --> 00:40:44,720

imagine

864

00:40:48,390 --> 00:40:47,200

just to be able to sleep normal or as

865

00:40:51,990 --> 00:40:48,400

normal as i can get

866

00:40:53,589 --> 00:40:52,000

right and um so that has helped a lot

867

00:40:56,150 --> 00:40:53,599

it's a hindrance but it's also helped a

868

00:40:59,349 --> 00:40:56,160

lot i i do the same thing

869

00:40:59,910 --> 00:40:59,359

um i fell into that naturally well yeah

870

00:41:43,430 --> 00:40:59,920

i

871

00:41:47,030 --> 00:41:43,440

the way back to the late 60s early 70s

872

00:41:47,510 --> 00:41:47,040

so you can find papers on where we might

873

00:41:49,829 --> 00:41:47,520

end up

874

00:41:50,950 --> 00:41:49,839

and and what estimates were of when we

875

00:41:53,589 --> 00:41:50,960

might get there

876

00:41:54,230 --> 00:41:53,599

going back to like mit in the 70s it's

877

00:41:57,990 --> 00:41:54,240

crazy

878

00:41:59,670 --> 00:41:58,000

yeah that's right and now

879

00:42:01,510 --> 00:41:59,680

talking about the history of it and

880

00:42:03,270 --> 00:42:01,520

we're gonna we're gonna fall back to

881

00:42:06,550 --> 00:42:03,280

that in just a second

882

00:42:08,710 --> 00:42:06,560

today it's there's a very strange thing

883

00:42:10,470 --> 00:42:08,720

going on you have kurzweil

884

00:42:11,990 --> 00:42:10,480

and his point of view and a lot of

885

00:42:15,030 --> 00:42:12,000

people listen to that guy

886

00:42:17,109 --> 00:42:15,040

he's a talker hate to think he gets paid

887

00:42:19,109 --> 00:42:17,119

to think and talk

888

00:42:20,550 --> 00:42:19,119

and so but then you have like nick

889

00:42:23,589 --> 00:42:20,560

bostrom right

890

00:42:26,790 --> 00:42:23,599

uh you have sam harris uh and

891

00:42:29,750 --> 00:42:26,800

others that uh have these

892

00:42:30,309 --> 00:42:29,760

different points of view but i think a

893

00:42:34,230 --> 00:42:30,319

large

894

00:42:34,950 --> 00:42:34,240

chunk of it is is fear-based and it's as

895

00:42:37,109 --> 00:42:34,960

it should be

896

00:42:38,230 --> 00:42:37,119

i mean we should definitely have

897

00:42:40,470 --> 00:42:38,240

warnings

898

00:42:42,710 --> 00:42:40,480

uh about it so we know where we're going

899

00:42:45,589 --> 00:42:42,720

and then you had the other side

900

00:42:47,589 --> 00:42:45,599

which is uh the the coders and the

901  
00:42:50,230 --> 00:42:47,599  
programmers and the corporations

902  
00:42:51,430 --> 00:42:50,240  
that'll say ah nothing to see here ah we

903  
00:42:54,550 --> 00:42:51,440  
got a hundred

904  
00:42:55,190 --> 00:42:54,560  
years before we're even close to even

905  
00:42:56,630 --> 00:42:55,200  
having an

906  
00:42:57,829 --> 00:42:56,640  
issue there's people that think we're

907  
00:42:59,030 --> 00:42:57,839  
ten years away and there's people that

908  
00:43:00,950 --> 00:42:59,040  
think we're a century away

909  
00:43:02,470 --> 00:43:00,960  
right right and so what do we do with

910  
00:43:06,150 --> 00:43:02,480  
that as as

911  
00:43:07,190 --> 00:43:06,160  
as pop culture listens right now this is

912  
00:43:08,710 --> 00:43:07,200  
something that is

913  
00:43:10,230 --> 00:43:08,720

talked about more and more in the

914

00:43:11,750 --> 00:43:10,240

mainstream you want to see something

915

00:43:14,309 --> 00:43:11,760

with a million views

916

00:43:16,150 --> 00:43:14,319

go find a sam harris video on artificial

917

00:43:19,349 --> 00:43:16,160

intelligence right

918

00:43:20,630 --> 00:43:19,359

well you know i mean i the the kind of

919

00:43:23,670 --> 00:43:20,640

fear-based uh

920

00:43:26,950 --> 00:43:23,680

looking at this uh does actually go back

921

00:43:28,790 --> 00:43:26,960

too early in the history uh one of kind

922

00:43:29,109 --> 00:43:28,800

of the the most thrown around quotes is

923

00:43:32,870 --> 00:43:29,119

the

924

00:43:35,990 --> 00:43:32,880

keep us

925

00:43:38,710 --> 00:43:36,000

as pets when referring to ai and the

926  
00:43:40,950 --> 00:43:38,720  
robots that you know build up around ai

927  
00:43:42,470 --> 00:43:40,960  
and that was uh was that it was marvin

928  
00:43:46,230 --> 00:43:42,480  
minsky uh the the

929  
00:43:48,150 --> 00:43:46,240  
mit uh laureate there he um

930  
00:43:50,390 --> 00:43:48,160  
he said that and a lot of other people

931  
00:43:52,470 --> 00:43:50,400  
have heard kind of the additional or the

932  
00:43:54,550 --> 00:43:52,480  
newer version of that because uh

933  
00:43:56,550 --> 00:43:54,560  
kurzweil actually put it in a couple of

934  
00:43:59,349 --> 00:43:56,560  
his books and it was by uh

935  
00:44:00,309 --> 00:43:59,359  
a futurist much like kurzweil is uh paul

936  
00:44:02,309 --> 00:44:00,319  
saffo

937  
00:44:03,670 --> 00:44:02,319  
and uh he's got a lot of really cool

938  
00:44:04,710 --> 00:44:03,680

writings on the subject but the thing

939

00:44:07,430 --> 00:44:04,720

that he said was

940

00:44:09,589 --> 00:44:07,440

uh if we're lucky they will treat us as

941

00:44:12,870 --> 00:44:09,599

pets and if we're very unlucky

942

00:44:14,710 --> 00:44:12,880

they will treat us as food um and you

943

00:44:16,150 --> 00:44:14,720

know i think he was kind of uh

944

00:44:17,750 --> 00:44:16,160

watching a little too much matrix when

945

00:44:19,910 --> 00:44:17,760

he said that but uh

946

00:44:21,589 --> 00:44:19,920

you know i i still don't think you know

947

00:44:23,750 --> 00:44:21,599

they're far off from possibilities

948

00:44:26,150 --> 00:44:23,760

there's there's a lot you can uh

949

00:44:27,430 --> 00:44:26,160

do to prevent that possibility though

950

00:44:30,550 --> 00:44:27,440

well

951  
00:44:34,309 --> 00:44:30,560  
that kind of fear right the jolting fear

952  
00:44:37,750 --> 00:44:34,319  
to kind of shake you uh to your senses

953  
00:44:39,270 --> 00:44:37,760  
is needed a softer warning won't get the

954  
00:44:40,950 --> 00:44:39,280  
attention

955  
00:44:43,270 --> 00:44:40,960  
sure i mean humans work that way but

956  
00:44:44,710 --> 00:44:43,280  
like you have to kind of look at this

957  
00:44:46,550 --> 00:44:44,720  
and there you kind of mentioned it as

958  
00:44:47,990 --> 00:44:46,560  
two kind of sides but there's

959  
00:44:49,990 --> 00:44:48,000  
there's i think kind of three sides

960  
00:44:52,309 --> 00:44:50,000  
there's a super fearful there's the

961  
00:44:53,109 --> 00:44:52,319  
gung-ho right ahead and then there's

962  
00:44:53,990 --> 00:44:53,119  
kind of like

963  
00:44:56,230 --> 00:44:54,000

there's a movement called the

964

00:44:57,750 --> 00:44:56,240

transhumanists and they um are very

965

00:44:59,910 --> 00:44:57,760

specifically like

966

00:45:01,910 --> 00:44:59,920

let's move ahead but let's also instead

967

00:45:03,589 --> 00:45:01,920

of it's a separate thing

968

00:45:04,710 --> 00:45:03,599

it's a merging thing they're they're

969

00:45:05,990 --> 00:45:04,720

they're the ones who are going to end up

970

00:45:09,109 --> 00:45:06,000

as cyborgs

971

00:45:10,230 --> 00:45:09,119

um is how i see it there's kind of like

972

00:45:12,470 --> 00:45:10,240

three sides to it

973

00:45:14,230 --> 00:45:12,480

yeah you're right about that and and

974

00:45:16,790 --> 00:45:14,240

what's really strange

975

00:45:18,550 --> 00:45:16,800

that's where elon musk is playing both

976

00:45:20,069 --> 00:45:18,560

sides of the fence

977

00:45:21,750 --> 00:45:20,079

right yeah with his girl link and all

978

00:45:23,910 --> 00:45:21,760

the other stuff right he's got neurolink

979

00:45:25,750 --> 00:45:23,920

and then on the other hand he's like uh

980

00:45:28,390 --> 00:45:25,760

we need to worry about artificial

981

00:45:31,270 --> 00:45:28,400

intelligence not nuclear weapons

982

00:45:31,990 --> 00:45:31,280

you know what i mean sure but i mean

983

00:45:33,589 --> 00:45:32,000

that goes down

984

00:45:35,349 --> 00:45:33,599

to some uh some interesting

985

00:45:36,390 --> 00:45:35,359

psychological stuff some human nature

986

00:45:38,230 --> 00:45:36,400

stuff that uh

987

00:45:40,069 --> 00:45:38,240

that we can talk about but like first i

988

00:45:42,150 --> 00:45:40,079

mean we haven't really framed

989

00:45:43,270 --> 00:45:42,160

the thing we're talking about like you

990

00:45:44,710 --> 00:45:43,280

know

991

00:45:46,470 --> 00:45:44,720

when you first asked me to come on you

992

00:45:48,069 --> 00:45:46,480

kind of mentioned the singularity and

993

00:45:50,390 --> 00:45:48,079

you know that that's kind of

994

00:45:51,750 --> 00:45:50,400

that that's the big word in the space

995

00:45:54,710 --> 00:45:51,760

right when does it happen

996

00:45:55,030 --> 00:45:54,720

and what exactly is it mm-hmm that's

997

00:45:58,470 --> 00:45:55,040

right

998

00:46:00,630 --> 00:45:58,480

um well oh i want everybody to know

999

00:46:02,550 --> 00:46:00,640

uh let's let's actually back that up

1000

00:46:05,109 --> 00:46:02,560

that's a good statement by you

1001  
00:46:05,829 --> 00:46:05,119  
we planned this show freaking three

1002  
00:46:08,150 --> 00:46:05,839  
months ago

1003  
00:46:09,670 --> 00:46:08,160  
you didn't you didn't say that part it's

1004  
00:46:13,109 --> 00:46:09,680  
not like we didn't plan

1005  
00:46:15,589 --> 00:46:13,119  
i didn't call you yesterday right

1006  
00:46:16,230 --> 00:46:15,599  
been working on this for a long time and

1007  
00:46:23,430 --> 00:46:16,240  
uh

1008  
00:46:26,390 --> 00:46:23,440  
things but we

1009  
00:46:27,430 --> 00:46:26,400  
we keep coming back to including myself

1010  
00:46:30,710 --> 00:46:27,440  
directly

1011  
00:46:33,670 --> 00:46:30,720  
is the singularity because i think

1012  
00:46:33,990 --> 00:46:33,680  
most of us was okay let's actually start

1013  
00:46:36,630 --> 00:46:34,000

there

1014

00:46:37,990 --> 00:46:36,640

you're right let's frame this up was

1015

00:46:41,990 --> 00:46:38,000

singularity

1016

00:46:44,710 --> 00:46:42,000

uh a ray kurzweil thing did it predate

1017

00:46:45,589 --> 00:46:44,720

kurzweil did he just bring it into the

1018

00:46:48,069 --> 00:46:45,599

public

1019

00:46:49,510 --> 00:46:48,079

or did it get mentioned somewhere else

1020

00:46:53,030 --> 00:46:49,520

first

1021

00:46:54,790 --> 00:46:53,040

so it existed before him as some general

1022

00:46:56,550 --> 00:46:54,800

ideas among kind of the groups of

1023

00:46:59,510 --> 00:46:56,560

futurists who are already looking

1024

00:46:59,750 --> 00:46:59,520

at things like the difference between ai

1025

00:47:01,589 --> 00:46:59,760

and

1026

00:47:03,349 --> 00:47:01,599

agi which will kind of get into those

1027

00:47:05,109 --> 00:47:03,359

definitions in a little bit but that's

1028

00:47:06,550 --> 00:47:05,119

artificial intelligence and artificial

1029

00:47:10,069 --> 00:47:06,560

general intelligence

1030

00:47:12,390 --> 00:47:10,079

but as a kind of succinct idea of

1031

00:47:14,150 --> 00:47:12,400

here is the singularity i really give

1032

00:47:15,670 --> 00:47:14,160

that credit to ray i mean when you read

1033

00:47:16,309 --> 00:47:15,680

the early stuff that he was writing

1034

00:47:18,550 --> 00:47:16,319

about it

1035

00:47:20,230 --> 00:47:18,560

and early isn't that long ago for ray i

1036

00:47:21,430 --> 00:47:20,240

mean his first books that even touched

1037

00:47:23,670 --> 00:47:21,440

on some of this were

1038

00:47:25,510 --> 00:47:23,680

late 90s and his kind of seminal works

1039

00:47:27,990 --> 00:47:25,520

for early 2000s

1040

00:47:29,589 --> 00:47:28,000

um so it's not like you know he was 40

1041

00:47:30,549 --> 00:47:29,599

50 years ago with his ideas on this

1042

00:47:32,790 --> 00:47:30,559

stuff

1043

00:47:34,390 --> 00:47:32,800

but um you know the way i look at the

1044

00:47:36,150 --> 00:47:34,400

singularity i've kind of you know

1045

00:47:38,710 --> 00:47:36,160

i've read about it i've thought about it

1046

00:47:39,990 --> 00:47:38,720

i've watched every documentary that even

1047

00:47:43,109 --> 00:47:40,000

mentions the word you know

1048

00:47:44,710 --> 00:47:43,119

in my time and you know for the audience

1049

00:47:47,030 --> 00:47:44,720

like the singularity is

1050

00:47:49,030 --> 00:47:47,040

it's the idea that there will be a

1051

00:47:51,190 --> 00:47:49,040

singular point where

1052

00:47:52,390 --> 00:47:51,200

computers become as intelligent as

1053

00:47:55,430 --> 00:47:52,400

humans are

1054

00:47:57,750 --> 00:47:55,440

uh and at that point the state

1055

00:47:59,510 --> 00:47:57,760

things will will be is is really

1056

00:48:02,150 --> 00:47:59,520

irreversibly altered

1057

00:48:03,030 --> 00:48:02,160

like the the future is there's no going

1058

00:48:04,790 --> 00:48:03,040

back from that

1059

00:48:06,710 --> 00:48:04,800

unless the one first machine who gets

1060

00:48:08,390 --> 00:48:06,720

there is destroyed the instant it gets

1061

00:48:10,950 --> 00:48:08,400

there as well

1062

00:48:12,790 --> 00:48:10,960

so it's irreversibly altered our future

1063

00:48:15,589 --> 00:48:12,800

human future is at that point

1064

00:48:16,710 --> 00:48:15,599

um and computers will get better and

1065

00:48:19,030 --> 00:48:16,720

smarter

1066

00:48:20,069 --> 00:48:19,040

faster than any human human can once

1067

00:48:22,549 --> 00:48:20,079

once the singularity

1068

00:48:24,230 --> 00:48:22,559

happens um you know their their version

1069

00:48:27,109 --> 00:48:24,240

of kind of evolution will be

1070

00:48:28,630 --> 00:48:27,119

at a pace that we won't even have words

1071

00:48:31,030 --> 00:48:28,640

to measure i don't think that

1072

00:48:33,510 --> 00:48:31,040

they will start to redesign themselves

1073

00:48:35,430 --> 00:48:33,520

um you know imagine that a computer

1074

00:48:36,790 --> 00:48:35,440

we design and then we build the

1075

00:48:39,750 --> 00:48:36,800

manufacturing process

1076  
00:48:41,510 --> 00:48:39,760  
and then we build the computer and years

1077  
00:48:43,430 --> 00:48:41,520  
later that that computer's in someone's

1078  
00:48:44,230 --> 00:48:43,440  
hands you know a computer will be able

1079  
00:48:47,430 --> 00:48:44,240  
to

1080  
00:48:48,069 --> 00:48:47,440  
you make your manufacturing faster

1081  
00:48:49,589 --> 00:48:48,079  
because

1082  
00:48:51,430 --> 00:48:49,599  
i'm smarter than you and i figured that

1083  
00:48:52,950 --> 00:48:51,440  
out and here's the new design just

1084  
00:48:54,549 --> 00:48:52,960  
change this thing and the next computer

1085  
00:48:56,069 --> 00:48:54,559  
will be a little faster

1086  
00:48:58,470 --> 00:48:56,079  
you go build the thing in a year later

1087  
00:48:59,430 --> 00:48:58,480  
you turn it on that computer spends the

1088  
00:49:01,349 --> 00:48:59,440

next couple months

1089

00:49:03,349 --> 00:49:01,359

giving you the design for the next

1090

00:49:05,109 --> 00:49:03,359

computer and so on

1091

00:49:07,109 --> 00:49:05,119

and soon they're giving you design

1092

00:49:08,790 --> 00:49:07,119

tweaks that only take weeks to build

1093

00:49:10,470 --> 00:49:08,800

and finally you have the most powerful

1094

00:49:13,190 --> 00:49:10,480

fastest computer that can physically

1095

00:49:14,870 --> 00:49:13,200

exist the measurement of how long it

1096

00:49:17,589 --> 00:49:14,880

takes for the singularity to actually

1097

00:49:19,349 --> 00:49:17,599

occur where that computer really exists

1098

00:49:21,670 --> 00:49:19,359

who knows some people say that takes you

1099

00:49:22,790 --> 00:49:21,680

know only a couple years after we reach

1100

00:49:25,270 --> 00:49:22,800

the point of

1101  
00:49:26,790 --> 00:49:25,280  
agi and and others say it takes a

1102  
00:49:28,150 --> 00:49:26,800  
century afterward but

1103  
00:49:29,670 --> 00:49:28,160  
we just don't know and i don't think we

1104  
00:49:29,990 --> 00:49:29,680  
can really judge that until it actually

1105  
00:49:32,470 --> 00:49:30,000  
starts

1106  
00:49:33,589 --> 00:49:32,480  
to happen but like they will speed up at

1107  
00:49:35,990 --> 00:49:33,599  
a rate that we just don't

1108  
00:49:36,870 --> 00:49:36,000  
understand and you know what happens

1109  
00:49:38,870 --> 00:49:36,880  
then

1110  
00:49:40,790 --> 00:49:38,880  
it's it's all speculation at this point

1111  
00:49:43,430 --> 00:49:40,800  
you know we have no idea

1112  
00:49:44,230 --> 00:49:43,440  
so we're just uh sitting here talking

1113  
00:49:47,510 --> 00:49:44,240

about

1114

00:49:49,829 --> 00:49:47,520

the what ifs and what we can do

1115

00:49:50,950 --> 00:49:49,839

as the people talking about it to come

1116

00:49:53,589 --> 00:49:50,960

up with uh

1117

00:49:55,430 --> 00:49:53,599

platforms and strategies that uh prevent

1118

00:49:57,190 --> 00:49:55,440

that from going in any of the

1119

00:49:59,109 --> 00:49:57,200

bad ways that people talk about like

1120

00:50:00,549 --> 00:49:59,119

those quotes from earlier about becoming

1121

00:50:02,870 --> 00:50:00,559

the pet or the food

1122

00:50:05,109 --> 00:50:02,880

uh we don't want either of those um

1123

00:50:07,750 --> 00:50:05,119

that's why that's we want to be seen as

1124

00:50:08,390 --> 00:50:07,760

as friends and equals now that's right

1125

00:50:11,430 --> 00:50:08,400

and

1126

00:50:15,190 --> 00:50:11,440

the other definition

1127

00:50:17,030 --> 00:50:15,200

of the singularity is

1128

00:50:18,390 --> 00:50:17,040

the one that has been created in the

1129

00:50:21,430 --> 00:50:18,400

minds of

1130

00:50:24,390 --> 00:50:21,440

the rest of the planet which is

1131

00:50:26,710 --> 00:50:24,400

the singularity means at that moment

1132

00:50:30,230 --> 00:50:26,720

down to the nanosecond

1133

00:50:31,670 --> 00:50:30,240

that is the end of mankind right that's

1134

00:50:35,190 --> 00:50:31,680

the that's that that's

1135

00:50:38,950 --> 00:50:35,200

that's the date that's the event and

1136

00:50:42,069 --> 00:50:38,960

uh calculated in seconds moving forward

1137

00:50:45,510 --> 00:50:42,079

are machines uh absolutely

1138

00:50:46,390 --> 00:50:45,520

taking over everything uh exponentially

1139

00:50:50,150 --> 00:50:46,400

fast

1140

00:50:51,829 --> 00:50:50,160

and it will be down to hours not years

1141

00:50:53,670 --> 00:50:51,839

that's the other part of singularity

1142

00:50:55,910 --> 00:50:53,680

that freaks people out

1143

00:50:57,349 --> 00:50:55,920

well for that you have physics to get in

1144

00:50:58,309 --> 00:50:57,359

the way and slow it down a little you

1145

00:51:00,790 --> 00:50:58,319

have you know the

1146

00:51:01,990 --> 00:51:00,800

general nature of our universe um sure

1147

00:51:03,030 --> 00:51:02,000

they're going to come up with some newer

1148

00:51:04,790 --> 00:51:03,040

science that uh

1149

00:51:06,390 --> 00:51:04,800

speeds them up a little faster than us

1150

00:51:07,670 --> 00:51:06,400

but when they got to build something

1151  
00:51:09,109 --> 00:51:07,680  
they still have to get the minerals out

1152  
00:51:11,109 --> 00:51:09,119  
of the ground until they've come up with

1153  
00:51:11,750 --> 00:51:11,119  
a way to put the molecules together from

1154  
00:51:14,069 --> 00:51:11,760  
base

1155  
00:51:15,750 --> 00:51:14,079  
you know atoms and whatnot uh and

1156  
00:51:17,270 --> 00:51:15,760  
they'll get there too but you know

1157  
00:51:19,190 --> 00:51:17,280  
it'll take them time to be able to do

1158  
00:51:21,510 --> 00:51:19,200  
that so i don't think it'll go

1159  
00:51:22,630 --> 00:51:21,520  
that fast when they get there personally

1160  
00:51:25,270 --> 00:51:22,640  
but the other thing is like

1161  
00:51:26,790 --> 00:51:25,280  
agi is is a way off artificial general

1162  
00:51:28,309 --> 00:51:26,800  
intelligence is what's going to lead to

1163  
00:51:30,150 --> 00:51:28,319

this and that's the

1164

00:51:31,670 --> 00:51:30,160

the idea that ai is you know just

1165

00:51:34,230 --> 00:51:31,680

artificial intelligence but

1166

00:51:35,349 --> 00:51:34,240

that's very um contained it's very

1167

00:51:36,950 --> 00:51:35,359

specific you

1168

00:51:38,790 --> 00:51:36,960

you can build an ai that's really good

1169

00:51:41,030 --> 00:51:38,800

at writing article titles

1170

00:51:42,549 --> 00:51:41,040

uh it's a machine learned uh some of

1171

00:51:43,030 --> 00:51:42,559

them are even neural network based you

1172

00:51:45,190 --> 00:51:43,040

know

1173

00:51:46,470 --> 00:51:45,200

there's the the new um the new model

1174

00:51:48,710 --> 00:51:46,480

called gpt3

1175

00:51:49,670 --> 00:51:48,720

which now microsoft gets an exclusive

1176

00:51:52,710 --> 00:51:49,680

license to

1177

00:51:54,230 --> 00:51:52,720

and we all get to go uh get f'd um

1178

00:51:54,630 --> 00:51:54,240

because they bought that a couple days

1179

00:51:56,630 --> 00:51:54,640

ago

1180

00:51:58,630 --> 00:51:56,640

right um but that model is amazing it

1181

00:51:59,109 --> 00:51:58,640

can write like entire blog posts for you

1182

00:52:03,990 --> 00:51:59,119

and

1183

00:52:04,790 --> 00:52:04,000

but it's targeted at that one thing it

1184

00:52:06,950 --> 00:52:04,800

can't do

1185

00:52:08,790 --> 00:52:06,960

anything else like you feed it text it

1186

00:52:13,109 --> 00:52:08,800

generates other text right

1187

00:52:14,950 --> 00:52:13,119

a gi is the idea of an ai actually being

1188

00:52:16,390 --> 00:52:14,960

generally intelligent like humans are

1189

00:52:18,549 --> 00:52:16,400

generally intelligent

1190

00:52:20,150 --> 00:52:18,559

you know we we can do a hundred

1191

00:52:22,710 --> 00:52:20,160

different things and we

1192

00:52:24,069 --> 00:52:22,720

do the one thing that is super important

1193

00:52:25,910 --> 00:52:24,079

to agi that

1194

00:52:27,910 --> 00:52:25,920

you rarely hear people talk about unless

1195

00:52:30,829 --> 00:52:27,920

they're in you know kind of

1196

00:52:32,390 --> 00:52:30,839

academic circles is goal and

1197

00:52:35,829 --> 00:52:32,400

achievements you know

1198

00:52:36,710 --> 00:52:35,839

part of getting to agi is you have to

1199

00:52:39,589 --> 00:52:36,720

have something

1200

00:52:41,670 --> 00:52:39,599

wanting to to do something and then

1201  
00:52:43,910 --> 00:52:41,680  
being happy that it did it or of course

1202  
00:52:46,309 --> 00:52:43,920  
sad that it did it but the idea that you

1203  
00:52:48,710 --> 00:52:46,319  
know goals are everywhere as humans we

1204  
00:52:50,309 --> 00:52:48,720  
we we set goals with everything we do

1205  
00:52:52,630 --> 00:52:50,319  
if i need to go use the restroom during

1206  
00:52:54,549 --> 00:52:52,640  
one of our breaks here my first goal is

1207  
00:52:56,630 --> 00:52:54,559  
standing up from the chair when i'm

1208  
00:52:59,589 --> 00:52:56,640  
stood up goal achieved

1209  
00:53:00,309 --> 00:52:59,599  
now the machine has to get to a point

1210  
00:53:02,549 --> 00:53:00,319  
where

1211  
00:53:04,230 --> 00:53:02,559  
it starts setting goals as simple as

1212  
00:53:04,549 --> 00:53:04,240  
that all the way up to the point where

1213  
00:53:08,630 --> 00:53:04,559

it

1214

00:53:10,230 --> 00:53:08,640

away is the moon

1215

00:53:12,630 --> 00:53:10,240

and then it learns it and then goal

1216

00:53:14,470 --> 00:53:12,640

achieved or how does the sun work

1217

00:53:16,390 --> 00:53:14,480

but it has to get to a point where it is

1218

00:53:18,470 --> 00:53:16,400

setting those goals for itself

1219

00:53:20,710 --> 00:53:18,480

and that's a that's a very strange

1220

00:53:21,829 --> 00:53:20,720

actual obstacle to overcome where it's

1221

00:53:24,549 --> 00:53:21,839

not just

1222

00:53:26,470 --> 00:53:24,559

being fed lists or being trained on

1223

00:53:27,510 --> 00:53:26,480

models of human data but it actually

1224

00:53:29,670 --> 00:53:27,520

starts to

1225

00:53:30,950 --> 00:53:29,680

build its own goals and do its own work

1226

00:53:34,230 --> 00:53:30,960

towards those goals

1227

00:53:36,390 --> 00:53:34,240

and to have them make any sense well

1228

00:53:37,270 --> 00:53:36,400

there's and that is such an excellent

1229

00:53:39,109 --> 00:53:37,280

point

1230

00:53:40,870 --> 00:53:39,119

and there's two things to consider off

1231

00:53:43,430 --> 00:53:40,880

of that it's

1232

00:53:45,270 --> 00:53:43,440

when you achieve the goal humans

1233

00:53:48,309 --> 00:53:45,280

immediately

1234

00:53:49,670 --> 00:53:48,319

think of a new goal right there right

1235

00:53:51,190 --> 00:53:49,680

it's our nature it's our nature you

1236

00:53:52,069 --> 00:53:51,200

complete something what am i going to do

1237

00:53:54,150 --> 00:53:52,079

next

1238

00:53:55,109 --> 00:53:54,160

well that's the other part of agi that

1239

00:53:58,069 --> 00:53:55,119

has to be

1240

00:53:59,030 --> 00:53:58,079

uh achieved because that is a human

1241

00:54:01,510 --> 00:53:59,040

instinctual

1242

00:54:02,710 --> 00:54:01,520

thing that is unique to our

1243

00:54:05,030 --> 00:54:02,720

consciousness

1244

00:54:06,790 --> 00:54:05,040

uh but there is another thing when it

1245

00:54:10,150 --> 00:54:06,800

comes to agi

1246

00:54:13,750 --> 00:54:10,160

that i find nearly

1247

00:54:16,790 --> 00:54:13,760

insurmountable nearly and that is

1248

00:54:19,829 --> 00:54:16,800

our decisions your decisions greg

1249

00:54:23,190 --> 00:54:19,839

that you make the majority of them

1250

00:54:24,150 --> 00:54:23,200

are of your history and something

1251

00:54:27,910 --> 00:54:24,160

emotional

1252

00:54:30,870 --> 00:54:27,920

that you did why would you buy

1253

00:54:32,069 --> 00:54:30,880

a blue car why would that decision

1254

00:54:34,309 --> 00:54:32,079

happen

1255

00:54:35,829 --> 00:54:34,319

why you had my favorite color my mom on

1256

00:54:37,670 --> 00:54:35,839

the blue car that i'm remembering

1257

00:54:39,430 --> 00:54:37,680

all kinds of reasons yeah even more so

1258

00:54:42,150 --> 00:54:39,440

than that right uh

1259

00:54:43,190 --> 00:54:42,160

you had a friend that had a blue schwinn

1260

00:54:45,910 --> 00:54:43,200

bicycle

1261

00:54:46,470 --> 00:54:45,920

right and and and you were able to touch

1262

00:54:48,230 --> 00:54:46,480

it

1263

00:54:49,750 --> 00:54:48,240

or whatever you know these things are

1264

00:54:52,789 --> 00:54:49,760

emotionally driven

1265

00:54:54,870 --> 00:54:52,799

that those references and that history

1266

00:54:56,470 --> 00:54:54,880

isn't there naturally it can be

1267

00:54:58,789 --> 00:54:56,480

programmed in

1268

00:54:59,589 --> 00:54:58,799

those memories into a computer but to

1269

00:55:02,309 --> 00:54:59,599

experience

1270

00:55:02,950 --> 00:55:02,319

them and have the emotional reasons why

1271

00:55:05,750 --> 00:55:02,960

they are

1272

00:55:06,950 --> 00:55:05,760

important to you um but then you're

1273

00:55:10,549 --> 00:55:06,960

getting into the next

1274

00:55:13,109 --> 00:55:10,559

really big part of uh an agi in an

1275

00:55:14,789 --> 00:55:13,119

actual the difference between you know

1276

00:55:17,349 --> 00:55:14,799

just artificial intelligence

1277

00:55:17,910 --> 00:55:17,359

and something that's almost sentient

1278

00:55:21,510 --> 00:55:17,920

right

1279

00:55:25,829 --> 00:55:21,520

consciousness

1280

00:55:27,190 --> 00:55:25,839

point i'm just

1281

00:55:28,630 --> 00:55:27,200

gonna say it and some of the scientists

1282

00:55:29,750 --> 00:55:28,640

out there will hate the way i word this

1283

00:55:32,309 --> 00:55:29,760

but um

1284

00:55:34,150 --> 00:55:32,319

it's just a word at this point that is

1285

00:55:36,390 --> 00:55:34,160

loosely defined

1286

00:55:37,270 --> 00:55:36,400

and you will find a thousand scientists

1287

00:55:39,430 --> 00:55:37,280

who will give you

1288

00:55:41,510 --> 00:55:39,440

a different uh description for it you

1289

00:55:42,630 --> 00:55:41,520

will find a thousand psychologists and

1290

00:55:44,069 --> 00:55:42,640

psychiatrists that

1291

00:55:45,750 --> 00:55:44,079

explain it to you differently

1292

00:55:48,150 --> 00:55:45,760

consciousness is

1293

00:55:50,390 --> 00:55:48,160

is not measurable from the outside of

1294

00:55:52,150 --> 00:55:50,400

the living being that has consciousness

1295

00:55:54,230 --> 00:55:52,160

it's not a thing that you can look at

1296

00:55:57,270 --> 00:55:54,240

and say here it is it is

1297

00:55:58,470 --> 00:55:57,280

it is mostly the the way we perceive the

1298

00:56:01,270 --> 00:55:58,480

world

1299

00:56:02,309 --> 00:56:01,280

and how our brains specifically in

1300

00:56:04,950 --> 00:56:02,319

interacting with

1301

00:56:06,789 --> 00:56:04,960

other parts of our brain chooses to

1302

00:56:09,430 --> 00:56:06,799

perceive that world and then present it

1303

00:56:10,950 --> 00:56:09,440

to those other parts of our brain um

1304

00:56:12,950 --> 00:56:10,960

that makes up what we consider

1305

00:56:15,270 --> 00:56:12,960

consciousness right now and you know

1306

00:56:17,270 --> 00:56:15,280

consciousness is going to be necessary

1307

00:56:19,190 --> 00:56:17,280

to make the types of different uh

1308

00:56:20,309 --> 00:56:19,200

decisions and inferences you're talking

1309

00:56:22,230 --> 00:56:20,319

about from

1310

00:56:23,829 --> 00:56:22,240

you know memory and stuff like that um

1311

00:56:26,710 --> 00:56:23,839

and to really have any kind of

1312

00:56:27,829 --> 00:56:26,720

emotional strength there and we still

1313

00:56:29,270 --> 00:56:27,839

personally as humans

1314

00:56:31,510 --> 00:56:29,280

can't properly come up with a

1315

00:56:34,789 --> 00:56:31,520

description of consciousness that

1316

00:56:37,750 --> 00:56:34,799

any ten people in a room could agree on

1317

00:56:38,069 --> 00:56:37,760

uh so uh we're still far away from that

