



1
00:00:06,720 --> 00:00:23,089
mr. Brian Oh

2
00:00:33,810 --> 00:00:25,830
I've done this for a very very long time

3
00:00:36,180 --> 00:00:33,820
sir faint all the women Russia how do I

4
00:00:38,819 --> 00:00:36,190
become a terrorist well that's school at

5
00:00:41,400 --> 00:00:38,829
15 and I wasn't very bright to be very

6
00:00:45,720 --> 00:00:41,410
honest I could spell that was about it

7
00:00:49,920 --> 00:00:45,730
and I remember walking down so they were

8
00:00:51,900 --> 00:00:49,930
high street thinking what can I do which

9
00:00:54,840 --> 00:00:51,910
company could not walk you to an ask for

10
00:00:57,360 --> 00:00:54,850
a job because in the 1960s you could

11
00:00:59,340 --> 00:00:57,370
literally walk into anywhere and ask for

12
00:01:03,780 --> 00:00:59,350
a job you may not get it but you could

13
00:01:05,310 --> 00:01:03,790

certainly ask for it and I walked into a

14

00:01:06,929 --> 00:01:05,320

couple places and they said that they

15

00:01:09,810 --> 00:01:06,939

were interested and then finally walked

16

00:01:14,730 --> 00:01:09,820

in to the soil news which was a weekly

17

00:01:18,420 --> 00:01:14,740

newspaper and I said to the guy look I'd

18

00:01:20,990 --> 00:01:18,430

like to be a journalist am I in the

19

00:01:24,240 --> 00:01:21,000

right place and he said no you're not

20

00:01:26,370 --> 00:01:24,250

and you will only ever be a journalist

21

00:01:29,880 --> 00:01:26,380

if you work for a major paper you can

22

00:01:32,520 --> 00:01:29,890

however become a copy boy and I had no

23

00:01:34,109 --> 00:01:32,530

idea what a copy boy it was but

24

00:01:36,359 --> 00:01:34,119

apparently I I discovered there was

25

00:01:40,140 --> 00:01:36,369

already another copy boy there called

26

00:01:42,240 --> 00:01:40,150

Colin Colin Bishop and colleague and it

27

00:01:45,750 --> 00:01:42,250

showed me the ropes basically what you

28

00:01:48,390 --> 00:01:45,760

do is you carry the information given by

29

00:01:49,710 --> 00:01:48,400

journalists to the subjects and the

30

00:01:52,260 --> 00:01:49,720

subjects decide whether it's worth

31

00:01:54,240 --> 00:01:52,270

printing or not and you also carry

32

00:01:59,190 --> 00:01:54,250

around with your loads of blocks these

33

00:02:01,300 --> 00:01:59,200

are these are typical blocks these are

34

00:02:04,150 --> 00:02:01,310

Morris in fact of

35

00:02:06,580 --> 00:02:04,160

the captain of the Cutty Sark these were

36

00:02:09,340 --> 00:02:06,590

found under the well no not under the

37

00:02:10,300 --> 00:02:09,350

floorboards in the Attic of the mail on

38

00:02:11,950 --> 00:02:10,310

Sunday

39

00:02:14,080 --> 00:02:11,960

I found these a long time because

40

00:02:15,820 --> 00:02:14,090

they're very old blocks but that's what

41

00:02:20,230 --> 00:02:15,830

you used to do is it as a copy would

42

00:02:22,270 --> 00:02:20,240

carry around blocks and take bits of

43

00:02:24,010 --> 00:02:22,280

paper here in there and make coffee and

44

00:02:28,660 --> 00:02:24,020

all the rest of the usual office

45

00:02:34,449 --> 00:02:28,670

point-in-time stuff and we stood this

46

00:02:36,360 --> 00:02:34,459

for about a year Colin and I and every

47

00:02:38,560 --> 00:02:36,370

lunchtime endeavour half a bitter and

48

00:02:40,690 --> 00:02:38,570

discuss how we become to become

49

00:02:43,199 --> 00:02:40,700

journalists but we knew we'd never

50

00:02:45,970 --> 00:02:43,209

become journalists on a weekly newspaper

51
00:02:48,280 --> 00:02:45,980
which relied principally on on

52
00:02:50,470 --> 00:02:48,290
advertising to exist and had one

53
00:02:53,250 --> 00:02:50,480
journalist but we occasionally would go

54
00:02:56,260 --> 00:02:53,260
out with to the vicarage tea party or

55
00:02:58,360 --> 00:02:56,270
somebody's wedding or something similar

56
00:03:04,750 --> 00:02:58,370
not terribly interesting I'm gonna show

57
00:03:07,479 --> 00:03:04,760
you so in a roundabout 1954 we've been

58
00:03:11,140 --> 00:03:07,489
there a year we both said to the boss

59
00:03:14,110 --> 00:03:11,150
look we want to become jealous what do

60
00:03:15,580 --> 00:03:14,120
we have to do right and he said you need

61
00:03:18,370 --> 00:03:15,590
to you need to work for a major

62
00:03:20,920 --> 00:03:18,380
newspaper so how do we work for a large

63
00:03:24,699 --> 00:03:20,930

a major newspaper how do you do that and

64

00:03:29,259 --> 00:03:24,709

he said you need life experience go out

65

00:03:31,870 --> 00:03:29,269

and get life experience I was 15 what

66

00:03:36,009 --> 00:03:31,880

was that supposed to be life experience

67

00:03:40,120 --> 00:03:36,019

and he said well what you should do both

68

00:03:42,130 --> 00:03:40,130

of you is go abroad go abroad and see

69

00:03:45,160 --> 00:03:42,140

what you couldn't find out about the

70

00:03:47,860 --> 00:03:45,170

world at large and come back and apply

71

00:03:52,210 --> 00:03:47,870

to a major newspaper and I'll back you

72

00:03:54,640 --> 00:03:52,220

up with a reference so Colin and I

73

00:03:57,400 --> 00:03:54,650

looked at all of the maps available in

74

00:04:00,100 --> 00:03:57,410

deciding that okay we would try to go

75

00:04:01,980 --> 00:04:00,110

aboard and first of all the idea was to

76

00:04:04,680 --> 00:04:01,990

go to France which was very simple

77

00:04:07,920 --> 00:04:04,690

but you don't understand that in 1954

78

00:04:10,910 --> 00:04:07,930

nobody went abroad only the very wealthy

79

00:04:14,280 --> 00:04:10,920

people went abroad in the fifties

80

00:04:16,710 --> 00:04:14,290

shortly after the war and then it just

81

00:04:20,610 --> 00:04:16,720

wasn't on but that's what we intended to

82

00:04:23,700 --> 00:04:20,620

do so we caught the Swedish Floyd

83

00:04:25,950 --> 00:04:23,710

ferried having saved about pennies to

84

00:04:29,780 --> 00:04:25,960

Scandinavia and the first foreign

85

00:04:33,420 --> 00:04:29,790

country I ever saw in my life was Sweden

86

00:04:35,880 --> 00:04:33,430

and when we left it was March April and

87

00:04:38,760 --> 00:04:35,890

the weather was quite nice and when we

88

00:04:39,240 --> 00:04:38,770

arrived in in Gaza bernal caught the

89

00:04:45,060 --> 00:04:39,250

ball

90

00:04:46,890 --> 00:04:45,070

it was deep snow and freezing cold quite

91

00:04:48,780 --> 00:04:46,900

frankly I remember we both had together

92

00:04:52,950 --> 00:04:48,790

jackets which were popular in those days

93

00:04:55,950 --> 00:04:52,960

and we were freezing but we did manage

94

00:04:58,380 --> 00:04:55,960

to get a lift after stepping off the

95

00:05:01,980 --> 00:04:58,390

ferry and the first time we got a lift

96

00:05:04,560 --> 00:05:01,990

with offered us a job and a place called

97

00:05:08,430 --> 00:05:04,570

touched a bit which is a small village

98

00:05:10,920 --> 00:05:08,440

just outside of Stockholm where there's

99

00:05:15,300 --> 00:05:10,930

a paper factory a huge paper Factory and

100

00:05:18,270 --> 00:05:15,310

we spent a lot of time mixing cement and

101
00:05:23,640 --> 00:05:18,280
stuff to plaster the boiler in this in

102
00:05:25,620 --> 00:05:23,650
this very large paper Factory and well

103
00:05:29,310 --> 00:05:25,630
to cut a long story short we we went

104
00:05:32,070 --> 00:05:29,320
there from Baumann to Copenhagen and got

105
00:05:35,040 --> 00:05:32,080
the ferry to the Tivoli Gardens before

106
00:05:38,100 --> 00:05:35,050
then I'd like to show you a Gothenburg

107
00:05:39,480 --> 00:05:38,110
in 1954 just a quick picture I'm just

108
00:05:42,120 --> 00:05:39,490
gonna run through this stuff because

109
00:05:52,610 --> 00:05:42,130
this is how I if you like got into

110
00:05:56,100 --> 00:05:52,620
journalism very very cold for snow but

111
00:06:01,080 --> 00:05:56,110
what fascinated us absolutely fascinated

112
00:06:04,080 --> 00:06:01,090
me anyway was that in Britain in 1954

113
00:06:06,860 --> 00:06:04,090

everything's brown everyone's teachings

114

00:06:08,749 --> 00:06:06,870

brown everything

115

00:06:12,740 --> 00:06:08,759

I tell you the 50c was still are

116

00:06:15,610 --> 00:06:12,750

Russians but everything in Sweden was

117

00:06:18,890 --> 00:06:15,620

bright can you show the Swedish dance

118

00:06:23,929 --> 00:06:18,900

everything was bright and colorful women

119

00:06:25,670 --> 00:06:23,939

with sledges were were were run s

120

00:06:28,249 --> 00:06:25,680

registered the high streets to do their

121

00:06:31,219 --> 00:06:28,259

shopping in bright colors and we had

122

00:06:37,629 --> 00:06:31,229

never ever seen anything like that's a

123

00:06:40,969 --> 00:06:37,639

typical Swedish house in 1954 and then

124

00:06:45,379 --> 00:06:40,979

having worked in Sweden for a while we

125

00:06:48,230 --> 00:06:45,389

decided to cross the ferry to Copenhagen

126

00:06:58,240 --> 00:06:48,240

and work in the Tivoli Gardens in

127

00:07:03,050 --> 00:07:00,980

so we went on the ferry and we worked in

128

00:07:04,909 --> 00:07:03,060

the tiller gods in in Copenhagen I

129

00:07:07,820 --> 00:07:04,919

thought if you've ever been there that's

130

00:07:14,719 --> 00:07:07,830

very nice in 1954 it was quite an

131

00:07:18,890 --> 00:07:14,729

eye-opener to me and then having worked

132

00:07:23,029 --> 00:07:18,900

there for us of four or five months we

133

00:07:26,740 --> 00:07:23,039

worked our way along the continent into

134

00:07:29,089 --> 00:07:26,750

Germany eleven months the German border

135

00:07:30,950 --> 00:07:29,099

you see in those days there were no kids

136

00:07:32,839 --> 00:07:30,960

hitchhiking around the place like there

137

00:07:35,450 --> 00:07:32,849

are now every way to go now the students

138

00:07:38,540 --> 00:07:35,460

which I didn't pretend to be there was a

139

00:07:42,950 --> 00:07:38,550

nobody doing this in 1954 and everywhere

140

00:07:45,230 --> 00:07:42,960

we went we were sort of you know we

141

00:07:47,990 --> 00:07:45,240

astonished people that we capable of

142

00:07:49,760 --> 00:07:48,000

doing such a thing anyway when we go to

143

00:07:53,930 --> 00:07:49,770

the German border and it was it was

144

00:07:56,209 --> 00:07:53,940

occupied by British soldiers and they

145

00:07:57,740 --> 00:07:56,219

said where you going where we come from

146

00:08:00,200 --> 00:07:57,750

you know and they

147

00:08:02,870 --> 00:08:00,210

we spent ages explaining what we were

148

00:08:05,000 --> 00:08:02,880

doing and they were very reluctant to

149

00:08:09,320 --> 00:08:05,010

let us into Germany but eventually we

150

00:08:36,560 --> 00:08:09,330

did it and we were astonished a journey

151
00:08:42,459 --> 00:08:36,570
was 1954 Germany was flat yeah it was a

152
00:08:46,310 --> 00:08:42,469
surprise the people were very depressed

153
00:08:55,930 --> 00:08:46,320
friendly in friendly but clearly they

154
00:08:59,950 --> 00:08:55,940
have had to drop in in 1954 not 1948

155
00:09:02,960 --> 00:08:59,960
1954 and Hamburg and we were astonished

156
00:09:05,360 --> 00:09:02,970
but in typical German fashion made part

157
00:09:07,160 --> 00:09:05,370
of all the best bricks and piles so that

158
00:09:09,590 --> 00:09:07,170
could be reused all the second best

159
00:09:11,720 --> 00:09:09,600
bricks and secondly piles of all the

160
00:09:14,690 --> 00:09:11,730
rubble in third piles so everywhere he

161
00:09:16,340 --> 00:09:14,700
went were piles of bricks beautifully

162
00:09:20,870 --> 00:09:16,350
laid out ready for the next sort of

163
00:09:25,160 --> 00:09:20,880

level if you like of construction there

164

00:09:28,550 --> 00:09:25,170

are amazing people the Germans but but

165

00:09:32,030 --> 00:09:28,560

Dresden Hamburg set on fire the oxygen

166

00:09:34,880 --> 00:09:32,040

in the air actually set on fire and it

167

00:09:36,650 --> 00:09:34,890

melted the streets so when people ran

168

00:09:39,200 --> 00:09:36,660

out into the streets to escape the fire

169

00:09:41,810 --> 00:09:39,210

they got stuck in the tarmac on the

170

00:09:43,850 --> 00:09:41,820

roads and then to get because their feet

171

00:09:46,010 --> 00:09:43,860

couldn't move they would then get down

172

00:09:48,020 --> 00:09:46,020

on your knees for time push themselves

173

00:09:51,950 --> 00:09:48,030

where their hands and feet would be

174

00:09:54,860 --> 00:09:51,960

stuck in the melting time again pretty

175

00:09:56,040 --> 00:09:54,870

horrendous pictures but I didn't think

176

00:10:01,250 --> 00:09:56,050

you'd like to

177

00:10:08,220 --> 00:10:04,410

so we spent some time in germany and

178

00:10:09,840 --> 00:10:08,230

then we heard on the grapevine because

179

00:10:12,180 --> 00:10:09,850

we were still trying to get what the

180

00:10:15,420 --> 00:10:12,190

heavy turbine saw your muse called world

181

00:10:19,350 --> 00:10:15,430

experience so we had heard on the

182

00:10:23,579 --> 00:10:19,360

grapevine that there was some kind of a

183

00:10:26,130 --> 00:10:23,589

revolution taking place in hungary by

184

00:10:29,670 --> 00:10:26,140

now we'd been on the continent for about

185

00:10:31,350 --> 00:10:29,680

two years we were both supposed to come

186

00:10:33,509 --> 00:10:31,360

back to the UK to do our national

187

00:10:36,480 --> 00:10:33,519

service like we were still on the

188

00:10:39,990 --> 00:10:36,490

continent and we decided to go to

189

00:10:45,540 --> 00:10:40,000

Austria and see in Austria what all this

190

00:10:47,490 --> 00:10:45,550

stuff was about in Hungary so we went

191

00:10:51,509 --> 00:10:47,500

into Austria and we found loads of

192

00:10:53,780 --> 00:10:51,519

students who were all desperately trying

193

00:10:56,430 --> 00:10:53,790

to get across the border into Hungary

194

00:10:59,910 --> 00:10:56,440

those who helped the Hungarians and our

195

00:11:01,440 --> 00:10:59,920

Gary revolution that we join and we

196

00:11:06,030 --> 00:11:01,450

thought that it would be very difficult

197

00:11:09,630 --> 00:11:06,040

I can't see in Tanzania we thought it

198

00:11:12,300 --> 00:11:09,640

very difficult to get across the border

199

00:11:14,579 --> 00:11:12,310

but it wasn't believe it or not the

200

00:11:16,620 --> 00:11:14,589

border guards were letting anybody in

201
00:11:18,420 --> 00:11:16,630
anybody who thought they could help in

202
00:11:22,050 --> 00:11:18,430
the revolution they were letting them

203
00:11:25,889 --> 00:11:22,060
through because by September the

204
00:11:29,010 --> 00:11:25,899
beginning of October the the army and

205
00:11:31,800 --> 00:11:29,020
decided to back the revolution and so

206
00:11:34,160 --> 00:11:31,810
wasn't just a question of ordinary

207
00:11:37,319 --> 00:11:34,170
people in the streets and students on

208
00:11:42,930 --> 00:11:37,329
the hungarian army also joined in the

209
00:11:45,600 --> 00:11:42,940
frame if you could show perhaps off yeah

210
00:11:48,900 --> 00:11:45,610
the girls with rifles in 1956 because

211
00:11:52,439 --> 00:11:48,910
the revolution was in october 1956 it's

212
00:11:55,530 --> 00:11:52,449
lost in one month and Colin and I spent

213
00:12:02,280 --> 00:11:55,540

the entire month there getting what so W

214

00:12:04,680 --> 00:12:02,290

is called life experience no we were

215

00:12:08,750 --> 00:12:04,690

both people both of these

216

00:12:11,370 --> 00:12:08,760

dark eye black hair different area codes

217

00:12:16,440 --> 00:12:11,380

to the teeth I mean every school boy's

218

00:12:20,580 --> 00:12:16,450

dream yeah and they only was issuing out

219

00:12:22,950 --> 00:12:20,590

vices to everybody everybody we both we

220

00:12:26,850 --> 00:12:22,960

both ended up with a russian ruslan call

221

00:12:39,930 --> 00:12:26,860

it to the night and the girls will also

222

00:12:42,930 --> 00:12:39,940

be given body tupelov's and they were

223

00:12:43,470 --> 00:12:42,940

using them and they showed color than

224

00:12:46,020 --> 00:12:43,480

mine

225

00:12:48,900 --> 00:12:46,030

how to use them and they showed us how

226

00:12:52,620 --> 00:12:48,910

to throw the rock how to put eight clips

227

00:13:17,420 --> 00:12:52,630

in how to use the vault how to end

228

00:13:20,190 --> 00:13:17,430

correct and so on very similar to a 303

229

00:13:21,780 --> 00:13:20,200

very similar to a 303 which of course

230

00:13:24,840 --> 00:13:21,790

later both of us learned about in the

231

00:13:28,020 --> 00:13:24,850

British colonies but right then we were

232

00:13:30,180 --> 00:13:28,030

16 years old we had never seen the right

233

00:13:33,390 --> 00:13:30,190

we had never fired a rifle

234

00:13:39,420 --> 00:13:33,400

we hadn't ever seen the tank yet the

235

00:13:42,300 --> 00:13:39,430

streets were full of Tanks coughing like

236

00:13:45,030 --> 00:13:42,310

one coughing lane was where the

237

00:13:49,260 --> 00:13:45,040

bitterest fighting was and Colin I

238