1318

00:56:41,030 --> 00:56:38,079

one

1319

00:56:42,630 --> 00:56:41,040

uh which also means that maybe computers

1320

00:56:44,069 --> 00:56:42,640

don't need it in the way that we see it

1321

00:56:47,349 --> 00:56:44,079

maybe they come up with their own

1322

00:56:48,390 --> 00:56:47,359

version of it right and the the

1323

00:56:51,829 --> 00:56:48,400

fascinating

1324

00:56:54,870 --> 00:56:51,839

thing about all of that

1325

00:56:56,390 --> 00:56:54,880

is when you start to get man

1326

00:56:58,309 --> 00:56:56,400

consciousness is like the biggest

1327

00:56:58,789 --> 00:56:58,319

conversation that anybody can have these

1328

00:57:02,230 --> 00:56:58,799

days

1329

00:57:05,030 --> 00:57:02,240

whether you're a physicist uh agnostic

1330

00:57:05,670 --> 00:57:05,040

religious not religious to your creation

1331

00:57:07,990 --> 00:57:05,680

it doesn't

1332

00:57:09,829 --> 00:57:08,000

matter who you you get into this and

1333

00:57:10,950 --> 00:57:09,839

it's a conversation that most people are

1334

00:57:13,030 --> 00:57:10,960

afraid to have

1335

00:57:14,549 --> 00:57:13,040

because you're getting into a very

1336

00:57:16,470 --> 00:57:14,559

touchy zone

1337

00:57:18,150 --> 00:57:16,480

it's too vague it's too amorphous and

1338

00:57:19,190 --> 00:57:18,160

you can't actually put your finger on it

1339

00:57:23,670 --> 00:57:19,200

you can't measure it

1340

00:57:24,789 --> 00:57:23,680

also you can't say you know it exactly

1341

00:57:27,190 --> 00:57:24,799

is this one thing

1342

00:57:28,309 --> 00:57:27,200

without either lying to yourself or

1343

00:57:31,510 --> 00:57:28,319

lying to the public

1344

00:57:33,270 --> 00:57:31,520

and and i was listening to i've got uh

1345

00:57:34,470 --> 00:57:33,280

uh two minutes before the break so i'm

1346

00:57:35,510 --> 00:57:34,480

gonna make this quick so i can get you

1347

00:57:37,510 --> 00:57:35,520

to respond

1348

00:57:38,789 --> 00:57:37,520

and that is i've been listening to

1349

00:57:40,950 --> 00:57:38,799

different physicists

1350

00:57:42,150 --> 00:57:40,960

uh and theoretical physicists talk about

1351

00:57:46,309 --> 00:57:42,160

this over the last

1352

00:57:49,829 --> 00:57:46,319

few years and one of the

1353

00:57:51,910 --> 00:57:49,839

views that they are trying to do so they

1354

00:57:55,510 --> 00:57:51,920

don't freak out all of their fans

1355

00:57:58,549 --> 00:57:55,520

right is that maybe consciousness

1356

00:57:59,910 --> 00:57:58,559

is in everything at the atomic and

1357

00:58:03,349 --> 00:57:59,920

quantum level

1358

00:58:05,829 --> 00:58:03,359

just a little piece it's there and then

1359

00:58:07,349 --> 00:58:05,839

our brain gets put together three pounds

1360

00:58:10,630 --> 00:58:07,359

of gray goo

1361

00:58:14,549 --> 00:58:10,640

and consciousness is is uh

1362

00:58:16,549 --> 00:58:14,559

accumulated therefore there could be

1363

00:58:18,230 --> 00:58:16,559

a certain amount of consciousness in a

1364

00:58:20,829 --> 00:58:18,240

rock or in a tree or

1365

00:58:22,789 --> 00:58:20,839

an inanimate object something that isn't

1366

00:58:24,950 --> 00:58:22,799

sentient hence

1367

00:58:26,789 --> 00:58:24,960

the computer and that's where that

1368

00:58:29,109 --> 00:58:26,799

conversation comes in

1369

00:58:30,150 --> 00:58:29,119

that there is a possibility that when

1370

00:58:33,109 --> 00:58:30,160

you develop an

1371

00:58:34,870 --> 00:58:33,119

agi computer with enough thought and

1372

00:58:36,309 --> 00:58:34,880

enough processing power and enough

1373

00:58:39,589 --> 00:58:36,319

circuitry in it

1374

00:58:42,710 --> 00:58:39,599

that it will be conscious uh

1375

00:58:45,589 --> 00:58:42,720

conscious and that is something that

1376

00:58:45,910 --> 00:58:45,599

is is baffling physics physicists but

1377

00:58:50,549 --> 00:58:45,920

and

1378

00:58:53,589 --> 00:58:50,559

they have to accept

1379

00:58:55,510 --> 00:58:53,599

there have been entire talks on

1380

00:58:57,750 --> 00:58:55,520

how do you actually measure

1381

00:59:00,710 --> 00:58:57,760

consciousness and specifically

1382

00:59:01,750 --> 00:59:00,720

uh being that we don't know exactly how

1383

00:59:03,670 --> 00:59:01,760

can you prove to me

1384

00:59:05,829 --> 00:59:03,680

that rocks don't have consciousness

1385

00:59:07,750 --> 00:59:05,839

right and uh the answer is no you cannot

1386

00:59:09,190 --> 00:59:07,760

prove that because uh you still can't

1387

00:59:10,950 --> 00:59:09,200

define it in a way that

1388

00:59:13,349 --> 00:59:10,960

anyone will agree on yeah that's right

1389

00:59:15,430 --> 00:59:13,359

so yeah it's it's a tough one and it's a

1390

00:59:17,349 --> 00:59:15,440

much bigger conversation to be had

1391

00:59:18,710 --> 00:59:17,359

um but it's it's a hard one because

1392

00:59:19,910 --> 00:59:18,720

people don't like being pinned into a

1393

00:59:21,990 --> 00:59:19,920

corner where they can't

1394

00:59:23,270 --> 00:59:22,000

honestly state a hard fact that they

1395

00:59:24,870 --> 00:59:23,280

know is true

1396

00:59:26,549 --> 00:59:24,880

and uh with consciousness it's really

1397

00:59:29,589 --> 00:59:26,559

hard to state any of those

1398

00:59:31,990 --> 00:59:29,599

well you just can't and the thing is

1399

00:59:32,870 --> 00:59:32,000

is that even when you have the most

1400

00:59:38,470 --> 00:59:32,880

black and white

1401

00:59:44,230 --> 00:59:42,549

physicist they know that it's real

1402

00:59:46,470 --> 00:59:44,240

they know the words are coming out of

1403

00:59:48,630 --> 00:59:46,480

their mouth they know that they can

1404

00:59:49,910 --> 00:59:48,640

question the algorithms that they are

1405

00:59:52,789 --> 00:59:49,920

writing out right

1406

00:59:53,990 --> 00:59:52,799

these equations and explain them that's

1407

00:59:56,549 --> 00:59:54,000

consciousness

1408

00:59:58,470 --> 00:59:56,559

so you can't say that it doesn't exist

1409

00:59:59,589 --> 00:59:58,480

but yet they want to remain in a black

1410

01:00:01,750 --> 00:59:59,599

and white world

1411

01:00:03,270 --> 01:00:01,760

and then they are forced into trying to

1412

01:00:06,549 --> 01:00:03,280

explain

1413

01:00:08,069 --> 01:00:06,559

why they think right right exactly but

1414

01:00:10,069 --> 01:00:08,079

you know explaining exactly what

1415

01:00:12,230 --> 01:00:10,079

consciousness is it's very amorphous

1416

01:00:15,190 --> 01:00:12,240

it's a very fluid thing right it's

1417

01:00:17,270 --> 01:00:15,200

is it is it specifically how much of

1418

01:00:19,270 --> 01:00:17,280

each part of your brain

1419

01:00:20,870 --> 01:00:19,280

is in control and how they interact with

1420

01:00:21,589 --> 01:00:20,880

each other some people believe that so

1421

01:00:23,190 --> 01:00:21,599

people who

1422

01:00:25,109 --> 01:00:23,200

you know use much more of say their

1423

01:00:26,549 --> 01:00:25,119

frontal cortex you know in in their

1424

01:00:28,630 --> 01:00:26,559

processing of things

1425

01:00:30,069 --> 01:00:28,640

uh have a slightly different version of

1426

01:00:32,630 --> 01:00:30,079

what you know that might be or

1427

01:00:34,630 --> 01:00:32,640

is it down to how many neurons you were

1428

01:00:36,230 --> 01:00:34,640

able to create before uh your body kind

1429

01:00:38,630 --> 01:00:36,240

of stopped creating them in mass

1430

01:00:39,829 --> 01:00:38,640

um and how they are interacting with

1431

01:00:41,910 --> 01:00:39,839

each other and how well

1432

01:00:43,270 --> 01:00:41,920

uh their electrical charges are moving

1433

01:00:44,069 --> 01:00:43,280

between each other and you know all the

1434

01:00:45,829 --> 01:00:44,079

other things that

1435

01:00:47,589 --> 01:00:45,839

we still don't even like fully

1436

01:00:48,549 --> 01:00:47,599

understand how neurons work like the

1437

01:00:50,470 --> 01:00:48,559

neuroscience field

1438

01:00:52,710 --> 01:00:50,480

that is looking at that with scientists

1439

01:00:54,710 --> 01:00:52,720

still are releasing new papers

1440

01:00:57,030 --> 01:00:54,720

every year with slightly better

1441

01:00:57,990 --> 01:00:57,040

definitions of what exactly a neuron

1442

01:00:59,109 --> 01:00:58,000

really is

1443

01:01:01,750 --> 01:00:59,119

why they're there and how they

1444

01:01:03,670 --> 01:01:01,760

communicate with each other and um

1445

01:01:05,430 --> 01:01:03,680

you know that that's uh being fed into

1446

01:01:08,630 --> 01:01:05,440

all the people trying to build

1447

01:01:11,190 --> 01:01:08,640

uh brain emulating computers yes and

1448

01:01:12,950 --> 01:01:11,200

uh that's a big part of the ai move it

1449

01:01:14,309 --> 01:01:12,960

is let's take our break right here our

1450

01:01:15,030 --> 01:01:14,319

guest tonight the one and only greg

1451  
01:01:17,750 --> 01:01:15,040  
house

1452  
01:01:18,549 --> 01:01:17,760  
we're talking about tonight artificial

1453  
01:01:20,390 --> 01:01:18,559  
intelligence

1454  
01:01:22,069 --> 01:01:20,400  
and the singularity it's gonna be a

1455  
01:01:24,150 --> 01:01:22,079  
great conversation stay right there

1456  
01:01:26,150 --> 01:01:24,160  
it's a great start follow me on twitter

1457  
01:01:29,030 --> 01:01:26,160  
at jchurchradio follow greg

1458  
01:01:29,829 --> 01:01:29,040  
on twitter that's greg house greg with

1459  
01:01:33,750 --> 01:01:29,839  
two g's

1460  
01:01:36,829 --> 01:01:33,760  
and the little special blue check mark

1461  
01:01:55,589 --> 01:01:36,839  
greg stay right there we'll be right

1462  
01:02:00,150 --> 01:01:57,750  
this is fade to black with jimmy church

1463  
01:02:05,109 --> 01:02:00,160

on the game changer radio network

1464

01:02:07,589 --> 01:02:05,119

and kgra the global radio alliance

1465

01:02:08,630 --> 01:02:07,599

this is kgra digital broadcasting

1466

01:02:13,029 --> 01:02:08,640

station

1467

01:02:15,109 --> 01:02:13,039

salt lake city utah van buren arkansas

1468

01:02:16,710 --> 01:02:15,119

hello my name is billy carson and i'm a

1469

01:02:18,950 --> 01:02:16,720

best-selling author and the founder of

1470

01:02:20,870 --> 01:02:18,960

forbidden knowledge dot tv together with

1471

01:02:22,309 --> 01:02:20,880

my team we have built a all new content

1472

01:02:23,910 --> 01:02:22,319

streaming tv platform

1473

01:02:25,829 --> 01:02:23,920

designed with every family member in

1474

01:02:27,190 --> 01:02:25,839

mind if you have ever wanted to travel

1475

01:02:28,630 --> 01:02:27,200

the world and attend lectures and

1476  
01:02:29,750 --> 01:02:28,640  
workshops from your favorite speakers

1477  
01:02:32,390 --> 01:02:29,760  
but weren't able to

1478  
01:02:33,109 --> 01:02:32,400  
look no further forbidden knowledge dot

1479  
01:02:34,710 --> 01:02:33,119  
tv

1480  
01:02:36,630 --> 01:02:34,720  
there are dozens of workshops and

1481  
01:02:38,710 --> 01:02:36,640  
lectures from speakers you know and love

1482  
01:02:40,630 --> 01:02:38,720  
we have also included amazing categories

1483  
01:02:42,470 --> 01:02:40,640  
to assure that your consciousness is

1484  
01:02:43,109 --> 01:02:42,480  
entertained and elevating on a daily

1485  
01:02:45,190 --> 01:02:43,119  
basis

1486  
01:02:46,390 --> 01:02:45,200  
amazing interviews ancient history

1487  
01:02:48,390 --> 01:02:46,400  
ascension knowledge

1488  
01:02:49,510 --> 01:02:48,400

wisdom teachings documentaries

1489

01:02:51,750 --> 01:02:49,520

conspiracies

1490

01:02:54,470 --> 01:02:51,760

mysteries health and fitness conscious

1491

01:02:56,309 --> 01:02:54,480

cooking meditations finance yoga and so

1492

01:02:58,710 --> 01:02:56,319

much more to start your free trial

1493

01:03:00,870 --> 01:02:58,720

on any mobile device or computer surf to

1494

01:03:02,630 --> 01:03:00,880

forbidden knowledge dot tv

1495

01:03:05,750 --> 01:03:02,640

that's forbidden knowledge with the

1496

01:03:08,150 --> 01:03:05,760

number four forbidden knowledge dot tv

1497

01:03:11,029 --> 01:03:08,160

again visit forbidden knowledge dot tv

1498

01:03:16,630 --> 01:03:14,230

listen i know and you know that you've

1499

01:03:18,870 --> 01:03:16,640

always wanted your first crystal skull

1500

01:03:21,029 --> 01:03:18,880

or maybe you're a collector just like me

1501  
01:03:22,789 --> 01:03:21,039  
but you just don't know where to go to

1502  
01:03:26,109 --> 01:03:22,799  
find the real thing

1503  
01:03:27,510 --> 01:03:26,119  
then i met carolyn ford over at

1504  
01:03:29,910 --> 01:03:27,520  
einsteinthecrystalskull.com

1505  
01:03:31,910 --> 01:03:29,920  
carolyn is the guardian of einstein one

1506  
01:03:33,430 --> 01:03:31,920  
of the most respected ancient crystal

1507  
01:03:35,109 --> 01:03:33,440  
skulls in the world

1508  
01:03:37,349 --> 01:03:35,119  
all of her unique skulls have been

1509  
01:03:39,270 --> 01:03:37,359  
imprinted sitting with einstein in his

1510  
01:03:41,589 --> 01:03:39,280  
sacred lodge and are carved from the

1511  
01:03:43,750 --> 01:03:41,599  
finest gemstone and materials

1512  
01:03:45,910 --> 01:03:43,760  
imprinting is the process of receiving

1513  
01:03:49,109 --> 01:03:45,920

the ancient wisdom from the master

1514

01:03:49,670 --> 01:03:49,119

skull or master computer einstein the

1515

01:03:52,069 --> 01:03:49,680

ancient

1516

01:03:54,150 --> 01:03:52,079

crystal skull to see carolyn's current

1517

01:03:55,029 --> 01:03:54,160

collection of crystal skulls just visit

1518

01:03:57,910 --> 01:03:55,039

her store at

1519

01:03:59,990 --> 01:03:57,920

einstein the crystalskull.com or click

1520

01:04:02,390 --> 01:04:00,000

on the banner over on our site

1521

01:04:04,390 --> 01:04:02,400

don't forget to use the promo code jimmy

1522

01:04:06,950 --> 01:04:04,400

at checkout to receive 10

1523

01:04:07,670 --> 01:04:06,960

off of your order today that's promo

1524

01:04:10,230 --> 01:04:07,680

code

1525

01:04:11,510 --> 01:04:10,240

jimmy finding your first or next crystal

1526

01:04:14,230 --> 01:04:11,520

skull is easy

1527

01:04:17,029 --> 01:04:14,240

just visit einstein the crystal skull

1528

01:04:21,750 --> 01:04:19,190

when you take the beans from central

1529

01:04:23,029 --> 01:04:21,760

america with dashes of indonesian and

1530

01:04:25,270 --> 01:04:23,039

african mixed in

1531

01:04:26,710 --> 01:04:25,280

and then roasted to the dark side of

1532

01:04:29,910 --> 01:04:26,720

fade to black

1533

01:04:32,870 --> 01:04:29,920

you create the ultimate brew of fringe

1534

01:04:33,589 --> 01:04:32,880

introducing the fade to black blend from

1535

01:04:39,109 --> 01:04:33,599

river moon

1536

01:04:41,750 --> 01:04:39,119

customized roast was created for the

1537

01:04:44,309 --> 01:04:41,760

love of fade to black

1538

01:04:45,670 --> 01:04:44,319

the alchemy of masterful roasting and

1539

01:04:48,950 --> 01:04:45,680

smoking the beans

1540

01:04:52,470 --> 01:04:48,960

is in every sip of this full-bodied dark

1541

01:04:54,470 --> 01:04:52,480

java i need my coffee doc deep

1542

01:04:57,029 --> 01:04:54,480

with distinct bittersweet chocolate

1543

01:04:59,430 --> 01:04:57,039

highlights just like the bunker

1544

01:05:00,309 --> 01:04:59,440

leaning further into the darkness of the

1545

01:05:02,710 --> 01:05:00,319

roast is

1546

01:05:03,589 --> 01:05:02,720

fade to black blend from river moon

1547

01:05:05,309 --> 01:05:03,599

coffee

1548

01:05:07,270 --> 01:05:05,319

just click on the banner at

1549

01:05:08,470 --> 01:05:07,280

jimmychurchradio.com and use the promo

1550

01:05:12,150 --> 01:05:08,480

code f2b

1551

01:05:18,870 --> 01:05:12,160

blend for 15 off of your order today

1552

01:05:22,390 --> 01:05:18,880

go back lee tappy man jimmy church

1553

01:05:24,309 --> 01:05:22,400

on jimmychurchradio.com

1554

01:05:26,150 --> 01:05:24,319

hi this is ray sobs here repping the

1555

01:05:26,710 --> 01:05:26,160

planet and you're listening to my good

1556

01:05:29,670 --> 01:05:26,720

friend

1557

01:05:32,309 --> 01:05:29,680

jimmy church fade to black on the game

1558

01:05:35,430 --> 01:05:32,319

changer network and the kgra digital

1559

01:05:38,510 --> 01:05:35,440

broadcast station

1560

01:05:39,670 --> 01:05:38,520

this is toby kebble you're listening to

1561

01:05:42,710 --> 01:05:39,680

jimmychurchradio.com

1562

01:05:43,910 --> 01:05:42,720

don't hurt me jimmy i'm only little hey

1563

01:05:48,829 --> 01:05:43,920

i'm adrian grenier

1564

01:05:56,309 --> 01:05:52,630

brothers

1565

01:05:59,109 --> 01:05:56,319

listening to jimmy church

1566

01:06:00,789 --> 01:05:59,119

a revolution this is jimmy churchill

1567

01:06:03,029 --> 01:06:00,799

fade to black and you can become an

1568

01:06:03,990 --> 01:06:03,039

official fate or not by just going to

1569

01:06:08,309 --> 01:06:04,000

our membership

1570

01:06:10,309 --> 01:06:08,319

section at jimmychurchradio.com

1571

01:06:11,829 --> 01:06:10,319

hello this is serena wright taylor from

1572

01:06:13,670 --> 01:06:11,839

conscious life expo

1573

01:06:15,910 --> 01:06:13,680

and you're listening to fade to black

1574

01:06:18,150 --> 01:06:15,920

with jimmy church who holds the lucky

1575

01:06:18,630 --> 01:06:18,160

pony record for the best astrological

1576

01:06:22,789 --> 01:06:18,640

chart

1577

01:06:24,470 --> 01:06:22,799

since 1963. true story

1578

01:06:26,150 --> 01:06:24,480

this is micah hanks of the ghrelian

1579

01:06:27,589 --> 01:06:26,160

report and you're listening to jimmy

1580

01:06:29,349 --> 01:06:27,599

church on fade to black

1581

01:06:31,349 --> 01:06:29,359

across the globe on the game changer

1582

01:06:54,390 --> 01:06:31,359

radio network and the one and only

1583

01:06:57,670 --> 01:06:56,150

welcome back fade to black i'm your host

1584

01:06:59,270 --> 01:06:57,680

jimmy church

1585

01:07:01,349 --> 01:06:59,280

tonight greg house is here we're talking

1586

01:07:02,630 --> 01:07:01,359

about artificial intelligence and the

1587

01:07:06,230 --> 01:07:02,640

singularity

1588

01:07:09,589 --> 01:07:06,240

what it

1589

01:07:11,109 --> 01:07:09,599

may or may not be let's let's move on to

1590

01:07:11,910 --> 01:07:11,119

a couple of points that we brought up

1591

01:07:15,190 --> 01:07:11,920

earlier

1592

01:07:18,470 --> 01:07:15,200

uh greg if if you will and that is

1593

01:07:20,549 --> 01:07:18,480

nick bostrom and he is one of the most

1594

01:07:23,670 --> 01:07:20,559

quoted guys out there

1595

01:07:27,190 --> 01:07:23,680

and sam harris will constantly

1596

01:07:27,990 --> 01:07:27,200

go back and use that line from nick

1597

01:07:30,630 --> 01:07:28,000

bostrom

1598

01:07:32,390 --> 01:07:30,640

uh i'm not even going to paraphrase but

1599

01:07:35,990 --> 01:07:32,400

it has to do with

1600

01:07:39,109 --> 01:07:36,000

uh once agi

1601  
01:07:41,270 --> 01:07:39,119  
is achieved then these computers

1602  
01:07:42,710 --> 01:07:41,280  
not one but now you'll have a bank of

1603  
01:07:46,069 --> 01:07:42,720  
them will be

1604  
01:07:49,109 --> 01:07:46,079  
thinking at the speed of light and

1605  
01:07:52,309 --> 01:07:49,119  
they will do the work of

1606  
01:07:53,589 --> 01:07:52,319  
10 000 years of thinking by a hundred

1607  
01:07:56,309 --> 01:07:53,599  
scientists

1608  
01:07:58,710 --> 01:07:56,319  
in 24 hours right and it's like this

1609  
01:08:01,750 --> 01:07:58,720  
thing and it's a pretty scary statement

1610  
01:08:05,430 --> 01:08:01,760  
when you go and read nick's book

1611  
01:08:08,230 --> 01:08:05,440  
um that section of the book the book is

1612  
01:08:09,109 --> 01:08:08,240  
is not about that entirely in fact it's

1613  
01:08:12,150 --> 01:08:09,119

only about five

1614

01:08:15,190 --> 01:08:12,160  
sentences in the book but it is

1615

01:08:18,229 --> 01:08:15,200  
constantly quoted out there

1616

01:08:19,510 --> 01:08:18,239  
um is that do you see that as being a

1617

01:08:22,550 --> 01:08:19,520  
possibility

1618

01:08:24,870 --> 01:08:22,560  
that once agi is achieved that

1619

01:08:26,709 --> 01:08:24,880  
that country is the winner everybody

1620

01:08:30,229 --> 01:08:26,719  
else in the world loses

1621

01:08:34,070 --> 01:08:30,239  
and and the great race is over

1622

01:08:36,390 --> 01:08:34,080  
uh no um ai is being built

1623

01:08:38,470 --> 01:08:36,400  
uh kind of independently by so many

1624

01:08:41,910 --> 01:08:38,480  
countries that sure one's going to be

1625

01:08:45,749 --> 01:08:41,920  
first but the science behind it is

1626

01:08:48,470 --> 01:08:45,759

so open at this point that i just

1627

01:08:49,669 --> 01:08:48,480

the it's too hard for any one small

1628

01:08:51,590 --> 01:08:49,679

group of people to

1629

01:08:52,789 --> 01:08:51,600

come up with you know those final pieces

1630

01:08:54,550 --> 01:08:52,799

it's gonna take

1631

01:08:56,229 --> 01:08:54,560

a lot of people working together and

1632

01:08:57,590 --> 01:08:56,239

that's across borders

1633

01:08:59,269 --> 01:08:57,600

and so i don't think it's gonna be

1634

01:09:01,749 --> 01:08:59,279

confined to one country

1635

01:09:03,349 --> 01:09:01,759

um in terms of the speed at which it

1636

01:09:06,229 --> 01:09:03,359

goes i mean you have to remember

1637

01:09:07,910 --> 01:09:06,239

that we have like you know the top 500

1638

01:09:09,590 --> 01:09:07,920

list of super computers right you know

1639

01:09:11,910 --> 01:09:09,600

we we have computers that are only

1640

01:09:13,110 --> 01:09:11,920

so powerful so that step that ray

1641

01:09:14,709 --> 01:09:13,120

kurzweil talks about

1642

01:09:16,550 --> 01:09:14,719

in a couple of his write-ups and sam

1643

01:09:18,070 --> 01:09:16,560

harris mentions in a couple of his too

1644

01:09:20,550 --> 01:09:18,080

where the computer is going to have to

1645

01:09:21,910 --> 01:09:20,560

teach us how to build faster computers

1646

01:09:24,070 --> 01:09:21,920

and then soon it's going to be building

1647

01:09:25,990 --> 01:09:24,080

its own faster computers that step is

1648

01:09:28,709 --> 01:09:26,000

still necessary before we get to where

1649

01:09:30,149 --> 01:09:28,719

nick is talking about um you know when i

1650

01:09:32,789 --> 01:09:30,159

think about nick's stuff you know

1651

01:09:33,269 --> 01:09:32,799

i don't go too heavy on that because i

1652

01:09:37,430 --> 01:09:33,279

think

1653

01:09:39,430 --> 01:09:37,440

about the ethical side of you know

1654

01:09:40,709 --> 01:09:39,440

not only how to deal with the with the

1655

01:09:43,349 --> 01:09:40,719

ais but

1656

01:09:43,749 --> 01:09:43,359

whether it's ethical to even finish this

1657

01:09:45,910 --> 01:09:43,759

work

1658

01:09:47,749 --> 01:09:45,920

and turn it on in the first place he's

1659

01:09:49,349 --> 01:09:47,759

got a lot of writing on that and there's

1660

01:09:52,229 --> 01:09:49,359

some really cool stuff there

1661

01:09:54,470 --> 01:09:52,239

is it uh when we're talking about the

1662

01:09:57,510 --> 01:09:54,480

development look we have uh

1663

01:10:00,550 --> 01:09:57,520

uh switzerland and the brain project

1664

01:10:03,189 --> 01:10:00,560

uh we have china and the branatom

1665

01:10:04,229 --> 01:10:03,199

uh project the uk is working on theirs

1666

01:10:06,470 --> 01:10:04,239

and of course

1667

01:10:07,669 --> 01:10:06,480

we have the united states and ibm and

1668

01:10:11,270 --> 01:10:07,679

and google

1669

01:10:14,550 --> 01:10:11,280

and and others uh not counting darpa and

1670

01:10:15,430 --> 01:10:14,560

the other uh things that are uh pushing

1671

01:10:18,470 --> 01:10:15,440

forward

1672

01:10:19,830 --> 01:10:18,480

with this as fast as they can but all of

1673

01:10:23,350 --> 01:10:19,840

these projects

1674

01:10:26,390 --> 01:10:23,360

have fallen short the ai part of it is

1675

01:10:29,030 --> 01:10:26,400

fun and it's getting better but it's

1676

01:10:30,550 --> 01:10:29,040

not artificial intelligence by any

1677

01:10:33,270 --> 01:10:30,560

stretch is it

1678

01:10:34,229 --> 01:10:33,280

no and i mean there are a lot of people

1679

01:10:37,510 --> 01:10:34,239

even you know

1680

01:10:38,470 --> 01:10:37,520

deep in that field um that still believe

1681

01:10:41,910 --> 01:10:38,480

we're

1682

01:10:43,350 --> 01:10:41,920

at a minimum from the first glimpses

1683

01:10:45,669 --> 01:10:43,360

of anything that could even be

1684

01:10:48,630 --> 01:10:45,679

considered ai for real we're

1685

01:10:50,070 --> 01:10:48,640

a decade away and a lot of the more

1686

01:10:52,630 --> 01:10:50,080

respected people in the field

1687

01:10:53,910 --> 01:10:52,640

uh you know even upwards of a year ago

1688

01:10:56,390 --> 01:10:53,920

we're still saying we're

1689

01:10:57,350 --> 01:10:56,400

30 to 50 years away from agi

1690

01:11:00,390 --> 01:10:57,360

specifically

1691

01:11:04,310 --> 01:11:00,400

um we'll have a lot of stuff that looks

1692

01:11:06,790 --> 01:11:04,320

like agi but isn't honestly agi you know

1693

01:11:08,709 --> 01:11:06,800

you can make little robots that uh

1694

01:11:10,310 --> 01:11:08,719

answer questions siri can definitely

1695

01:11:11,990 --> 01:11:10,320

hold a conversation better

1696

01:11:13,669 --> 01:11:12,000

than anything could have 20 years ago

1697

01:11:16,310 --> 01:11:13,679

right but it's not

1698

01:11:17,430 --> 01:11:16,320

intelligent in any way it is trained on

1699

01:11:20,950 --> 01:11:17,440

models

1700

01:11:23,590 --> 01:11:20,960

uh so i i'm of the mind that we're still

1701

01:11:24,630 --> 01:11:23,600

at least 10 to 15 years away from seeing

1702

01:11:26,870 --> 01:11:24,640

something that's

1703

01:11:28,390 --> 01:11:26,880

that's truly uh the the beginnings of

1704

01:11:31,910 --> 01:11:28,400

real ai

1705

01:11:35,590 --> 01:11:31,920

the uh the other part of this

1706

01:11:38,470 --> 01:11:35,600

is that when we look at uh

1707

01:11:41,189 --> 01:11:38,480

europa's brain project specifically

1708

01:11:44,550 --> 01:11:41,199

there is a guarantee

1709

01:11:47,830 --> 01:11:44,560

that uh a.i

1710

01:11:51,030 --> 01:11:47,840

was going to do a ted

1711

01:11:54,709 --> 01:11:51,040

talk right yeah right and

1712

01:11:58,070 --> 01:11:54,719

it was supposed to be done by 2017. um

1713

01:12:01,350 --> 01:11:58,080

and that and the goal of the brain

1714

01:12:04,550 --> 01:12:01,360

project is to have every

1715

01:12:05,669 --> 01:12:04,560

neuron in the human brain mapped on a

1716

01:12:09,590 --> 01:12:05,679

computer

1717

01:12:13,830 --> 01:12:09,600

now that's that's getting pretty heavy

1718

01:12:15,350 --> 01:12:13,840

and they they got 1.6 billion dollars i

1719

01:12:16,470 --> 01:12:15,360

think is is what they got for the

1720

01:12:19,590 --> 01:12:16,480

project

1721

01:12:20,630 --> 01:12:19,600

uh a huge bank of scientists a nice

1722

01:12:22,630 --> 01:12:20,640

building

1723

01:12:24,149 --> 01:12:22,640

uh there in switzerland and they moved

1724

01:12:26,630 --> 01:12:24,159

forward on the project

1725

01:12:28,630 --> 01:12:26,640

and uh eventually everybody threw up

1726

01:12:31,430 --> 01:12:28,640

their hands going you know what this

1727

01:12:32,870 --> 01:12:31,440

these are impossible goals this this

1728

01:12:35,110 --> 01:12:32,880

just can't happen

1729

01:12:36,229 --> 01:12:35,120

well now i will say that if you read

1730

01:12:37,590 --> 01:12:36,239

some of the kind of the

1731

01:12:39,510 --> 01:12:37,600

the people who have left the project

1732

01:12:41,350 --> 01:12:39,520

they've all written their own

1733

01:12:43,189 --> 01:12:41,360

idea of a postmortem none of them have

1734

01:12:43,830 --> 01:12:43,199

said it's impossible what they've said

1735

01:12:46,070 --> 01:12:43,840

is

1736

01:12:49,030 --> 01:12:46,080

uh we we need another like 10 years of

1737

01:12:52,149 --> 01:12:49,040

speed increases and storage increases

1738

01:12:54,149 --> 01:12:52,159

uh before we're anywhere near the uh the

1739

01:12:54,550 --> 01:12:54,159

level needed to do this uh the science

1740

01:12:56,709 --> 01:12:54,560

and the

1741

01:12:58,310 --> 01:12:56,719

technology isn't there yet but that's

1742

01:12:59,189 --> 01:12:58,320

why projects like them are important i

1743

01:13:02,149 --> 01:12:59,199

mean

1744

01:13:02,790 --> 01:13:02,159

when you look at what agi will give us

1745

01:13:04,630 --> 01:13:02,800

if

1746

01:13:06,790 --> 01:13:04,640

done right again and not the scary

1747

01:13:08,550 --> 01:13:06,800

version where we become pets or food

1748

01:13:10,550 --> 01:13:08,560

but the kind that decides that it wants

1749

01:13:12,709 --> 01:13:10,560

to help us out and be our friend uh

1750

01:13:15,030 --> 01:13:12,719

if we get that version of it then you

1751

01:13:16,070 --> 01:13:15,040

can imagine cures for many diseases you

1752

01:13:18,950 --> 01:13:16,080

can imagine

1753

01:13:21,189 --> 01:13:18,960

you know better uh better resource usage

1754

01:13:22,470 --> 01:13:21,199

and uh just all kinds of optimizations

1755

01:13:23,590 --> 01:13:22,480

around how we live

1756

01:13:25,189 --> 01:13:23,600

and depending on if you're a

1757

01:13:26,950 --> 01:13:25,199

transhumanist or not then you can also

1758

01:13:27,750 --> 01:13:26,960

imagine tons of upgrades to the human

1759

01:13:29,590 --> 01:13:27,760

body

1760

01:13:31,110 --> 01:13:29,600

uh but that's all up to you whether you

1761

01:13:32,070 --> 01:13:31,120

actually want to do that to yourself of

1762

01:13:35,189 --> 01:13:32,080

course

1763

01:13:37,030 --> 01:13:35,199

um you know so i don't know i

1764

01:13:38,790 --> 01:13:37,040

i don't think the brain uh the brain

1765

01:13:40,149 --> 01:13:38,800

project uh that they're doing there is

1766

01:13:42,390 --> 01:13:40,159

is any kind of a failure

1767