00:13:53,850 --> 00:13:49,270

helped to put up barricades against the

239

00:13:55,950 --> 00:13:53,860

tanks the Hungarian army decided that

240

00:13:59,550 --> 00:13:55,960

they were going to join in the fight as

241

00:14:01,320 --> 00:13:59,560

well and eight Hungarian tanks were at

242

00:14:03,720 --> 00:14:01,330

least by the Hungarian army to fight the

243

00:14:05,430 --> 00:14:03,730

Russian tanks and they did they fought

244

00:14:09,740 --> 00:14:05,440

them very well as a matter of fact and

245

00:14:12,900 --> 00:14:09,750

to begin with the Russians withdrew

246

00:14:17,210 --> 00:14:12,910

they was true but as you all know

247

00:14:19,890 --> 00:14:17,220

eventually took four weeks to completely

248

00:14:26,460 --> 00:14:19,900

conquer the Hungarians which is very sad

249

00:14:30,210 --> 00:14:26,470

if you've got a coffin 92 coeur d'alene

250

00:14:33,300 --> 00:14:30,220

is famous in Budapest for the most

251
00:14:35,490 --> 00:14:33,310
severe fighting and these tanks have

252
00:14:40,530 --> 00:14:35,500
been taken out these tanks have been

253
00:14:41,790 --> 00:14:40,540
taken out by the Hungarian tanks and

254
00:14:43,410 --> 00:14:41,800
what we discovered this what was an

255
00:14:46,770 --> 00:14:43,420
awful lot of the Russian soldiers were

256
00:14:49,800 --> 00:14:46,780
from places like because as biggest fan

257
00:14:53,010 --> 00:14:49,810
and so on right up in the east and they

258
00:14:55,770 --> 00:14:53,020
having told that they were going to the

259
00:14:57,870 --> 00:14:55,780
West because the West have invaded the

260
00:15:00,590 --> 00:14:57,880
Eastern Bloc you didn't know where they

261
00:15:03,030 --> 00:15:00,600
were quite extraordinary

262
00:15:04,500 --> 00:15:03,040
but eventually of course they realised

263
00:15:06,510 --> 00:15:04,510

they were still inside the Eastern Bloc

264

00:15:12,090 --> 00:15:06,520

because quite a few Hungarians would

265

00:15:15,420 --> 00:15:12,100

speak Russian and and some of the

266

00:15:17,100 --> 00:15:15,430

Russian tank commanders actually

267

00:15:19,230 --> 00:15:17,110

abandoned their tanks when they do this

268

00:15:22,350 --> 00:15:19,240

they actually got out of their tanks and

269

00:15:29,040 --> 00:15:22,360

joined the hungarian revolution if

270

00:15:35,670 --> 00:15:29,050

you've got a coffin 9-3 that's very

271

00:15:37,500 --> 00:15:35,680

typical so cold and i spent four weeks

272

00:15:40,330 --> 00:15:37,510

anyway fighting the Russians I'm not

273

00:15:42,920 --> 00:15:40,340

sure if actually killed anyone

274

00:15:45,080 --> 00:15:42,930

because there weren't many ground troops

275

00:15:46,550 --> 00:15:45,090

there were some ground troops but there

276

00:15:49,340 --> 00:15:46,560

weren't many ground troops they were

277

00:15:51,830 --> 00:15:49,350

mostly there are armored tanks and

278

00:15:54,980 --> 00:15:51,840

armored cars until but we learnt a great

279

00:15:59,120 --> 00:15:54,990

deal and if you go to barricades which i

280

00:16:00,530 --> 00:15:59,130

think is before that's what we were

281

00:16:05,240 --> 00:16:00,540

doing principally putting up barricades

282

00:16:08,570 --> 00:16:05,250

to stop the tanks and it was certainly a

283

00:16:12,800 --> 00:16:08,580

life experiences that's something that I

284

00:16:17,510 --> 00:16:12,810

will never forget and what I realized

285

00:16:22,690 --> 00:16:17,520

when I was there is that this is what I

286

00:16:26,780 --> 00:16:22,700

wanted to do this is this was exciting

287

00:16:28,310 --> 00:16:26,790

this was this turned you on believe me

288

00:16:31,490 --> 00:16:28,320

wasn't just the fact that were beautiful

289

00:16:34,580 --> 00:16:31,500

girls because it was the whole thing was

290

00:16:37,570 --> 00:16:34,590

exciting as hell and I realized that

291

00:16:49,480 --> 00:16:37,580

what I wanted to be was a conflict just

292

00:16:54,800 --> 00:16:53,000

so that briefly explains anyway how how

293

00:16:58,250 --> 00:16:54,810

I got involved in German because when I

294

00:16:59,800 --> 00:16:58,260

got back to the UK because I had to come

295

00:17:03,560 --> 00:16:59,810

back anyway to do my national service

296

00:17:05,059 --> 00:17:03,570

when I got back to the UK clearly the

297

00:17:07,939 --> 00:17:05,069

song the news was not the pleasure to

298

00:17:09,980 --> 00:17:07,949

confer back to and I applied to the

299

00:17:11,329 --> 00:17:09,990

burning the man for a job and they said

300

00:17:13,309 --> 00:17:11,339

well you've got to go in the army now

301
00:17:16,699 --> 00:17:13,319
anyway when you come out to the British

302
00:17:18,559 --> 00:17:16,709
Army come back to see us because I told

303
00:17:20,689 --> 00:17:18,569
more the story about the Hungarian

304
00:17:22,880 --> 00:17:20,699
Revolution and so on what had happened

305
00:17:25,429 --> 00:17:22,890
to us of what we've done and so on and

306
00:17:27,730 --> 00:17:25,439
they said yes it's great come back after

307
00:17:32,330 --> 00:17:27,740
you've done your national service and

308
00:17:36,020 --> 00:17:32,340
and we will see what we can you

309
00:17:36,470 --> 00:17:36,030
guys jobs but Colin actually stayed in

310
00:17:38,240 --> 00:17:36,480
the army

311
00:17:41,870 --> 00:17:38,250
Colin became a second lieutenant and

312
00:17:45,890 --> 00:17:41,880
stayed in the British Army and I didn't

313
00:17:53,720 --> 00:17:45,900

like after two years and that's how I

314

00:17:56,169 --> 00:17:53,730

ended up man right I don't have the

315

00:17:58,760 --> 00:17:56,179

advantage of Bruce's Asperger's syndrome

316

00:18:02,720 --> 00:17:58,770

in my case it's more like a sauna

317

00:18:05,890 --> 00:18:02,730

syndrome so notes that means lots of

318

00:18:10,159 --> 00:18:05,900

notes to forget what I'm reading as well

319

00:18:12,620 --> 00:18:10,169

you have to bear with me I was going to

320

00:18:14,780 --> 00:18:12,630

introduce you feel like with a whole

321

00:18:15,460 --> 00:18:14,790

bunch of lame jokes but I decided not to

322

00:18:17,840 --> 00:18:15,470

do that

323

00:18:19,820 --> 00:18:17,850

having read an article which insisted

324

00:18:22,400 --> 00:18:19,830

you shouldn't do that I've changed my

325

00:18:25,460 --> 00:18:22,410

mind and will open by saying something

326

00:18:29,659 --> 00:18:25,470

that I think needs to be said about you

327

00:18:32,450 --> 00:18:29,669

guys before we get into any of the stuff

328

00:18:35,690 --> 00:18:32,460

about holographic universes I think we

329

00:18:37,460 --> 00:18:35,700

can take that off now the idea is not to

330

00:18:40,520 --> 00:18:37,470

talk about

331

00:18:51,720 --> 00:18:40,530

God here is the tool if you put outside

332

00:19:02,920 --> 00:19:01,120

yeah that's how universe yeah before

333

00:19:06,640 --> 00:19:02,930

before we get to some of our holographic

334

00:19:10,930 --> 00:19:06,650

universe we need to I need to say to you

335

00:19:11,940 --> 00:19:10,940

that all of you are absolutely right to

336

00:19:15,250 --> 00:19:11,950

be here

337

00:19:16,890 --> 00:19:15,260

you know the intellectual concept that

338

00:19:21,570 --> 00:19:16,900

your folks

339

00:19:23,950 --> 00:19:21,580

Eevee's NASA like the extra vehicles

340

00:19:27,010 --> 00:19:23,960

whatever you want to call them are real

341

00:19:32,310 --> 00:19:27,020

very very real is important to

342

00:19:39,930 --> 00:19:36,910

how they get here why they where they

343

00:19:44,200 --> 00:19:39,940

come from and what their intentions are

344

00:19:46,540 --> 00:19:44,210

obviously all up for debate but the fact

345

00:19:49,540 --> 00:19:46,550

that they exist and then the percentage

346

00:19:51,790 --> 00:19:49,550

of the population are not very sure that

347

00:19:54,040 --> 00:19:51,800

this is the case but they're prepared to

348

00:19:58,420 --> 00:19:54,050

come out and listen to other people's

349

00:20:04,480 --> 00:19:58,430

views on this he's done before which

350

00:20:06,100 --> 00:20:04,490

makes you Daniel Gordon I haven't be put

351
00:20:09,850 --> 00:20:06,110
off by the Indians who did go behind

352
00:20:13,680 --> 00:20:09,860
your back and saying you know a couple

353
00:20:20,400 --> 00:20:17,740
crack is there you can lose a lot of

354
00:20:24,250 --> 00:20:20,410
people who think like that

355
00:20:26,049 --> 00:20:24,260
so don't be put off by such people

356
00:20:28,729 --> 00:20:26,059
[Music]

357
00:20:32,060 --> 00:20:28,739
because they think it's nonsense and we

358
00:20:35,029 --> 00:20:32,070
know it isn't so I couldn't show you the

359
00:20:37,759 --> 00:20:35,039
International military engineering

360
00:20:40,210 --> 00:20:37,769
scientists of this world most of the

361
00:20:43,399 --> 00:20:40,220
staff at NASA and the skunkworks

362
00:20:46,159 --> 00:20:43,409
advanced HTML X Development Programme

363
00:20:49,460 --> 00:20:46,169

and Lockheed development including the

364

00:20:52,219 --> 00:20:49,470

CEOs of the scope works been rich and

365

00:20:54,799 --> 00:20:52,229

Kelly Johnson and many other engineering

366

00:21:00,200 --> 00:20:54,809

scientists and physicists utterly

367

00:21:02,239 --> 00:21:00,210

convinced that this is not mine stuff at

368

00:21:07,519 --> 00:21:02,249

least not in the seeing things that

369

00:21:11,930 --> 00:21:07,529

aren't there it's all very real and in

370

00:21:17,810 --> 00:21:11,940

been rich famous to call UFOs unfunded

371

00:21:20,089 --> 00:21:17,820

opportunities unfunded opportunity what

372

00:21:23,629 --> 00:21:20,099

that means to humanity had his future is

373

00:21:28,519 --> 00:21:23,639

obviously unknown it could be good or it

374

00:21:30,200 --> 00:21:28,529

could be very bad the question is will

375

00:21:36,229 --> 00:21:30,210

the good ones the ones that look like

376

00:21:38,680 --> 00:21:36,239

angels the satyrs Nordics usually will

377

00:21:43,609 --> 00:21:38,690

they save us from ourselves

378

00:21:46,999 --> 00:21:43,619

I doubt it we are facing huge problems

379

00:21:50,570 --> 00:21:47,009

on this planet and not just antibiotics

380

00:21:53,080 --> 00:21:50,580

loss and not just water loss and not

381

00:21:57,229 --> 00:21:53,090

just global warming which well the book

382

00:22:00,409 --> 00:21:57,239

is sort of a burn and he's not just

383

00:22:03,589 --> 00:22:00,419

plastic pollution and it's not just

384

00:22:06,489 --> 00:22:03,599

religious disagreements but as my

385

00:22:09,289 --> 00:22:06,499

current book with our children survived

386

00:22:12,710 --> 00:22:09,299

points out oil and gas will run out

387

00:22:15,529 --> 00:22:12,720

completely in under 30 years and no

388

00:22:19,700 --> 00:22:15,539

matter what baloney you may have read or

389

00:22:22,759 --> 00:22:19,710

heard or seen on TV there is no energy

390

00:22:25,789 --> 00:22:22,769

available to fill the energy gap created

391

00:22:29,719 --> 00:22:25,799

by the loss of fossil fuels it doesn't

392

00:22:32,450 --> 00:22:29,729

exist this is the very tail end of the

393

00:22:33,620 --> 00:22:32,460

Industrial Revolution and the future I'm

394

00:22:35,919 --> 00:22:33,630

afraid

395

00:22:38,270 --> 00:22:35,929

the grin unless we get our act together

396

00:22:41,750 --> 00:22:38,280

we don't just need schoolchildren

397

00:22:44,450 --> 00:22:41,760

involved we need everybody to go so I'm

398

00:22:47,600 --> 00:22:44,460

not happy note perhaps I should have

399

00:22:57,770 --> 00:22:47,610

taught some jokes anyway we will do

400

00:23:02,299 --> 00:22:57,780

something the Buddha once said three

401
00:23:07,159 --> 00:23:02,309
things can't long beginning the moon the

402
00:23:09,260 --> 00:23:07,169
Sun and the truth the Mark Twain has

403
00:23:12,520 --> 00:23:09,270
said never let the truth get in the way

404
00:23:15,230 --> 00:23:12,530
of a good story so you have to decide

405
00:23:19,640 --> 00:23:15,240
you have to use your brain to decide

406
00:23:23,840 --> 00:23:19,650
which of those two this is and it's

407
00:23:25,730 --> 00:23:23,850
actually it's not easy because we can

408
00:23:28,370 --> 00:23:25,740
get very complex or even take it simple

409
00:23:31,310 --> 00:23:28,380
science says the holographic principle

410
00:23:34,149 --> 00:23:31,320
is a property of quantum gravity

411
00:23:38,740 --> 00:23:34,159
theories which resolved the black hole

412
00:23:42,919 --> 00:23:38,750
information paradox within string theory

413
00:23:54,930 --> 00:23:42,929

you all understand that what can you

414

00:24:12,550 --> 00:24:09,280

ya know that ain't a black hole that's a

415

00:24:14,830 --> 00:24:12,560

black oh that's Missy an 87 which is a

416

00:24:18,190 --> 00:24:14,840

black hole not the black hole in the

417

00:24:20,290 --> 00:24:18,200

middle of our galaxy with a black hole

418

00:24:23,380 --> 00:24:20,300

in a very distant galaxy no the reason

419

00:24:25,150 --> 00:24:23,390

they haven't yet managed to pass a real

420

00:24:29,070 --> 00:24:25,160

photograph by the way as the first

421

00:24:34,630 --> 00:24:29,080

photograph ever of a black hole ever

422

00:24:41,230 --> 00:24:34,640

taken by the Hubble it's in the

423

00:24:44,080 --> 00:24:41,240

constellation of Virgo yeah but anyway

424

00:24:47,770 --> 00:24:44,090

why what does that mean all that stuff

425

00:24:50,350 --> 00:24:47,780

about what it means is that science has

426
00:24:53,190 --> 00:24:50,360
resolved a long-standing problem with

427
00:24:58,930 --> 00:24:53,200
black holes by finally understanding

428
00:25:00,700 --> 00:24:58,940
that we live in a hologram it was once

429
00:25:03,040 --> 00:25:00,710
called the information paradox because

430
00:25:06,570 --> 00:25:03,050
we didn't quite know what the math led

431
00:25:11,380 --> 00:25:06,580
to the mathematics of might also had

432
00:25:15,040 --> 00:25:11,390
various problems it was called the

433
00:25:16,870 --> 00:25:15,050
information paradox it has finally been

434
00:25:21,220 --> 00:25:16,880
resolved and led to the understanding

435
00:25:24,730 --> 00:25:21,230
that we live in a hologram now question

436
00:25:28,450 --> 00:25:24,740
is does that affect our world everyday

437
00:25:30,250 --> 00:25:28,460
lives are your lives affected because

438
00:25:34,050 --> 00:25:30,260

living in a hologram mean is it

439

00:25:38,650 --> 00:25:34,060

different from not living in a hologram

440

00:25:42,060 --> 00:25:38,660

well for start and means reality is an

441

00:25:51,210 --> 00:25:48,810

absolutely illusion at first in further

442

00:25:54,770 --> 00:25:51,220

the problem like about the fact that

443

00:25:58,470 --> 00:25:54,780

reality solution was first proposed by

444

00:26:02,340 --> 00:25:58,480

Paul jennett in 1928

445

00:26:04,170 --> 00:26:02,350

Oh God every buyer branding other

446

00:26:05,460 --> 00:26:04,180

consequence is to live in a hologram

447

00:26:08,780 --> 00:26:05,470

we're going to consider just a

448

00:26:13,500 --> 00:26:08,790

possibility and see where it leads us

449

00:26:16,320 --> 00:26:13,510

well all of us here don't we we live in

450

00:26:22,040 --> 00:26:16,330

a in a settled and relatively quiet

451

00:26:25,620 --> 00:26:22,050

community like tentatively a

452

00:26:30,510 --> 00:26:25,630

conventional world compared with let us

453

00:26:33,330 --> 00:26:30,520

say Herrera user Parkway or in Shasha

454

00:26:39,150 --> 00:26:33,340

in the Democratic Republic or one

455

00:26:43,020 --> 00:26:39,160

rosemary Liberia if we we will shoot it

456

00:26:45,000 --> 00:26:43,030

was like my view because if you've ever

457

00:26:48,000 --> 00:26:45,010

been and some of you may be to any of

458

00:26:50,600 --> 00:26:48,010

these cities you know that they and many

459

00:26:54,920 --> 00:26:50,610

more in the world like them