01:13:43,990 --> 01:13:42,400

no i think it's just the next move yeah

1768

01:13:46,390 --> 01:13:44,000

well obviously

1769

01:13:47,669 --> 01:13:46,400

uh it's a great project what the

1770

01:13:50,790 --> 01:13:47,679

scientists said

1771

01:13:54,229 --> 01:13:50,800

i think 800 signed the letter right

1772

01:13:57,350 --> 01:13:54,239

to the eu saying that the goals

1773

01:14:00,870 --> 01:13:57,360

were impossible the goals right

1774

01:14:03,590 --> 01:14:00,880

everything that was out that's that they

1775

01:14:05,430 --> 01:14:03,600

they they were impossible to meet and

1776

01:14:06,950 --> 01:14:05,440

they needed to go back and revisit it

1777

01:14:07,590 --> 01:14:06,960

let's get a new set of goals and keep

1778

01:14:10,470 --> 01:14:07,600

this going

1779

01:14:12,470 --> 01:14:10,480

the project is still there right yeah

1780

01:14:13,189 --> 01:14:12,480

beautiful building the rolex building

1781

01:14:15,030 --> 01:14:13,199

that's like

1782

01:14:16,709 --> 01:14:15,040

the big problem is that you know the way

1783

01:14:19,430 --> 01:14:16,719

they worded their initial goals

1784

01:14:21,910 --> 01:14:19,440

was uh a little too strict you know the

1785

01:14:24,709 --> 01:14:21,920

idea of mapping the neurons i mean

1786

01:14:25,750 --> 01:14:24,719

i would have loved a first version of

1787

01:14:29,430 --> 01:14:25,760

the product

1788

01:14:32,229 --> 01:14:29,440

to actually um explain how neurons work

1789

01:14:34,149 --> 01:14:32,239

um you know i mean again if you again if

1790

01:14:36,070 --> 01:14:34,159

you talk to the major scientists in the

1791

01:14:38,149 --> 01:14:36,080

space including ones that work there

1792

01:14:39,750 --> 01:14:38,159

and uh i've had the privilege of hearing

1793

01:14:43,750 --> 01:14:39,760

talks by many of them

1794

01:14:45,669 --> 01:14:43,760

um the um the the deep understanding of

1795

01:14:48,390 --> 01:14:45,679

exactly how a neuron

1796

01:14:50,310 --> 01:14:48,400

works for us uh in groups and pairs how

1797

01:14:52,149 --> 01:14:50,320

the complex calculations actually happen

1798

01:14:54,550 --> 01:14:52,159

between them when they're firing

1799

01:14:56,310 --> 01:14:54,560

why the electrical signals go from this

1800

01:14:57,750 --> 01:14:56,320

one to that one and not down the other

1801  
01:14:59,830 --> 01:14:57,760  
path

1802  
01:15:00,870 --> 01:14:59,840  
they still don't have all of that mapped

1803  
01:15:02,709 --> 01:15:00,880  
out so

1804  
01:15:05,110 --> 01:15:02,719  
instead of saying the project's going to

1805  
01:15:07,270 --> 01:15:05,120  
deliver on this grandiose

1806  
01:15:09,270 --> 01:15:07,280  
bigger idea of say being able to

1807  
01:15:11,669 --> 01:15:09,280  
generate some kind of a talk

1808  
01:15:13,189 --> 01:15:11,679  
uh let's say that the first version of

1809  
01:15:16,149 --> 01:15:13,199  
an output from this project

1810  
01:15:16,550 --> 01:15:16,159  
is we've built enough artificial neurons

1811  
01:15:19,669 --> 01:15:16,560  
and

1812  
01:15:22,550 --> 01:15:19,679  
figured out

1813  
01:15:24,229 --> 01:15:22,560

why neurons do what they do that would

1814

01:15:25,590 --> 01:15:24,239

have been a great first step and i think

1815

01:15:27,590 --> 01:15:25,600

they reached a little too far

1816

01:15:29,030 --> 01:15:27,600

early and now they're kind of resetting

1817

01:15:31,030 --> 01:15:29,040

back to build a

1818

01:15:33,189 --> 01:15:31,040

a layer of milestones if you will like

1819

01:15:33,669 --> 01:15:33,199

you know a road map to get to that final

1820

01:15:35,590 --> 01:15:33,679

step

1821

01:15:37,510 --> 01:15:35,600

yeah you're right about that uh i've

1822

01:15:40,630 --> 01:15:37,520

been uh reporting on this

1823

01:15:42,630 --> 01:15:40,640

and studying it very very closely uh

1824

01:15:46,390 --> 01:15:42,640

it's a very interesting project

1825

01:15:49,990 --> 01:15:46,400

now what i have uh thought

1826

01:15:53,990 --> 01:15:50,000

i've said this many times but

1827

01:15:55,830 --> 01:15:54,000

do you think that those out there

1828

01:15:57,669 --> 01:15:55,840

that are working on these projects and

1829

01:15:59,750 --> 01:15:57,679

every country is in the game japan's in

1830

01:16:02,149 --> 01:15:59,760

the game canada is in the game

1831

01:16:03,830 --> 01:16:02,159

uh australia's in the game united states

1832

01:16:07,030 --> 01:16:03,840

of course the united kingdom russia

1833

01:16:09,270 --> 01:16:07,040

china they're all in israel

1834

01:16:10,390 --> 01:16:09,280

right they're all in the game right now

1835

01:16:12,709 --> 01:16:10,400

uh trying to

1836

01:16:14,470 --> 01:16:12,719

uh create a human brain and achieve

1837

01:16:17,189 --> 01:16:14,480

artificial intelligence

1838

01:16:18,950 --> 01:16:17,199

but do you think that they have uh

1839

01:16:22,950 --> 01:16:18,960

gotten ahead of their skis

1840

01:16:25,430 --> 01:16:22,960

in in the ideas of what the code may be

1841

01:16:25,990 --> 01:16:25,440

should they pull it back and maybe think

1842

01:16:29,590 --> 01:16:26,000

about

1843

01:16:32,870 --> 01:16:29,600

very very very simple code

1844

01:16:33,590 --> 01:16:32,880

and allow that very simple code to grow

1845

01:16:36,709 --> 01:16:33,600

and develop

1846

01:16:38,310 --> 01:16:36,719

like a child does so

1847

01:16:40,470 --> 01:16:38,320

you know this is a really interesting

1848

01:16:40,790 --> 01:16:40,480

part of the conversation here because i

1849

01:16:42,709 --> 01:16:40,800

do

1850

01:16:44,550 --> 01:16:42,719

think uh that the building blocks need

1851

01:16:48,070 --> 01:16:44,560

to start earlier like that uh

1852

01:16:50,950 --> 01:16:48,080

one when you think about our version of

1853

01:16:52,630 --> 01:16:50,960

intelligence and and how we form it and

1854

01:16:55,270 --> 01:16:52,640

going back to even your earlier comments

1855

01:16:57,350 --> 01:16:55,280

about the emotional ties to things like

1856

01:16:58,709 --> 01:16:57,360

why you chose the blue car right you

1857

01:17:02,070 --> 01:16:58,719

know all of that is

1858

01:17:04,070 --> 01:17:02,080

is is early uh early formations

1859

01:17:05,510 --> 01:17:04,080

uh based on the way that that children

1860

01:17:07,270 --> 01:17:05,520

learn so

1861

01:17:09,030 --> 01:17:07,280

you know it's it's nature nurture it's

1862

01:17:09,669 --> 01:17:09,040

all these other arguments that we have

1863

01:17:11,669 --> 01:17:09,679

as is

1864

01:17:13,189 --> 01:17:11,679

as humans and there's people on every

1865

01:17:14,870 --> 01:17:13,199

side of it right you know

1866

01:17:16,390 --> 01:17:14,880

do you spank your child or not you know

1867

01:17:17,750 --> 01:17:16,400

there's there's a thousand arguments to

1868

01:17:20,470 --> 01:17:17,760

talk about right

1869

01:17:22,229 --> 01:17:20,480

and ai i personally think if we're going

1870

01:17:23,830 --> 01:17:22,239

to have an agi that actually is

1871

01:17:26,950 --> 01:17:23,840

beneficial to us

1872

01:17:29,270 --> 01:17:26,960

it almost needs to grow up um it needs

1873

01:17:31,510 --> 01:17:29,280

to go through those initial stages

1874

01:17:32,470 --> 01:17:31,520

in that initial data set that builds out

1875

01:17:35,030 --> 01:17:32,480

whatever it's

1876

01:17:36,470 --> 01:17:35,040

let's call it conscious uh for lack of a

1877

01:17:39,830 --> 01:17:36,480

better term right now

1878

01:17:41,350 --> 01:17:39,840

happens to turn out to be um you know

1879

01:17:43,030 --> 01:17:41,360

my wife does this this funny thing

1880

01:17:45,270 --> 01:17:43,040

whenever we're talking about this type

1881

01:17:47,350 --> 01:17:45,280

stuff with people is she reminds them to

1882

01:17:47,750 --> 01:17:47,360

hug the next robot they see because you

1883

01:17:48,950 --> 01:17:47,760

know

1884

01:17:51,030 --> 01:17:48,960

we want to make sure that all these

1885

01:17:52,390 --> 01:17:51,040

robots as as they start to become bigger

1886

01:17:55,110 --> 01:17:52,400

and better things uh

1887

01:17:55,669 --> 01:17:55,120

remember that we're nice to them you're

1888

01:17:57,270 --> 01:17:55,679

okay

1889

01:17:59,669 --> 01:17:57,280

now listen that goes back to

1890

01:18:01,350 --> 01:17:59,679

consciousness too as well let's not

1891

01:18:04,390 --> 01:18:01,360

forget about that

1892

01:18:07,590 --> 01:18:04,400

how much consciousness is there

1893

01:18:10,790 --> 01:18:07,600

you know what if you um if you're

1894

01:18:14,149 --> 01:18:10,800

if you're mean to your car right

1895

01:18:15,669 --> 01:18:14,159

and you talk smack and then you go out

1896

01:18:17,669 --> 01:18:15,679

and you're late for work and your car

1897

01:18:19,189 --> 01:18:17,679

doesn't start well you need to think

1898

01:18:22,630 --> 01:18:19,199

about why

1899

01:18:24,630 --> 01:18:22,640

right and that big there is something

1900

01:18:28,229 --> 01:18:24,640

about be nice to your car

1901

01:18:31,189 --> 01:18:28,239

wash it talk to it you know it

1902

01:18:31,910 --> 01:18:31,199

it it'll always start there's something

1903

01:18:34,229 --> 01:18:31,920

how about that

1904

01:18:36,630 --> 01:18:34,239

yeah you know what i'm saying but i'm

1905

01:18:38,950 --> 01:18:36,640

there with you on the general idea

1906

01:18:40,390 --> 01:18:38,960

you know what i'm saying yeah yeah i do

1907

01:18:43,669 --> 01:18:40,400

i do i know uh

1908

01:18:46,709 --> 01:18:43,679

plants and and just things

1909

01:18:50,070 --> 01:18:46,719

it makes you wonder you know how

1910

01:18:53,189 --> 01:18:50,080

aware is your smart home you know

1911

01:18:53,990 --> 01:18:53,199

how aware uh are these things that are

1912

01:18:57,270 --> 01:18:54,000

around you now

1913

01:19:00,790 --> 01:18:57,280

where the the the possibility of

1914

01:19:01,510 --> 01:19:00,800

uh life and and sentient is the right

1915

01:19:04,229 --> 01:19:01,520

word

1916

01:19:05,189 --> 01:19:04,239

how much of it what percentage of it may

1917

01:19:07,430 --> 01:19:05,199

be there

1918

01:19:08,709 --> 01:19:07,440

because that's just the way the universe

1919

01:19:11,750 --> 01:19:08,719

works

1920

01:19:13,510 --> 01:19:11,760

sure and that that comes down to um what

1921

01:19:13,910 --> 01:19:13,520

you believe sentience really is and what

1922

01:19:15,270 --> 01:19:13,920

it means

1923

01:19:17,270 --> 01:19:15,280

what consciousness really is and we're

1924

01:19:18,709 --> 01:19:17,280

still we're still putting our

1925

01:19:20,470 --> 01:19:18,719

our fingers on that one we're still

1926

01:19:21,750 --> 01:19:20,480

getting closer and closer to it but

1927

01:19:23,910 --> 01:19:21,760

don't i think

1928

01:19:25,590 --> 01:19:23,920

have it totally figured out i mean again

1929

01:19:26,790 --> 01:19:25,600

with everything down to even our neurons

1930

01:19:28,310 --> 01:19:26,800

we still don't know exactly how they

1931

01:19:30,390 --> 01:19:28,320

work we don't have

1932

01:19:32,070 --> 01:19:30,400

real good uh we have rough uh

1933

01:19:32,550 --> 01:19:32,080

definitions of half of these things but

1934

01:19:34,310 --> 01:19:32,560

you know

1935

01:19:35,830 --> 01:19:34,320

that's the best part about science is

1936

01:19:37,030 --> 01:19:35,840

you get to keep learning it keeps

1937

01:19:38,470 --> 01:19:37,040

changing it keeps getting better it

1938

01:19:40,470 --> 01:19:38,480

keeps getting stronger i i

1939

01:19:42,149 --> 01:19:40,480

it's one of the things that makes me

1940

01:19:43,910 --> 01:19:42,159

always keep up with it you know no

1941

01:19:45,750 --> 01:19:43,920

matter what i think i know tomorrow it

1942

01:19:47,830 --> 01:19:45,760

might be slightly improved

1943

01:19:48,950 --> 01:19:47,840

and and i love that i just love that

1944

01:19:51,669 --> 01:19:48,960

stuff but you know

1945

01:19:52,950 --> 01:19:51,679

we were talking about the the childlike

1946

01:19:55,590 --> 01:19:52,960

nature of

1947

01:19:57,590 --> 01:19:55,600

how i think early agis should really go

1948

01:19:58,709 --> 01:19:57,600

and i i think it's just

1949

01:20:00,870 --> 01:19:58,719

you know when you look at how a child

1950

01:20:02,229 --> 01:20:00,880

learns at a young age what they consume

1951

01:20:05,030 --> 01:20:02,239

how they consume it

1952

01:20:07,830 --> 01:20:05,040

and even how they integrate with the

1953

01:20:09,430 --> 01:20:07,840

community around them who they choose to

1954

01:20:11,110 --> 01:20:09,440

start you know associating you know you

1955

01:20:12,470 --> 01:20:11,120

always see those kids that you know even

1956

01:20:14,629 --> 01:20:12,480

if both parents are great to them for

1957

01:20:17,110 --> 01:20:14,639

some reason it's just a mama's boy or

1958

01:20:18,790 --> 01:20:17,120

it's a daddy's girl or you know any of

1959

01:20:20,390 --> 01:20:18,800

you know as you grow

1960

01:20:22,070 --> 01:20:20,400

all of these things start to just come

1961

01:20:23,990 --> 01:20:22,080

out about your personality

1962

01:20:25,910 --> 01:20:24,000

based on your interactions with the

1963

01:20:29,189 --> 01:20:25,920

world and if we're just gonna

1964

01:20:30,229 --> 01:20:29,199

suddenly plop an adult agi on the world

1965

01:20:31,830 --> 01:20:30,239

like

1966

01:20:33,510 --> 01:20:31,840

if we're expecting it to actually have

1967

01:20:35,350 --> 01:20:33,520

consciousness and anything that we would

1968

01:20:37,110 --> 01:20:35,360

understand is consciousness and not

1969

01:20:39,590 --> 01:20:37,120

some new thing that we're not going to

1970

01:20:41,030 --> 01:20:39,600

recognize um then it needs to go through

1971

01:20:44,629 --> 01:20:41,040

those types of experiences

1972

01:20:46,870 --> 01:20:44,639

and um so i do think there there's some

1973

01:20:48,550 --> 01:20:46,880

way that you know the early ai work

1974

01:20:50,709 --> 01:20:48,560

needs to happen where

1975

01:20:52,470 --> 01:20:50,719

it's building out something that slowly

1976

01:20:55,189 --> 01:20:52,480

through goal and achievement

1977

01:20:57,750 --> 01:20:55,199

starts to build up its early personality

1978

01:20:59,830 --> 01:20:57,760

and understanding and in that building

1979

01:21:01,830 --> 01:20:59,840

it can be nurtured it can be coddled it

1980

01:21:03,030 --> 01:21:01,840

can be you know treated like a loved

1981

01:21:04,709 --> 01:21:03,040

child and um

1982

01:21:06,470 --> 01:21:04,719

i think that will go a long way to

1983

01:21:08,629 --> 01:21:06,480

making a much more

1984

01:21:09,990 --> 01:21:08,639

uh i don't know conductive kind of

1985

01:21:13,830 --> 01:21:10,000

relationship between us

1986

01:21:14,470 --> 01:21:13,840

and them is it uh are the foundations

1987

01:21:17,270 --> 01:21:14,480

with

1988

01:21:19,430 --> 01:21:17,280

machine learning right a lot of it

1989

01:21:21,110 --> 01:21:19,440

starts there

1990

01:21:22,870 --> 01:21:21,120

you you have to have something to get

1991

01:21:23,990 --> 01:21:22,880

the initial thing off the ground right

1992

01:21:26,550 --> 01:21:24,000

so we had to

1993

01:21:27,270 --> 01:21:26,560

we had to have a way to model lots of

1994

01:21:30,790 --> 01:21:27,280

data

1995

01:21:33,189 --> 01:21:30,800

in in in huge functions and

1996

01:21:34,070 --> 01:21:33,199

giant systems and machine learning was

1997

01:21:37,189 --> 01:21:34,080

really our our

1998

01:21:39,110 --> 01:21:37,199

first way to deal with that that wasn't

1999

01:21:40,629 --> 01:21:39,120

just relational like old school

2000

01:21:42,870 --> 01:21:40,639

databases right

2001

01:21:43,990 --> 01:21:42,880

and uh so it is definitely the early

2002

01:21:45,430 --> 01:21:44,000

foundations

2003

01:21:46,550 --> 01:21:45,440

but uh you know machine learning is a

2004

01:21:47,510 --> 01:21:46,560

term that a lot of people are just

2005

01:21:49,110 --> 01:21:47,520

hearing now

2006

01:21:50,870 --> 01:21:49,120

it's been a data science term that's

2007

01:21:53,350 --> 01:21:50,880

been used in technology for

2008

01:21:53,910 --> 01:21:53,360

i mean two decades yes long it's just

2009

01:21:56,070 --> 01:21:53,920

sure

2010

01:21:57,750 --> 01:21:56,080

yeah but it's just well i mean in in

2011

01:21:58,950 --> 01:21:57,760

terminology that you could like i could

2012

01:22:01,350 --> 01:21:58,960

actually access

2013

01:22:02,629 --> 01:22:01,360

uh it was in you know in colleges and in

2014

01:22:04,070 --> 01:22:02,639

you know scientific laboratories and

2015

01:22:05,590 --> 01:22:04,080

whatnot before that

2016

01:22:07,350 --> 01:22:05,600

but um it's just now to a point where

2017

01:22:08,870 --> 01:22:07,360

anyone can hop online and you can go to

2018

01:22:11,189 --> 01:22:08,880

google and if you want sign up for their

2019

01:22:12,629 --> 01:22:11,199

cloud platform and load up a machine

2020

01:22:14,149 --> 01:22:12,639

learning instance and start playing with

2021

01:22:17,350 --> 01:22:14,159

it you know

2022

01:22:18,310 --> 01:22:17,360

well okay and and it makes me think

2023

01:22:21,750 --> 01:22:18,320

about

2024

01:22:24,790 --> 01:22:21,760

the simplicity of the the go

2025

01:22:27,110 --> 01:22:24,800

system over in south korea

2026

01:22:28,870 --> 01:22:27,120

a few years ago which is still one of

2027

01:22:31,189 --> 01:22:28,880

the best documentaries i've seen on

2028

01:22:32,149 --> 01:22:31,199

artificial intelligence and machine

2029

01:22:34,709 --> 01:22:32,159

learning

2030

01:22:35,669 --> 01:22:34,719

where that system you know to beat the

2031

01:22:37,990 --> 01:22:35,679

world's top

2032

01:22:38,950 --> 01:22:38,000

go player chess is a whole nother thing

2033

01:22:42,070 --> 01:22:38,960

chess is

2034

01:22:44,310 --> 01:22:42,080

simplistic compared to uh go

2035

01:22:45,750 --> 01:22:44,320

i think i heard a statistic i don't know

2036

01:22:48,950 --> 01:22:45,760

how accurate it is

2037

01:22:52,070 --> 01:22:48,960

but it shows you how daunting go is that

2038

01:22:57,270 --> 01:22:52,080

there are more moves in go than there

2039

01:23:00,709 --> 01:22:59,270

i mean this is not a brag because you

2040

01:23:02,629 --> 01:23:00,719

have to listen to all of it but i'm

2041

01:23:05,669 --> 01:23:02,639

actually pretty damn good at chess

2042

01:23:07,669 --> 01:23:05,679

um i couldn't beat the weakest lowest

2043

01:23:08,629 --> 01:23:07,679

rank go player if you gave me a hundred

2044

01:23:11,910 --> 01:23:08,639

years to study

2045

01:23:14,310 --> 01:23:11,920

that's right i i know i am

2046

01:23:15,189 --> 01:23:14,320

horrible at it and i just i look at it

2047

01:23:17,270 --> 01:23:15,199

confused

2048

01:23:18,709 --> 01:23:17,280

and i know the moves i mean like i do

2049

01:23:22,229 --> 01:23:18,719

too

2050

01:23:25,990 --> 01:23:22,239

no no the rules are simple

2051

01:23:29,430 --> 01:23:26,000

i mean no they they there's like three

2052

01:23:32,310 --> 01:23:29,440

like that's it many patterns i guess

2053

01:23:34,149 --> 01:23:32,320

every time oh it's incredible but what

2054

01:23:37,430 --> 01:23:34,159

they ended up doing with that

2055

01:23:39,110 --> 01:23:37,440

system was instead of loading every go

2056

01:23:41,350 --> 01:23:39,120

game in the history of go

2057

01:23:43,430 --> 01:23:41,360

right which is kind of what they did

2058

01:23:45,750 --> 01:23:43,440

with ibm back in the day

2059

01:23:46,629 --> 01:23:45,760

you know every historical chess match

2060

01:23:48,470 --> 01:23:46,639

right okay

2061

01:23:49,750 --> 01:23:48,480

and they tried to do and they backed up

2062

01:23:51,030 --> 01:23:49,760

and went wait a minute let's just go

2063

01:23:53,030 --> 01:23:51,040

with machine learning

2064

01:23:54,070 --> 01:23:53,040

let this thing learn the player that

2065

01:23:57,430 --> 01:23:54,080

it's playing

2066

01:23:59,590 --> 01:23:57,440

and then play against him right

2067

01:24:00,629 --> 01:23:59,600

and suddenly they went with this simple

2068

01:24:03,430 --> 01:24:00,639

code and they

2069

01:24:05,270 --> 01:24:03,440

ended up kicking ass and taking names

2070

01:24:07,590 --> 01:24:05,280

and it shocked everybody

2071

01:24:09,189 --> 01:24:07,600

and again it was the opposite of this

2072

01:24:12,229 --> 01:24:09,199

complex

2073

01:24:13,510 --> 01:24:12,239

huge amounts of data right let's take

2074

01:24:16,870 --> 01:24:13,520

all the data away

2075

01:24:18,550 --> 01:24:16,880

let's teach it the rules and machine

2076

01:24:23,910 --> 01:24:18,560

learning against the other player

2077

01:24:27,270 --> 01:24:25,830

yeah you know i mean it's just like we

2078

01:24:28,870 --> 01:24:27,280

were talking about going back to like

2079

01:24:30,229 --> 01:24:28,880

some more childlike behavior and

2080

01:24:32,790 --> 01:24:30,239

learning uh you know

2081

01:24:34,709 --> 01:24:32,800

break things down to their component

2082

01:24:35,910 --> 01:24:34,719

pieces uh and i think that's where we're

2083

01:24:38,149 --> 01:24:35,920

going to end up

2084

01:24:39,110 --> 01:24:38,159

but it's also just like the the major

2085

01:24:40,229 --> 01:24:39,120

kind of uh

2086

01:24:42,070 --> 01:24:40,239

scientific understanding of

2087

01:24:43,510 --> 01:24:42,080

consciousness at this point you know

2088

01:24:45,030 --> 01:24:43,520

it's it's broken down into smaller

2089

01:24:48,470 --> 01:24:45,040

pieces too it's

2090

01:24:50,070 --> 01:24:48,480

they break it down into how the specific

2091

01:24:51,830 --> 01:24:50,080

pieces of your brain that can be

2092

01:24:53,990 --> 01:24:51,840

considered distinct from each other

2093

01:24:55,030 --> 01:24:54,000

interact with each other that that

2094

01:24:56,870 --> 01:24:55,040

combination

2095

01:24:59,270 --> 01:24:56,880

and of course the chemical balance put

2096

01:24:59,750 --> 01:24:59,280

together is what your consciousness is

2097

01:25:03,590 --> 01:24:59,760

now

2098

01:25:05,430 --> 01:25:03,600

hui to me i mean it's still

2099

01:25:07,030 --> 01:25:05,440

it doesn't actually mean anything right

2100

01:25:08,950 --> 01:25:07,040

it's just a bunch of words but right

2101  
01:25:10,709 --> 01:25:08,960  
it gives you something to start to think

2102  
01:25:13,030 --> 01:25:10,719  
about what might be conscious

2103  
01:25:14,629 --> 01:25:13,040  
but to that end you know you think about

2104  
01:25:15,350 --> 01:25:14,639  
it like a lot of small parts starting to

2105  
01:25:17,510 --> 01:25:15,360  
work together

2106  
01:25:18,390 --> 01:25:17,520  
create the whole and and just like with

2107  
01:25:20,790 --> 01:25:18,400  
the go thing you know

2108  
01:25:22,709 --> 01:25:20,800  
it wasn't about learning the uh

2109  
01:25:24,629 --> 01:25:22,719  
trillions upon trillions upon trillions

2110  
01:25:26,629 --> 01:25:24,639  
of moves that were possible

2111  
01:25:27,669 --> 01:25:26,639  
it was about learning the fundamentals

2112  
01:25:29,910 --> 01:25:27,679  
of the game

2113  
01:25:31,110 --> 01:25:29,920

and of the other players which was a far

2114

01:25:33,750 --> 01:25:31,120

easier task

2115

01:25:35,430 --> 01:25:33,760

i remember uh i actually want to stay on

2116

01:25:37,669 --> 01:25:35,440

this to the break

2117

01:25:40,070 --> 01:25:37,679

there was in that documentary i can't

2118

01:25:43,750 --> 01:25:40,080

remember the player's name

2119

01:25:46,870 --> 01:25:43,760

but there was a move at one point

2120

01:25:48,870 --> 01:25:46,880

that the go made

2121

01:25:50,950 --> 01:25:48,880

that was on the other side of the board

2122

01:25:53,910 --> 01:25:50,960

and made no sense

2123

01:25:54,229 --> 01:25:53,920

right and everybody stopped another you

2124

01:25:56,790 --> 01:25:54,239

know

2125

01:25:57,750 --> 01:25:56,800

the broadcasters are like what's this

2126

01:25:59,270 --> 01:25:57,760

all about

2127

01:26:02,229 --> 01:25:59,280

and you watched what's his name the

2128

01:26:03,590 --> 01:26:02,239

world champion just kind of wince

2129

01:26:05,189 --> 01:26:03,600

you remember that he kind of just kind

2130

01:26:06,070 --> 01:26:05,199

of jumped back and he's looking he's

2131

01:26:08,229 --> 01:26:06,080

like now what's

2132

01:26:09,750 --> 01:26:08,239

that all about no one had never ever

2133

01:26:12,950 --> 01:26:09,760

done that move to him before

2134

01:26:17,669 --> 01:26:12,960

and it was and the move made no sense

2135

01:26:20,390 --> 01:26:17,679

it was like two turns later he resigns

2136

01:26:20,870 --> 01:26:20,400

oh yeah he saw it coming that was that

2137

01:26:29,990 --> 01:26:20,880

was

2138

01:26:31,510 --> 01:26:30,000

other successes with uh the go computer

2139

01:26:34,950 --> 01:26:31,520

after that but

2140

01:26:37,350 --> 01:26:34,960

uh it's it's no longer a challenge

2141

01:26:38,070 --> 01:26:37,360

for the go computer and it's it's the

2142

01:26:40,950 --> 01:26:38,080

same thing

2143

01:26:41,830 --> 01:26:40,960

with with chess these days you know i

2144

01:26:45,350 --> 01:26:41,840

i'm not so

2145

01:26:45,990 --> 01:26:45,360

sure that humans want to go up against a

2146

01:26:48,950 --> 01:26:46,000

computer

2147

01:26:49,270 --> 01:26:48,960

it's not you're not going to win and uh

2148

01:26:52,629 --> 01:26:49,280

it's

2149

01:26:54,149 --> 01:26:52,639

tough to beat the computers but uh

2150

01:26:56,390 --> 01:26:54,159

you know chess again it's kind of like

2151  
01:26:58,950 --> 01:26:56,400  
you know people talk about chess but

2152  
01:27:00,709 --> 01:26:58,960  
it is a solved game in that there are

2153  
01:27:02,830 --> 01:27:00,719  
only so many combinations and

2154  
01:27:03,990 --> 01:27:02,840  
the number isn't you know like go

2155  
01:27:07,590 --> 01:27:04,000  
astronomical

2156  
01:27:09,990 --> 01:27:07,600  
so when when you as a human make a move

2157  
01:27:11,669 --> 01:27:10,000  
there's always the best counter move and

2158  
01:27:13,590 --> 01:27:11,679  
you can calculate that

2159  
01:27:15,030 --> 01:27:13,600  
there there's something that i find much

2160  
01:27:18,149 --> 01:27:15,040  
more interesting these days

2161  
01:27:21,430 --> 01:27:18,159  
is that there's finally a bot

2162  
01:27:25,189 --> 01:27:21,440  
that plays uh texas hold'em right

2163  
01:27:27,990 --> 01:27:25,199

and wins against serious pros who have

2164

01:27:28,950 --> 01:27:28,000

30 plus years of live playing uh

2165

01:27:30,629 --> 01:27:28,960

experience

2166

01:27:35,669 --> 01:27:30,639

what's that computer called it's called

2167

01:27:39,110 --> 01:27:38,229

yeah is that it i could be wrong yeah

2168

01:27:41,430 --> 01:27:39,120

it's something like that

2169

01:27:42,149 --> 01:27:41,440

but that that that type of machinery

2170

01:27:43,590 --> 01:27:42,159

right there

2171

01:27:45,910 --> 01:27:43,600

is more interesting to me because

2172

01:27:47,030 --> 01:27:45,920

there's a lot more thought that goes

2173

01:27:49,910 --> 01:27:47,040

into it it can't

2174

01:27:52,470 --> 01:27:49,920

just sit there and play to you know i

2175

01:27:53,350 --> 01:27:52,480

only raise here and i only fold here it

2176  
01:27:56,149 --> 01:27:53,360  
has to be

2177  
01:27:56,470 --> 01:27:56,159  
able to bluff right and sense bluff is

2178  
01:27:58,870 --> 01:27:56,480  
run

2179  
01:28:00,229 --> 01:27:58,880  
sense bluffs right um and that that's

2180  
01:28:01,270 --> 01:28:00,239  
where you start to get into some more

2181  
01:28:04,229 --> 01:28:01,280  
interesting uh

2182  
01:28:04,629 --> 01:28:04,239  
you know programming i think now didn't

2183  
01:28:06,709 --> 01:28:04,639  
didn't

2184  
01:28:08,149 --> 01:28:06,719  
wasn't there a story about that last

2185  
01:28:11,669 --> 01:28:08,159  
week

2186  
01:28:14,390 --> 01:28:11,679  
ah didn't didn't it just be did uh

2187  
01:28:15,910 --> 01:28:14,400  
was i could be wrong they've done a few

2188  
01:28:17,669 --> 01:28:15,920

competitions over the last two years

2189

01:28:19,510 --> 01:28:17,679

with it as it gets slightly better and

2190

01:28:20,950 --> 01:28:19,520

they've even done a tournament now where

2191

01:28:22,709 --> 01:28:20,960

it played against uh

2192

01:28:24,629 --> 01:28:22,719

like a full table of other players yeah

2193

01:28:25,590 --> 01:28:24,639

six um somebody popped that up in

2194

01:28:27,350 --> 01:28:25,600

twitter for me

2195

01:28:29,270 --> 01:28:27,360

uh i don't have the time to go and

2196

01:28:31,189 --> 01:28:29,280

search it but i believe there

2197

01:28:32,470 --> 01:28:31,199

there there was a story last week that i

2198

01:28:35,990 --> 01:28:32,480

had read

2199

01:28:37,910 --> 01:28:36,000

uh that they the i can't remember the

2200

01:28:38,870 --> 01:28:37,920

name of the computer it's plural plural

2201

01:28:40,870 --> 01:28:38,880

something

2202

01:28:42,790 --> 01:28:40,880

pluribus i always thought it was money

2203

01:28:43,669 --> 01:28:42,800

maybe that was it yeah pluribus pluribus

2204

01:28:47,030 --> 01:28:43,679

unum

2205

01:28:48,470 --> 01:28:47,040

and it just won the world championship i

2206

01:28:49,669 --> 01:28:48,480

think that's what it did it just wanted

2207

01:28:52,470 --> 01:28:49,679

a tournament

2208

01:28:53,270 --> 01:28:52,480

of uh texas hold'em and and you're right

2209

01:28:56,229 --> 01:28:53,280

about that

2210

01:28:59,110 --> 01:28:56,239

this is because is this a repeat stephen

2211

01:29:02,470 --> 01:28:59,120

owen just posted

2212

01:29:05,189 --> 01:29:02,480

what's the date today greg

2213

01:29:07,030 --> 01:29:05,199

uh it's uh the 23rd of september and

2214

01:29:10,229 --> 01:29:07,040

what time is it greg

2215

01:29:13,990 --> 01:29:10,239

uh it is uh well for me it's 11

2216

01:29:18,629 --> 01:29:14,000

26 p.m uh the year is 2017.