460

00:26:59,190 --> 00:26:54,930

maniacal pits of deprivation disease

461

00:27:01,860 --> 00:26:59,200

disorder the people are great and the

462

00:27:04,650 --> 00:27:01,870

children are fantastic but the towns are

463

00:27:07,770 --> 00:27:04,660

everything and the diseases they bring

464

00:27:10,740 --> 00:27:07,780

to the people you need to see them to

465

00:27:14,250 --> 00:27:10,750

believe but is ended of this because we

466

00:27:18,360 --> 00:27:14,260

live in a hologram no no it has nothing

467

00:27:22,260 --> 00:27:18,370

to do with our that nevertheless very

468

00:27:29,160 --> 00:27:22,270

bizarre things do take place on a

469

00:27:35,760 --> 00:27:32,290

everywhere everywhere on earth there is

470

00:27:38,710 --> 00:27:35,770

no viable explanation for many things

471

00:27:40,210 --> 00:27:38,720

even in small villages such as shriven

472

00:27:42,190 --> 00:27:40,220

and in Berkshire you'll probably want to

473

00:27:47,230 --> 00:27:42,200

watch liquor in box shape to buy a book

474

00:27:48,760 --> 00:27:47,240

or some movie in Colorado where the

475

00:27:50,530 --> 00:27:48,770

farmer describes what happened to his

476

00:27:52,810 --> 00:27:50,540

cattle all killed overnight by the way

477

00:27:54,640 --> 00:27:52,820

we all know about cattle mutilations but

478

00:27:57,220 --> 00:27:54,650

what you may not know is that it's still

479

00:28:01,570 --> 00:27:57,230

occurring this is the Reuters two weeks

480

00:28:03,760 --> 00:28:01,580

ago their innards were gone this is a

481

00:28:06,910 --> 00:28:03,770

farmer the innards were gone

482

00:28:10,510 --> 00:28:06,920

their tongues sliced out others

483

00:28:12,730 --> 00:28:10,520

carefully removed facial skin sliced and

484

00:28:15,460 --> 00:28:12,740

God he scored away

485

00:28:17,920 --> 00:28:15,470

not a single track surrounding the

486

00:28:20,560 --> 00:28:17,930

caucuses which were found in pastures

487

00:28:23,560 --> 00:28:20,570

locked behind two gates and a mile from

488

00:28:26,910 --> 00:28:23,570

any road not a drop of blood on the

489

00:28:30,970 --> 00:28:26,920

ground or even on the remaining skin

490

00:28:34,900 --> 00:28:30,980

will know whether snow but what does it

491

00:28:37,630 --> 00:28:34,910

mean what does it mean are we talking

492

00:28:41,170 --> 00:28:37,640

here about demons what are you talking

493

00:28:44,500 --> 00:28:41,180

about are we dealing with messengers of

494

00:28:46,360 --> 00:28:44,510

deception as in the shock valley book in

495

00:28:50,410 --> 00:28:46,370

which he says we're not dealing with

496

00:28:54,120 --> 00:28:50,420

space people but with concepts in which

497

00:28:57,790 --> 00:28:54,130

the mind of man is being real in taking

498

00:29:00,820 --> 00:28:57,800

rearranged and the mind of women to

499

00:29:05,350 --> 00:29:00,830

apparently over someone some men might I

500

00:29:07,270 --> 00:29:05,360

say that it's about time that this is

501
00:29:10,240 --> 00:29:07,280
the rest of the several Western world in

502
00:29:12,670 --> 00:29:10,250
small towns in Canada for example or a

503
00:29:14,060 --> 00:29:12,680
quiet village in France are they also

504
00:29:18,050 --> 00:29:14,070
undisturbed by

505
00:29:19,600 --> 00:29:18,060
any kind of unusual events no there are

506
00:29:23,030 --> 00:29:19,610
not

507
00:29:27,080 --> 00:29:23,040
for example an entire Sicilian village

508
00:29:30,500 --> 00:29:27,090
called canneto di caronia as quiet as

509
00:29:34,120 --> 00:29:30,510
any Sicilian village can be from 2004

510
00:29:37,210 --> 00:29:34,130
right up to the present fact this week

511
00:29:40,370 --> 00:29:37,220
occasionally bursts into flames

512
00:29:43,210 --> 00:29:40,380
mattresses spontaneously set fire free

513
00:29:46,490 --> 00:29:43,220

teas phones vacuum cleaners cars trucks

514

00:29:49,000 --> 00:29:46,500

electrical current of all sorts but also

515

00:29:54,080 --> 00:29:49,010

including organic material first

516

00:29:56,570 --> 00:29:54,090

unexpectedly into flame even with the

517

00:30:00,670 --> 00:29:56,580

entire electrical supply to the village

518

00:30:02,990 --> 00:30:00,680

cut off the phenomenon persists

519

00:30:06,010 --> 00:30:03,000

Leakesville water pipes have occurred

520

00:30:10,040 --> 00:30:06,020

and having been fixed leak 2 inches away

521

00:30:11,750 --> 00:30:10,050

over and over again a vanity mirror that

522

00:30:14,330 --> 00:30:11,760

other mirrors have ignited that when

523

00:30:17,780 --> 00:30:14,340

tasked with water within minutes have

524

00:30:20,870 --> 00:30:17,790

ignited again hard drives have been

525

00:30:23,140 --> 00:30:20,880

wiped clean animals die mysteriously all

526

00:30:25,550 --> 00:30:23,150

the time but the villages themselves

527

00:30:29,450 --> 00:30:25,560

seem so far any way physically

528

00:30:34,730 --> 00:30:29,460

unthinking there is no scientific

529

00:30:36,470 --> 00:30:34,740

explanation gone the files will often

530

00:30:39,140 --> 00:30:36,480

run down the street with objects

531

00:30:41,150 --> 00:30:39,150

igniting in one house and then the next

532

00:30:42,770 --> 00:30:41,160

and then the next with the villagers

533

00:30:45,410 --> 00:30:42,780

standing in the street watching this

534

00:30:57,260 --> 00:30:45,420

occur while clutching buckets of sand

535

00:31:01,280 --> 00:31:00,110

but a copy of Marathi Wilson ever we

536

00:31:05,020 --> 00:31:01,290

live in a world where people have been

537

00:31:09,290 --> 00:31:05,030

known to spontaneously burst into flames

538

00:31:12,320 --> 00:31:09,300

does occur anyway and we consume while

539

00:31:15,380 --> 00:31:12,330

the material around them is singed but

540

00:31:17,090 --> 00:31:15,390

but not concealed we know we live in a

541

00:31:19,640 --> 00:31:17,100

world where as the scientists Rupert

542

00:31:23,060 --> 00:31:19,650

Sheldrake has pointed out animals they

543

00:31:26,690 --> 00:31:23,070

rats can make other animals aware of the

544

00:31:28,850 --> 00:31:26,700

best possible way to navigate a maze if

545

00:31:32,270 --> 00:31:28,860

they are separated by entire continents

546

00:31:36,620 --> 00:31:32,280

but have not understood called morphing

547

00:31:39,890 --> 00:31:36,630

prisoners if we don't know already we

548

00:31:42,620 --> 00:31:39,900

should the antigravity artifacts exist

549

00:31:45,080 --> 00:31:42,630

and anti-gravity has been demonstrated

550

00:31:48,710 --> 00:31:45,090

since the various experiments by Nikola

551
00:31:50,540 --> 00:31:48,720
Tesla in the 19th century these are

552
00:31:52,310 --> 00:31:50,550
facts not conspiracy theories these

553
00:31:54,350 --> 00:31:52,320
these are all facts that you may say

554
00:31:55,880 --> 00:31:54,360
what the hell's this got to do with the

555
00:31:59,450 --> 00:31:55,890
holographic universe well you'll soon

556
00:32:01,400 --> 00:31:59,460
find out this is not YouTube

557
00:32:03,170 --> 00:32:01,410
gobbledygook this is scientific there

558
00:32:05,990 --> 00:32:03,180
scientific facts these things are

559
00:32:08,300 --> 00:32:06,000
occurring if you look for the Hutchinson

560
00:32:10,040 --> 00:32:08,310
effect on the Internet where the invents

561
00:32:13,040 --> 00:32:10,050
of John Hutchinson demonstrating

562
00:32:15,740 --> 00:32:13,050