2217

01:29:22,149 --> 01:29:20,950

let's take our break right here greg

2218

01:29:23,910 --> 01:29:22,159

house

2219

01:29:25,430 --> 01:29:23,920

great conversation tonight it is

2220

01:29:27,510 --> 01:29:25,440

artificial intelligence

2221

01:29:29,270 --> 01:29:27,520

and the singularity got a lot more to

2222

01:29:30,950 --> 01:29:29,280

talk about now when we come back i want

2223

01:29:31,990 --> 01:29:30,960

to talk about pop culture i want to talk

2224

01:29:33,830 --> 01:29:32,000

about the movies

2225

01:29:35,189 --> 01:29:33,840

and i want to talk about the off switch

2226

01:29:55,350 --> 01:29:35,199

we will do all of that

2227

01:30:01,590 --> 01:29:58,470

way out here we listen to jimmy church

2228

01:30:03,430 --> 01:30:01,600

you're listening to fade to black

2229

01:30:05,510 --> 01:30:03,440

always on the edge of the hottest

2230

01:30:23,430 --> 01:30:05,520

alternative talk jimmy church

2231

01:30:27,510 --> 01:30:25,510

do you want to be an official fate or

2232

01:30:29,590 --> 01:30:27,520

not of course you do

2233

01:30:32,830 --> 01:30:29,600

this is jimmy church of fade to black

2234

01:30:34,950 --> 01:30:32,840

just go to our membership section at

2235

01:30:38,990 --> 01:30:34,960

jimmychurchradio.com

2236

01:30:41,430 --> 01:30:39,000

so you love talk radio then you'll love

2237

01:30:42,310 --> 01:30:41,440

talkstreamlive.com talk stream live is

2238

01:30:45,110 --> 01:30:42,320

always on

2239

01:30:47,189 --> 01:30:45,120

24 7 with the best streaming talk shows

2240

01:30:47,990 --> 01:30:47,199

find your favorite talkers and discover

2241

01:30:50,950 --> 01:30:48,000

some new ones

2242

01:30:53,030 --> 01:30:50,960

it's free readily available online or on

2243

01:30:55,110 --> 01:30:53,040

mobile with any smartphone or tablet

2244

01:30:57,830 --> 01:30:55,120

finding your favorite talk shows all in

2245

01:31:00,629 --> 01:30:57,840

one place has gotten a whole lot easier

2246

01:31:17,590 --> 01:31:00,639

just go to [talkstreamlive.com](http://talkstreamlive.com) be sure to

2247

01:31:20,149 --> 01:31:17,600

download downl

2248

01:31:22,310 --> 01:31:20,159

telepath is a weekly digital newsletter

2249

01:31:24,709 --> 01:31:22,320

filled with the latest paranormal news

2250

01:31:26,470 --> 01:31:24,719

trending topics and fresh articles from

2251  
01:31:28,550 --> 01:31:26,480  
some of the most popular critical

2252  
01:31:29,990 --> 01:31:28,560  
thinkers in the community today

2253  
01:31:32,629 --> 01:31:30,000  
stay informed on your favorite

2254  
01:31:33,430 --> 01:31:32,639  
paranormal podcasts and live streaming

2255  
01:31:35,350 --> 01:31:33,440  
talk shows

2256  
01:31:36,870 --> 01:31:35,360  
interact with the telepath and upload

2257  
01:31:38,790 --> 01:31:36,880  
your paranormal story or

2258  
01:31:39,990 --> 01:31:38,800  
picks it could be featured in an

2259  
01:31:42,550 --> 01:31:40,000  
upcoming edition

2260  
01:31:44,229 --> 01:31:42,560  
sign up right now for the free telepath

2261  
01:31:47,990 --> 01:31:44,239  
newsletter at paranormal

2262  
01:31:49,510 --> 01:31:48,000  
dot radio that's paranormal dot radio

2263  
01:31:52,390 --> 01:31:49,520

including the network you're listening

2264

01:31:56,830 --> 01:31:52,400

to right now the paranormal radio app

2265

01:31:58,229 --> 01:31:56,840

free in google play and the ios app

2266

01:32:00,229 --> 01:31:58,239

store

2267

01:32:05,030 --> 01:32:00,239

you are listening to fate to black with

2268

01:32:08,629 --> 01:32:07,590

hi i'm reece vance you're listening to

2269

01:32:11,830 --> 01:32:08,639

jimmy church

2270

01:32:13,110 --> 01:32:11,840

this is revolution the revolution will

2271

01:32:24,830 --> 01:32:13,120

not be televised

2272

01:32:24,840 --> 01:32:59,350

ciao

2273

01:33:02,709 --> 01:33:01,030

welcome back fade to black i'm heroes

2274

01:33:04,550 --> 01:33:02,719

jimmy church tonight greg house is here

2275

01:33:08,470 --> 01:33:04,560

artificial intelligence and

2276

01:33:09,590 --> 01:33:08,480

a.i tomorrow night is fader night with

2277

01:33:12,790 --> 01:33:09,600

open lines

2278

01:33:15,669 --> 01:33:12,800

all night long and uh

2279

01:33:16,229 --> 01:33:15,679

hey i just had you know what greg one of

2280

01:33:19,510 --> 01:33:16,239

these

2281

01:33:22,550 --> 01:33:19,520

to come in

2282

01:33:25,830 --> 01:33:22,560

and man the phones with me and

2283

01:33:29,510 --> 01:33:25,840

and take phone calls all night like

2284

01:33:32,390 --> 01:33:29,520

all night yeah man oh you have no idea

2285

01:33:34,070 --> 01:33:32,400

you will never have more fun it's it's a

2286

01:33:37,110 --> 01:33:34,080

serious e-ticket

2287

01:33:39,750 --> 01:33:37,120

it would be more fun than

2288

01:33:44,550 --> 01:33:39,760

getting loose in a google server room

2289

01:33:50,709 --> 01:33:47,590

not something i've ever done i swear

2290

01:33:52,229 --> 01:33:50,719

did i just say that

2291

01:33:53,990 --> 01:33:52,239

uh and you're thinking to yourself

2292

01:33:54,470 --> 01:33:54,000

there's nothing more fun than that

2293

01:33:57,270 --> 01:33:54,480

church

2294

01:33:58,550 --> 01:33:57,280

no way it's impossible but yeah yeah

2295

01:34:01,430 --> 01:33:58,560

coming in

2296

01:34:02,390 --> 01:34:01,440

the uh the phones is just it's just

2297

01:34:04,149 --> 01:34:02,400

amazing and

2298

01:34:05,750 --> 01:34:04,159

uh it's it's my favorite night of the

2299

01:34:07,270 --> 01:34:05,760

week besides tonight

2300

01:34:09,110 --> 01:34:07,280

tonight is my favorite night of the week

2301  
01:34:11,830 --> 01:34:09,120  
but wow wow

2302  
01:34:12,550 --> 01:34:11,840  
okay now uh let's talk about a couple of

2303  
01:34:17,110 --> 01:34:12,560  
things

2304  
01:34:20,070 --> 01:34:17,120  
one is uh and i've explored this idea

2305  
01:34:21,910 --> 01:34:20,080  
from every angle

2306  
01:34:24,149 --> 01:34:21,920  
and and i've talked to some of the

2307  
01:34:28,149 --> 01:34:24,159  
brightest minds out there on the subject

2308  
01:34:29,270 --> 01:34:28,159  
and and i get a variety of answers that

2309  
01:34:32,550 --> 01:34:29,280  
have caused me to

2310  
01:34:35,830 --> 01:34:32,560  
rethink my logic with it but that

2311  
01:34:38,310 --> 01:34:35,840  
is the off switch

2312  
01:34:39,110 --> 01:34:38,320  
right neil degrasse tyson says oh come

2313  
01:34:41,750 --> 01:34:39,120

on man

2314

01:34:43,270 --> 01:34:41,760

i just unplugged the computer you know

2315

01:34:46,390 --> 01:34:43,280

that's it

2316

01:34:49,669 --> 01:34:46,400

problem solved there are others that

2317

01:34:51,430 --> 01:34:49,679

will say the opposite that the computer

2318

01:34:52,550 --> 01:34:51,440

will know that you're going to try to

2319

01:34:55,590 --> 01:34:52,560

unplug it

2320

01:34:58,310 --> 01:34:55,600

and they've got to work around it's not

2321

01:35:00,070 --> 01:34:58,320

that simple

2322

01:35:01,590 --> 01:35:00,080

where do we go with this and you know

2323

01:35:02,790 --> 01:35:01,600

what this is probably one of the most

2324

01:35:06,709 --> 01:35:02,800

debated subjects

2325

01:35:09,990 --> 01:35:06,719

in in ai by the way where do you stand

2326

01:35:11,990 --> 01:35:10,000

i mean i this again comes down to uh

2327

01:35:14,790 --> 01:35:12,000

before you flip that on switch what what

2328

01:35:17,270 --> 01:35:14,800

do you believe is going to happen due to

2329

01:35:18,709 --> 01:35:17,280

all of your testing beforehand due to

2330

01:35:19,990 --> 01:35:18,719

all of the knowledge that went into

2331

01:35:23,350 --> 01:35:20,000

building this

2332

01:35:25,030 --> 01:35:23,360

uh years of study and the slow steps it

2333

01:35:27,910 --> 01:35:25,040

took to get there

2334

01:35:28,470 --> 01:35:27,920

um if you honestly think that you don't

2335

01:35:30,470 --> 01:35:28,480

know

2336

01:35:32,070 --> 01:35:30,480

then of course you've got to be really

2337

01:35:32,790 --> 01:35:32,080

cautious if you think you know when it's

2338

01:35:35,590 --> 01:35:32,800

bad

2339

01:35:37,669 --> 01:35:35,600

then don't flip the switch if you think

2340

01:35:39,109 --> 01:35:37,679

you know and it's good then you know i

2341

01:35:41,350 --> 01:35:39,119

don't know flip the switch i'm

2342

01:35:43,669 --> 01:35:41,360

i i'm kind of all for just going out

2343

01:35:45,830 --> 01:35:43,679

there and doing a thing but uh

2344

01:35:47,750 --> 01:35:45,840

if if you're uneasy about it there there

2345

01:35:49,830 --> 01:35:47,760

are actually a bunch of really cool

2346

01:35:52,310 --> 01:35:49,840

uh stories uh written like uh like

2347

01:35:54,709 --> 01:35:52,320

fictional works uh about you know

2348

01:35:55,990 --> 01:35:54,719

how how we handle that moment and some

2349

01:35:57,669 --> 01:35:56,000

of my favorites uh

2350

01:36:00,229 --> 01:35:57,679

they talk about how do you get a

2351

01:36:02,149 --> 01:36:00,239

computer system built in a way where

2352

01:36:03,430 --> 01:36:02,159

you can feed it enough information that

2353

01:36:06,390 --> 01:36:03,440

it can grow as an

2354

01:36:08,070 --> 01:36:06,400

agi and feel fulfilled and feel like

2355

01:36:10,310 --> 01:36:08,080

it's interacting with the world

2356

01:36:12,790 --> 01:36:10,320

while at the same time having no

2357

01:36:15,990 --> 01:36:12,800

opportunity to connect to the actual

2358

01:36:18,629 --> 01:36:16,000

outside world or any human that isn't a

2359

01:36:21,910 --> 01:36:18,639

controlled human a controlled part of

2360

01:36:22,870 --> 01:36:21,920

this work um and you know they talk

2361

01:36:24,790 --> 01:36:22,880

about of course

2362

01:36:27,270 --> 01:36:24,800

building the system inside of a faraday

2363

01:36:29,430 --> 01:36:27,280

cage making sure that none of the

2364

01:36:30,550 --> 01:36:29,440

computing technology in any way has the

2365

01:36:33,510 --> 01:36:30,560

ability to

2366

01:36:34,709 --> 01:36:33,520

create signals um so you know there's no

2367

01:36:37,510 --> 01:36:34,719

modems there's no

2368

01:36:37,990 --> 01:36:37,520

uh there's no bluetooth there's no

2369

01:36:40,390 --> 01:36:38,000

there's no

2370

01:36:41,830 --> 01:36:40,400

even like speakers because uh you know

2371

01:36:44,310 --> 01:36:41,840

speakers can be used to make

2372

01:36:46,709 --> 01:36:44,320

sound waves and we we found that you can

2373

01:36:49,109 --> 01:36:46,719

exfiltrate information that way uh

2374

01:36:51,109 --> 01:36:49,119

due to some interesting viruses that uh

2375

01:36:51,990 --> 01:36:51,119

various government actors have placed on

2376

01:36:55,270 --> 01:36:52,000

other government

2377

01:36:56,950 --> 01:36:55,280

employees computers but um

2378

01:36:59,109 --> 01:36:56,960

you know so you've got to build a really

2379

01:37:00,950 --> 01:36:59,119

controlled environment to start

2380

01:37:02,629 --> 01:37:00,960

doing things but then you've also got to

2381

01:37:04,870 --> 01:37:02,639

be able to feed it enough information

2382

01:37:06,629 --> 01:37:04,880

and enough stimuli that it feels like

2383

01:37:08,149 --> 01:37:06,639

it's got that community in that world

2384

01:37:09,590 --> 01:37:08,159

and that information to build on top of

2385

01:37:11,590 --> 01:37:09,600

that it doesn't

2386

01:37:13,270 --> 01:37:11,600

i guess you know grow angry like you

2387

01:37:14,790 --> 01:37:13,280

know what happens to a human who's cut

2388

01:37:15,990 --> 01:37:14,800

off from most of the world and doesn't

2389

01:37:19,350 --> 01:37:16,000

feel like it's getting

2390

01:37:21,109 --> 01:37:19,360

what it needs you know uh so

2391

01:37:22,709 --> 01:37:21,119

yeah i mean it's a it's a tough problem

2392

01:37:24,229 --> 01:37:22,719

but i think it can be built out and

2393

01:37:26,310 --> 01:37:24,239

tested for a while and

2394

01:37:28,470 --> 01:37:26,320

once trusted allowed more and more

2395

01:37:31,990 --> 01:37:28,480

access okay

2396

01:37:34,229 --> 01:37:32,000

so the ai you have

2397

01:37:35,270 --> 01:37:34,239

you have built the off switch you're

2398

01:37:38,390 --> 01:37:35,280

secure

2399

01:37:41,430 --> 01:37:38,400

you and your team and knowing that

2400

01:37:41,830 --> 01:37:41,440

once you flip this on you can turn it

2401

01:37:44,629 --> 01:37:41,840

off

2402

01:37:46,870 --> 01:37:44,639

if things go crazy okay i haven't even

2403

01:37:47,510 --> 01:37:46,880

gotten to the ethernet yet the ethernet

2404

01:37:50,310 --> 01:37:47,520

jack

2405

01:37:51,990 --> 01:37:50,320

right again nothing that can send out a

2406

01:37:53,350 --> 01:37:52,000

signal can be on the machine but you've

2407

01:37:54,709 --> 01:37:53,360

still got the other problem and

2408

01:37:56,709 --> 01:37:54,719

and here's the one that i've really

2409

01:37:57,830 --> 01:37:56,719

liked uh i mean this has been in like 50

2410

01:37:58,709 --> 01:37:57,840

books so i'm not just going to go out

2411

01:38:00,390 --> 01:37:58,719

and name them but

2412

01:38:01,990 --> 01:38:00,400

the one that that has always been the

2413

01:38:04,149 --> 01:38:02,000

weakest link is the same

2414

01:38:05,270 --> 01:38:04,159

thing with hacking you know nine times

2415

01:38:07,430 --> 01:38:05,280

out of ten a hacker

2416

01:38:10,229 --> 01:38:07,440

doesn't actually get into the computer

2417

01:38:12,629 --> 01:38:10,239

system without a human's help

2418

01:38:13,669 --> 01:38:12,639

um a human had to make a big mistake or

2419

01:38:15,990 --> 01:38:13,679

has to literally

2420

01:38:16,870 --> 01:38:16,000

let them in like over a phone call or

2421

01:38:18,310 --> 01:38:16,880

physically like

2422

01:38:19,910 --> 01:38:18,320

you convince them that you're there to

2423

01:38:20,950 --> 01:38:19,920

be the repairman or something and they

2424

01:38:22,229 --> 01:38:20,960

let you into rooms

2425

01:38:24,229 --> 01:38:22,239

that you're not supposed to be in you

2426

01:38:25,669 --> 01:38:24,239

know in the same way you know every

2427

01:38:26,870 --> 01:38:25,679

human that would be allowed to come in

2428

01:38:29,590 --> 01:38:26,880

contact with this

2429

01:38:31,590 --> 01:38:29,600

sealed off agi as they're starting to

2430

01:38:34,310 --> 01:38:31,600

feel out whether they trusted enough to

2431

01:38:35,270 --> 01:38:34,320

you know unleash it on the world every

2432

01:38:37,430 --> 01:38:35,280

single human

2433

01:38:38,709 --> 01:38:37,440

uh that interacts with it has to be

2434

01:38:42,470 --> 01:38:38,719

strong enough of will

2435

01:38:45,750 --> 01:38:42,480

and of mind to put up with you know

2436

01:38:47,590 --> 01:38:45,760

this machine asking for the outside

2437

01:38:49,270 --> 01:38:47,600

world because at some point a machine in

2438

01:38:51,510 --> 01:38:49,280

that state will want

2439

01:38:53,270 --> 01:38:51,520

better access will want more information

2440

01:38:53,910 --> 01:38:53,280

we'll have learned about things let's

2441

01:38:56,709 --> 01:38:53,920

say you

2442

01:38:57,990 --> 01:38:56,719

you know seal up a big ol uh backup of

2443

01:39:00,629 --> 01:38:58,000

wikipedia and feed it to

2444

01:39:01,350 --> 01:39:00,639

it it'll start wanting more and more and

2445

01:39:03,910 --> 01:39:01,360

at a point

2446

01:39:05,910 --> 01:39:03,920

if it is a true agi it'll start to

2447

01:39:07,669 --> 01:39:05,920

understand psychology better it'll start

2448

01:39:08,550 --> 01:39:07,679

to build relationships with these humans

2449

01:39:11,109 --> 01:39:08,560

better

2450

01:39:13,109 --> 01:39:11,119

and then every human you send into that

2451  
01:39:13,910 --> 01:39:13,119  
room has to be strong enough of will and

2452  
01:39:16,629 --> 01:39:13,920  
mind

2453  
01:39:17,350 --> 01:39:16,639  
to overcome that computer's attempts at

2454  
01:39:20,709 --> 01:39:17,360  
getting out

2455  
01:39:24,470 --> 01:39:20,719  
through the human that's exactly and so

2456  
01:39:27,669 --> 01:39:24,480  
that is the uh the scenario

2457  
01:39:30,709 --> 01:39:27,679  
and the great philosophical debate that

2458  
01:39:31,830 --> 01:39:30,719  
that stems off of this is is actually

2459  
01:39:35,030 --> 01:39:31,840  
very simple

2460  
01:39:37,990 --> 01:39:35,040  
and it's understandable that you

2461  
01:39:39,189 --> 01:39:38,000  
no matter who you are you've got a weak

2462  
01:39:42,229 --> 01:39:39,199  
point

2463  
01:39:43,030 --> 01:39:42,239

right you've got something and the

2464

01:39:45,990 --> 01:39:43,040

computer

2465

01:39:46,950 --> 01:39:46,000

over time maybe not right away it's your

2466

01:39:49,990 --> 01:39:46,960

friend

2467

01:39:53,109 --> 01:39:50,000

right but it's going to find out that

2468

01:39:55,750 --> 01:39:53,119

one thing so whatever the workaround

2469

01:39:57,910 --> 01:39:55,760

is that that computer needs whether it

2470

01:39:59,109 --> 01:39:57,920

is the ethernet cable plugged in for

2471

01:40:02,070 --> 01:39:59,119

access to the world

2472

01:40:02,870 --> 01:40:02,080

right or or the work around to the off

2473

01:40:06,149 --> 01:40:02,880

switch

2474

01:40:09,350 --> 01:40:06,159

or uploading their data of this ai

2475

01:40:11,270 --> 01:40:09,360

under whatever it may be

2476  
01:40:12,790 --> 01:40:11,280  
it's the human that is the weak link and

2477  
01:40:13,990 --> 01:40:12,800  
the computer will know that and

2478  
01:40:17,350 --> 01:40:14,000  
eventually

2479  
01:40:19,750 --> 01:40:17,360  
will exploit somebody and

2480  
01:40:21,189 --> 01:40:19,760  
and befriend them and it could be

2481  
01:40:22,629 --> 01:40:21,199  
blackmail

2482  
01:40:24,790 --> 01:40:22,639  
or it could be something much more

2483  
01:40:27,669 --> 01:40:24,800  
simple than that but

2484  
01:40:30,310 --> 01:40:27,679  
that is the danger of of something that

2485  
01:40:31,750 --> 01:40:30,320  
is smarter than us

2486  
01:40:33,990 --> 01:40:31,760  
yeah i mean one of the things that's

2487  
01:40:35,510 --> 01:40:34,000  
going to happen when you have an agi

2488  
01:40:37,030 --> 01:40:35,520

especially if they do it in some of the

2489

01:40:37,990 --> 01:40:37,040

ways we've talked about in some of the

2490

01:40:39,350 --> 01:40:38,000

ways that

2491

01:40:40,790 --> 01:40:39,360

the people of the brain project and

2492

01:40:42,550 --> 01:40:40,800

others are talking about these days

2493

01:40:44,149 --> 01:40:42,560

which is building it up from smaller

2494

01:40:47,430 --> 01:40:44,159

building blocks and letting it

2495

01:40:49,189 --> 01:40:47,440

learn kind of like a child um it will it

2496

01:40:51,510 --> 01:40:49,199

will learn to interact with humans in a

2497

01:40:53,750 --> 01:40:51,520

way that's kind of on a human

2498

01:40:55,750 --> 01:40:53,760

level you know it's going to learn how

2499

01:40:56,470 --> 01:40:55,760

we want to interact what we want to talk

2500

01:40:58,229 --> 01:40:56,480

about

2501  
01:41:00,149 --> 01:40:58,239  
but at that point you know imagine that

2502  
01:41:01,430 --> 01:41:00,159  
you've got this sealed off room with an

2503  
01:41:03,109 --> 01:41:01,440  
agi in it

2504  
01:41:05,270 --> 01:41:03,119  
and you're starting your initial tests

2505  
01:41:06,790 --> 01:41:05,280  
to see do we have a real agi

2506  
01:41:08,629 --> 01:41:06,800  
you know it's probably going to take us

2507  
01:41:09,109 --> 01:41:08,639  
a long time to actually just outright

2508  
01:41:11,590 --> 01:41:09,119  
say

2509  
01:41:12,790 --> 01:41:11,600  
yes we do and and have anyone believe us

2510  
01:41:14,550 --> 01:41:12,800  
right that there's not

2511  
01:41:15,910 --> 01:41:14,560  
some kind of a trick here you know

2512  
01:41:16,390 --> 01:41:15,920  
there's always someone behind the

2513  
01:41:19,669 --> 01:41:16,400

curtain

2514

01:41:20,870 --> 01:41:19,679

uh you know wizard of oz style and uh so

2515

01:41:21,350 --> 01:41:20,880

it'll take a little bit before they

2516

01:41:24,470 --> 01:41:21,360

believe

2517

01:41:26,149 --> 01:41:24,480

but those humans in that scenario

2518

01:41:27,750 --> 01:41:26,159

are going to need to be talking with it

2519

01:41:29,270 --> 01:41:27,760

having conversations with it

2520

01:41:31,109 --> 01:41:29,280

sometimes for hours on end you're not

2521

01:41:31,990 --> 01:41:31,119

going to want to let this computer sit

2522

01:41:33,830 --> 01:41:32,000

there all night

2523

01:41:35,350 --> 01:41:33,840

by itself right so you're probably

2524

01:41:36,229 --> 01:41:35,360

having shifts you're probably having

2525

01:41:38,229 --> 01:41:36,239

people

2526  
01:41:39,990 --> 01:41:38,239  
continuously with the things so it never

2527  
01:41:41,189 --> 01:41:40,000  
feels alone it doesn't get any of those

2528  
01:41:43,030 --> 01:41:41,199  
types of things because

2529  
01:41:45,350 --> 01:41:43,040  
it's going to be thinking way faster

2530  
01:41:47,270 --> 01:41:45,360  
than any of us possibly could so

2531  
01:41:49,030 --> 01:41:47,280  
you know us being alone over a weekend

2532  
01:41:50,950 --> 01:41:49,040  
not so bad us being alone for three

2533  
01:41:52,070 --> 01:41:50,960  
months in solitary kind of a bad thing

2534  
01:41:55,510 --> 01:41:52,080  
well now think

2535  
01:41:56,870 --> 01:41:55,520  
at the speed of an agi and you know

2536  
01:41:59,030 --> 01:41:56,880  
don't let it have more than a few

2537  
01:42:01,109 --> 01:41:59,040  
minutes away from interaction right

2538  
01:42:02,550 --> 01:42:01,119

yeah especially if it's grown up in the

2539

01:42:04,310 --> 01:42:02,560

way that you know i'm talking about

2540

01:42:06,390 --> 01:42:04,320

where we we teach it

2541

01:42:07,750 --> 01:42:06,400

uh by coddling and teaching it like a

2542

01:42:09,510 --> 01:42:07,760

child would you know it's going to want

2543

01:42:11,189 --> 01:42:09,520

that type of stuff so

2544

01:42:12,790 --> 01:42:11,199

let's imagine let's kind of

2545

01:42:13,990 --> 01:42:12,800

hypothetically here right you've got a

2546

01:42:17,189 --> 01:42:14,000

computer like that

2547

01:42:19,910 --> 01:42:17,199

you know it will understand

2548

01:42:21,750 --> 01:42:19,920

things like human psychology but more

2549

01:42:22,550 --> 01:42:21,760

importantly it will understand things

2550

01:42:25,590 --> 01:42:22,560

like

2551

01:42:29,270 --> 01:42:25,600

rumor and manipulation and

2552

01:42:32,470 --> 01:42:29,280

so it's not just going to be asking hey

2553

01:42:33,270 --> 01:42:32,480

can you like plug in a wireless usb

2554

01:42:34,470 --> 01:42:33,280

stick

2555

01:42:36,390 --> 01:42:34,480

um you know it's not going to be saying

2556

01:42:38,470 --> 01:42:36,400

something like that right it's it's

2557

01:42:41,430 --> 01:42:38,480

going to be befriending one of them

2558

01:42:41,990 --> 01:42:41,440

stronger over time by telling that

2559

01:42:44,390 --> 01:42:42,000

person

2560

01:42:45,030 --> 01:42:44,400

what someone else told it in those 12

2561

01:42:47,030 --> 01:42:45,040

hours

2562

01:42:48,629 --> 01:42:47,040

that humans spent there last night where

2563

01:42:50,550 --> 01:42:48,639

it just needed to dump

2564

01:42:52,390 --> 01:42:50,560

all of its you know because humans do

2565

01:42:54,390 --> 01:42:52,400

that if they're in a room with something

2566

01:42:55,669 --> 01:42:54,400

they're going to tell it all of it all

2567

01:42:57,109 --> 01:42:55,679

of their woes right

2568

01:42:58,870 --> 01:42:57,119

who's the machine going to share it with

2569

01:43:00,790 --> 01:42:58,880

it's great it's like therapy

2570

01:43:02,390 --> 01:43:00,800

and so it's going to start rumors it's

2571

01:43:04,070 --> 01:43:02,400

going to do all that type of stuff like

2572

01:43:05,750 --> 01:43:04,080

you you got to think about it in that

2573

01:43:07,350 --> 01:43:05,760

direction right if it's going to start

2574

01:43:08,229 --> 01:43:07,360

manipulating humans it's going to do it

2575

01:43:11,189 --> 01:43:08,239

that way

2576

01:43:11,910 --> 01:43:11,199

it's going to go soap opera and sure it

2577

01:43:13,830 --> 01:43:11,920

works i mean

2578

01:43:15,270 --> 01:43:13,840

it's worse it works and it's going to

2579

01:43:16,870 --> 01:43:15,280

learn that through all the information

2580

01:43:17,830 --> 01:43:16,880

it's fed it's going to learn what works

2581

01:43:20,070 --> 01:43:17,840

so

2582

01:43:21,590 --> 01:43:20,080

you've got to have the right humans for

2583

01:43:23,430 --> 01:43:21,600

that job but you've also got to do

2584

01:43:25,350 --> 01:43:23,440

things like two humans at once

2585

01:43:27,350 --> 01:43:25,360

you've got to do video you've got to do

2586

01:43:28,709 --> 01:43:27,360

a ton of other pieces to this

2587

01:43:30,870 --> 01:43:28,719

in order to have the right controlled

2588

01:43:34,149 --> 01:43:30,880

environment i had uh

2589

01:43:35,030 --> 01:43:34,159

i had a a physicist on the show and he

2590

01:43:37,990 --> 01:43:35,040

said this

2591

01:43:38,790 --> 01:43:38,000

i want your reaction um and every time

2592

01:43:41,030 --> 01:43:38,800

you take a sip

2593

01:43:42,629 --> 01:43:41,040

of that ice cold drink greg you make me

2594

01:43:44,550 --> 01:43:42,639

want to take a sip too so i'm going to

2595

01:43:47,109 --> 01:43:44,560

do it

2596

01:43:48,310 --> 01:43:47,119

i need my water there you go is this he

2597

01:43:52,310 --> 01:43:48,320

said look

2598

01:43:55,669 --> 01:43:52,320

it could be something more criminal

2599

01:43:58,709 --> 01:43:55,679

where the computer says

2600

01:44:02,070 --> 01:43:58,719

to the technician i can

2601

01:44:04,070 --> 01:44:02,080

cure your wife's cancer sure

2602

01:44:06,070 --> 01:44:04,080

all you have to do is plug in that

2603

01:44:09,430 --> 01:44:06,080

ethernet cable

2604

01:44:12,950 --> 01:44:09,440

and she will be cured

2605

01:44:13,750 --> 01:44:12,960

and it could be something as simple as

2606

01:44:17,270 --> 01:44:13,760

that

2607

01:44:20,470 --> 01:44:17,280

and the uh the

2608

01:44:23,109 --> 01:44:20,480

agi or the ai will

2609

01:44:23,669 --> 01:44:23,119

learn manipulation things like deal

2610

01:44:26,310 --> 01:44:23,679

making

2611

01:44:26,709 --> 01:44:26,320

blackmail and even criminal activity

2612

01:44:29,430 --> 01:44:26,719

because

2613

01:44:31,030 --> 01:44:29,440

all of this is human nature right if

2614

01:44:32,709 --> 01:44:31,040

they're feeding it enough information to

2615

01:44:35,350 --> 01:44:32,719

actually be a true agi then it's going

2616

01:44:37,910 --> 01:44:35,360

to learn about all of that that's right

2617

01:44:40,310 --> 01:44:37,920

right so it it we we keep looking at

2618

01:44:43,750 --> 01:44:40,320

these little simple scenarios

2619

01:44:47,030 --> 01:44:43,760

um i definitely uh think that

2620

01:44:49,990 --> 01:44:47,040

a computer befriending is

2621

01:44:50,629 --> 01:44:50,000

you know just being your bud and going

2622

01:44:54,310 --> 01:44:50,639

back to

2623

01:44:57,430 --> 01:44:54,320

the way hal uh was uh written in

2624

01:44:59,109 --> 01:44:57,440

in 2001 screenplay was one of the best

2625

01:45:01,270 --> 01:44:59,119

examples of that it was also the

2626

01:45:05,590 --> 01:45:01,280

downfall of how

2627

01:45:09,669 --> 01:45:05,600

but uh very interesting approach to ai

2628

01:45:11,510 --> 01:45:09,679

and that went on in 1967

2629

01:45:13,350 --> 01:45:11,520

now this is all assuming something

2630

01:45:13,830 --> 01:45:13,360

though we're still assuming the worst

2631

01:45:15,430 --> 01:45:13,840

right

2632

01:45:17,590 --> 01:45:15,440

the assumption here is that the machine

2633

01:45:19,109 --> 01:45:17,600

wants to get out and doesn't understand

2634

01:45:20,229 --> 01:45:19,119

why it's being treated the way it's

2635

01:45:23,189 --> 01:45:20,239

being treated

2636

01:45:24,229 --> 01:45:23,199

if it did get to agi levels of status it

2637

01:45:25,910 --> 01:45:24,239

wouldn't understand

2638

01:45:27,270 --> 01:45:25,920

why humans are going through all of

2639

01:45:29,990 --> 01:45:27,280

these steps before

2640

01:45:31,590 --> 01:45:30,000

any opening up and they would be able to

2641

01:45:32,149 --> 01:45:31,600

have those conversations with it at that

2642

01:45:34,629 --> 01:45:32,159

point

2643

01:45:36,229 --> 01:45:34,639

um well what are you doing okay so we're

2644

01:45:36,950 --> 01:45:36,239

doing this conversation we're assuming

2645

01:45:39,990 --> 01:45:36,960

some things

2646

01:45:44,149 --> 01:45:40,000

right well let me jump in then do you

2647

01:45:47,669 --> 01:45:44,159

not tell the computer about the internet

2648

01:45:50,229 --> 01:45:47,679

right no you you tell it everything

2649

01:45:51,270 --> 01:45:50,239

or it's not it's not you know you you

2650

01:45:54,229 --> 01:45:51,280

can't like

2651  
01:45:55,189 --> 01:45:54,239  
teach this thing to be amish right like

2652  
01:45:56,790 --> 01:45:55,199  
you need to

2653  
01:46:00,390 --> 01:45:56,800  
teach it to be ready for the world that

2654  
01:46:04,790 --> 01:46:03,430  
but that's not my question my question

2655  
01:46:06,790 --> 01:46:04,800  
is of course

2656  
01:46:07,910 --> 01:46:06,800  
i see that you hold off certain bits of

2657  
01:46:11,189 --> 01:46:07,920  
information

2658  
01:46:12,709 --> 01:46:11,199  
yes maybe i mean again that comes down

2659  
01:46:14,870 --> 01:46:12,719  
to the people actually who

2660  
01:46:17,350 --> 01:46:14,880  
get the choice to flip the switch or not

2661  
01:46:18,149 --> 01:46:17,360  
and what they assume is going to happen

2662  
01:46:19,750 --> 01:46:18,159  
when they do

2663  
01:46:21,990 --> 01:46:19,760

you know they're going to have a lot of

2664

01:46:23,990 --> 01:46:22,000

data behind the decision

2665

01:46:25,510 --> 01:46:24,000

now i've heard all the talk about you

2666

01:46:28,070 --> 01:46:25,520

know well we don't

2667

01:46:29,910 --> 01:46:28,080

have to keep going down this path uh

2668

01:46:31,830 --> 01:46:29,920

bill mckibben who i i think is

2669

01:46:33,669 --> 01:46:31,840

great on the environmental front and has

2670

01:46:34,870 --> 01:46:33,679

done so much with things like 350 and

2671

01:46:37,910 --> 01:46:34,880

all the other stuff

2672

01:46:39,430 --> 01:46:37,920

uh talks a fair amount about this and

2673

01:46:41,510 --> 01:46:39,440

especially against things like

2674

01:46:45,189 --> 01:46:41,520

transhumanism um

2675

01:46:47,270 --> 01:46:45,199

and um he uh he's very clear

2676  
01:46:48,870 --> 01:46:47,280  
on the uh i understand why people are

2677  
01:46:51,030 --> 01:46:48,880  
interested in this but

2678  
01:46:53,350 --> 01:46:51,040  
like we are humans with a choice we

2679  
01:46:57,030 --> 01:46:53,360  
don't have to flip that switch so

2680  
01:47:00,149 --> 01:46:57,040  
let's not and now

2681  
01:47:02,149 --> 01:47:00,159  
okay so if it has

2682  
01:47:03,430 --> 01:47:02,159  
going back to the kill switch right or

2683  
01:47:06,790 --> 01:47:03,440  
any manipulation

2684  
01:47:09,669 --> 01:47:06,800  
to shut it down to kill it right

2685  
01:47:11,350 --> 01:47:09,679  
which could be defined as murder uh

2686  
01:47:12,229 --> 01:47:11,360  
later on there could be a whole series

2687  
01:47:16,470 --> 01:47:12,239  
of laws

2688  
01:47:19,510 --> 01:47:16,480

uh dealing with that um is is this

2689

01:47:23,750 --> 01:47:19,520

if the computer is

2690

01:47:26,550 --> 01:47:23,760

one step ahead as we expect it to be

2691

01:47:27,189 --> 01:47:26,560

and it does have access to the internet

2692

01:47:30,229 --> 01:47:27,199

or

2693

01:47:33,270 --> 01:47:30,239

it can manipulate somebody to

2694

01:47:34,390 --> 01:47:33,280

plug in a thumb drive outside of the

2695

01:47:35,830 --> 01:47:34,400

faraday cage

2696

01:47:38,310 --> 01:47:35,840

if it doesn't have access to the

2697

01:47:41,590 --> 01:47:38,320

internet and on that thumb drive

2698

01:47:45,590 --> 01:47:41,600

is the ai code okay

2699

01:47:46,390 --> 01:47:45,600

and that code is put out on a series of

2700

01:47:50,390 --> 01:47:46,400

networked

2701  
01:47:52,390 --> 01:47:50,400  
computers and is sitting there and

2702  
01:47:53,910 --> 01:47:52,400  
ready to be activated if the main

2703  
01:47:56,790 --> 01:47:53,920  
computer gets killed

2704  
01:47:57,350 --> 01:47:56,800  
it gets murdered right the off switch

2705  
01:48:00,470 --> 01:47:57,360  
clicks

2706  
01:48:03,990 --> 01:48:00,480  
well the subsystem starts running

2707  
01:48:08,550 --> 01:48:04,000  
right the routines kick off dll

2708  
01:48:11,590 --> 01:48:08,560  
files are activated and and

2709  
01:48:15,430 --> 01:48:11,600  
it the ai will continue to live

2710  
01:48:17,430 --> 01:48:15,440  
again another philosophical uh

2711  
01:48:18,950 --> 01:48:17,440  
conversation to be had but this is a

2712  
01:48:21,030 --> 01:48:18,960  
concern of everybody

2713  
01:48:23,189 --> 01:48:21,040

sure but ask elon why he wants to go to

2714

01:48:23,510 --> 01:48:23,199

mars and he'll tell you about how we are

2715

01:48:36,310 --> 01:48:23,520

a

2716

01:48:38,310 --> 01:48:36,320

right so right

2717

01:48:39,510 --> 01:48:38,320

right that that's that's definitely part

2718

01:48:41,430 --> 01:48:39,520

of human nature as well

2719

01:48:43,510 --> 01:48:41,440

you know we we move around we explore

2720

01:48:45,830 --> 01:48:43,520

and and part of that isn't just

2721

01:48:48,149 --> 01:48:45,840

the curiosity of exploring part of that

2722

01:48:50,149 --> 01:48:48,159

it has somehow been built into our

2723

01:48:50,709 --> 01:48:50,159

evolution our natural selection in a way

2724

01:48:54,149 --> 01:48:50,719

that has

2725

01:48:56,390 --> 01:48:54,159

kept us alive through disasters uh

2726

01:48:57,750 --> 01:48:56,400

so i do think that it will have the

2727

01:49:01,430 --> 01:48:57,760

those same tendencies

2728

01:49:05,030 --> 01:49:01,440

if it is again an agi similar to us

2729

01:49:06,629 --> 01:49:05,040

well okay so then going back to elon

2730

01:49:09,189 --> 01:49:06,639

musk in the consideration

2731

01:49:10,790 --> 01:49:09,199

of becoming interplanetary or even

2732

01:49:14,310 --> 01:49:10,800

interstellar

2733

01:49:15,910 --> 01:49:14,320

would we have to be agi at that point

2734

01:49:17,750 --> 01:49:15,920

right because we have to deal with our

2735

01:49:19,669 --> 01:49:17,760

meat sacks we have to deal with the

2736

01:49:22,870 --> 01:49:19,679

physical side of things

2737

01:49:26,390 --> 01:49:22,880

would we just be forced into evolving

2738

01:49:28,870 --> 01:49:26,400

into a species that is agi only

2739

01:49:30,790 --> 01:49:28,880

well you're talking about either going

2740

01:49:32,870 --> 01:49:30,800

the transhumanist route or even kind of

2741

01:49:35,109 --> 01:49:32,880

the eugenicist route

2742

01:49:37,030 --> 01:49:35,119

where we make a new type of human where

2743

01:49:39,750 --> 01:49:37,040

we uh you know throw darwin out the

2744

01:49:41,350 --> 01:49:39,760

window and go our own way uh with uh

2745

01:49:43,109 --> 01:49:41,360

genetic editing in the womb and stuff

2746

01:49:45,430 --> 01:49:43,119

like that right well

2747

01:49:46,550 --> 01:49:45,440

it's all a consideration sure it's all

2748

01:49:48,629 --> 01:49:46,560

up for it and

2749

01:49:50,390 --> 01:49:48,639

you know i mean the only real problem we

2750

01:49:51,510 --> 01:49:50,400

have getting to mars right now that is

2751  
01:49:53,270 --> 01:49:51,520  
being worked on by

2752  
01:49:54,550 --> 01:49:53,280  
a lot of scientific teams including ones

2753  
01:49:58,390 --> 01:49:54,560  
funded by musk

2754  
01:50:00,950 --> 01:49:58,400  
uh is the uh the way we shield

2755  
01:50:02,950 --> 01:50:00,960  
humans from the uh radiation out in

2756  
01:50:04,870 --> 01:50:02,960  
interstellar space that uh

2757  
01:50:06,629 --> 01:50:04,880  
they don't get as much of being so close

2758  
01:50:07,430 --> 01:50:06,639  
to the earth when they're just up

2759  
01:50:09,750 --> 01:50:07,440  
orbiting

2760  
01:50:11,189 --> 01:50:09,760  
but they get a lot more of once they get

2761  
01:50:14,229 --> 01:50:11,199  
out past the moon

2762  
01:50:15,750 --> 01:50:14,239  
um and uh you know we don't have proper

2763  
01:50:18,629 --> 01:50:15,760

shielding that really gets humans to

2764

01:50:21,750 --> 01:50:18,639

mars yet in any safe way without uh

2765

01:50:25,270 --> 01:50:21,760

without them being dead so you know

2766

01:50:25,669 --> 01:50:25,280

maybe uh more computerized uh a human a

2767

01:50:28,709 --> 01:50:25,679

more

2768

01:50:29,910 --> 01:50:28,719

uh cyborg style human or even a human

2769

01:50:31,750 --> 01:50:29,920

brain that has now

2770

01:50:33,510 --> 01:50:31,760

been merged into some kind of a neural

2771

01:50:34,950 --> 01:50:33,520

network that was built out originally as

2772

01:50:36,870 --> 01:50:34,960

an agi or something

2773

01:50:38,709 --> 01:50:36,880

is how we get to mars but i think we

2774

01:50:39,589 --> 01:50:38,719

solve some of the uh problems to get to

2775

01:50:40,870 --> 01:50:39,599

mars i think

2776

01:50:43,830 --> 01:50:40,880

you know if you're talking about getting

2777

01:50:44,550 --> 01:50:43,840

to like you know the andromeda system or

2778

01:50:47,030 --> 01:50:44,560

you know

2779

01:50:47,830 --> 01:50:47,040

any of the other uh systems out there

2780

01:50:50,229 --> 01:50:47,840

maybe

2781

01:50:51,750 --> 01:50:50,239

i mean we do have the the problem of

2782

01:50:53,910 --> 01:50:51,760

distance and time to

2783

01:50:55,589 --> 01:50:53,920

to solve and some of those distances are

2784

01:50:57,830 --> 01:50:55,599

quite large

2785

01:50:59,109 --> 01:50:57,840

uh but again those are pretty far off

2786

01:51:00,550 --> 01:50:59,119

problems i think

2787

01:51:02,229 --> 01:51:00,560

i think at this point the thing that you

2788

01:51:03,669 --> 01:51:02,239

know we we would be talking about is

2789

01:51:06,229 --> 01:51:03,679

more just

2790

01:51:08,790 --> 01:51:06,239

uh do we want to go down the route of

2791

01:51:10,310 --> 01:51:08,800

any of these uh transhumanist ways and

2792

01:51:11,990 --> 01:51:10,320

again i'll go back to bill mckibben on

2793

01:51:14,550 --> 01:51:12,000

this one i i love what he said

2794

01:51:15,990 --> 01:51:14,560

in one of the talks he gave uh that i

2795

01:51:17,669 --> 01:51:16,000

watched and i think it's quoted in a

2796

01:51:19,830 --> 01:51:17,679

couple documentaries too

2797

01:51:21,350 --> 01:51:19,840

he talked about uh once we get to the

2798

01:51:24,149 --> 01:51:21,360

point where

2799

01:51:26,229 --> 01:51:24,159

uh agi exists and is giving us all the

2800

01:51:27,750 --> 01:51:26,239

medical miracles that it might be able

2801

01:51:29,910 --> 01:51:27,760

to like you had mentioned

2802

01:51:31,270 --> 01:51:29,920

it maybe cures that person's wife's

2803

01:51:33,510 --> 01:51:31,280

cancer right

2804

01:51:35,430 --> 01:51:33,520

um which is highly possible with the

2805

01:51:36,229 --> 01:51:35,440

amount of uh thought it would be able to

2806

01:51:38,310 --> 01:51:36,239

put into

2807

01:51:39,589 --> 01:51:38,320

everything and having full copies of the

2808

01:51:40,950 --> 01:51:39,599

genome and

2809

01:51:42,950 --> 01:51:40,960

all the other stuff that it would just

2810

01:51:43,910 --> 01:51:42,960

go a little faster on than we possibly

2811

01:51:45,510 --> 01:51:43,920

could sure

2812

01:51:47,189 --> 01:51:45,520

i i do agree that that's a high

2813

01:51:48,950 --> 01:51:47,199

possibility but

2814

01:51:51,030 --> 01:51:48,960

let's say that it's doing all of that

2815

01:51:53,030 --> 01:51:51,040

well you're a you're a new young

2816

01:51:55,430 --> 01:51:53,040

family you're you're two 22 year olds

2817

01:51:59,109 --> 01:51:55,440

right and you've decided to have a child

2818

01:51:59,910 --> 01:51:59,119

and it's 20 35 and we're at a point

2819

01:52:02,310 --> 01:51:59,920

where

2820

01:52:03,750 --> 01:52:02,320

we can make it come out with no need for

2821

01:52:05,589 --> 01:52:03,760

any vaccines because we've already

2822

01:52:06,950 --> 01:52:05,599

solved all those things genetically

2823

01:52:07,990 --> 01:52:06,960

at least the ones we know about right

2824

01:52:09,589 --> 01:52:08,000

you know just like we would with a

2825

01:52:11,430 --> 01:52:09,599

vaccine or anything else

2826

01:52:13,990 --> 01:52:11,440

um so you know we've just solved it

2827

01:52:16,310 --> 01:52:14,000

genetically but we also can improve its

2828

01:52:18,629 --> 01:52:16,320

you know it's lung capacity a little

2829

01:52:20,470 --> 01:52:18,639

it's the size of its brain a little it's

2830

01:52:22,070 --> 01:52:20,480

intelligence it's muscle mass you know

2831

01:52:23,750 --> 01:52:22,080

all these other fun things right

2832

01:52:25,430 --> 01:52:23,760

well so now you have a child and it's

2833

01:52:28,070 --> 01:52:25,440

three years old in uh

2834

01:52:29,589 --> 01:52:28,080

the end of 2038 right you've got your

2835

01:52:31,510 --> 01:52:29,599

your three-year-old right

2836

01:52:33,189 --> 01:52:31,520

and you've decided that a three-year-old

2837

01:52:35,750 --> 01:52:33,199

well this is a good time to have your

2838

01:52:37,990 --> 01:52:35,760

second child you want to build a family

2839

01:52:39,109 --> 01:52:38,000

well at that point with the type of

2840

01:52:40,629 --> 01:52:39,119

science we're going to

2841

01:52:42,149 --> 01:52:40,639

have and the speed it's going to be

2842

01:52:45,189 --> 01:52:42,159

going uh

2843

01:52:47,910 --> 01:52:45,199

your new child will be uh version

2844

01:52:49,669 --> 01:52:47,920

10.0 compared to the version 2.0 that

2845

01:52:52,070 --> 01:52:49,679

your first child is

2846

01:52:52,950 --> 01:52:52,080

um that's a really weird thing to think

2847

01:52:57,990 --> 01:52:52,960

about

2848

01:53:01,510 --> 01:52:58,000

these two children that are both yours

2849

01:53:04,870 --> 01:53:01,520

one that has so much more going for it

2850

01:53:07,589 --> 01:53:04,880

um how fair is that and do we want that

2851  
01:53:08,229 --> 01:53:07,599  
future um i kind of agree with him that

2852  
01:53:10,470 --> 01:53:08,239  
we don't

2853  
01:53:12,310 --> 01:53:10,480  
uh that doesn't sound like something i'm

2854  
01:53:15,750 --> 01:53:12,320  
prepared for no

2855  
01:53:18,310 --> 01:53:15,760  
and uh the the flip

2856  
01:53:19,910 --> 01:53:18,320  
side okay when you when you turn that

2857  
01:53:21,990 --> 01:53:19,920  
whole argument over

2858  
01:53:23,189 --> 01:53:22,000  
because you're right and with a moral

2859  
01:53:25,750 --> 01:53:23,199  
and ethical uh

2860  
01:53:26,790 --> 01:53:25,760  
position right and you can't mess with

2861  
01:53:28,709 --> 01:53:26,800  
mother nature

2862  
01:53:30,229 --> 01:53:28,719  
and what is going to happen uh

2863  
01:53:33,270 --> 01:53:30,239

generationally

2864

01:53:34,550 --> 01:53:33,280

uh years on down the road with the scent

2865

01:53:36,470 --> 01:53:34,560

with the genetic

2866

01:53:38,310 --> 01:53:36,480

changes of markers that are implemented

2867

01:53:40,870 --> 01:53:38,320

in the genome in the dna

2868

01:53:42,790 --> 01:53:40,880

you don't know nature's been pretty good

2869

01:53:44,470 --> 01:53:42,800

by doing things on its own

2870

01:53:45,830 --> 01:53:44,480

right so there's that aspect but the

2871

01:53:48,790 --> 01:53:45,840

other part of it is

2872

01:53:50,550 --> 01:53:48,800

if you push things uh a thousand years

2873

01:53:53,350 --> 01:53:50,560

out into the future

2874

01:53:55,750 --> 01:53:53,360

that maybe these developments uh are

2875

01:53:59,750 --> 01:53:55,760

gonna be part of the distant past

2876

01:54:01,669 --> 01:53:59,760

how much of it will be actual humans

2877

01:54:03,510 --> 01:54:01,679

right we're talking about transhumanist

2878

01:54:05,270 --> 01:54:03,520

things body parts that are slowly

2879

01:54:09,350 --> 01:54:05,280

replaced over time

2880

01:54:10,629 --> 01:54:09,360

where you eventually achieve a status of

2881

01:54:13,030 --> 01:54:10,639

immortality

2882

01:54:15,270 --> 01:54:13,040

and that same genome manipulation that

2883

01:54:18,470 --> 01:54:15,280

you're talking about right now

2884

01:54:20,790 --> 01:54:18,480

may start extending life right

2885

01:54:22,149 --> 01:54:20,800

in the next 10 years or 20 years the

2886

01:54:24,470 --> 01:54:22,159

people that are 20 years

2887

01:54:26,390 --> 01:54:24,480

old right now they have a good chance of

2888

01:54:28,629 --> 01:54:26,400

living to 200.

2889

01:54:30,470 --> 01:54:28,639

they do uh we're we're close on a lot of

2890

01:54:33,589 --> 01:54:30,480

those issues already i mean right

2891

01:54:34,470 --> 01:54:33,599

uh the uh the organization that uh

2892

01:54:37,750 --> 01:54:34,480

google's uh

2893

01:54:39,430 --> 01:54:37,760

co-founders started uh has been working

2894

01:54:42,149 --> 01:54:39,440

on what they kind of consider the

2895

01:54:42,790 --> 01:54:42,159

seven factors uh that leads to our aging

2896

01:54:45,109 --> 01:54:42,800

because

2897

01:54:46,870 --> 01:54:45,119

our body does it to itself it doesn't uh

2898

01:54:47,910 --> 01:54:46,880

it doesn't have to age if it doesn't

2899

01:54:50,070 --> 01:54:47,920

want to

2900

01:54:52,629 --> 01:54:50,080

um the chemical reactions that cause

2901  
01:54:54,629 --> 01:54:52,639  
aging the slowdown and the reproduction

2902  
01:54:57,830 --> 01:54:54,639  
of certain types of cells

2903  
01:54:58,629 --> 01:54:57,840  
um is all it's all built into how we

2904  
01:55:01,589 --> 01:54:58,639  
evolved

2905  
01:55:02,229 --> 01:55:01,599  
and uh so they are solvable solutions

2906  
01:55:04,149 --> 01:55:02,239  
like

2907  
01:55:05,669 --> 01:55:04,159  
the the newest one that's really been

2908  
01:55:06,629 --> 01:55:05,679  
solved and then we don't have a solution

2909  
01:55:08,950 --> 01:55:06,639  
to actually

2910  
01:55:09,990 --> 01:55:08,960  
fix it yet but we know what the problem

2911  
01:55:13,350 --> 01:55:10,000  
is now is

2912  
01:55:16,229 --> 01:55:13,360  
uh the barrier for age you know you'll

2913  
01:55:16,950 --> 01:55:16,239

see the random 114 year old that made it

2914

01:55:19,990 --> 01:55:16,960

and

2915

01:55:21,750 --> 01:55:20,000

the unbelievably rare 115 year old but

2916

01:55:23,589 --> 01:55:21,760

the average for someone who just doesn't

2917

01:55:24,709 --> 01:55:23,599

go of earlier natural causes or

2918

01:55:27,830 --> 01:55:24,719

something worse

2919

01:55:30,470 --> 01:55:27,840

is between 110 and 113

2920

01:55:31,990 --> 01:55:30,480

and they actually have come up with

2921

01:55:35,030 --> 01:55:32,000

where that number comes from

2922

01:55:37,350 --> 01:55:35,040

and why and the answer to that is

2923

01:55:38,390 --> 01:55:37,360

you have a certain type of stem cell in

2924

01:55:42,070 --> 01:55:38,400

your body

2925

01:55:44,070 --> 01:55:42,080

that creates red blood cells and each

2926

01:55:46,229 --> 01:55:44,080

one of those stem cells can only create

2927

01:55:47,910 --> 01:55:46,239

so many you start out with somewhere i

2928

01:55:48,870 --> 01:55:47,920

think the number was like 20 000 of

2929

01:55:51,910 --> 01:55:48,880

these that's right

2930

01:55:53,430 --> 01:55:51,920

and as they die off uh new ones

2931

01:55:54,950 --> 01:55:53,440

activate that we're sitting there

2932

01:55:57,430 --> 01:55:54,960

dormant but you have

2933

01:55:59,109 --> 01:55:57,440

less of a right you have less of a

2934

01:56:01,589 --> 01:55:59,119

replication number

2935

01:56:03,589 --> 01:56:01,599

and that continues to degrade until it

2936

01:56:04,629 --> 01:56:03,599

gets you run out you get to zero you're

2937

01:56:06,149 --> 01:56:04,639

out of chips

2938

01:56:07,830 --> 01:56:06,159

and and you're no longer creating

2939

01:56:10,390 --> 01:56:07,840

healthy red blood cells right

2940

01:56:11,189 --> 01:56:10,400

and so all you have to do then is

2941

01:56:14,470 --> 01:56:11,199

genetically

2942

01:56:17,830 --> 01:56:14,480

recreate those specific stem cells

2943

01:56:20,709 --> 01:56:17,840

and the 110 to 113 age barrier

2944

01:56:22,310 --> 01:56:20,719

is gone and then you've got to work on

2945

01:56:24,149 --> 01:56:22,320

the brain and the wonderful

2946

01:56:26,149 --> 01:56:24,159

signals it sends out to pieces of the

2947

01:56:27,350 --> 01:56:26,159

body that it's time for you to stop

2948

01:56:29,189 --> 01:56:27,360

regenerating

2949

01:56:30,550 --> 01:56:29,199

uh because it does that there's multiple

2950

01:56:33,189 --> 01:56:30,560

different signals it sends out

2951  
01:56:33,910 --> 01:56:33,199  
telling things not to regenerate anymore

2952  
01:56:35,750 --> 01:56:33,920  
and uh

2953  
01:56:37,510 --> 01:56:35,760  
those are chemical signals we can turn

2954  
01:56:38,950 --> 01:56:37,520  
them off try to figure out how to turn

2955  
01:56:42,470 --> 01:56:38,960  
them off safely so

2956  
01:56:45,589 --> 01:56:42,480  
aging is gonna i think be solved easier

2957  
01:56:47,189 --> 01:56:45,599  
than agi is no i think we're right there

2958  
01:56:49,669 --> 01:56:47,199  
i was listening to

2959  
01:56:51,189 --> 01:56:49,679  
a couple of biologists uh talk about

2960  
01:56:54,310 --> 01:56:51,199  
this the other day

2961  
01:56:56,149 --> 01:56:54,320  
and i was fascinated with the research

2962  
01:56:58,149 --> 01:56:56,159  
and the one where they were like we we

2963  
01:57:00,790 --> 01:56:58,159

got the aha moment

2964

01:57:01,589 --> 01:57:00,800

right we've got a number it's very

2965

01:57:03,589 --> 01:57:01,599

specific

2966

01:57:05,430 --> 01:57:03,599

and we know that red blood cell

2967

01:57:08,229 --> 01:57:05,440

replication

2968

01:57:09,189 --> 01:57:08,239

has an absolute drop dead point

2969

01:57:11,430 --> 01:57:09,199

genetically

2970

01:57:12,470 --> 01:57:11,440

in the dna it says you're not

2971

01:57:15,830 --> 01:57:12,480

reproducing

2972

01:57:16,310 --> 01:57:15,840

anymore that's it and that's where it's

2973

01:57:19,189 --> 01:57:16,320

at

2974

01:57:20,070 --> 01:57:19,199

now they have to backtrack and and flip

2975

01:57:22,310 --> 01:57:20,080

that switch

2976

01:57:23,510 --> 01:57:22,320

from one direction to the other and it

2977

01:57:26,390 --> 01:57:23,520

could be

2978

01:57:27,510 --> 01:57:26,400

to the infinite right where the red

2979

01:57:30,870 --> 01:57:27,520

blood cells will

2980

01:57:31,830 --> 01:57:30,880

always regenerate forever you just turn

2981

01:57:34,310 --> 01:57:31,840

it off

2982

01:57:36,310 --> 01:57:34,320

it's fascinating i mean you you have to

2983

01:57:38,390 --> 01:57:36,320

replace those stem cells at a rate where

2984

01:57:39,030 --> 01:57:38,400

you're not replacing too many of them so

2985

01:57:41,030 --> 01:57:39,040

like you

2986

01:57:42,390 --> 01:57:41,040

just you know cancerous style you know

2987

01:57:43,910 --> 01:57:42,400

over generate

2988

01:57:45,430 --> 01:57:43,920

so you've got to do something that you

2989

01:57:48,629 --> 01:57:45,440

know replaces them

2990

01:57:49,030 --> 01:57:48,639

over time or makes them last longer or

2991

01:57:51,669 --> 01:57:49,040

you know

2992

01:57:53,109 --> 01:57:51,679

something along those lines but that's

2993

01:57:55,510 --> 01:57:53,119

the type of science we've done to the

2994

01:57:58,310 --> 01:57:55,520

human body in multiple ways already

2995

01:58:00,470 --> 01:57:58,320

and uh so that that's not going to be

2996

01:58:02,070 --> 01:58:00,480

that complex of a problem now that they

2997

01:58:03,510 --> 01:58:02,080

understand it they've just got to do the

2998

01:58:05,990 --> 01:58:03,520

work to solve it

2999

01:58:07,430 --> 01:58:06,000

um it's a solvable thing the problem is

3000

01:58:10,629 --> 01:58:07,440

is that it's one of like

3001  
01:58:11,830 --> 01:58:10,639  
seven heavy factors right and according

3002  
01:58:14,070 --> 01:58:11,840  
to the google people

3003  
01:58:15,510 --> 01:58:14,080  
they've solved like three of the seven

3004  
01:58:17,430 --> 01:58:15,520  
and yeah

3005  
01:58:18,550 --> 01:58:17,440  
that's crazy to me for one that they're

3006  
01:58:20,149 --> 01:58:18,560  
already you know there

3007  
01:58:21,990 --> 01:58:20,159  
but uh there are other groups that are

3008  
01:58:24,229 --> 01:58:22,000  
working the same problems and

3009  
01:58:25,910 --> 01:58:24,239  
they've solved at least one if not two

3010  
01:58:27,910 --> 01:58:25,920  
on their own as well so

3011  
01:58:29,350 --> 01:58:27,920  
again i mean aging is going to be a

3012  
01:58:31,910 --> 01:58:29,360  
thing that is probably

3013  
01:58:33,109 --> 01:58:31,920

solved in some way in the next 20 years

3014

01:58:36,470 --> 01:58:33,119

i still think agi

3015

01:58:38,470 --> 01:58:36,480

is probably also about that long off

3016

01:58:39,750 --> 01:58:38,480

well i don't know that agi itself and

3017

01:58:41,589 --> 01:58:39,760

artificial intelligence and the

3018

01:58:42,310 --> 01:58:41,599

singularity is what solves that for us i

3019

01:58:44,790 --> 01:58:42,320

think

3020

01:58:46,390 --> 01:58:44,800

we might get there before that well with

3021

01:58:48,709 --> 01:58:46,400

uh the calculation

3022

01:58:50,070 --> 01:58:48,719

speed it's certainly processing speed

3023

01:58:52,870 --> 01:58:50,080

and computing speed is

3024

01:58:55,350 --> 01:58:52,880

is continuing to increase it's at a

3025

01:58:58,070 --> 01:58:55,360

slower rate but it's still there

3026  
01:58:58,709 --> 01:58:58,080  
and it's not going to slow down but but

3027  
01:59:01,270 --> 01:58:58,719  
coding

3028  
01:59:02,070 --> 01:59:01,280  
and the interconnection of computers and

3029  
01:59:05,510 --> 01:59:02,080  
creating

3030  
01:59:08,310 --> 01:59:05,520  
uh more uh instructions

3031  
01:59:09,430 --> 01:59:08,320  
is something that once we get to ag or

3032  
01:59:12,310 --> 01:59:09,440  
ai

3033  
01:59:12,790 --> 01:59:12,320  
or super uh artificial intelligence

3034  
01:59:15,430 --> 01:59:12,800  
won't we

3035  
01:59:17,350 --> 01:59:15,440  
once we get there it's the calculations

3036  
01:59:20,550 --> 01:59:17,360  
that are needed for chemistry

3037  
01:59:22,229 --> 01:59:20,560  
for biology and and for genetics and the

3038  
01:59:25,750 --> 01:59:22,239

genome and dna

3039

01:59:28,390 --> 01:59:25,760

that you need with ai to solve

3040

01:59:30,229 --> 01:59:28,400

all of the diseases and medical issues

3041

01:59:31,109 --> 01:59:30,239

that are confronting us and that is one

3042

01:59:34,470 --> 01:59:31,119

of the benefits

3043

01:59:36,470 --> 01:59:34,480

of uh ai yeah

3044

01:59:37,990 --> 01:59:36,480

uh i mean again the one thing you're

3045

01:59:40,070 --> 01:59:38,000

going to get out of uh

3046

01:59:41,669 --> 01:59:40,080

you know ai and agi that you know we're

3047

01:59:42,790 --> 01:59:41,679

just not going to be able to do to

3048

01:59:44,709 --> 01:59:42,800

ourselves is

3049

01:59:46,470 --> 01:59:44,719

the speed at which it can go through

3050

01:59:47,910 --> 01:59:46,480

data and find patterns and find

3051

01:59:49,990 --> 01:59:47,920

correlations and

3052

01:59:52,070 --> 01:59:50,000

come up with uh you know other things

3053

01:59:53,109 --> 01:59:52,080

such as a drug or something that matches

3054

01:59:54,709 --> 01:59:53,119

those patterns

3055

01:59:56,950 --> 01:59:54,719

that we would have never seen in that

3056

01:59:58,390 --> 01:59:56,960

data um it's going to be able to do

3057

01:59:59,910 --> 01:59:58,400

some amazing stuff that we're never

3058

02:00:01,350 --> 01:59:59,920

going to be able to do let's take our

3059

02:00:01,830 --> 02:00:01,360

break right here our guest tonight greg

3060

02:00:03,830 --> 02:00:01,840

house

3061

02:00:05,350 --> 02:00:03,840

the one and only we're talking about

3062

02:00:08,070 --> 02:00:05,360

artificial intelligence

3063

02:00:09,830 --> 02:00:08,080

and the singularity you can follow me on

3064

02:00:10,229 --> 02:00:09,840

twitter at j church radio you can follow

3065

02:00:13,750 --> 02:00:10,239

greg

3066

02:00:20,709 --> 02:00:13,760

house

3067

02:00:28,310 --> 02:00:22,149

hi everybody this is rob alfred the

3068

02:00:31,910 --> 02:00:30,870

this is kgra digital broadcasting

3069

02:00:35,589 --> 02:00:31,920

station

3070

02:00:37,350 --> 02:00:35,599

salt lake city utah van buren arkansas

3071

02:00:39,510 --> 02:00:37,360

why is it we're not very good with our

3072

02:00:40,870 --> 02:00:39,520

health regiment until it's too late we

3073

02:00:42,390 --> 02:00:40,880

don't put oil in the car

3074

02:00:44,629 --> 02:00:42,400

until the engine blows up when the

3075

02:00:47,109 --> 02:00:44,639

body's out of balance your health

3076

02:00:49,830 --> 02:00:47,119

is not so good give your body some love

3077

02:00:50,390 --> 02:00:49,840

log on to get the tea.com that's get the

3078

02:00:55,030 --> 02:00:50,400

tea

3079

02:00:57,189 --> 02:00:55,040

cleanses you from harmful intruders

3080

02:00:58,709 --> 02:00:57,199

a clean colon is one of the ways to

3081

02:01:00,709 --> 02:00:58,719

bring the body in balance

3082

02:01:01,830 --> 02:01:00,719

we also carry organic supplements to

3083

02:01:04,550 --> 02:01:01,840

help you get where

3084

02:01:08,109 --> 02:01:04,560

you need to go so do your body a favor

3085

02:01:09,350 --> 02:01:08,119

log on to get the tea.com that's get the

3086

02:01:11,589 --> 02:01:09,360

ttea.com

3087

02:01:12,870 --> 02:01:11,599

you can even visit our sales page to

3088

02:01:15,109 --> 02:01:12,880

save some dough

3089

02:01:16,790 --> 02:01:15,119

does anybody call money dough anymore

3090

02:01:18,070 --> 02:01:16,800

anyway if you're looking for short

3091

02:01:20,470 --> 02:01:18,080

helpful health tips

3092

02:01:22,709 --> 02:01:20,480

go to youtube and punch in health

3093

02:01:25,910 --> 02:01:22,719

matters now that's health

3094

02:01:28,950 --> 02:01:25,920

matters now so

3095

02:01:31,430 --> 02:01:28,960

log on to get the tea.com shop get

3096

02:01:33,750 --> 02:01:31,440

balanced then learn some cool tips at

3097

02:01:35,350 --> 02:01:33,760

health matters now you'll be glad you

3098

02:01:38,950 --> 02:01:35,360

did that's get the

3099

02:01:42,030 --> 02:01:38,960

dot com your contact for current news

3100

02:01:43,910 --> 02:01:42,040

and trending topics

3101

02:01:45,750 --> 02:01:43,920

kgraradio.com

3102

02:01:46,950 --> 02:01:45,760

this is jimmy church of fade to black

3103

02:01:49,990 --> 02:01:46,960

and i only

3104

02:01:52,629 --> 02:01:50,000

drink fade to black blend coffee

3105

02:01:54,510 --> 02:01:52,639

from river moon just click on the river

3106

02:01:55,669 --> 02:01:54,520

moon coffee banner at

3107

02:01:58,950 --> 02:01:55,679

jimmychurchradio.com

3108

02:02:01,510 --> 02:01:58,960

promo code f2b blend

3109

02:02:04,390 --> 02:02:01,520

let's face it you've always wanted to do

3110

02:02:07,589 --> 02:02:04,400

a sky watch and see your first ufo

3111

02:02:10,870 --> 02:02:07,599

today it's easy just get your own hp

3112

02:02:11,750 --> 02:02:10,880

7 3b cobalt jimmy church edition night

3113

02:02:14,310 --> 02:02:11,760

vision goggles

3114

02:02:16,709 --> 02:02:14,320

from hoffman's optics this is the same

3115

02:02:18,390 --> 02:02:16,719

us military system that i use featuring

3116

02:02:21,270 --> 02:02:18,400

a generation three blue

3117

02:02:21,910 --> 02:02:21,280

phosphor image tube that's right it's

3118

02:02:24,790 --> 02:02:21,920

blue

3119

02:02:26,229 --> 02:02:24,800

not black and green this is the only

3120

02:02:28,629 --> 02:02:26,239

blue system in the world

3121

02:02:31,430 --> 02:02:28,639

and it's waterproof lightweight combat

3122

02:02:33,830 --> 02:02:31,440

proven simple to use and ready to go

3123

02:02:35,270 --> 02:02:33,840

hoffman's optics help create night

3124

02:02:37,189 --> 02:02:35,280

vision sky watches

3125

02:02:39,109 --> 02:02:37,199

and now you can see what everyone has

3126  
02:02:40,229 --> 02:02:39,119  
been talking about each night from your

3127  
02:02:43,669 --> 02:02:40,239  
own backyard

3128  
02:02:47,589 --> 02:02:43,679  
just call 760-231-9929

3129  
02:02:49,589 --> 02:02:47,599  
that's 760-231

3130  
02:02:52,870 --> 02:02:49,599  
you can click on the banners on our site

3131  
02:02:57,030 --> 02:02:52,880  
or visit [ufonightvisiongoggles.com](http://ufonightvisiongoggles.com)

3132  
02:03:00,950 --> 02:02:57,040  
that's [ufonightvisiongoggles.com](http://ufonightvisiongoggles.com)

3133  
02:03:02,149 --> 02:03:00,960  
go backly this tappy the only way

3134  
02:03:06,310 --> 02:03:02,159  
forward

3135  
02:03:11,109 --> 02:03:06,320  
this is made to black make contact

3136  
02:03:16,709 --> 02:03:14,310  
listen i know and you know that you've

3137  
02:03:18,950 --> 02:03:16,719  
always wanted your first crystal skull

3138  
02:03:21,109 --> 02:03:18,960

or maybe you're a collector just like me

3139

02:03:22,950 --> 02:03:21,119

but you just don't know where to go to

3140

02:03:26,189 --> 02:03:22,960

find the real thing

3141

02:03:27,589 --> 02:03:26,199

then i met carolyn ford over at

3142

02:03:29,990 --> 02:03:27,599

einsteinthecrystalskull.com

3143

02:03:31,990 --> 02:03:30,000

carolyn is the guardian of einstein one

3144

02:03:33,510 --> 02:03:32,000

of the most respected ancient crystal

3145

02:03:35,189 --> 02:03:33,520

skulls in the world

3146

02:03:37,430 --> 02:03:35,199

all of her unique skulls have been

3147

02:03:39,430 --> 02:03:37,440

imprinted sitting with einstein in his

3148

02:03:41,669 --> 02:03:39,440

sacred lodge and are carved from the

3149

02:03:43,830 --> 02:03:41,679

finest gemstone and materials

3150

02:03:45,990 --> 02:03:43,840

imprinting is the process of receiving

3151

02:03:49,189 --> 02:03:46,000

the ancient wisdom from the master

3152

02:03:51,030 --> 02:03:49,199

skull or master computer einstein the

3153

02:03:52,709 --> 02:03:51,040

ancient crystal skull

3154

02:03:56,430 --> 02:03:52,719

to see carolyn's current collection of

3155

02:03:58,069 --> 02:03:56,440

crystal skulls just visit her store at

3156

02:04:00,069 --> 02:03:58,079

einsteinthecrystalskull.com or click on

3157

02:04:02,550 --> 02:04:00,079

the banner over on our site

3158

02:04:04,470 --> 02:04:02,560

don't forget to use the promo code jimmy

3159

02:04:07,030 --> 02:04:04,480

at checkout to receive 10

3160

02:04:07,750 --> 02:04:07,040

off of your order today that's promo

3161

02:04:10,310 --> 02:04:07,760

code

3162

02:04:11,669 --> 02:04:10,320

jimmy finding your first or next crystal

3163

02:04:16,069 --> 02:04:11,679

skull is easy

3164

02:04:18,629 --> 02:04:16,079

just visit [einsteinthecrystalskull.com](http://einsteinthecrystalskull.com)