numerous times that objects objects can

563
00:32:18,590 --> 00:32:15,750

be meditative including an old

564

00:32:20,780 --> 00:32:18,600

cannonball by the use of Tesla coils and

565

00:32:24,560 --> 00:32:20,790

very high and very low frequency radio

566

00:32:25,100 --> 00:32:24,570

waves so we already know that 90 gravity

567

00:32:29,690 --> 00:32:25,110

works

568

00:32:32,170 --> 00:32:29,700

who knew it and I show you it doesn't

569

00:32:35,330 --> 00:32:32,180

just remain in somebody's spool fact

570

00:32:37,310 --> 00:32:35,340

it's already it's already out there

571

00:32:38,960 --> 00:32:37,320

it's science interested in such

572

00:32:42,100 --> 00:32:38,970

phenomenon are they aware that

573

00:32:44,420 --> 00:32:42,110

anti-gravity is real of course they are

574

00:32:46,190 --> 00:32:44,430

are then working on this kind of

575

00:32:48,590 --> 00:32:46,200

technology to alleviate the weight of

576

00:32:50,120 --> 00:32:48,600

aircraft and hopefully use less fuel in

577

00:32:52,030 --> 00:32:50,130

the process of course they are of course

578

00:32:57,650 --> 00:32:52,040

they are

579

00:33:02,000 --> 00:32:57,660

it's called the B field Brown said and

580

00:33:03,860 --> 00:33:02,010

it's well known with emphasis but when

581

00:33:04,509 --> 00:33:03,870

you talk to people and say well you know

582

00:33:07,089 --> 00:33:04,519

you've seen

583

00:33:11,349 --> 00:33:07,099

was hovering it was like it did this

584

00:33:13,619 --> 00:33:11,359

register it doesn't have to be it

585

00:33:16,329 --> 00:33:13,629

doesn't have to be a alien believe me

586

00:33:18,190 --> 00:33:16,339

but not unnaturally the industrial

587

00:33:20,849 --> 00:33:18,200

military complex once its first they

588

00:33:25,930 --> 00:33:20,859

want all these things first they have it

589

00:33:28,359 --> 00:33:25,940

in fact they've had it since 1986 the

590

00:33:31,119 --> 00:33:28,369

TRB three has two triangular aircraft is

591

00:33:32,799 --> 00:33:31,129

almost certainly such technology not

592

00:33:35,799 --> 00:33:32,809

necessarily obtained from an alien

593

00:33:38,199 --> 00:33:35,809

culture we know but from our own Aurora

594

00:33:40,659 --> 00:33:38,209

program which rotates supercooled

595

00:33:43,869 --> 00:33:40,669

mercury based plasmas to achieve

596

00:33:45,639 --> 00:33:43,879

astonishing lift this also applies to

597

00:33:48,369 --> 00:33:45,649

other forms and shapes of secret

598

00:33:51,909 --> 00:33:48,379

aircraft such as round ones ball shaped

599

00:34:00,489 --> 00:33:51,919

ones disc shaped ones very long slim

600

00:34:02,229 --> 00:34:00,499

dark thin ones now by the way to ask

601
00:34:04,690 --> 00:34:02,239
questions later about any of this you've

602
00:34:07,599 --> 00:34:04,700
got a pen and piece of paper so write

603
00:34:17,260 --> 00:34:07,609
stuff down you can ask me later I may

604
00:34:19,680 --> 00:34:17,270
not know the answer yeah

605
00:34:23,559 --> 00:34:19,690
the question is is any of this

606
00:34:25,869 --> 00:34:23,569
technology garnered from other offworld

607
00:34:30,339 --> 00:34:25,879
technologies as bob lazar and others

608
00:34:33,430 --> 00:34:30,349
says it is to be honest the answer is

609
00:34:38,379 --> 00:34:33,440
not done but one thing is absolutely

610
00:34:41,470 --> 00:34:38,389
certain if we in just over a hundred

611
00:34:43,450 --> 00:34:41,480
years by the way my grandmother and

612
00:34:47,769 --> 00:34:43,460
mother in the y-values is hard to

613
00:34:51,700 --> 00:34:47,779

maintain so she's gone from the first

614

00:34:54,069 --> 00:34:51,710

flight ever to gravity free flight and

615

00:34:55,629 --> 00:34:54,079

if that's can happen in a hundred years

616

00:34:57,940 --> 00:34:55,639

what could an older more advanced

617

00:35:01,029 --> 00:34:57,950

civilization accomplish in another

618

00:35:04,839 --> 00:35:01,039

hundred years in a thousand years in the

619

00:35:08,289 --> 00:35:04,849

fifty thousand years of course evidence

620

00:35:09,970 --> 00:35:08,299

could be here of course they're good

621

00:35:14,380 --> 00:35:09,980

there's not the slightest sons you get

622

00:35:16,700 --> 00:35:14,390

down to about that nevertheless there is

623

00:35:19,170 --> 00:35:16,710

an assumption among the fishermen

624

00:35:21,750 --> 00:35:19,180

science and particularly scientists in

625

00:35:24,260 --> 00:35:21,760

general are not at all interested in

626

00:35:27,780 --> 00:35:24,270

UFOs I prefer to call them any of these

627

00:35:30,660 --> 00:35:27,790

extra earth vehicles and this is one of

628

00:35:32,340 --> 00:35:30,670

the terms that's used by NASA but there

629

00:35:35,730 --> 00:35:32,350

are scientists and then there are

630

00:35:43,260 --> 00:35:35,740

scientists engineering scientists such

631

00:35:45,720 --> 00:35:43,270

as those that Lockheed Martin skunk

632

00:35:48,210 --> 00:35:45,730

works they know all about anti-gravity

633

00:35:50,810 --> 00:35:48,220

technology how to use zero-point energy

634

00:35:55,100 --> 00:35:50,820

to overcome the accumulation of mass

635

00:36:00,000 --> 00:35:55,110

mass normally humans the faster you go

636

00:36:02,550 --> 00:36:00,010

but if you dissipate your mass then you

637

00:36:04,290 --> 00:36:02,560

can go faster the mind you have to turn

638

00:36:09,900 --> 00:36:04,300

it into what is known as a zero point

639

00:36:12,420 --> 00:36:09,910

energy but it's highly possible my

640

00:36:14,460 --> 00:36:12,430

experience is that scientists who ignore

641

00:36:18,870 --> 00:36:14,470

the UFO phenomenon completely are

642

00:36:21,480 --> 00:36:18,880

uninformed there are scientists believe

643

00:36:23,400 --> 00:36:21,490

you are running for you know very often

644

00:36:25,590 --> 00:36:23,410

you see on television when you get some

645

00:36:27,740 --> 00:36:25,600

guy who's being questioned about physics

646

00:36:32,130 --> 00:36:27,750

is a geologist what the hell's he know

647

00:36:33,450 --> 00:36:32,140

you know what he does but it's sort of

648

00:36:36,540 --> 00:36:33,460

the case because you've got the word

649

00:36:37,710 --> 00:36:36,550

scientist or PhD or masters written onto

650

00:36:40,260 --> 00:36:37,720

your name you supposed to know

651

00:36:42,600 --> 00:36:40,270

everything whether it comes they're

652

00:36:44,670 --> 00:36:42,610

specialists now if you don't question

653

00:36:48,660 --> 00:36:44,680

them about their specialization you're

654

00:36:50,130 --> 00:36:48,670

likely to get the wrong answers but my

655

00:36:51,870 --> 00:36:50,140

experience is that this is rarely the

656

00:36:54,000 --> 00:36:51,880

case of most scientists are interesting

657

00:36:55,079 --> 00:36:54,010

but skeptical of anything that was only

658

00:36:58,140 --> 00:36:55,089

circumstance

659

00:37:00,569 --> 00:36:58,150

and evidence or that might make them

660

00:37:05,849 --> 00:37:00,579

look off-piste to their peers and their

661

00:37:07,589 --> 00:37:05,859

lies the core of this entire UFO the

662

00:37:10,140 --> 00:37:07,599

truth is no matter what believers

663

00:37:12,029 --> 00:37:10,150

believe to be true that a low the

664

00:37:14,489 --> 00:37:12,039

accrued circumstantial evidence in a

665

00:37:18,809 --> 00:37:14,499

court of law would put anyone in prison