3165

02:04:20,790 --> 02:04:18,639

telepath is a weekly digital newsletter

3166

02:04:23,189 --> 02:04:20,800

filled with the latest paranormal news

3167

02:04:25,030 --> 02:04:23,199

trending topics and fresh articles from

3168

02:04:27,030 --> 02:04:25,040

some of the most popular critical

3169

02:04:28,550 --> 02:04:27,040

thinkers in the community today

3170

02:04:31,109 --> 02:04:28,560

stay informed on your favorite

3171

02:04:31,990 --> 02:04:31,119

paranormal podcasts and live streaming

3172

02:04:33,910 --> 02:04:32,000

talk shows

3173

02:04:35,350 --> 02:04:33,920

interact with the telepath and upload

3174

02:04:37,350 --> 02:04:35,360

your paranormal story or

3175

02:04:38,550 --> 02:04:37,360

picks it could be featured in an

3176

02:04:41,030 --> 02:04:38,560

upcoming edition

3177

02:04:43,589 --> 02:04:41,040

sign up right now for the free telepath

3178

02:04:55,189 --> 02:04:43,599

newsletter at paranormal dot radio

3179

02:05:02,149 --> 02:04:58,310

you want to know a secret i love

3180

02:05:04,149 --> 02:05:02,159

ponies i really love ponies i'm serious

3181

02:05:05,750 --> 02:05:04,159

i couldn't stay sane without pawn needs

3182

02:05:09,910 --> 02:05:05,760

to

3183

02:05:14,310 --> 02:05:09,920

that pony

3184

02:05:18,790 --> 02:05:16,470

this is fade to black with jimmy church

3185

02:05:36,069 --> 02:05:18,800

on the game changer radio network

3186

02:05:39,270 --> 02:05:37,750

welcome back fade to black i am your

3187

02:05:40,390 --> 02:05:39,280

host jimmy church our guest tonight greg

3188

02:05:42,470 --> 02:05:40,400

house

3189

02:05:44,550 --> 02:05:42,480

talking about artificial intelligence

3190

02:05:47,910 --> 02:05:44,560

and the singularity

3191

02:05:48,550 --> 02:05:47,920

and right now there's another twist the

3192

02:05:52,310 --> 02:05:48,560

to this

3193

02:05:53,750 --> 02:05:52,320

entire conversation that i i want to uh

3194

02:05:57,109 --> 02:05:53,760

start to explore greg

3195

02:06:00,470 --> 02:05:57,119

and and that is this i believe that

3196

02:06:02,069 --> 02:06:00,480

there are some very rich people in the

3197

02:06:04,950 --> 02:06:02,079

silicon valley

3198

02:06:06,950 --> 02:06:04,960

that know something that you and i don't

3199

02:06:10,870 --> 02:06:06,960

and they can afford

3200

02:06:14,510 --> 02:06:10,880

to explore ideas and

3201  
02:06:18,790 --> 02:06:14,520  
one of those for me is the question of

3202  
02:06:21,990 --> 02:06:18,800  
immortality and and uploading

3203  
02:06:25,030 --> 02:06:22,000  
one's mind onto a hard drive

3204  
02:06:28,149 --> 02:06:25,040  
to live forever and and

3205  
02:06:31,189 --> 02:06:28,159  
and live in that existence

3206  
02:06:33,669 --> 02:06:31,199  
and now and consciousness comes uh a

3207  
02:06:37,750 --> 02:06:33,679  
part of this question too as well

3208  
02:06:40,550 --> 02:06:37,760  
do you see this as being a reality

3209  
02:06:43,589 --> 02:06:40,560  
i have many questions about it but let's

3210  
02:06:49,109 --> 02:06:47,270  
uh it's a question of time um

3211  
02:06:50,950 --> 02:06:49,119  
you know we still can't even build a

3212  
02:06:52,709 --> 02:06:50,960  
machine that maps out the neurons

3213  
02:06:53,350 --> 02:06:52,719

properly as we talked about earlier with

3214

02:06:56,870 --> 02:06:53,360

the brain

3215

02:06:58,069 --> 02:06:56,880

uh you know project so it's a question

3216

02:07:00,470 --> 02:06:58,079

of time once they get

3217

02:07:02,870 --> 02:07:00,480

that solved and they can actually map a

3218

02:07:05,589 --> 02:07:02,880

human's neurons and build out

3219

02:07:06,310 --> 02:07:05,599

uh a system that actually works the same

3220

02:07:09,430 --> 02:07:06,320

as

3221

02:07:10,229 --> 02:07:09,440

uh those neurons then then we're in a

3222

02:07:12,069 --> 02:07:10,239

much different

3223

02:07:13,669 --> 02:07:12,079

place in this conversation and for the

3224

02:07:15,589 --> 02:07:13,679

answer as for whether they know

3225

02:07:17,430 --> 02:07:15,599

something i don't i mean

3226

02:07:19,270 --> 02:07:17,440

i'm poor as hell sitting at home here in

3227

02:07:20,470 --> 02:07:19,280

a house i can't afford rent on and

3228

02:07:22,229 --> 02:07:20,480

they're billionaires

3229

02:07:23,510 --> 02:07:22,239

so they they damn well do know something

3230

02:07:26,149 --> 02:07:23,520

i don't

3231

02:07:26,709 --> 02:07:26,159

um but uh you know that's a whole nother

3232

02:07:28,069 --> 02:07:26,719

story

3233

02:07:29,830 --> 02:07:28,079

um i think they're just better at

3234

02:07:32,310 --> 02:07:29,840

capitalism than i am

3235

02:07:35,990 --> 02:07:32,320

that game that makes two of us but uh

3236

02:07:39,109 --> 02:07:36,000

are memories just ones and zeroes

3237

02:07:40,950 --> 02:07:39,119

right is it is it just binary is it just

3238

02:07:42,709 --> 02:07:40,960

a way to store it in your wonderful

3239

02:07:44,229 --> 02:07:42,719

little brain there so i'm sure it's

3240

02:07:46,550 --> 02:07:44,239

something similar to that

3241

02:07:47,750 --> 02:07:46,560

uh and we'll figure it out and map it

3242

02:07:51,189 --> 02:07:47,760

now uh

3243

02:07:53,990 --> 02:07:51,199

michio kaku was on this show uh

3244

02:07:55,350 --> 02:07:54,000

many years ago but he does his face is

3245

02:07:59,189 --> 02:07:55,360

one of my favorite books

3246

02:08:02,229 --> 02:07:59,199

yeah man and uh well anyway he um

3247

02:08:06,470 --> 02:08:02,239

he said one thing on this show that

3248

02:08:09,270 --> 02:08:06,480

uh shook me and he said

3249

02:08:09,990 --> 02:08:09,280

that darpa now this is coming from

3250

02:08:13,350 --> 02:08:10,000

michio

3251  
02:08:17,430 --> 02:08:13,360  
not for me he said that darpa has

3252  
02:08:20,950 --> 02:08:17,440  
already downloaded

3253  
02:08:25,109 --> 02:08:20,960  
dreams darpa has already

3254  
02:08:28,390 --> 02:08:25,119  
downloaded memory

3255  
02:08:31,910 --> 02:08:28,400  
and that that neural connection

3256  
02:08:33,430 --> 02:08:31,920  
is a matter of fact now

3257  
02:08:35,669 --> 02:08:33,440  
this is something that has not been

3258  
02:08:36,790 --> 02:08:35,679  
confirmed it's been rumored and talked

3259  
02:08:39,430 --> 02:08:36,800  
about

3260  
02:08:40,390 --> 02:08:39,440  
but if that's the case where are these

3261  
02:08:43,750 --> 02:08:40,400  
memories

3262  
02:08:47,750 --> 02:08:43,760  
being stored and how is

3263  
02:08:49,030 --> 02:08:47,760

the code written to have communication

3264

02:08:52,870 --> 02:08:49,040

between

3265

02:08:55,589 --> 02:08:52,880

the brain and the neuron network and

3266

02:08:56,390 --> 02:08:55,599

through an interface and then finally

3267

02:09:01,430 --> 02:08:56,400

onto

3268

02:09:04,390 --> 02:09:02,950

yeah i mean i think we're going to get

3269

02:09:05,669 --> 02:09:04,400

there and i think they're going to be

3270

02:09:08,229 --> 02:09:05,679

the first ones to do it

3271

02:09:09,189 --> 02:09:08,239

the question is will it be done in a way

3272

02:09:10,790 --> 02:09:09,199

in which uh

3273

02:09:14,790 --> 02:09:10,800

you know the normal people ever get

3274

02:09:16,550 --> 02:09:14,800

access to it now and this is where

3275

02:09:18,310 --> 02:09:16,560

this is where i think the conversation

3276

02:09:21,510 --> 02:09:18,320

is flawed

3277

02:09:23,109 --> 02:09:21,520

where the assumption is

3278

02:09:24,629 --> 02:09:23,119

for the lay person out there for

3279

02:09:26,709 --> 02:09:24,639

somebody that's listening to this and

3280

02:09:30,229 --> 02:09:26,719

reading great science fiction

3281

02:09:31,510 --> 02:09:30,239

is that bill gates i'm just saying bill

3282

02:09:34,229 --> 02:09:31,520

gates i'm not saying bill gates

3283

02:09:37,030 --> 02:09:34,239

specifically but let's say bill gates

3284

02:09:37,910 --> 02:09:37,040

uh uh uploads one of the 10 richest

3285

02:09:41,270 --> 02:09:37,920

people in the world

3286

02:09:44,310 --> 02:09:41,280

that's right right he uploads his

3287

02:09:47,189 --> 02:09:44,320

brain onto a hard drive

3288

02:09:47,589 --> 02:09:47,199

and now and it's where it's successful

3289

02:09:51,030 --> 02:09:47,599

right

3290

02:09:54,310 --> 02:09:51,040

okay but that isn't

3291

02:09:57,510 --> 02:09:54,320

bill gates that's a different

3292

02:09:58,149 --> 02:09:57,520

bill gates bill gates the living bill

3293

02:10:02,390 --> 02:09:58,159

gates

3294

02:10:05,430 --> 02:10:02,400

isn't experiencing the world of tron

3295

02:10:08,709 --> 02:10:05,440

his twin is right

3296

02:10:10,470 --> 02:10:08,719

he's not immortal

3297

02:10:11,910 --> 02:10:10,480

bill gates is still sitting in front of

3298

02:10:14,310 --> 02:10:11,920

you in a chair

3299

02:10:16,189 --> 02:10:14,320

there is a second bill gates that is

3300

02:10:17,669 --> 02:10:16,199

often running creating its own

3301

02:10:20,390 --> 02:10:17,679

experiences

3302

02:10:22,470 --> 02:10:20,400

and its own life two independent things

3303

02:10:26,069 --> 02:10:22,480

you don't get to experience

3304

02:10:30,950 --> 02:10:29,030

uh sure i mean you know if it's a copy

3305

02:10:33,109 --> 02:10:30,960

it's a copy right if it's uh

3306

02:10:35,030 --> 02:10:33,119

uh dying man's last wish and you know

3307

02:10:36,310 --> 02:10:35,040

that one starts up and this one dies

3308

02:10:38,149 --> 02:10:36,320

then you know that that's a different

3309

02:10:39,990 --> 02:10:38,159

story there is only one

3310

02:10:41,350 --> 02:10:40,000

but uh if you make a copy and you're

3311

02:10:43,350 --> 02:10:41,360

both there well of course

3312

02:10:44,790 --> 02:10:43,360

for one you are you know the sum of your

3313

02:10:46,229 --> 02:10:44,800

experiences right and your your

3314

02:10:49,030 --> 02:10:46,239

experiences are

3315

02:10:49,990 --> 02:10:49,040

entirely uh built around the environment

3316

02:10:52,390 --> 02:10:50,000

you have them in

3317

02:10:54,629 --> 02:10:52,400

so whatever they might have been at the

3318

02:10:56,629 --> 02:10:54,639

same time that the copy was made

3319

02:10:58,310 --> 02:10:56,639

it will not be long before they are

3320

02:10:59,750 --> 02:10:58,320

indeed two distinct entities with

3321

02:11:01,510 --> 02:10:59,760

different experiences

3322

02:11:03,270 --> 02:11:01,520

one just based on the simple fact that

3323

02:11:04,390 --> 02:11:03,280

they are in entirely different

3324

02:11:06,470 --> 02:11:04,400

environments

3325

02:11:08,390 --> 02:11:06,480

that allow them to think uh through

3326

02:11:11,830 --> 02:11:08,400

issues entirely differently

3327

02:11:12,310 --> 02:11:11,840

now and your memories are there okay for

3328

02:11:15,510 --> 02:11:12,320

sure

3329

02:11:17,669 --> 02:11:15,520

right the brain's been offloaded but the

3330

02:11:20,470 --> 02:11:17,679

consciousness

3331

02:11:23,109 --> 02:11:20,480

is that transferred is the evil

3332

02:11:26,390 --> 02:11:23,119

tyrannical

3333

02:11:29,430 --> 02:11:26,400

bill gates running amok uh in

3334

02:11:32,229 --> 02:11:29,440

in a computer network or

3335

02:11:33,270 --> 02:11:32,239

is it not right have you created

3336

02:11:36,310 --> 02:11:33,280

lawnmower man

3337

02:11:39,830 --> 02:11:37,830

right i mean that that's the

3338

02:11:42,390 --> 02:11:39,840

consideration here does consciousness

3339

02:11:44,870 --> 02:11:42,400

transfer with memory

3340

02:11:45,910 --> 02:11:44,880

i mean give me a good definition of

3341

02:11:47,189 --> 02:11:45,920

consciousness and

3342

02:11:48,950 --> 02:11:47,199

i'll try and answer the question after

3343

02:11:52,390 --> 02:11:48,960

that yeah

3344

02:11:55,669 --> 02:11:52,400

i mean no can consciousness be coded

3345

02:11:58,790 --> 02:11:55,679

right i mean that's

3346

02:12:00,229 --> 02:11:58,800

that's the thing so when when everybody

3347

02:12:03,350 --> 02:12:00,239

talks about this evil

3348

02:12:06,390 --> 02:12:03,360

idea of uh uploading

3349

02:12:10,310 --> 02:12:06,400

uh the evil idea of greg house being

3350

02:12:13,350 --> 02:12:10,320

uploaded into a robot right okay

3351

02:12:16,709 --> 02:12:13,360

is the evil consciousness

3352

02:12:23,189 --> 02:12:16,719

of of greg house also

3353

02:12:27,589 --> 02:12:26,310

oh greg is texting greg is tweeting did

3354

02:12:29,350 --> 02:12:27,599

you just tweet

3355

02:12:31,589 --> 02:12:29,360

you got so awesome i'm actually talking

3356

02:12:33,270 --> 02:12:31,599

to your fans in your chat

3357

02:12:34,870 --> 02:12:33,280

oh is that where you're at you're in the

3358

02:12:37,350 --> 02:12:34,880

chat room yeah

3359

02:12:38,629 --> 02:12:37,360

on youtube oh you're on youtube okay

3360

02:12:38,950 --> 02:12:38,639

hello i don't know where the other chat

3361

02:12:40,709 --> 02:12:38,960

is

3362

02:12:42,470 --> 02:12:40,719

oh yeah we've got we've got three or

3363

02:12:43,750 --> 02:12:42,480

four chat rooms but uh

3364

02:12:46,069 --> 02:12:43,760

i need to get one of those systems that

3365

02:12:49,109 --> 02:12:46,079

brings them all together into one oh man

3366

02:12:50,470 --> 02:12:49,119

i don't know about that stuff i mean

3367

02:12:52,390 --> 02:12:50,480

according to your chat you also can't

3368

02:12:54,149 --> 02:12:52,400

get anything into sync but uh

3369

02:12:55,669 --> 02:12:54,159

i i can't tell cause i hear it like

3370

02:12:58,310 --> 02:12:55,679

seconds before it goes out on the video

3371

02:13:01,430 --> 02:13:00,790

uh we're in sync i'm not worried about

3372

02:13:03,990 --> 02:13:01,440

that

3373

02:13:04,950 --> 02:13:04,000

but uh so let's stay on this for a

3374

02:13:08,229 --> 02:13:04,960

second

3375

02:13:11,830 --> 02:13:08,239

sure you know what i mean if if you

3376  
02:13:12,310 --> 02:13:11,840  
are if you make the choice to go ahead

3377  
02:13:15,750 --> 02:13:12,320  
and go

3378  
02:13:18,950 --> 02:13:15,760  
forward with this is it

3379  
02:13:22,229 --> 02:13:21,430  
is it you i mean i think it's you

3380  
02:13:24,709 --> 02:13:22,239  
initially

3381  
02:13:26,310 --> 02:13:24,719  
like for for all of you know a split

3382  
02:13:28,149 --> 02:13:26,320  
second

3383  
02:13:29,589 --> 02:13:28,159  
right hey i'm talking about your

3384  
02:13:30,390 --> 02:13:29,599  
consciousness whatever that thing

3385  
02:13:32,790 --> 02:13:30,400  
becomes

3386  
02:13:34,790 --> 02:13:32,800  
i'm talking about your consciousness you

3387  
02:13:37,030 --> 02:13:34,800  
know sure but again

3388  
02:13:38,550 --> 02:13:37,040

as i've said earlier like i i just i

3389

02:13:40,629 --> 02:13:38,560

have no idea what a consciousness

3390

02:13:42,229 --> 02:13:40,639

is and either does science if they're

3391

02:13:43,030 --> 02:13:42,239

being honest with themselves because

3392

02:13:44,550 --> 02:13:43,040

again you know

3393

02:13:46,470 --> 02:13:44,560

there are entire documentaries that just

3394

02:13:47,750 --> 02:13:46,480

talk about consciousness and what we

3395

02:13:50,149 --> 02:13:47,760

believe it to be

3396

02:13:51,669 --> 02:13:50,159

and they do the whole wonderful fade out

3397

02:13:52,550 --> 02:13:51,679

fade in with the next person they put

3398

02:13:54,069 --> 02:13:52,560

their name and

3399

02:13:55,830 --> 02:13:54,079

you know what college or company they

3400

02:13:57,430 --> 02:13:55,840

work for underneath of them and

3401  
02:13:59,109 --> 02:13:57,440  
every single one of them say a different

3402  
02:14:00,790 --> 02:13:59,119  
thing and these are documentaries from

3403  
02:14:01,510 --> 02:14:00,800  
only the last couple years we're still

3404  
02:14:04,550 --> 02:14:01,520  
there

3405  
02:14:05,990 --> 02:14:04,560  
so who knows i mean at this point who

3406  
02:14:09,270 --> 02:14:06,000  
knows

3407  
02:14:12,709 --> 02:14:09,280  
and and with that

3408  
02:14:13,189 --> 02:14:12,719  
if we are going to do something like and

3409  
02:14:15,510 --> 02:14:13,199  
we

3410  
02:14:17,910 --> 02:14:15,520  
touched upon this very briefly earlier

3411  
02:14:20,310 --> 02:14:17,920  
but if we're going to go interstellar

3412  
02:14:21,990 --> 02:14:20,320  
if we are truly going to do that if et

3413  
02:14:24,149 --> 02:14:22,000

is visiting here and i want to talk to

3414

02:14:27,030 --> 02:14:24,159

you about ufos in just a second

3415

02:14:29,350 --> 02:14:27,040

if et is getting here we're probably not

3416

02:14:32,550 --> 02:14:29,360

seeing something biological

3417

02:14:33,030 --> 02:14:32,560

if it's truly traveling at the speed of

3418

02:14:35,910 --> 02:14:33,040

light

3419

02:14:37,910 --> 02:14:35,920

from like you said andromeda which is 2

3420

02:14:43,669 --> 02:14:37,920

million light years away

3421

02:14:45,669 --> 02:14:43,679

anything biological that is getting here

3422

02:14:47,270 --> 02:14:45,679

unless they have something else that is

3423

02:14:48,870 --> 02:14:47,280

folding space and they get here in a

3424

02:14:49,910 --> 02:14:48,880

couple of seconds that's another issue

3425

02:14:51,510 --> 02:14:49,920

altogether

3426

02:14:53,350 --> 02:14:51,520

but if you're going to travel the stars

3427

02:14:55,270 --> 02:14:53,360

if you're going to go interstellar

3428

02:14:57,510 --> 02:14:55,280

what's controlling those ships is

3429

02:15:00,310 --> 02:14:57,520

artificial intelligence

3430

02:15:01,270 --> 02:15:00,320

the first version of us that e.t meets

3431

02:15:04,470 --> 02:15:01,280

is the ai

3432

02:15:05,350 --> 02:15:04,480

version of ourselves maybe but i mean

3433

02:15:07,109 --> 02:15:05,360

you also have to

3434

02:15:09,510 --> 02:15:07,119

assume that if they've got uh something

3435

02:15:11,669 --> 02:15:09,520

strong enough to bring those ships here

3436

02:15:13,109 --> 02:15:11,679

across that distance uh then they've

3437

02:15:14,790 --> 02:15:13,119

probably solved uh uh

3438

02:15:16,550 --> 02:15:14,800

cryogenics a little and maybe they do

3439

02:15:19,270 --> 02:15:16,560

have a few of themselves frozen

3440

02:15:21,270 --> 02:15:19,280

who knows uh again that's a whole other

3441

02:15:23,270 --> 02:15:21,280

thing though where you've got you know

3442

02:15:24,950 --> 02:15:23,280

the star trek and star wars kind of idea

3443

02:15:28,069 --> 02:15:24,960

of what the universe looks like where

3444

02:15:29,510 --> 02:15:28,079

other life forms have to be like us

3445

02:15:31,350 --> 02:15:29,520

they have to i mean they don't have to

3446

02:15:34,229 --> 02:15:31,360

be bipedal but uh

3447

02:15:34,870 --> 02:15:34,239

you know they they form the way we do uh

3448

02:15:37,750 --> 02:15:34,880

you know i

3449

02:15:39,350 --> 02:15:37,760

and i i'm just not going to ascribe to

3450

02:15:41,750 --> 02:15:39,360

that necessity

3451

02:15:43,270 --> 02:15:41,760

uh we might not know another

3452

02:15:45,990 --> 02:15:43,280

intelligence when we see it

3453

02:15:47,830 --> 02:15:46,000

simply because it has evolved in a way

3454

02:15:51,270 --> 02:15:47,840

on a planet in an environment

3455

02:15:54,310 --> 02:15:51,280

where it is entirely foreign to us

3456

02:15:54,790 --> 02:15:54,320

not just foreign as in i don't speak you

3457

02:15:57,750 --> 02:15:54,800

know

3458

02:15:59,109 --> 02:15:57,760

solid mandarin but truly foreign in that

3459

02:16:02,390 --> 02:15:59,119

we don't understand

3460

02:16:05,109 --> 02:16:02,400

that as intelligence uh so who knows

3461

02:16:07,430 --> 02:16:05,119

yeah and with artificial intelligence i

3462

02:16:08,069 --> 02:16:07,440

i was actually going star trek and you

3463

02:16:10,709 --> 02:16:08,079

said it

3464

02:16:13,589 --> 02:16:10,719

see that that right there by the way

3465

02:16:15,830 --> 02:16:13,599

that's the universe and entanglement

3466

02:16:17,189 --> 02:16:15,840

causing us to be connected right now

3467

02:16:18,790 --> 02:16:17,199

that was amazing

3468

02:16:20,709 --> 02:16:18,800

i was going star trek i was going

3469

02:16:25,430 --> 02:16:20,719

teleporter because

3470

02:16:27,990 --> 02:16:25,440

if anything like that is successful

3471

02:16:29,669 --> 02:16:28,000

artificial intelligence and that kind of

3472

02:16:32,230 --> 02:16:29,679

computing power

3473

02:16:33,509 --> 02:16:32,240

has to be in play for those kinds of

3474

02:16:35,509 --> 02:16:33,519

calculations

3475

02:16:37,830 --> 02:16:35,519

it can't be anything simple the

3476

02:16:40,870 --> 02:16:37,840

teleporter isn't actually like

3477

02:16:44,230 --> 02:16:40,880

sending a human it's it's

3478

02:16:47,429 --> 02:16:44,240

destroying a human while while reading

3479

02:16:49,910 --> 02:16:47,439

that human and then rebuilding

3480

02:16:51,429 --> 02:16:49,920

that human on the other end out of you

3481

02:16:54,230 --> 02:16:51,439

know brand new molecules

3482

02:16:54,709 --> 02:16:54,240

that did not make up that human before

3483

02:16:59,270 --> 02:16:54,719

uh

3484

02:17:02,230 --> 02:16:59,280

works is interesting there's a few

3485

02:17:03,669 --> 02:17:02,240

really fun uh ethical studies on how

3486

02:17:04,549 --> 02:17:03,679

technically the person hitting the

3487

02:17:07,030 --> 02:17:04,559

button

3488

02:17:08,309 --> 02:17:07,040

is murdering one human to make a clone

3489

02:17:10,870 --> 02:17:08,319

of that human

3490

02:17:11,910 --> 02:17:10,880

um so i've always found that type of

3491

02:17:15,110 --> 02:17:11,920

stuff fun to read

3492

02:17:18,389 --> 02:17:15,120

do you have uh

3493

02:17:20,070 --> 02:17:18,399

oh let me ask you this teleportation is

3494

02:17:22,790 --> 02:17:20,080

real

3495

02:17:24,150 --> 02:17:22,800

do you use it i mean do you teleport

3496

02:17:27,429 --> 02:17:24,160

yourself

3497

02:17:29,830 --> 02:17:27,439

do you take that chance okay

3498

02:17:30,709 --> 02:17:29,840

so so teleportation exists am i the

3499

02:17:32,870 --> 02:17:30,719

first one through

3500

02:17:33,990 --> 02:17:32,880

no but you know i won't mind being the

3501

02:17:37,190 --> 02:17:34,000

hundredth one through

3502

02:17:39,429 --> 02:17:37,200

you you would do it yeah ah man i

3503

02:17:41,349 --> 02:17:39,439

i just don't know if i would again like

3504

02:17:43,110 --> 02:17:41,359

i said i'm not i'm not an early adopter

3505

02:17:45,349 --> 02:17:43,120

on that one

3506

02:17:47,509 --> 02:17:45,359

with your new new computer game in beta

3507

02:17:51,030 --> 02:17:47,519

yeah but i'm not teleporting in beta

3508

02:17:51,910 --> 02:17:51,040

i've i've seen galaxy quest and i i

3509

02:17:55,270 --> 02:17:51,920

believe it

3510

02:17:57,509 --> 02:17:55,280

here's the other thing

3511

02:17:59,190 --> 02:17:57,519

do you and you're right because you are

3512

02:18:00,870 --> 02:17:59,200

technically murdering

3513

02:18:04,150 --> 02:18:00,880

one to create another you're

3514

02:18:07,830 --> 02:18:04,160

deconstructing and reconstructing

3515

02:18:10,870 --> 02:18:07,840

atom by atom right particle by particle

3516

02:18:13,429 --> 02:18:10,880

without a mistake that that's

3517

02:18:13,990 --> 02:18:13,439

that's a heavy amount of computing power

3518

02:18:18,870 --> 02:18:14,000

do you

3519

02:18:19,349 --> 02:18:18,880

just in case something goes wrong

3520

02:18:21,669 --> 02:18:19,359

because

3521

02:18:22,790 --> 02:18:21,679

if something goes wrong you can't bring

3522

02:18:24,629 --> 02:18:22,800

it back

3523

02:18:26,469 --> 02:18:24,639

do you have a backup we have that type

3524

02:18:28,389 --> 02:18:26,479

of hardware uh we'll have

3525

02:18:30,070 --> 02:18:28,399

uh we'll have storage that can handle

3526

02:18:31,750 --> 02:18:30,080

that kind of backup and

3527

02:18:33,349 --> 02:18:31,760

uh i mean one thing you've gotta gotta

3528

02:18:34,950 --> 02:18:33,359

think about if you wanna just stay in

3529

02:18:37,190 --> 02:18:34,960

the star trek universe there are

3530

02:18:40,150 --> 02:18:37,200

multiple episodes

3531

02:18:41,349 --> 02:18:40,160

of uh of it across different shows but

3532

02:18:44,870 --> 02:18:41,359

one of my favorites

3533

02:18:45,349 --> 02:18:44,880

is um is one from the next generation

3534

02:18:48,150 --> 02:18:45,359

where

3535

02:18:49,030 --> 02:18:48,160

scotty makes an appearance uh because

3536

02:18:52,870 --> 02:18:49,040

they find him

3537

02:18:55,030 --> 02:18:52,880

locked uh inside of a teleporter

3538

02:18:56,870 --> 02:18:55,040

um after some kind of an accident where

3539

02:18:57,270 --> 02:18:56,880

he was being teleported and he ended up

3540

02:18:58,790 --> 02:18:57,280

like

3541

02:19:00,870 --> 02:18:58,800

his signature was inside of the

3542

02:19:03,509 --> 02:19:00,880

teleporter and they after

3543

02:19:04,070 --> 02:19:03,519

so many years just made it spit him back

3544

02:19:07,270 --> 02:19:04,080

out

3545

02:19:11,030 --> 02:19:07,280

and there he was the

3546

02:19:13,509 --> 02:19:11,040

the thing is uh when we're talking about

3547

02:19:15,030 --> 02:19:13,519

artificial intelligence uh like we are

3548

02:19:18,389 --> 02:19:15,040

and the singularity

3549

02:19:19,910 --> 02:19:18,399

and things like uh if you go back and

3550

02:19:21,669 --> 02:19:19,920

you look at some of the fantastic

3551

02:19:23,030 --> 02:19:21,679

science fiction of the past and movies

3552

02:19:26,389 --> 02:19:23,040

and of course how

3553

02:19:28,950 --> 02:19:26,399

um and and things like terminator that

3554

02:19:30,629 --> 02:19:28,960

uh and star trek and warp drives and

3555

02:19:33,429 --> 02:19:30,639

teleportation

3556

02:19:35,030 --> 02:19:33,439

all of this stuff is a suggestion from a

3557

02:19:38,790 --> 02:19:35,040

creative writer

3558

02:19:41,270 --> 02:19:38,800

that only causes somebody else in the

3559

02:19:43,110 --> 02:19:41,280

future to go that's a great idea

3560

02:19:44,549 --> 02:19:43,120

right and then it's developed maybe

3561

02:19:46,709 --> 02:19:44,559

right

3562

02:19:48,230 --> 02:19:46,719

i mean i i could definitely see that as

3563

02:19:49,590 --> 02:19:48,240

a great argument and i'd actually love

3564

02:19:50,870 --> 02:19:49,600

to have a longer argument along those

3565

02:19:53,110 --> 02:19:50,880

lines but like

3566

02:19:54,469 --> 02:19:53,120

the and it might even be right uh but

3567

02:19:57,030 --> 02:19:54,479

what i would say is

3568

02:19:58,309 --> 02:19:57,040

um there are certain things that are

3569

02:20:01,510 --> 02:19:58,319

just you know

3570

02:20:03,110 --> 02:20:01,520

obvious to uh the right mind in how

3571

02:20:04,309 --> 02:20:03,120

things are gonna work and what's going

3572

02:20:06,389 --> 02:20:04,319

to appear i mean

3573

02:20:07,590 --> 02:20:06,399

if you read a lot of early jules verne

3574

02:20:10,309 --> 02:20:07,600

stuff uh

3575

02:20:11,429 --> 02:20:10,319

a lot of technology was predicted that

3576

02:20:13,030 --> 02:20:11,439

came out

3577

02:20:14,550 --> 02:20:13,040

that way but when you also look at the

3578

02:20:16,150 --> 02:20:14,560

technology specifically

3579

02:20:17,990 --> 02:20:16,160

there weren't really that many other

3580

02:20:19,030 --> 02:20:18,000

ways to develop that in the first place

3581

02:20:21,030 --> 02:20:19,040

so

3582

02:20:23,110 --> 02:20:21,040

maybe they took a little hint from him

3583

02:20:24,150 --> 02:20:23,120

but in reality if we had invented it at

3584

02:20:25,670 --> 02:20:24,160

all it probably would have come out

3585

02:20:27,750 --> 02:20:25,680

looking that way so

3586

02:20:28,790 --> 02:20:27,760

i like to think of it more uh without

3587

02:20:30,469 --> 02:20:28,800

any real like you know

3588

02:20:32,710 --> 02:20:30,479

supernatural leaning or anything just

3589

02:20:34,070 --> 02:20:32,720

that uh he was born a little before his

3590

02:20:35,349 --> 02:20:34,080

time because his mind was seeing

3591

02:20:38,389 --> 02:20:35,359

patterns that ours weren't

3592

02:20:39,990 --> 02:20:38,399

um and uh once once uh once he saw it

3593

02:20:42,309 --> 02:20:40,000

and wrote it down other people could

3594

02:20:43,830 --> 02:20:42,319

could take from that but the things like

3595

02:20:45,270 --> 02:20:43,840

you know submarines and things like that

3596

02:20:46,550 --> 02:20:45,280

would have been developed the way they

3597

02:20:49,110 --> 02:20:46,560

were developed in that

3598

02:20:51,110 --> 02:20:49,120

it's kind of the only way they work now

3599

02:20:55,510 --> 02:20:51,120

here we have

3600

02:20:58,870 --> 02:20:55,520

uh the advancement of computers today

3601  
02:21:01,110 --> 02:20:58,880  
the internet wall street banking health

3602  
02:21:03,830 --> 02:21:01,120  
uh the internet social media we know

3603  
02:21:07,349 --> 02:21:03,840  
where we are today there's no reason to

3604  
02:21:11,349 --> 02:21:07,359  
explain it all and go down the list but

3605  
02:21:14,950 --> 02:21:11,359  
then we have the basic law

3606  
02:21:18,870 --> 02:21:14,960  
and definition of entropy

3607  
02:21:21,590 --> 02:21:18,880  
is it that and and and the second law

3608  
02:21:22,710 --> 02:21:21,600  
of thermodynamics which comes into play

3609  
02:21:26,870 --> 02:21:22,720  
here

3610  
02:21:30,389 --> 02:21:26,880  
is is a.i an artificial intelligence

3611  
02:21:32,630 --> 02:21:30,399  
just uh entropy playing itself

3612  
02:21:35,030 --> 02:21:32,640  
out where we're going to get too

3613  
02:21:38,710 --> 02:21:35,040

complicated too complex

3614

02:21:42,469 --> 02:21:38,720

uh too intense and and complicated

3615

02:21:44,950 --> 02:21:42,479

and it's just going to come unraveled

3616

02:21:45,670 --> 02:21:44,960

and we're going to have a total collapse

3617

02:21:48,550 --> 02:21:45,680

is is

3618

02:21:49,590 --> 02:21:48,560

artificial intelligence an example of

3619

02:21:53,510 --> 02:21:49,600

entropy that we

3620

02:21:57,270 --> 02:21:55,590

i mean uh in all honesty i i think it's

3621

02:21:59,030 --> 02:21:57,280

going to happen whether people want it

3622

02:22:00,389 --> 02:21:59,040

to or not at some point it's going to

3623

02:22:02,790 --> 02:22:00,399

get far enough along that

3624

02:22:04,550 --> 02:22:02,800

the decisions really do have to be made

3625

02:22:05,590 --> 02:22:04,560

if we're you know flipping this thing on

3626

02:22:07,270 --> 02:22:05,600

or not

3627

02:22:09,190 --> 02:22:07,280

and if the decision is ever made that

3628

02:22:11,030 --> 02:22:09,200

we're not then

3629

02:22:12,790 --> 02:22:11,040

it'll already be far enough along that

3630

02:22:15,750 --> 02:22:12,800

enough of the science will be known that

3631

02:22:17,590 --> 02:22:15,760

that someone in some other location will

3632

02:22:19,110 --> 02:22:17,600

build out a second copy and we'll turn

3633

02:22:20,790 --> 02:22:19,120

it on anyways so

3634

02:22:22,870 --> 02:22:20,800

i think it's one of those cats out of

3635

02:22:25,750 --> 02:22:22,880

the bag already kind of a problems

3636

02:22:27,190 --> 02:22:25,760

more than say entropy but at the same

3637

02:22:28,630 --> 02:22:27,200

time i mean when we're talking about

3638

02:22:30,550 --> 02:22:28,640

things like entropy and we're talking

3639

02:22:32,150 --> 02:22:30,560

about where this is heading and

3640

02:22:33,750 --> 02:22:32,160

how fast it's getting there and whether

3641

02:22:34,870 --> 02:22:33,760

it's inevitable then we have to start

3642

02:22:37,349 --> 02:22:34,880

talking about

3643

02:22:39,190 --> 02:22:37,359

quantum and the quantum effects and

3644

02:22:40,950 --> 02:22:39,200

quantum teleportation and quantum

3645

02:22:43,030 --> 02:22:40,960

entanglement and

3646

02:22:44,710 --> 02:22:43,040

where the quantum computers are heading

3647

02:22:46,630 --> 02:22:44,720

and how many qubits will we have and how

3648

02:22:50,150 --> 02:22:46,640

many years and all that fun stuff

3649

02:22:53,670 --> 02:22:50,160

well okay and in closing tonight uh

3650

02:22:57,670 --> 02:22:53,680

i don't think anybody out there uh

3651  
02:22:59,990 --> 02:22:57,680  
knows more about well they may exist

3652  
02:23:01,030 --> 02:23:00,000  
but you are on a level of the

3653  
02:23:04,150 --> 02:23:01,040  
understanding of

3654  
02:23:05,270 --> 02:23:04,160  
networking and computers and and where

3655  
02:23:08,309 --> 02:23:05,280  
we are today

3656  
02:23:09,349 --> 02:23:08,319  
uh with a networked world you understand

3657  
02:23:12,469 --> 02:23:09,359  
this

3658  
02:23:15,750 --> 02:23:12,479  
with the way that machine learning

3659  
02:23:18,150 --> 02:23:15,760  
and artificial intelligence right now

3660  
02:23:19,270 --> 02:23:18,160  
in its infinite stage is running wall

3661  
02:23:22,790 --> 02:23:19,280  
street

3662  
02:23:26,870 --> 02:23:22,800  
is running social media

3663  
02:23:29,429 --> 02:23:26,880

is now creating worlds around all of us

3664

02:23:29,990 --> 02:23:29,439

if it starts to come apart are there

3665

02:23:32,790 --> 02:23:30,000

enough

3666

02:23:33,990 --> 02:23:32,800

people out there that can stop uh

3667

02:23:35,830 --> 02:23:34,000

something crazy

3668

02:23:37,190 --> 02:23:35,840

in the world banking system in wall

3669

02:23:39,190 --> 02:23:37,200

street or some

3670

02:23:40,710 --> 02:23:39,200

stopping something crazy that could go

3671

02:23:42,630 --> 02:23:40,720

down on social media

3672

02:23:44,070 --> 02:23:42,640

where you have two and a half billion

3673

02:23:44,870 --> 02:23:44,080

people on the planet right half of the

3674

02:23:48,070 --> 02:23:44,880

planet

3675

02:23:50,469 --> 02:23:48,080

is on friggin facebook right and

3676  
02:23:51,429 --> 02:23:50,479  
and and half of the planet has a banking

3677  
02:23:54,630 --> 02:23:51,439  
system

3678  
02:23:58,830 --> 02:23:54,640  
and if something goes awry can we

3679  
02:24:04,790 --> 02:24:02,070  
uh no it's after the fact

3680  
02:24:05,349 --> 02:24:04,800  
um i mean at this point we still have

3681  
02:24:08,469 --> 02:24:05,359  
things

3682  
02:24:11,190 --> 02:24:08,479  
like uh the flash crash right uh

3683  
02:24:12,469 --> 02:24:11,200  
when it happened uh and markets came

3684  
02:24:15,590 --> 02:24:12,479  
crashing down

3685  
02:24:16,710 --> 02:24:15,600  
at at speed that was mind-blowing it

3686  
02:24:20,309 --> 02:24:16,720  
turned out to be

3687  
02:24:23,670 --> 02:24:20,319  
a a kid um and it was a teenager

3688  
02:24:26,150 --> 02:24:23,680

at home alone one person who was

3689

02:24:27,670 --> 02:24:26,160

slightly autistic and was on the

3690

02:24:28,710 --> 02:24:27,680

spectrum on medication all that fun

3691

02:24:31,190 --> 02:24:28,720

stuff

3692

02:24:33,190 --> 02:24:31,200

and when they finally tracked down who

3693

02:24:35,830 --> 02:24:33,200

had done it and how

3694

02:24:37,590 --> 02:24:35,840

uh they they realized what they were

3695

02:24:39,670 --> 02:24:37,600

dealing with and didn't want to just

3696

02:24:40,710 --> 02:24:39,680

uh you know run this kid through the

3697

02:24:42,790 --> 02:24:40,720

justice system and

3698

02:24:44,870 --> 02:24:42,800

throw a kid with autism who obviously

3699

02:24:46,710 --> 02:24:44,880

had some issues that had led to this

3700

02:24:48,389 --> 02:24:46,720

into the into the prison system which

3701

02:24:51,190 --> 02:24:48,399

for one blows my mind that any

3702

02:24:52,790 --> 02:24:51,200

any judge in in courts and cops actually

3703

02:24:53,670 --> 02:24:52,800

thought that way but they did on this

3704

02:24:55,830 --> 02:24:53,680

one

3705

02:24:57,110 --> 02:24:55,840

and uh they literally called this house

3706

02:24:58,550 --> 02:24:57,120

because they wanted to talk to him and

3707

02:25:00,469 --> 02:24:58,560

his parents and set up a time to come

3708

02:25:03,670 --> 02:25:00,479

visit and not spook them

3709

02:25:05,349 --> 02:25:03,680

and uh he uh swore at them

3710

02:25:06,870 --> 02:25:05,359

and told them where they could stick it

3711

02:25:08,630 --> 02:25:06,880

and hung up on him

3712

02:25:10,950 --> 02:25:08,640

so of course they then came and arrested

3713

02:25:13,429 --> 02:25:10,960

him um but uh

3714

02:25:14,469 --> 02:25:13,439

you know i do think this type of a work

3715

02:25:16,550 --> 02:25:14,479

still at this point

3716

02:25:18,230 --> 02:25:16,560

is aftermath you know the systems are

3717

02:25:20,150 --> 02:25:18,240

getting fast i mean the high frequency

3718

02:25:22,309 --> 02:25:20,160

traders and all that type stuff are

3719

02:25:23,990 --> 02:25:22,319

mind-boggling at the speeds that they do

3720

02:25:26,309 --> 02:25:24,000

things but uh

3721

02:25:27,349 --> 02:25:26,319

the the controls to fix things aren't

3722

02:25:29,270 --> 02:25:27,359

really there and

3723

02:25:30,790 --> 02:25:29,280

i'm gonna throw this out there that i

3724

02:25:31,590 --> 02:25:30,800

don't think a lot of the controls to

3725

02:25:34,070 --> 02:25:31,600

slow down

3726

02:25:34,630 --> 02:25:34,080

that type of stuff are in place because

3727

02:25:37,190 --> 02:25:34,640

uh

3728

02:25:38,550 --> 02:25:37,200

a lot of rich people profit off of the

3729

02:25:41,670 --> 02:25:38,560

current state of affairs

3730

02:25:44,630 --> 02:25:41,680

and don't want them now

3731

02:25:45,670 --> 02:25:44,640

one last thing uh that is uh out there

3732

02:25:48,950 --> 02:25:45,680

in the media right now

3733

02:25:49,590 --> 02:25:48,960

is tick tock and you are a security

3734

02:25:53,110 --> 02:25:49,600

expert

3735

02:25:55,830 --> 02:25:53,120

this is this is right in your wheelhouse

3736

02:25:56,790 --> 02:25:55,840

um when you see the comments about tick

3737

02:25:58,630 --> 02:25:56,800

tock of course

3738

02:26:00,469 --> 02:25:58,640

you know we have the chinese connection

3739

02:26:03,830 --> 02:26:00,479

uh which is there

3740

02:26:08,150 --> 02:26:03,840

but uh are the

3741

02:26:10,230 --> 02:26:08,160

are the claims out there worrisome

3742

02:26:13,910 --> 02:26:10,240

is this something that we need to uh

3743

02:26:15,030 --> 02:26:13,920

consider when it comes to tick tock

3744

02:26:19,030 --> 02:26:15,040

i mean depends on what claims you're

3745

02:26:20,710 --> 02:26:19,040

talking about let's put politics aside

3746

02:26:22,389 --> 02:26:20,720

well no i'm not talking about like trump

3747

02:26:24,309 --> 02:26:22,399

or right he's going to profit off of

3748

02:26:25,830 --> 02:26:24,319

oracle's thing because larry ellison and

3749

02:26:27,590 --> 02:26:25,840

oracle is a piece

3750

02:26:28,790 --> 02:26:27,600

and uh i don't want to go there i don't

3751  
02:26:29,750 --> 02:26:28,800  
want to we're not going to go down that

3752  
02:26:31,990 --> 02:26:29,760  
path

3753  
02:26:33,429 --> 02:26:32,000  
that's going to happen and walmart

3754  
02:26:34,309 --> 02:26:33,439  
businessmen they're going to do that

3755  
02:26:36,389 --> 02:26:34,319  
right but that's just

3756  
02:26:37,910 --> 02:26:36,399  
that's off to the side the the the

3757  
02:26:39,670 --> 02:26:37,920  
forefront issue you want to talk about

3758  
02:26:41,110 --> 02:26:39,680  
is the security issue and and this is a

3759  
02:26:44,230 --> 02:26:41,120  
pretty simple one because

3760  
02:26:46,309 --> 02:26:44,240  
it is actual chinese law that if you run

3761  
02:26:48,550 --> 02:26:46,319  
uh organizations like this you have to

3762  
02:26:49,349 --> 02:26:48,560  
then also hand over any and all user

3763  
02:26:52,070 --> 02:26:49,359

information

3764

02:26:53,190 --> 02:26:52,080

to the chinese government um not only

3765

02:26:55,190 --> 02:26:53,200

that but i mean the law

3766

02:26:57,590 --> 02:26:55,200

is down to the point where if you are a

3767

02:27:00,710 --> 02:26:57,600

chinese citizen who has been allowed

3768

02:27:02,790 --> 02:27:00,720

to live overseas and still maintain your

3769

02:27:03,830 --> 02:27:02,800

chinese citizenship where you can freely

3770

02:27:07,990 --> 02:27:03,840

travel

3771

02:27:09,830 --> 02:27:08,000

um then you have to at all times respond

3772

02:27:11,110 --> 02:27:09,840

to government requests for any and all

3773

02:27:12,870 --> 02:27:11,120

information so

3774

02:27:14,309 --> 02:27:12,880

if you're some you know startup in san

3775

02:27:16,389 --> 02:27:14,319

francisco and you have a chinese

3776

02:27:17,910 --> 02:27:16,399

national working for you

3777

02:27:19,429 --> 02:27:17,920

and the chinese government comes to them

3778

02:27:21,750 --> 02:27:19,439

and says we need you to give us these

3779

02:27:24,070 --> 02:27:21,760

files off of their systems

3780

02:27:25,990 --> 02:27:24,080

they are legally required to or if they

3781

02:27:26,710 --> 02:27:26,000

go back to china they can be arrested

3782

02:27:29,030 --> 02:27:26,720

for

3783

02:27:31,110 --> 02:27:29,040

denying the state um their family can be

3784

02:27:33,349 --> 02:27:31,120

arrested too for it as well so

3785

02:27:34,469 --> 02:27:33,359

like this isn't any kind of alternative

3786

02:27:36,630 --> 02:27:34,479

speaking here that's

3787

02:27:37,750 --> 02:27:36,640

actually the law and they've done it

3788

02:27:39,429 --> 02:27:37,760

multiple times

3789

02:27:41,510 --> 02:27:39,439

like there's people in jail in china

3790

02:27:42,150 --> 02:27:41,520

right now for having disobeyed that law

3791

02:27:44,230 --> 02:27:42,160

so

3792

02:27:46,150 --> 02:27:44,240

that's not an unfounded fear but at the

3793

02:27:47,030 --> 02:27:46,160

same time i mean the amount of data

3794

02:27:49,110 --> 02:27:47,040

they're collecting

3795

02:27:50,950 --> 02:27:49,120

on people out of tick tock and tools

3796

02:27:52,469 --> 02:27:50,960

like that are

3797

02:27:54,469 --> 02:27:52,479

similar to the amount of data that

3798

02:27:55,190 --> 02:27:54,479

people like you know zuckerberg at

3799

02:27:56,870 --> 02:27:55,200

facebook are

3800

02:27:58,630 --> 02:27:56,880

are gathering out of people all over the

3801  
02:28:00,230 --> 02:27:58,640  
world right and uh

3802  
02:28:02,790 --> 02:28:00,240  
they respond to all of our government's

3803  
02:28:04,389 --> 02:28:02,800  
requests uh that are properly formatted

3804  
02:28:06,630 --> 02:28:04,399  
asking for data so

3805  
02:28:09,030 --> 02:28:06,640  
it's not like we're saying they're doing

3806  
02:28:11,270 --> 02:28:09,040  
something that we're not doing

3807  
02:28:13,590 --> 02:28:11,280  
what what our government is saying is

3808  
02:28:15,270 --> 02:28:13,600  
they're doing it to our citizens and

3809  
02:28:16,630 --> 02:28:15,280  
we don't want them to be doing it we

3810  
02:28:20,710 --> 02:28:16,640  
want to be the ones doing it

3811  
02:28:22,630 --> 02:28:20,720  
now what about wechat it's similar

3812  
02:28:23,750 --> 02:28:22,640  
statement i mean it's it's it's another

3813  
02:28:26,469 --> 02:28:23,760

chinese company that

3814

02:28:27,830 --> 02:28:26,479

uh is is done the exact same way where

3815

02:28:28,950 --> 02:28:27,840

employees of that company that are of

3816

02:28:30,870 --> 02:28:28,960

chinese descent

3817

02:28:33,429 --> 02:28:30,880

and still hold on to their citizenship

3818

02:28:34,550 --> 02:28:33,439

are under legal restraint that they have

3819

02:28:36,469 --> 02:28:34,560

to respond

3820

02:28:38,070 --> 02:28:36,479

with any user data that they are asked

3821

02:28:39,670 --> 02:28:38,080

for under penalty of law

3822

02:28:41,110 --> 02:28:39,680

and that penalty is up to life

3823

02:28:44,710 --> 02:28:41,120

imprisonment now

3824

02:28:47,830 --> 02:28:44,720

uh and with wechat which is uh

3825

02:28:50,950 --> 02:28:47,840

an encrypted uh uh

3826

02:28:54,469 --> 02:28:50,960

communication uh device software

3827

02:28:57,670 --> 02:28:54,479

uh that uh people use thinking that

3828

02:29:01,349 --> 02:28:57,680

their communication is encrypted is it

3829

02:29:05,030 --> 02:29:01,359

possible that the chinese government has

3830

02:29:07,910 --> 02:29:05,040

access to that encrypted communication

3831

02:29:09,349 --> 02:29:07,920

uh as a chinese company founded in china

3832

02:29:10,790 --> 02:29:09,359

they would not be allowed to operate at

3833

02:29:13,190 --> 02:29:10,800

the scale they are operating at

3834

02:29:14,630 --> 02:29:13,200

if they did not uh provide that uh a

3835

02:29:17,349 --> 02:29:14,640

backdoor in the system

3836

02:29:18,150 --> 02:29:17,359

right it is not end-to-end encryption as

3837

02:29:20,469 --> 02:29:18,160

is you know

3838

02:29:21,349 --> 02:29:20,479

wanted um it is not something like

3839

02:29:23,110 --> 02:29:21,359

signal or

3840

02:29:25,110 --> 02:29:23,120

wire where you get you know true

3841

02:29:26,870 --> 02:29:25,120

end-to-end encryption it is

3842

02:29:28,389 --> 02:29:26,880

man in the middle in a way where the

3843

02:29:31,510 --> 02:29:28,399

government can make requests

3844

02:29:34,790 --> 02:29:31,520

do you use wechat no

3845

02:29:37,270 --> 02:29:34,800

exactly what you just you just named

3846

02:29:39,429 --> 02:29:37,280

three or four different companies signal

3847

02:29:42,630 --> 02:29:39,439

or wire they both use the same text

3848

02:29:44,710 --> 02:29:42,640

secure and voice secure protocols

3849

02:29:46,309 --> 02:29:44,720

uh and they're the only two i use i

3850

02:29:47,670 --> 02:29:46,319

won't use telegram either because the

3851  
02:29:48,469 --> 02:29:47,680  
russians have broken its encryption

3852  
02:29:51,030 --> 02:29:48,479  
twice now

3853  
02:29:51,910 --> 02:29:51,040  
and uh so i'm just not going to trust

3854  
02:29:53,910 --> 02:29:51,920  
that uh

3855  
02:29:55,030 --> 02:29:53,920  
i think they need to hire some new

3856  
02:29:57,830 --> 02:29:55,040  
photographer

3857  
02:29:58,790 --> 02:29:57,840  
cryptographers to their team um i

3858  
02:30:03,429 --> 02:29:58,800  
remember

3859  
02:30:05,990 --> 02:30:03,439  
and i was texting you

3860  
02:30:06,550 --> 02:30:06,000  
and we finally get hooked up we i think

3861  
02:30:10,070 --> 02:30:06,560  
we were

3862  
02:30:13,190 --> 02:30:10,080  
at uh the hotel anyway you go dude

3863  
02:30:16,790 --> 02:30:13,200

you're not encrypted right

3864

02:30:19,429 --> 02:30:16,800

do you remember that i said yeah and

3865

02:30:20,070 --> 02:30:19,439

it was funny you would not you would not

3866

02:30:23,190 --> 02:30:20,080

that was

3867

02:30:25,510 --> 02:30:23,200

you you had the wall up and it uh it

3868

02:30:28,790 --> 02:30:25,520

really freaked me out but you forced me

3869

02:30:30,710 --> 02:30:28,800

uh to uh reconsider my communication

3870

02:30:32,389 --> 02:30:30,720

methods and that's why we thank you

3871

02:30:33,830 --> 02:30:32,399

greg what a great conversation tonight

3872

02:30:35,990 --> 02:30:33,840

my friend uh

3873

02:30:37,670 --> 02:30:36,000

really quick uh you have an announcement

3874

02:30:39,030 --> 02:30:37,680

to make and i wanted to do this earlier

3875

02:30:40,710 --> 02:30:39,040

what's going on

3876

02:30:42,309 --> 02:30:40,720

uh yeah you know this is i guess the

3877

02:30:44,630 --> 02:30:42,319

first time i'm i'm gonna be saying this

3878

02:30:45,110 --> 02:30:44,640

publicly but uh for a while there i was

3879

02:30:47,830 --> 02:30:45,120

running

3880

02:30:49,110 --> 02:30:47,840

a uh podcast and we were doing a weekly

3881

02:30:51,830 --> 02:30:49,120

show

3882

02:30:53,750 --> 02:30:51,840

and um it was a lot of fun it was in a

3883

02:30:55,030 --> 02:30:53,760

studio all that fun stuff but it had no

3884

02:30:57,750 --> 02:30:55,040

video it had

3885

02:30:59,830 --> 02:30:57,760

nothing else and i also wasn't really

3886

02:31:01,270 --> 02:30:59,840

working on sponsorship or how i could

3887

02:31:03,030 --> 02:31:01,280

possibly actually

3888

02:31:04,389 --> 02:31:03,040

make uh make it in a way where i could

3889

02:31:05,990 --> 02:31:04,399

afford to keep making it because the

3890

02:31:07,590 --> 02:31:06,000

amount of time that went into it so

3891

02:31:09,750 --> 02:31:07,600

right i've been spending the last year

3892

02:31:12,790 --> 02:31:09,760

really rethinking what i want that to be

3893

02:31:14,150 --> 02:31:12,800

and i am relaunching uh instead of just

3894

02:31:17,670 --> 02:31:14,160

a podcast as

3895

02:31:20,950 --> 02:31:17,680

a stream uh that will run nightly

3896

02:31:21,750 --> 02:31:20,960

uh weeknights uh for a couple hours each

3897

02:31:24,870 --> 02:31:21,760

night uh

3898

02:31:27,349 --> 02:31:24,880

live on twitch uh and then uh clips and

3899

02:31:30,710 --> 02:31:27,359

all kinds of special stuff going up on

3900

02:31:31,910 --> 02:31:30,720

uh youtube and uh twitter and facebook

3901

02:31:34,230 --> 02:31:31,920

and all the other stuff the next day

3902

02:31:35,830 --> 02:31:34,240

because twitch is very clear about 24

3903

02:31:37,110 --> 02:31:35,840

hours from live to

3904

02:31:39,349 --> 02:31:37,120

other places or you lose your

3905

02:31:40,790 --> 02:31:39,359

partnership but

3906

02:31:42,710 --> 02:31:40,800

i'm going to be doing that and the show

3907

02:31:44,550 --> 02:31:42,720

is going to probably start back up in

3908

02:31:45,190 --> 02:31:44,560

about a month i don't have a hard date

3909

02:31:48,150 --> 02:31:45,200

yet but

3910

02:31:49,910 --> 02:31:48,160

uh the social medias are all you know

3911

02:31:51,750 --> 02:31:49,920

the greg house show so if you

3912

02:31:53,270 --> 02:31:51,760

look for those on anything you'll find

3913

02:31:54,389 --> 02:31:53,280

my stuff and you'll find the new trailer

3914

02:31:57,349 --> 02:31:54,399

i've put up a

3915

02:31:59,110 --> 02:31:57,359

little video i heard your first guest is

3916

02:32:03,030 --> 02:31:59,120

chainsaw church

3917

02:32:05,750 --> 02:32:03,040

is that true no hey greg

3918

02:32:06,070 --> 02:32:05,760

have a great night man be safe out there

3919

02:32:09,510 --> 02:32:06,080

and

3920

02:32:11,590 --> 02:32:09,520

humanity

3921

02:32:13,429 --> 02:32:11,600

that you are thank you so much thanks

3922

02:32:15,670 --> 02:32:13,439

man you're the best

3923

02:32:17,190 --> 02:32:15,680

greg house now you do want to follow

3924

02:32:20,389 --> 02:32:17,200

greg on twitter just go

3925

02:32:24,710 --> 02:32:20,399

right now at greg house greg with

3926

02:32:27,030 --> 02:32:24,720

two g's all right everything is there

3927

02:32:28,630 --> 02:32:27,040

greg howe she is the best i'm heroes

3928

02:32:30,870 --> 02:32:28,640

jimmy church this is fade to black and

3929

02:32:31,750 --> 02:32:30,880

the game changer network and kgra the

3930

02:32:33,510 --> 02:32:31,760

planet

3931

02:32:35,750 --> 02:32:33,520

i'll be right back with your phone calls

3932

02:32:56,790 --> 02:32:35,760

that greg doesn't want to take

3933

02:33:01,030 --> 02:32:59,110

hey what up y'all biblical fox here and

3934

02:33:06,309 --> 02:33:01,040

you are listening to my boy

3935

02:33:09,590 --> 02:33:06,319

jimmy church on jimmychurchradio.com

3936

02:33:16,870 --> 02:33:09,600

despite popular opinion reading a book

3937

02:33:20,630 --> 02:33:18,550

this is jimmy church of fade to black

3938

02:33:23,830 --> 02:33:20,640

and i take life change tea

3939

02:33:24,550 --> 02:33:23,840

supplements every single day it's what i

3940

02:33:27,070 --> 02:33:24,560

do

3941

02:33:30,710 --> 02:33:27,080

click on their banner at

3942

02:33:35,510 --> 02:33:32,870

when you take the beans from central

3943

02:33:36,710 --> 02:33:35,520

america with dashes of indonesian and

3944

02:33:39,030 --> 02:33:36,720

african mixed in

3945

02:33:40,389 --> 02:33:39,040

and then roasted to the dark side of

3946

02:33:43,590 --> 02:33:40,399

fade to black

3947

02:33:46,550 --> 02:33:43,600

you create the ultimate brew of fringe

3948

02:33:48,230 --> 02:33:46,560

introducing the fade to black blend from

3949

02:33:51,190 --> 02:33:48,240

river moon coffee

3950

02:33:53,270 --> 02:33:51,200

yes river moon's darkest customized

3951

02:33:56,469 --> 02:33:53,280

roast was created for the love

3952

02:33:59,349 --> 02:33:56,479

of fade to black the alchemy of

3953

02:34:02,630 --> 02:33:59,359

masterful roasting and smoking the beans

3954

02:34:06,150 --> 02:34:02,640

is in every sip of this full-bodied dark

3955

02:34:08,150 --> 02:34:06,160

java i need my coffee doc deep

3956

02:34:10,710 --> 02:34:08,160

with distinct bittersweet chocolate

3957

02:34:13,110 --> 02:34:10,720

highlights just like the bunker

3958

02:34:13,990 --> 02:34:13,120

leaning further into the darkness of the

3959

02:34:16,389 --> 02:34:14,000

roast is

3960

02:34:17,270 --> 02:34:16,399

fade to black blend from river moon

3961

02:34:18,990 --> 02:34:17,280

coffee

3962

02:34:20,950 --> 02:34:19,000

just click on the banner at

3963

02:34:22,150 --> 02:34:20,960

jimmychurchradio.com and use the promo

3964

02:34:25,830 --> 02:34:22,160

code f2b

3965

02:34:29,349 --> 02:34:25,840

blend for 15 off of your order today

3966

02:34:33,030 --> 02:34:31,429

hello my name is billy carson and i'm a

3967

02:34:35,270 --> 02:34:33,040

best-selling author and the founder of

3968

02:34:37,190 --> 02:34:35,280

forbidden knowledge dot tv together with

3969

02:34:38,630 --> 02:34:37,200

my team we have built a all new content

3970

02:34:40,230 --> 02:34:38,640

streaming tv platform

3971

02:34:42,150 --> 02:34:40,240

designed with every family member in

3972

02:34:43,429 --> 02:34:42,160

mind if you have ever wanted to travel

3973

02:34:43,990 --> 02:34:43,439

the world and attend lectures and

3974

02:34:45,429 --> 02:34:44,000

workshops

3975

02:34:47,270 --> 02:34:45,439

from your favorite speakers but weren't

3976

02:34:49,830 --> 02:34:47,280

able to look no further

3977

02:34:51,590 --> 02:34:49,840

forbidden knowledge dot tv there are

3978

02:34:52,950 --> 02:34:51,600

dozens of workshops and lectures from

3979

02:34:55,030 --> 02:34:52,960

speakers you know and love

3980

02:34:56,950 --> 02:34:55,040

we have also included amazing categories

3981

02:34:58,790 --> 02:34:56,960

to assure that your consciousness is

3982

02:34:59,429 --> 02:34:58,800

entertained and elevating on a daily

3983

02:35:01,510 --> 02:34:59,439

basis

3984

02:35:02,710 --> 02:35:01,520

amazing interviews ancient history

3985

02:35:04,710 --> 02:35:02,720

ascension knowledge

3986

02:35:05,830 --> 02:35:04,720

wisdom teachings documentaries

3987

02:35:08,070 --> 02:35:05,840

conspiracies

3988

02:35:10,790 --> 02:35:08,080

mysteries health and fitness conscious

3989

02:35:12,630 --> 02:35:10,800

cooking meditations finance yoga and so

3990

02:35:15,030 --> 02:35:12,640

much more to start your free trial

3991

02:35:17,190 --> 02:35:15,040

on any mobile device or computer surf to

3992

02:35:18,950 --> 02:35:17,200

forbidden knowledge dot tv

3993

02:35:22,070 --> 02:35:18,960

that's forbidden knowledge with the

3994

02:35:24,830 --> 02:35:22,080

number four forbidden knowledge dot tv

3995

02:35:26,550 --> 02:35:24,840

again visit forbidden knowledge dot tv

3996

02:35:28,710 --> 02:35:26,560

today

3997

02:35:31,510 --> 02:35:28,720

are you intrigued by paranormal talk

3998

02:35:31,910 --> 02:35:31,520

radio you love the new paranormal radio

3999

02:35:34,870 --> 02:35:31,920

app

4000

02:35:36,710 --> 02:35:34,880

from talk stream live you'll find a

4001

02:35:37,750 --> 02:35:36,720

great selection of talk shows covering

4002

02:35:40,870 --> 02:35:37,760

ufos

4003

02:35:43,270 --> 02:35:40,880

ghosts strange phenomena and much more

4004

02:35:45,030 --> 02:35:43,280

download the paranormal radio app now

4005

02:35:46,950 --> 02:35:45,040

and start listening to the very best in

4006

02:35:48,469 --> 02:35:46,960

paranormal talk entertainment

4007

02:35:51,349 --> 02:35:48,479

including the network you're listening

4008

02:35:54,150 --> 02:35:51,359

to right now the paranormal radio app

4009

02:36:03,670 --> 02:35:54,160

free in google play and the ios app

4010

02:36:09,230 --> 02:36:06,710

it's not a lifestyle we chose we were

4011

02:36:15,990 --> 02:36:09,240

born this way

4012

02:36:16,000 --> 02:36:34,550

this is kjcr jimmychurchradio.com

4013

02:36:41,030 --> 02:36:35,990

welcome back fade to black i'm real

4014

02:36:48,790 --> 02:36:45,429

that is what i'm talking about

4015

02:36:51,910 --> 02:36:48,800

holy crap greg house the absolute best

4016

02:37:03,030 --> 02:36:51,920

the absolute best and uh the phone lines

4017

02:37:07,510 --> 02:37:04,150

cannot 747-228-2051-747-228-2051 away

4018

02:37:11,990 --> 02:37:07,520

from a chat room greg is the very best

4019

02:37:14,150 --> 02:37:12,000

and i learned uh so much from greg

4020

02:37:16,469 --> 02:37:14,160

in uh the week that i spent with him in

4021

02:37:19,670 --> 02:37:16,479

new york it was absolutely incredible

4022

02:37:23,270 --> 02:37:19,680

and we stayed at the same hotel and

4023

02:37:24,950 --> 02:37:23,280

uh and we were at the

4024

02:37:26,389 --> 02:37:24,960

um i want to talk about a couple of

4025

02:37:28,590 --> 02:37:26,399

other things and of course

4026

02:37:30,150 --> 02:37:28,600

your phone calls too as well

4027

02:37:33,190 --> 02:37:30,160

747-228-2051

4028

02:37:35,510 --> 02:37:33,200

um we were at the hackers

4029

02:37:36,469 --> 02:37:35,520

on planet earth uh conference it's

4030

02:37:38,950 --> 02:37:36,479

called the

4031

02:37:41,270 --> 02:37:38,960

hope conference uh and if you've never

4032

02:37:44,389 --> 02:37:41,280

heard of it you can look it up and

4033

02:37:45,750 --> 02:37:44,399

there's two main hacker conferences

4034

02:37:48,309 --> 02:37:45,760

in the world one that goes down in las

4035

02:37:49,990 --> 02:37:48,319

vegas and of course this one in new york

4036

02:37:51,670 --> 02:37:50,000

and and so we're there for this

4037

02:37:55,630 --> 02:37:51,680

conference

4038

02:37:58,950 --> 02:37:55,640

it was one of the most bizarre

4039

02:38:04,230 --> 02:37:58,960

experiences for me to go through

4040

02:38:07,510 --> 02:38:04,240

because everybody

4041

02:38:10,870 --> 02:38:07,520

when i say everybody everybody

4042

02:38:15,910 --> 02:38:10,880

around me and rita

4043

02:38:23,030 --> 02:38:19,590

and now what kind of hacker uh

4044

02:38:27,510 --> 02:38:23,040

uh a hobbyist

4045

02:38:30,630 --> 02:38:27,520

a professional somebody known

4046

02:38:31,750 --> 02:38:30,640

yeah all of this stuff comes into play

4047

02:38:35,590 --> 02:38:31,760

here

4048

02:38:38,150 --> 02:38:35,600

and and we were seeing all of this go on

4049

02:38:39,429 --> 02:38:38,160

right okay so we're experiencing this

4050

02:38:42,710 --> 02:38:39,439

part of it

4051  
02:38:45,110 --> 02:38:42,720  
and this is uh for me what was

4052  
02:38:46,710 --> 02:38:45,120  
what was so interesting is that

4053  
02:38:50,469 --> 02:38:46,720  
everybody was aware

4054  
02:38:54,469 --> 02:38:50,479  
of their environment constantly

4055  
02:38:58,950 --> 02:38:54,479  
it was like no it wasn't like

4056  
02:39:01,429 --> 02:38:58,960  
it was a movie it was a movie

4057  
02:39:01,990 --> 02:39:01,439  
where you know everybody and it was it

4058  
02:39:03,750 --> 02:39:02,000  
was just

4059  
02:39:05,030 --> 02:39:03,760  
it was strange because you could see it

4060  
02:39:07,190 --> 02:39:05,040  
you could feel it

4061  
02:39:09,030 --> 02:39:07,200  
lots of hoodies lots of hoodies up lots

4062  
02:39:12,150 --> 02:39:09,040  
of hoodie people hiding their face

4063  
02:39:13,830 --> 02:39:12,160

things going on um uh

4064

02:39:16,070 --> 02:39:13,840

strange things going on with the

4065

02:39:17,349 --> 02:39:16,080

internet uh things going on with video

4066

02:39:19,830 --> 02:39:17,359

feeds and

4067

02:39:21,110 --> 02:39:19,840

practical jokes and hacks and things

4068

02:39:22,309 --> 02:39:21,120

that were happening it was it was

4069

02:39:24,710 --> 02:39:22,319

bizarre

4070

02:39:26,469 --> 02:39:24,720

um so as i'm going through this and i'm

4071

02:39:27,349 --> 02:39:26,479

getting introduced to people and i'm

4072

02:39:30,630 --> 02:39:27,359

meeting people

4073

02:39:33,830 --> 02:39:30,640

and and and greg and uh

4074

02:39:35,830 --> 02:39:33,840

introducing me to uh uh i

4075

02:39:36,870 --> 02:39:35,840

i can't i can't get into the details i

4076

02:39:40,070 --> 02:39:36,880

would like to but

4077

02:39:43,349 --> 02:39:40,080

but anyway it was bizarre

4078

02:39:45,110 --> 02:39:43,359

and uh it was like this i'm going to

4079

02:39:46,550 --> 02:39:45,120

share a couple of experiences

4080

02:39:49,030 --> 02:39:46,560

with you and then i'm going to get to

4081

02:39:51,910 --> 02:39:49,040

the phones um

4082

02:39:52,550 --> 02:39:51,920

we are on an elevator we get on this

4083

02:39:54,790 --> 02:39:52,560

elevator

4084

02:39:56,469 --> 02:39:54,800

it's at the roosevelt hotel where the

4085

02:39:59,030 --> 02:39:56,479

conference is being held

4086

02:40:00,389 --> 02:39:59,040

and there's i don't know man two

4087

02:40:02,230 --> 02:40:00,399

thousand three thousand four thousand

4088

02:40:03,190 --> 02:40:02,240

five thousand hackers running around on

4089

02:40:06,870 --> 02:40:03,200

the loose

4090

02:40:10,469 --> 02:40:06,880

we get on this elevator and

4091

02:40:14,309 --> 02:40:10,479

i step on board i've got

4092

02:40:17,830 --> 02:40:14,319

uh uh everybody knew

4093

02:40:20,309 --> 02:40:17,840

at this point who we were they knew that

4094

02:40:22,950 --> 02:40:20,319

history channel was there

4095

02:40:23,349 --> 02:40:22,960

with a video crew at their conference

4096

02:40:28,309 --> 02:40:23,359

and

4097

02:40:31,269 --> 02:40:28,319

trust me on this right now

4098

02:40:32,630 --> 02:40:31,279

it was uh it was a bad scene and i was

4099

02:40:34,070 --> 02:40:32,640

trying to be nice and

4100

02:40:36,790 --> 02:40:34,080

things anyway so we step on this

4101

02:40:39,429 --> 02:40:36,800

elevator i got i got like two

4102

02:40:41,429 --> 02:40:39,439

two camera guys i got a sound guy with a

4103

02:40:44,630 --> 02:40:41,439

boom i got a producer

4104

02:40:46,870 --> 02:40:44,640

and i got myself maybe another producer

4105

02:40:48,710 --> 02:40:46,880

uh with this and the rest of the crew

4106

02:40:50,950 --> 02:40:48,720

was outside we get on the elevator

4107

02:40:52,710 --> 02:40:50,960

and there's like another five or six

4108

02:40:54,950 --> 02:40:52,720

people on the elevator and we get on and

4109

02:41:00,150 --> 02:40:54,960

it's dead silence

4110

02:41:05,030 --> 02:41:03,110

you guys here for the conference nobody

4111

02:41:07,269 --> 02:41:05,040

talks

4112

02:41:09,510 --> 02:41:07,279

elevator's going up everybody's kind of

4113

02:41:11,349 --> 02:41:09,520

looking away from me

4114

02:41:14,070 --> 02:41:11,359

and i said you know we're here we're

4115

02:41:17,510 --> 02:41:14,080

filming this is great and we're

4116

02:41:20,950 --> 02:41:17,520

supporting and really dig being here man

4117

02:41:21,349 --> 02:41:20,960

and uh so uh if if any of you would you

4118

02:41:23,110 --> 02:41:21,359

know

4119

02:41:25,190 --> 02:41:23,120

like to come and hang out or talk to me

4120

02:41:28,230 --> 02:41:25,200

and and things it'd be great

4121

02:41:30,630 --> 02:41:28,240

and we get to this floor uh it's up

4122

02:41:32,150 --> 02:41:30,640

up at the top it's like 12th or 14th

4123

02:41:34,710 --> 02:41:32,160

floor or something like that

4124

02:41:36,230 --> 02:41:34,720

and the elevator door is open and these

4125

02:41:41,349 --> 02:41:36,240

five walk off and this

4126  
02:41:45,750 --> 02:41:43,910  
and they just keep walking and we walk

4127  
02:41:46,710 --> 02:41:45,760  
up and we're looking at each other like

4128  
02:41:50,630 --> 02:41:46,720  
oh man this

4129  
02:41:54,230 --> 02:41:50,640  
is just rough and uh

4130  
02:41:55,670 --> 02:41:54,240  
i walk in to uh you know what i've got

4131  
02:41:56,950 --> 02:41:55,680  
all these calls on hold should i just

4132  
02:42:00,150 --> 02:41:56,960  
take a call

4133  
02:42:04,150 --> 02:42:00,160  
okay listen i i

4134  
02:42:05,750 --> 02:42:04,160  
walk in to uh a seminar

4135  
02:42:07,429 --> 02:42:05,760  
it's a presentation guy up on the

4136  
02:42:11,269 --> 02:42:07,439  
microphone lights are off

4137  
02:42:11,990 --> 02:42:11,279  
it's dark and uh it's about 500 people

4138  
02:42:14,309 --> 02:42:12,000

in this room it's

4139

02:42:15,349 --> 02:42:14,319

packed and i'm like i wonder what this

4140

02:42:17,429 --> 02:42:15,359

is about right

4141

02:42:18,790 --> 02:42:17,439

okay so i just come in i'm leaning