666

00:37:21,900 --> 00:37:18,819

for life it won't convince the ordinary

667

00:37:24,289 --> 00:37:21,910

scientific community in tiling until the

668

00:37:29,069 --> 00:37:24,299

evidence in the public domain is hard

669

00:37:31,890 --> 00:37:29,079

concrete unalloyed and positive which is

670

00:37:34,410 --> 00:37:31,900

abusive because they themselves often

671

00:37:37,279 --> 00:37:34,420

come to circumstance circumstantial

672

00:37:44,009 --> 00:37:37,289

decisions about very important stuff you

673

00:37:45,950 --> 00:37:44,019

know black energy dark energy etc all

674

00:37:49,620 --> 00:37:45,960

kinds of stuff which is sudden sunt you

675

00:37:58,229 --> 00:37:49,630

nobody can show number conclusion dark

676
00:38:02,489 --> 00:37:58,239
matter dark energy and dark matter not a

677
00:38:04,890 --> 00:38:02,499
circumstantial we all know the hard

678
00:38:06,539 --> 00:38:04,900
evidence of extra vehicles mainly exist

679
00:38:09,539 --> 00:38:06,549
in some military establishments

680
00:38:12,749 --> 00:38:09,549
somewhere but such evidence is not

681
00:38:16,200 --> 00:38:12,759
available to the average physicist so I

682
00:38:18,440 --> 00:38:16,210
speak to physicists and say to them are

683
00:38:21,749 --> 00:38:18,450
you aware that we might already have

684
00:38:24,539 --> 00:38:21,759
captured already captured technology

685
00:38:26,249 --> 00:38:24,549
from area sensitive we need this

686
00:38:30,499 --> 00:38:26,259
information from when you don't read

687
00:38:34,849 --> 00:38:30,509
enough you won't know unless you read

688
00:38:38,430 --> 00:38:34,859

but cosmologists are often focused on

689

00:38:40,289 --> 00:38:38,440

cosmology and nothing else and although

690

00:38:42,930 --> 00:38:40,299

there are certain specialists who are

691

00:38:44,989 --> 00:38:42,940

fully aware of such hard evidence they

692

00:38:46,810 --> 00:38:44,999

are deep into the cells under

693

00:38:51,190 --> 00:38:46,820

non-disclosure

694

00:38:53,140 --> 00:38:51,200

contracts there for less in my brief

695

00:38:55,420 --> 00:38:53,150

telephone conversations with scientists

696

00:38:57,810 --> 00:38:55,430

such as Rick Ram Singh who was once a

697

00:39:01,330 --> 00:38:57,820

card if you need is now Buckinghamshire

698

00:39:03,400 --> 00:39:01,340

or Brian Cox from Manchester uni or

699

00:39:05,260 --> 00:39:03,410

Stephen Hawking when he was alive and

700

00:39:07,900 --> 00:39:05,270

Roger Penrose who's a brilliant

701
00:39:10,150 --> 00:39:07,910
mathematician from Cambridge or which

702
00:39:12,430 --> 00:39:10,160
ikkaku New York I've spoken to a couple

703
00:39:14,860 --> 00:39:12,440
of time many other far less known

704
00:39:17,050 --> 00:39:14,870
physicists and cosmologists over a

705
00:39:19,720 --> 00:39:17,060
period of several years that is

706
00:39:21,400 --> 00:39:19,730
undoubtedly an emerging understanding of

707
00:39:24,520 --> 00:39:21,410
the technologies involved in

708
00:39:27,400 --> 00:39:24,530
anti-gravity machines plus the recent of

709
00:39:31,210 --> 00:39:27,410
almost unspoken realization that we are

710
00:39:36,700 --> 00:39:31,220
ensconce in some kind of a make-believe

711
00:39:42,010 --> 00:39:36,710
world yes the fact is ladies and

712
00:39:42,850 --> 00:39:42,020
gentlemen we live in a hologram or as

713
00:39:54,100 --> 00:39:42,860

nick bostrom

714

00:39:55,900 --> 00:39:54,110

would say a simulation you might say

715

00:39:57,640 --> 00:39:55,910

what's the difference what's the

716

00:40:02,170 --> 00:39:57,650

difference if I said through simulation

717

00:40:04,960 --> 00:40:02,180

and a hologram there is a difference the

718

00:40:07,650 --> 00:40:04,970

hologram is like a homonym deck on the

719

00:40:14,080 --> 00:40:11,170

but this hologram is being beamed from

720

00:40:25,980 --> 00:40:14,090

somewhere past the light barrier now you

721

00:40:32,170 --> 00:40:29,559

yeah it's being beamed from somewhere

722

00:40:34,319 --> 00:40:32,180

pass the light barrier that's kind of

723

00:40:37,210 --> 00:40:34,329

scary but it's true

724

00:40:39,880 --> 00:40:37,220

the light barrier is the very furthest

725

00:40:42,790 --> 00:40:39,890

it would be possible to see if we had

726

00:40:45,370 --> 00:40:42,800

large enough telescopes and it is the

727

00:40:48,750 --> 00:40:45,380

maximum distance of light has traveled

728

00:40:53,920 --> 00:40:48,760

towards us since the so-called Big Bang

729

00:40:57,790 --> 00:40:53,930

13.8 billion years ago and the current

730

00:40:59,530 --> 00:40:57,800

speed about 96,000 was a second but if

731

00:41:01,480 --> 00:40:59,540

you read my book you will realize that

732

00:41:05,980 --> 00:41:01,490

it may have been much faster in the past

733

00:41:07,960 --> 00:41:05,990

but this is all the history is based on

734

00:41:10,200 --> 00:41:07,970

the speed of light and if the speed of

735

00:41:14,079 --> 00:41:10,210

light is faster in the past it

736

00:41:18,630 --> 00:41:14,089

compresses history and this makes the

737

00:41:23,470 --> 00:41:21,579

it's it's generally referred to as the

738

00:41:27,430 --> 00:41:23,480

cosmological horizon that's where

739

00:41:29,559 --> 00:41:27,440

scientists the cosmological horizon the

740

00:41:32,530 --> 00:41:29,569

universe of course continues to be a

741

00:41:34,329 --> 00:41:32,540

beyond the library the white white

742

00:41:36,640 --> 00:41:34,339

barrier is only the distance that white

743

00:41:39,760 --> 00:41:36,650

has traveled since we are aware of the

744

00:41:41,410 --> 00:41:39,770

beginning of the universe but the

745

00:41:44,260 --> 00:41:41,420

universe continues beyond the light

746

00:41:47,589 --> 00:41:44,270

barrier and is expanding ever faster and

747

00:41:48,900 --> 00:41:47,599

ever faster nobody knows why for no

748

00:41:52,089 --> 00:41:48,910

known reason

749

00:41:54,670 --> 00:41:52,099

the culprit is thought to be dark energy

750

00:41:57,910 --> 00:41:54,680

which is like some kind of a ghost bully

751

00:41:59,520 --> 00:41:57,920

pushing the universe apart but again

752

00:42:01,329 --> 00:41:59,530

this is circumstantial

753

00:42:03,280 --> 00:42:01,339

you know they come up with

754

00:42:07,599 --> 00:42:03,290

circumstantial stuff just like you do

755

00:42:12,270 --> 00:42:07,609

and then they try to find excuses to

756

00:42:15,400 --> 00:42:12,280

make it for real just like we didn't but

757

00:42:16,839 --> 00:42:15,410

it is substantial nevertheless this is

758

00:42:18,900 --> 00:42:16,849

what is happening universe is expanding

759

00:42:28,410 --> 00:42:18,910

and

760

00:42:31,079 --> 00:42:28,420

the way which is very interesting is not

761

00:42:36,589 --> 00:42:31,089

affecting the solar system the stuff the

762

00:42:41,759 --> 00:42:39,200

universities also full of dark matter

763

00:42:44,160 --> 00:42:41,769

again it's substantially so they say

764

00:42:45,990 --> 00:42:44,170

when you look at the night sky many of

765

00:42:49,109 --> 00:42:46,000

the stars in fact the majority are not

766

00:42:51,900 --> 00:42:49,119

stars at all they are entire galaxies

767

00:42:55,890 --> 00:42:51,910

and these galaxies cosmologists no

768

00:42:58,819 --> 00:42:55,900

compact solid with dark matter there is

769

00:43:01,529 --> 00:42:58,829

more dark matter than there are stars