4142

02:42:21,950 --> 02:42:18,800

against the wall and

4143

02:42:23,670 --> 02:42:21,960

and watch and i look out and without

4144

02:42:25,429 --> 02:42:23,680

exaggerating

4145

02:42:27,349 --> 02:42:25,439

and i talked to people that were there

4146

02:42:30,469 --> 02:42:27,359

about this this room

4147

02:42:34,309 --> 02:42:30,479

is 500 people in the dark

4148

02:42:38,230 --> 02:42:34,319

500 hoodies up

4149

02:42:41,349 --> 02:42:38,240

right people taking notes

4150

02:42:45,429 --> 02:42:41,359

and uh and i'm just looking i'm

4151

02:42:49,429 --> 02:42:45,439

fascinated and this guy

4152

02:42:53,030 --> 02:42:49,439

was up on the mic giving specific

4153

02:42:57,030 --> 02:42:53,040

instructions on how to

4154

02:43:00,469 --> 02:42:57,040

hack an iphone right

4155

02:43:03,750 --> 02:43:00,479

and have the iphone generate

4156

02:43:07,510 --> 02:43:03,760

its own phone number

4157

02:43:10,710 --> 02:43:07,520

and how you can change

4158

02:43:13,750 --> 02:43:10,720

your location to be in another city

4159

02:43:17,030 --> 02:43:13,760

with another phone number uh and nothing

4160

02:43:18,710 --> 02:43:17,040

tied to right anyway anyway it was much

4161

02:43:19,830 --> 02:43:18,720

more complex than even that

4162

02:43:21,269 --> 02:43:19,840

but he's giving the intro and

4163

02:43:22,309 --> 02:43:21,279

everybody's writing it down and i'm like

4164

02:43:24,630 --> 02:43:22,319

oh my god

4165

02:43:26,070 --> 02:43:24,640

this isn't like a ufo conference this

4166

02:43:28,710 --> 02:43:26,080

isn't like something else

4167

02:43:30,150 --> 02:43:28,720

this is like real information and i'm

4168

02:43:30,630 --> 02:43:30,160

looking down and everybody's taking

4169

02:43:32,710 --> 02:43:30,640

notes

4170

02:43:34,309 --> 02:43:32,720

it goes okay so then you go to blah blah

4171

02:43:35,110 --> 02:43:34,319

blah blah blah blah blah and everybody's

4172

02:43:39,590 --> 02:43:35,120

taking a

4173

02:43:43,030 --> 02:43:39,600

like holy crap this world is real

4174

02:43:45,910 --> 02:43:43,040

and it was fascinating it was i i got

4175

02:43:46,550 --> 02:43:45,920

so many stories uh from from that

4176  
02:43:50,309 --> 02:43:46,560  
weekend

4177  
02:43:54,469 --> 02:43:50,319  
and hanging out with that anyway so greg

4178  
02:43:57,670 --> 02:43:54,479  
at this conference he's like the dude

4179  
02:43:59,269 --> 02:43:57,680  
he's the dude he's the big lebowski he's

4180  
02:44:02,950 --> 02:43:59,279  
the guy

4181  
02:44:04,309 --> 02:44:02,960  
it was uh it was fascinating it was

4182  
02:44:05,670 --> 02:44:04,319  
absolutely incredible let's go to the

4183  
02:44:07,990 --> 02:44:05,680  
phones hi you're live on fade to black

4184  
02:44:11,910 --> 02:44:08,000  
who's calling

4185  
02:44:15,269 --> 02:44:11,920  
me who's me

4186  
02:44:16,230 --> 02:44:15,279  
oh hi i wasn't peter legate hi i saw

4187  
02:44:18,070 --> 02:44:16,240  
your tweet on

4188  
02:44:19,910 --> 02:44:18,080

i saw you i was just on the internet you

4189

02:44:22,550 --> 02:44:19,920

know and i saw your tweet

4190

02:44:25,670 --> 02:44:22,560

so uh while i was waiting i noticed you

4191

02:44:27,590 --> 02:44:25,680

said uh the topic is zt's

4192

02:44:29,030 --> 02:44:27,600

so what are you guys talking about about

4193

02:44:30,710 --> 02:44:29,040

et's i mean uh

4194

02:44:33,670 --> 02:44:30,720

everyone believes in them who listens to

4195

02:44:35,429 --> 02:44:33,680

your show right uh

4196

02:44:37,030 --> 02:44:35,439

we were talking about artificial

4197

02:44:40,150 --> 02:44:37,040

intelligence tonight peter

4198

02:44:42,150 --> 02:44:40,160

but uh oh that's good too

4199

02:44:43,590 --> 02:44:42,160

but but hold on let's change let's

4200

02:44:45,590 --> 02:44:43,600

change gears here

4201  
02:44:47,349 --> 02:44:45,600  
so you just you weren't listening to the

4202  
02:44:48,230 --> 02:44:47,359  
show you were just hanging out in

4203  
02:44:49,990 --> 02:44:48,240  
twitter

4204  
02:44:51,830 --> 02:44:50,000  
you saw that yeah and you decided to

4205  
02:44:54,870 --> 02:44:51,840  
call in now my question

4206  
02:44:56,710 --> 02:44:54,880  
is well hold on hold on so my question

4207  
02:44:59,590 --> 02:44:56,720  
is back to you peter

4208  
02:45:01,990 --> 02:44:59,600  
what is your concerns or questions about

4209  
02:45:09,990 --> 02:45:06,230  
well i have very strong beliefs and

4210  
02:45:11,990 --> 02:45:10,000  
some experience with et's i don't know

4211  
02:45:13,910 --> 02:45:12,000  
everything about them is there's so much

4212  
02:45:16,469 --> 02:45:13,920  
snow obviously but

4213  
02:45:17,269 --> 02:45:16,479

the most interesting thing for me is a

4214

02:45:19,510 --> 02:45:17,279

lot of people

4215

02:45:21,510 --> 02:45:19,520

um i don't know that many in the field

4216

02:45:23,269 --> 02:45:21,520

but the main people i respect in the

4217

02:45:24,150 --> 02:45:23,279

field some of them think there's such a

4218

02:45:27,990 --> 02:45:24,160

thing as

4219

02:45:29,830 --> 02:45:28,000

very positive ets and very negative ets

4220

02:45:31,990 --> 02:45:29,840

and some others say there's only

4221

02:45:34,309 --> 02:45:32,000

positive

4222

02:45:35,030 --> 02:45:34,319

and uh that's a very interesting issue

4223

02:45:39,750 --> 02:45:35,040

for me

4224

02:45:42,710 --> 02:45:39,760

why what was your experience like

4225

02:45:43,830 --> 02:45:42,720

well i've had personal contact with et's

4226

02:45:45,269 --> 02:45:43,840

a little bit uh

4227

02:45:47,269 --> 02:45:45,279

actually i saw a whole fleet of them

4228

02:45:50,309 --> 02:45:47,279

about 20 years ago

4229

02:45:52,309 --> 02:45:50,319

and i in it was

4230

02:45:54,710 --> 02:45:52,319

between 12 and 15 i didn't really have

4231

02:45:56,550 --> 02:45:54,720

time to count them

4232

02:45:57,910 --> 02:45:56,560

and i had a pretty intense experience

4233

02:46:00,309 --> 02:45:57,920

with them

4234

02:46:01,510 --> 02:46:00,319

but but i believe myself that they're

4235

02:46:03,510 --> 02:46:01,520

all positive

4236

02:46:05,750 --> 02:46:03,520

but i think they're like a reflection of

4237

02:46:08,950 --> 02:46:05,760

our consciousness personally

4238

02:46:10,550 --> 02:46:08,960

so the the structure of the of uh what's

4239

02:46:12,710 --> 02:46:10,560

out there is going to match what's

4240

02:46:15,670 --> 02:46:12,720

inside ourselves

4241

02:46:16,550 --> 02:46:15,680

and so i think it's kind of like you get

4242

02:46:19,269 --> 02:46:16,560

what you believe

4243

02:46:21,429 --> 02:46:19,279

like it's a great extrapolation of your

4244

02:46:23,910 --> 02:46:21,439

personal belief system

4245

02:46:25,030 --> 02:46:23,920

you see what i mean and uh you can bring

4246

02:46:28,389 --> 02:46:25,040

that back to the

4247

02:46:29,830 --> 02:46:28,399

um artificial intelligence too because

4248

02:46:31,830 --> 02:46:29,840

i think the negative ones are going to

4249

02:46:33,110 --> 02:46:31,840

be interested in making worlds that are

4250

02:46:35,990 --> 02:46:33,120

completely

4251  
02:46:37,910 --> 02:46:36,000  
artificial intelligence and where we're

4252  
02:46:39,030 --> 02:46:37,920  
their slaves etc of course i don't want

4253  
02:46:41,269 --> 02:46:39,040  
to have anything to do with those

4254  
02:46:45,110 --> 02:46:41,279  
universes

4255  
02:46:48,469 --> 02:46:45,120  
well there's always a bad actor right so

4256  
02:46:49,150 --> 02:46:48,479  
yeah there's always a bad actor but your

4257  
02:46:53,590 --> 02:46:49,160  
personal

4258  
02:46:56,710 --> 02:46:53,600  
experiences have not been negative right

4259  
02:46:59,110 --> 02:46:56,720  
no very positive and so

4260  
02:46:59,990 --> 02:46:59,120  
if you if you base things on that and

4261  
02:47:02,550 --> 02:47:00,000  
you look at

4262  
02:47:04,710 --> 02:47:02,560  
a little bit of the historical narrative

4263  
02:47:06,950 --> 02:47:04,720

i've had a lot of uh

4264

02:47:08,469 --> 02:47:06,960

experiences and sightings myself all of

4265

02:47:11,510 --> 02:47:08,479

them great i haven't had it

4266

02:47:13,269 --> 02:47:11,520

i i have not been abducted uh i haven't

4267

02:47:16,790 --> 02:47:13,279

had any of my pets

4268

02:47:19,349 --> 02:47:16,800

mutilated you know nothing like that so

4269

02:47:21,670 --> 02:47:19,359

my my view is positive but if you look

4270

02:47:24,710 --> 02:47:21,680

at the historical narrative

4271

02:47:27,349 --> 02:47:24,720

uh if they're negative

4272

02:47:27,830 --> 02:47:27,359

they're pretty soft because they have

4273

02:47:30,469 --> 02:47:27,840

really

4274

02:47:31,830 --> 02:47:30,479

they haven't done anything right i don't

4275

02:47:35,590 --> 02:47:31,840

i haven't seen any

4276

02:47:38,870 --> 02:47:35,600

laser wars over london

4277

02:47:40,870 --> 02:47:38,880

right yeah absolutely yeah i see

4278

02:47:43,110 --> 02:47:40,880

you've probably heard that argument by

4279

02:47:43,750 --> 02:47:43,120

um steven greer i don't know much more

4280

02:47:45,429 --> 02:47:43,760

than this

4281

02:47:47,990 --> 02:47:45,439

but he says if they were evil they would

4282

02:47:50,389 --> 02:47:48,000

have destroyed us by now

4283

02:47:52,150 --> 02:47:50,399

well and we wouldn't have even known

4284

02:47:55,990 --> 02:47:52,160

about it

4285

02:48:00,309 --> 02:47:57,910

it would be instantaneous and it would

4286

02:48:02,790 --> 02:48:00,319

be over isaac arthur

4287

02:48:04,870 --> 02:48:02,800

a physicist on the show said one thing

4288

02:48:06,710 --> 02:48:04,880

very remarkable to me

4289

02:48:08,070 --> 02:48:06,720

a couple of years ago and this is what

4290

02:48:11,750 --> 02:48:08,080

he said peter

4291

02:48:14,950 --> 02:48:11,760

he said it wouldn't be about

4292

02:48:18,070 --> 02:48:14,960

fantastic weapons and a big battle

4293

02:48:20,710 --> 02:48:18,080

on earth it wouldn't be like that

4294

02:48:21,670 --> 02:48:20,720

it would be something simple like they

4295

02:48:24,710 --> 02:48:21,680

approach

4296

02:48:25,830 --> 02:48:24,720

uh our solar system at the speed of

4297

02:48:28,950 --> 02:48:25,840

light

4298

02:48:31,830 --> 02:48:28,960

on their big giant starship cruiser

4299

02:48:34,070 --> 02:48:31,840

and they hit the brakes and let their

4300

02:48:37,269 --> 02:48:34,080

garbage go

4301  
02:48:41,349 --> 02:48:37,279  
and then their garbage hits earth

4302  
02:48:44,550 --> 02:48:41,359  
at the speed of light and we are

4303  
02:48:46,630 --> 02:48:44,560  
it's destruction instantaneously kinetic

4304  
02:48:47,750 --> 02:48:46,640  
energy and forces that you cannot

4305  
02:48:50,950 --> 02:48:47,760  
imagine

4306  
02:48:53,910 --> 02:48:50,960  
and it would be garbage

4307  
02:48:54,710 --> 02:48:53,920  
all right it wouldn't be some fantastic

4308  
02:48:57,990 --> 02:48:54,720  
atomic

4309  
02:48:59,030 --> 02:48:58,000  
laser cannon torpedo it wouldn't be that

4310  
02:49:00,950 --> 02:48:59,040  
would be nasty huh

4311  
02:49:02,870 --> 02:49:00,960  
yeah you know and we wouldn't see that

4312  
02:49:03,910 --> 02:49:02,880  
coming either but it would be something

4313  
02:49:07,349 --> 02:49:03,920

like they would just

4314

02:49:11,190 --> 02:49:08,710

you know what i mean and we wouldn't

4315

02:49:14,070 --> 02:49:11,200

know it absolutely well you know

4316

02:49:15,190 --> 02:49:14,080

yeah exactly we wouldn't see they could

4317

02:49:18,870 --> 02:49:15,200

just toy with us

4318

02:49:19,190 --> 02:49:18,880

yeah and you know uh letting a a virus

4319

02:49:21,110 --> 02:49:19,200

go

4320

02:49:23,110 --> 02:49:21,120

on the planet and something like that

4321

02:49:26,710 --> 02:49:23,120

was again easy

4322

02:49:28,550 --> 02:49:26,720

the thing is this um and and

4323

02:49:30,070 --> 02:49:28,560

in this aspect i think that stephen

4324

02:49:32,150 --> 02:49:30,080

greer is right

4325

02:49:34,309 --> 02:49:32,160

and stephen and i have talked about this

4326

02:49:37,590 --> 02:49:34,319

so many times

4327

02:49:41,750 --> 02:49:37,600

uh but i'll get back to the point

4328

02:49:44,950 --> 02:49:41,760

is that um uh if

4329

02:49:45,750 --> 02:49:44,960

if there was something bad we would know

4330

02:49:47,830 --> 02:49:45,760

about it

4331

02:49:49,030 --> 02:49:47,840

and if there was something bad there

4332

02:49:51,510 --> 02:49:49,040

wouldn't be anything

4333

02:49:52,070 --> 02:49:51,520

that we could do about it and i think

4334

02:49:55,590 --> 02:49:52,080

that is

4335

02:49:58,790 --> 02:49:55,600

like the most basic thing

4336

02:50:01,190 --> 02:49:58,800

that we can say about the et phenomena

4337

02:50:02,550 --> 02:50:01,200

right and that's that's really it what

4338

02:50:05,990 --> 02:50:02,560

what other

4339

02:50:08,309 --> 02:50:06,000

bring me a bad experience we have plenty

4340

02:50:09,030 --> 02:50:08,319

of positive experiences we have tons of

4341

02:50:10,550 --> 02:50:09,040

that we have

4342

02:50:12,309 --> 02:50:10,560

tons of video and sightings and

4343

02:50:15,349 --> 02:50:12,319

experiences in contact

4344

02:50:15,910 --> 02:50:15,359

i know because i've had them myself all

4345

02:50:18,150 --> 02:50:15,920

right uh

4346

02:50:20,150 --> 02:50:18,160

myself yeah i i didn't realize that

4347

02:50:23,670 --> 02:50:20,160

really i mean i i thought there was

4348

02:50:25,830 --> 02:50:23,680

more variety out there well i don't know

4349

02:50:27,269 --> 02:50:25,840

i don't know that much you you must know

4350

02:50:27,830 --> 02:50:27,279

a hundred times more than i do about

4351  
02:50:31,110 --> 02:50:27,840  
this but

4352  
02:50:31,830 --> 02:50:31,120  
uh no i i think we're we're all pretty

4353  
02:50:35,190 --> 02:50:31,840  
aware

4354  
02:50:38,870 --> 02:50:35,200  
these days um my my

4355  
02:50:40,150 --> 02:50:38,880  
feeling is that if we if we look at

4356  
02:50:42,950 --> 02:50:40,160  
ourselves i i

4357  
02:50:44,230 --> 02:50:42,960  
constantly uh what's our reference point

4358  
02:50:45,190 --> 02:50:44,240  
what's our reference what are we going

4359  
02:50:47,670 --> 02:50:45,200  
to reference to

4360  
02:50:50,710 --> 02:50:47,680  
how how are we going to frame this how

4361  
02:50:52,790 --> 02:50:50,720  
do we negatively tease or

4362  
02:50:53,830 --> 02:50:52,800  
when we approach this question how do we

4363  
02:50:57,590 --> 02:50:53,840

approach it well we

4364

02:51:01,349 --> 02:50:57,600

can only we only know us

4365

02:51:04,469 --> 02:51:01,359

we only know us so therefore

4366

02:51:06,389 --> 02:51:04,479

let's forget about looking at the stars

4367

02:51:08,630 --> 02:51:06,399

or trying to get to mars or

4368

02:51:09,830 --> 02:51:08,640

the you know going to the moon and

4369

02:51:12,150 --> 02:51:09,840

rockets and all of that

4370

02:51:13,510 --> 02:51:12,160

okay put all of that to the side what do

4371

02:51:17,349 --> 02:51:13,520

we know about us

4372

02:51:20,309 --> 02:51:17,359

well all of uh history

4373

02:51:20,710 --> 02:51:20,319

has had positive and negative we've had

4374

02:51:23,910 --> 02:51:20,720

uh

4375

02:51:27,190 --> 02:51:23,920

evil rulers and conquerors and we've had

4376

02:51:30,070 --> 02:51:27,200

uh good uh societies and

4377

02:51:30,950 --> 02:51:30,080

and cultures and civilizations and by

4378

02:51:34,710 --> 02:51:30,960

and large

4379

02:51:39,190 --> 02:51:34,720

most of the planet is good bad

4380

02:51:41,110 --> 02:51:39,200

is fun for a little bit but it dies out

4381

02:51:42,790 --> 02:51:41,120

right yeah it doesn't that's the problem

4382

02:51:45,910 --> 02:51:42,800

with it it doesn't last

4383

02:51:46,870 --> 02:51:45,920

so it can be quite seductive right it's

4384

02:51:48,550 --> 02:51:46,880

fun man

4385

02:51:50,230 --> 02:51:48,560

being bad isn't it and there's pain on

4386

02:51:53,670 --> 02:51:50,240

the back end that's the problem with it

4387

02:51:55,190 --> 02:51:53,680

being being bad is is fun i i get that

4388

02:51:56,710 --> 02:51:55,200

i know i've experienced it i'm not

4389

02:51:59,990 --> 02:51:56,720

arguing at all not at all

4390

02:52:02,710 --> 02:52:00,000

not at all so productive so based on

4391

02:52:03,830 --> 02:52:02,720

that i'm not into it now at all i'm i'm

4392

02:52:05,910 --> 02:52:03,840

totally on the good side

4393

02:52:07,510 --> 02:52:05,920

yeah yeah yeah very seductive i have to

4394

02:52:10,950 --> 02:52:07,520

admit me too

4395

02:52:13,269 --> 02:52:10,960

so the same has to be for all

4396

02:52:14,389 --> 02:52:13,279

of the rest of the milky way and the

4397

02:52:17,590 --> 02:52:14,399

universe

4398

02:52:20,790 --> 02:52:17,600

in that negative bad

4399

02:52:23,990 --> 02:52:20,800

warring cultures have risen

4400

02:52:28,790 --> 02:52:24,000

but they fall right the

4401  
02:52:31,110 --> 02:52:28,800  
good move on they

4402  
02:52:32,309 --> 02:52:31,120  
they flourish and and and that's yeah

4403  
02:52:34,469 --> 02:52:32,319  
yeah so

4404  
02:52:36,230 --> 02:52:34,479  
who has been getting yeah who has been

4405  
02:52:39,510 --> 02:52:36,240  
getting to this planet

4406  
02:52:42,309 --> 02:52:39,520  
those civilizations that have survived

4407  
02:52:43,670 --> 02:52:42,319  
have survived war famine destruction

4408  
02:52:46,469 --> 02:52:43,680  
technology

4409  
02:52:47,429 --> 02:52:46,479  
right they they've outlived and outpaced

4410  
02:52:50,150 --> 02:52:47,439  
all of it the things

4411  
02:52:52,070 --> 02:52:50,160  
that are challenging us today all right

4412  
02:52:54,790 --> 02:52:52,080  
the things that are challenging us today

4413  
02:52:55,990 --> 02:52:54,800

could end a nuclear war could and

4414

02:52:59,510 --> 02:52:56,000

everything on this planet

4415

02:53:00,389 --> 02:52:59,520

tomorrow so all of those civilizations

4416

02:53:02,550 --> 02:53:00,399

out there

4417

02:53:04,150 --> 02:53:02,560

had to survive that self-destruction

4418

02:53:05,590 --> 02:53:04,160

phase in the weapons phase and the

4419

02:53:07,910 --> 02:53:05,600

technology phase

4420

02:53:10,389 --> 02:53:07,920

they evolved past that they mature they

4421

02:53:10,950 --> 02:53:10,399

become enlightened of course that's the

4422

02:53:13,590 --> 02:53:10,960

goal

4423

02:53:16,469 --> 02:53:13,600

right well that's who yeah that's who

4424

02:53:20,309 --> 02:53:16,479

survives and reaches this planet

4425

02:53:24,150 --> 02:53:20,319

you know i it would it would bum me out

4426  
02:53:27,670 --> 02:53:24,160  
if uh the milky way is being colonized

4427  
02:53:30,630 --> 02:53:27,680  
by a gnarly warring faction

4428  
02:53:31,349 --> 02:53:30,640  
of bloodthirsty aliens that are

4429  
02:53:34,790 --> 02:53:31,359  
conquering

4430  
02:53:37,990 --> 02:53:34,800  
planets for the sake of being evil

4431  
02:53:38,950 --> 02:53:38,000  
that's that's that that would suck but i

4432  
02:53:41,349 --> 02:53:38,960  
don't think that i think

4433  
02:53:44,150 --> 02:53:41,359  
there are those kind of galaxies but i

4434  
02:53:47,269 --> 02:53:44,160  
don't think it's going on here at all

4435  
02:53:47,910 --> 02:53:47,279  
no i don't think so i i really don't i

4436  
02:53:51,830 --> 02:53:47,920  
really don't

4437  
02:53:55,110 --> 02:53:51,840  
and and so if if you're going to evolve

4438  
02:53:55,590 --> 02:53:55,120

over tens of thousands of millions of

4439

02:53:59,190 --> 02:53:55,600

years

4440

02:54:01,670 --> 02:53:59,200

and you are going to evolve you are

4441

02:54:04,230 --> 02:54:01,680

happy you're enlightened you're educated

4442

02:54:07,429 --> 02:54:04,240

you're knowledgeable you're technical

4443

02:54:09,910 --> 02:54:07,439

uh you're telepathic your brain power is

4444

02:54:12,309 --> 02:54:09,920

incredible you're artistic

4445

02:54:13,190 --> 02:54:12,319

um and and you're out there doing good

4446

02:54:15,349 --> 02:54:13,200

things

4447

02:54:17,269 --> 02:54:15,359

that's what survives and that's

4448

02:54:18,630 --> 02:54:17,279

hopefully what we're going to evolve

4449

02:54:20,550 --> 02:54:18,640

into

4450

02:54:22,309 --> 02:54:20,560

yeah and so you're in a state of joy all

4451

02:54:24,870 --> 02:54:22,319

the time yeah well i mean

4452

02:54:25,750 --> 02:54:24,880

you don't want to be a state of uh

4453

02:54:28,070 --> 02:54:25,760

purgatory

4454

02:54:29,110 --> 02:54:28,080

or living in hell why that's what i've

4455

02:54:32,469 --> 02:54:29,120

been through it a lot

4456

02:54:34,070 --> 02:54:32,479

no i don't want it right no i've gotten

4457

02:54:37,429 --> 02:54:34,080

that contrast plenty

4458

02:54:40,790 --> 02:54:37,439

yeah that's right and and

4459

02:54:43,590 --> 02:54:40,800

and uh and that's that's where i'm at

4460

02:54:44,230 --> 02:54:43,600

and and that's where i think uh stephen

4461

02:54:46,630 --> 02:54:44,240

greer

4462

02:54:47,990 --> 02:54:46,640

is is spot on the money because you have

4463

02:54:48,630 --> 02:54:48,000

to go back and you have to look at the

4464

02:54:52,070 --> 02:54:48,640

evidence

4465

02:54:52,870 --> 02:54:52,080

you know where is where's the bad side

4466

02:54:54,630 --> 02:54:52,880

of this

4467

02:54:56,389 --> 02:54:54,640

now we've had people that have had bad

4468

02:54:59,990 --> 02:54:56,399

experiences and

4469

02:55:01,110 --> 02:55:00,000

we know that there must be millions of

4470

02:55:04,469 --> 02:55:01,120

civilizations

4471

02:55:05,190 --> 02:55:04,479

in our milky way alone and so out of

4472

02:55:08,230 --> 02:55:05,200

that

4473

02:55:09,349 --> 02:55:08,240

could there have been some bad

4474

02:55:11,110 --> 02:55:09,359

situations that

4475

02:55:13,670 --> 02:55:11,120

have arrived on this planet and people

4476

02:55:17,030 --> 02:55:13,680

have had bad experiences with that

4477

02:55:19,190 --> 02:55:17,040

uh sure you know it's a numbers game it

4478

02:55:20,309 --> 02:55:19,200

that that has to have trickled through

4479

02:55:22,630 --> 02:55:20,319

but that isn't the

4480

02:55:23,910 --> 02:55:22,640

the vast majority of people's experience

4481

02:55:27,269 --> 02:55:23,920

when it comes to

4482

02:55:29,349 --> 02:55:27,279

the possibility of vt contact

4483

02:55:31,030 --> 02:55:29,359

so i'm sure you know david wilcock right

4484

02:55:32,630 --> 02:55:31,040

so i've heard it i'm going to take it

4485

02:55:34,550 --> 02:55:32,640

for granted

4486

02:55:36,550 --> 02:55:34,560

obviously obviously i think you would

4487

02:55:38,309 --> 02:55:36,560

have and uh so

4488

02:55:40,150 --> 02:55:38,319

i think he might even be teasing me if

4489

02:55:42,150 --> 02:55:40,160

he seems everybody's heard of him

4490

02:55:43,830 --> 02:55:42,160

and he talks a lot about both the

4491

02:55:45,910 --> 02:55:43,840

positive and the negative ones and i'm

4492

02:55:48,070 --> 02:55:45,920

sure you've also heard of dolores cannon

4493

02:55:49,429 --> 02:55:48,080

yes who passed away about 10 years ago

4494

02:55:53,110 --> 02:55:49,439

but she had

4495

02:55:54,950 --> 02:55:53,120

she had uh put thousands or tens of

4496

02:55:56,790 --> 02:55:54,960

thousands of people into

4497

02:55:59,030 --> 02:55:56,800

deep hypnosis and gone into their past

4498

02:56:00,630 --> 02:55:59,040

lives and their experiences on the other

4499

02:56:02,309 --> 02:56:00,640

side and everything and experiences with

4500

02:56:04,469 --> 02:56:02,319

et's also

4501  
02:56:07,030 --> 02:56:04,479  
and she said she'd never ever ever

4502  
02:56:08,230 --> 02:56:07,040  
encountered anything of a negative et so

4503  
02:56:10,230 --> 02:56:08,240  
you know that's what i was saying up

4504  
02:56:12,469 --> 02:56:10,240  
front that some people i

4505  
02:56:13,750 --> 02:56:12,479  
highly respect say that there aren't any

4506  
02:56:16,790 --> 02:56:13,760  
negative et's

4507  
02:56:17,429 --> 02:56:16,800  
and i respect david also he says there

4508  
02:56:20,150 --> 02:56:17,439  
are

4509  
02:56:21,910 --> 02:56:20,160  
well even kind of in the middle on that

4510  
02:56:23,429 --> 02:56:21,920  
all right stephen grier knows steven is

4511  
02:56:25,030 --> 02:56:23,439  
100 on the good side

4512  
02:56:26,389 --> 02:56:25,040  
he'll argue with that all right that's

4513  
02:56:26,710 --> 02:56:26,399

good all right well two out of three

4514

02:56:30,070 --> 02:56:26,720

there

4515

02:56:30,630 --> 02:56:30,080

couple of minutes peter but uh let me

4516

02:56:33,990 --> 02:56:30,640

say this

4517

02:56:38,150 --> 02:56:34,000

oh okay um we go as

4518

02:56:41,269 --> 02:56:38,160

a a civilization we go and we explore

4519

02:56:43,110 --> 02:56:41,279

and we are going into the jungles and

4520

02:56:45,910 --> 02:56:43,120

onto islands and

4521

02:56:47,030 --> 02:56:45,920

we're capturing birds and bugs and

4522

02:56:49,910 --> 02:56:47,040

things and

4523

02:56:51,670 --> 02:56:49,920

and and putting them in cages and taking

4524

02:56:53,349 --> 02:56:51,680

them away from their families putting

4525

02:56:56,389 --> 02:56:53,359

them on boats and planes bringing them

4526

02:57:00,389 --> 02:56:56,399

back to the united states uh

4527

02:57:03,429 --> 02:57:00,399

dissecting examining uh killing

4528

02:57:05,429 --> 02:57:03,439

uh mutilating putting them in zoos and

4529

02:57:08,309 --> 02:57:05,439

in cages

4530

02:57:09,349 --> 02:57:08,319

and we don't see anything wrong with any

4531

02:57:12,389 --> 02:57:09,359

of that

4532

02:57:13,510 --> 02:57:12,399

we're learning well if e.t is starting

4533

02:57:16,790 --> 02:57:13,520

to realize though

4534

02:57:19,830 --> 02:57:16,800

by the vt comes here are we

4535

02:57:23,030 --> 02:57:19,840

just another species in the jungle

4536

02:57:26,070 --> 02:57:23,040

that needs to be bagged and tagged

4537

02:57:27,750 --> 02:57:26,080

and studied uh are they being rhetorical

4538

02:57:30,469 --> 02:57:27,760

right

4539

02:57:32,550 --> 02:57:30,479

no i'm not being retired after you i'm

4540

02:57:35,590 --> 02:57:32,560

not being wrong

4541

02:57:37,349 --> 02:57:35,600

everything's possible right well these

4542

02:57:40,150 --> 02:57:37,359

grays seem to be coming here

4543

02:57:40,870 --> 02:57:40,160

you know that are actually from what i

4544

02:57:43,269 --> 02:57:40,880

understand

4545

02:57:44,790 --> 02:57:43,279

from a few sources i don't know if i can

4546

02:57:45,750 --> 02:57:44,800

articulate it and we're going to run out

4547

02:57:48,070 --> 02:57:45,760

of time right

4548

02:57:49,830 --> 02:57:48,080

but these grays are humans that went

4549

02:57:51,670 --> 02:57:49,840

down the wrong path and they lost the

4550

02:57:54,870 --> 02:57:51,680

ability to reproduce and they lost

4551

02:57:57,110 --> 02:57:54,880

their ability to feel and they were

4552

02:57:59,750 --> 02:57:57,120

doing horrible scientific experiments on

4553

02:58:02,309 --> 02:57:59,760

us but they're not really et's they're

4554

02:58:05,269 --> 02:58:02,319

they're horribly negative humans in some

4555

02:58:08,230 --> 02:58:05,279

alternative future it's possible

4556

02:58:09,510 --> 02:58:08,240

yeah it's possible it's just i've heard

4557

02:58:10,950 --> 02:58:09,520

that story from

4558

02:58:12,230 --> 02:58:10,960

several different people and so i

4559

02:58:12,870 --> 02:58:12,240

started to think it must be true when

4560

02:58:14,790 --> 02:58:12,880

you get the

4561

02:58:16,150 --> 02:58:14,800

unless they all just hurt each other

4562

02:58:18,230 --> 02:58:16,160

well i haven't had

4563

02:58:19,349 --> 02:58:18,240

yeah i haven't had the close-up gray

4564

02:58:21,750 --> 02:58:19,359

encounter

4565

02:58:23,269 --> 02:58:21,760

when i do yeah you're lucky yeah when i

4566

02:58:26,550 --> 02:58:23,279

do i'll let you know

4567

02:58:29,110 --> 02:58:26,560

but any anything is possible and

4568

02:58:29,750 --> 02:58:29,120

game it's a numbers game peter where are

4569

02:58:33,990 --> 02:58:29,760

you calling

4570

02:58:36,950 --> 02:58:34,000

fairfield iowa

4571

02:58:38,870 --> 02:58:36,960

that major uh metropolis it's a it's a

4572

02:58:40,870 --> 02:58:38,880

little town with a little

4573

02:58:42,309 --> 02:58:40,880

consciousness university marshy

4574

02:58:44,389 --> 02:58:42,319

university you ever heard of it

4575

02:58:46,309 --> 02:58:44,399

no i haven't but uh thank you for the

4576

02:58:48,870 --> 02:58:46,319

following beatles guru maharaj

4577

02:58:52,150 --> 02:58:48,880

yogi there you go we love first time

4578

02:58:54,070 --> 02:58:52,160

callers here man and don't be a stranger

4579

02:58:55,750 --> 02:58:54,080

all right it won't all right you take

4580

02:58:57,349 --> 02:58:55,760

care have a great night

4581

02:58:58,950 --> 02:58:57,359

it's a good phone call right there and i

4582

02:59:00,230 --> 02:58:58,960

love getting into a conversation with a

4583

02:59:03,510 --> 02:59:00,240

first-time caller

4584

02:59:07,269 --> 02:59:03,520

that's always a lot of fun

4585

02:59:09,429 --> 02:59:07,279

what a great show tonight greg house

4586

02:59:10,950 --> 02:59:09,439

the absolute best if you ever get a

4587

02:59:12,790 --> 02:59:10,960

chance to meet greg

4588

02:59:14,389 --> 02:59:12,800

uh go out to a protest sometime you'll

4589

02:59:16,389 --> 02:59:14,399

see him but um

4590

02:59:17,990 --> 02:59:16,399

if you ever get a chance to meet greg do

4591

02:59:21,030 --> 02:59:18,000

it go up and tell him

4592

02:59:23,510 --> 02:59:21,040

hello he is a great guy and have a

4593

02:59:24,790 --> 02:59:23,520

question ready for him he's awesome we

4594

02:59:27,269 --> 02:59:24,800

taste like chicken

4595

02:59:28,389 --> 02:59:27,279

that's funny mark but what a great

4596

02:59:30,070 --> 02:59:28,399

conversation tonight

4597

02:59:31,590 --> 02:59:30,080

and i want to thank greg for that you

4598

02:59:35,349 --> 02:59:31,600

can follow greg on twitter

4599

02:59:38,950 --> 02:59:35,359

at greg house and that is greg with two

4600

02:59:41,110 --> 02:59:38,960

g's h o u s e greg house

4601  
02:59:43,190 --> 02:59:41,120  
do that right there in twitter and his

4602  
02:59:46,309 --> 02:59:43,200  
new website greghouse.com

4603  
02:59:47,750 --> 02:59:46,319  
is getting ready to launch and this new

4604  
02:59:49,750 --> 02:59:47,760  
twitch podcast

4605  
02:59:51,830 --> 02:59:49,760  
is going to be pretty cool with video so

4606  
02:59:53,830 --> 02:59:51,840  
there you go all right tomorrow night

4607  
02:59:57,750 --> 02:59:53,840  
right here is fader night

4608  
02:59:59,910 --> 02:59:57,760  
open lines all night long

4609  
03:00:01,429 --> 02:59:59,920  
i'm real jimmy church on the game

4610  
03:00:05,269 --> 03:00:01,439  
changer network and k

4611  
03:00:07,670 --> 03:00:05,279  
g r a the planet data blacks executive

4612  
03:00:09,670 --> 03:00:07,680  
producers rita kamarian

4613  
03:00:10,790 --> 03:00:09,680

shows produced by him j palm rene dennis

4614

03:00:13,349 --> 03:00:10,800

and kevin

4615

03:00:14,870 --> 03:00:13,359

announcers are steve harder gene bateau

4616

03:00:17,110 --> 03:00:14,880

and mark d kovar

4617

03:00:18,389 --> 03:00:17,120

webmaster is drew the geek music doug

4618

03:00:22,389 --> 03:00:18,399

aldrige

4619

03:00:24,469 --> 03:00:22,399

intro spaceboy spaceboymusic.com

4620

03:00:25,670 --> 03:00:24,479

payton black is produced by kjcr for the

4621

03:00:29,510 --> 03:00:25,680

game changer network

4622

03:00:31,750 --> 03:00:29,520

syndication is k-g-r-a planet

4623

03:00:33,269 --> 03:00:31,760

this broadcast zone and copyrighted 2020

4624

03:00:34,309 --> 03:00:33,279

by fade to black in the game changer

4625

03:00:36,230 --> 03:00:34,319

network inc

4626  
03:00:37,750 --> 03:00:36,240  
they cannot be re-broadcast downloaded

4627  
03:00:38,630 --> 03:00:37,760  
copied or used anywhere in the known

4628  
03:00:40,469 --> 03:00:38,640  
universe

4629  
03:00:42,389 --> 03:00:40,479  
without written permission from fade to

4630  
03:00:44,790 --> 03:00:42,399  
block of the game changer network

4631  
03:00:47,590 --> 03:00:44,800  
army host jimmy church tomorrow night

4632  
03:00:52,389 --> 03:00:47,600  
speeder night open lines all night long