770

00:43:04,499 --> 00:43:01,539

but no one has the least idea what dark

771

00:43:08,190 --> 00:43:04,509

matter is and of course you can't see it

772

00:43:10,109 --> 00:43:08,200

because you dot the gaps between the

773

00:43:12,299 --> 00:43:10,119

stars and the galaxies are also not

774

00:43:15,390 --> 00:43:12,309

empty space there's no such thing by the

775

00:43:19,789 --> 00:43:15,400

way as a vacuum there's no such thing as

776

00:43:22,859 --> 00:43:19,799

empty space it is filled with particles

777

00:43:24,779 --> 00:43:22,869

and antiparticles which which are coming

778

00:43:28,410 --> 00:43:24,789

and going and destroying each other and

779

00:43:31,170 --> 00:43:28,420

being reborn in an insane master of

780

00:43:33,690 --> 00:43:31,180

activity like an unseen boiling soup and

781

00:43:36,420 --> 00:43:33,700

that implies in your laboratory -

782

00:43:38,700 --> 00:43:36,430

there's no such thing as taking out the

783

00:43:43,499 --> 00:43:38,710

air and so that you've got activate no

784

00:43:46,049 --> 00:43:43,509

vacuum you can Canadian Italian study

785

00:43:48,150 --> 00:43:46,059

has provided what researchers believed

786

00:43:51,690 --> 00:43:48,160

to be the first observational evidence

787

00:43:58,880 --> 00:43:51,700

and sided mathematical evidence that our

788

00:44:07,890 --> 00:44:00,539

- holographic

789

00:44:10,109 --> 00:44:07,900

to the gaps between stars and galaxies

790

00:44:13,259 --> 00:44:10,119

or an unlimited space there's no such

791

00:44:15,480 --> 00:44:13,269

thing as empty space as I just said and

792

00:44:17,630 --> 00:44:15,490

the UK Nutella study has provided what

793

00:44:20,430 --> 00:44:17,640

researchers believe to be the first

794

00:44:22,559 --> 00:44:20,440

observational evidence outside of

795

00:44:24,950 --> 00:44:22,569

mathematical evidence that our universe

796

00:44:28,160 --> 00:44:24,960

is a vast and complex

797

00:44:30,020 --> 00:44:28,170

holographic no laughing principle

798

00:44:32,540 --> 00:44:30,030

suggests that what we all experience

799

00:44:36,440 --> 00:44:32,550

every day in three dimensions may really

800

00:44:39,460 --> 00:44:36,450

be information on the surface located at

801

00:44:41,840 --> 00:44:39,470

the farthest reaches of that cosmos

802

00:44:44,870 --> 00:44:41,850

so it's possible that our lives are

803

00:44:48,850 --> 00:44:44,880

really just acting out a painting if you

804

00:44:53,720 --> 00:44:48,860

like the largest campus in the universe

805

00:44:58,760 --> 00:44:53,730

you're the game show guys being watched

806

00:44:59,920 --> 00:44:58,770

by something or someone theoretical

807

00:45:02,000 --> 00:44:59,930

physicists and cosmologists

808

00:45:03,470 --> 00:45:02,010

investigating the regularities in the

809

00:45:05,960 --> 00:45:03,480

Cosmic Microwave Background

810

00:45:09,740 --> 00:45:05,970

has three degrees Kelvin afterglow of

811

00:45:11,390 --> 00:45:09,750

the Big Bang have found that there is

812

00:45:13,690 --> 00:45:11,400

substantial evidence supporting the

813

00:45:17,090 --> 00:45:13,700

holographic explanation for the universe

814

00:45:19,940 --> 00:45:17,100

in fact the holographic principle shows

815

00:45:22,100 --> 00:45:19,950

as much or even better an explanation as

816

00:45:24,650 --> 00:45:22,110

they currently is for the traditional

817

00:45:27,020 --> 00:45:24,660

standard explanation of universality

818

00:45:29,480 --> 00:45:27,030

regularities using the standard theory

819

00:45:32,090 --> 00:45:29,490

of cosmic inflation which of course is

820

00:45:34,340 --> 00:45:32,100

the assumed inflation microseconds after

821

00:45:37,100 --> 00:45:34,350

the Big Bang then thrust the universe

822

00:45:40,030 --> 00:45:37,110

upwards at a speed faster than not speed

823

00:45:42,230 --> 00:45:40,040

and that's another interesting thing

824

00:45:44,450 --> 00:45:42,240

Einstein's theories energy equals mass

825

00:45:48,470 --> 00:45:44,460

at the speed of light squared sense as

826

00:45:51,200 --> 00:45:48,480

though nothing is faster than light the

827

00:45:56,540 --> 00:45:51,210

universe expanding faster than light how

828

00:46:02,630 --> 00:45:58,550

and since the Big Bang it's been

829

00:46:05,180 --> 00:46:02,640

expanding far to the light but the math

830

00:46:07,850 --> 00:46:05,190

says you cannot travel faster than light

831

00:46:19,010 --> 00:46:07,860

because the mass is so great that speed

832

00:46:20,450 --> 00:46:19,020

that you're basically standing still the

833

00:46:22,490 --> 00:46:20,460

researchers from the University of

834

00:46:28,220 --> 00:46:22,500

Southampton and a Waterloo in Canada

835

00:46:30,680 --> 00:46:28,230

also in decade Italy and the University

836

00:46:32,030 --> 00:46:30,690

of Santo in Italy have recently

837

00:46:34,550 --> 00:46:32,040

published their findings in the journal

838

00:46:40,280 --> 00:46:34,560

Physical Review Letters which is a

839

00:46:41,810 --> 00:46:40,290

peer-reviewed journal high-calibre the

840

00:46:44,300 --> 00:46:41,820

peer reviewing them which is legend

841

00:46:46,580 --> 00:46:44,310

allegedly and their conclusion something

842

00:46:49,040 --> 00:46:46,590

peer reviewed to enter into the grave

843

00:46:52,160 --> 00:46:49,050

and there is no doubt to the universal

844

00:46:54,950 --> 00:46:52,170

concurrence exists that the math matches

845

00:47:01,040 --> 00:46:54,960

the observations and we live in a

846

00:47:07,910 --> 00:47:01,050

hologram and this is how the Guardian

847

00:47:09,710 --> 00:47:07,920

describes understanding the Guardian

848

00:47:12,500 --> 00:47:09,720

says a hologram is a flat

849

00:47:15,170 --> 00:47:12,510

two-dimensional surface that when viewed

850

00:47:17,450 --> 00:47:15,180

appears to have a third dimension in

851
00:47:20,090 --> 00:47:17,460
other words it gives the illusion of

852
00:47:22,040 --> 00:47:20,100
having depth the holographic principle

853
00:47:24,710 --> 00:47:22,050
suggests that the contents of the

854
00:47:27,350 --> 00:47:24,720
universe originated as mathematics

855
00:47:29,810 --> 00:47:27,360
encoded on the boundary surrounding the

856
00:47:32,720 --> 00:47:29,820
entire cosmos if you're struggling to

857
00:47:36,040 --> 00:47:32,730
picture that just relax because society

858
00:47:38,240 --> 00:47:36,050
is caught in vicious in either they come

859
00:47:39,380 --> 00:47:38,250
you could do the maths all these things

860
00:47:41,930 --> 00:47:39,390
but then you've got to try and picture

861
00:47:43,480 --> 00:47:41,940
it not so easy they just know it works

862
00:47:45,920 --> 00:47:43,490
mathematical

863
00:47:47,690 --> 00:47:45,930

scientists like this approach because it

864

00:47:51,700 --> 00:47:47,700

could help solve one of the biggest

865

00:47:54,130 --> 00:47:51,710

puzzles in physics how gravity works on

866

00:47:56,620 --> 00:47:54,140

these small scales without this

867

00:47:59,319 --> 00:47:56,630

businessman struggle to understand what

868

00:48:01,270 --> 00:47:59,329

happens inside but I call him or what

869

00:48:03,730 --> 00:48:01,280

happens at the moment the universe came

870

00:48:06,040 --> 00:48:03,740

into existence according to previous

871

00:48:09,099 --> 00:48:06,050

theories when matter falls into a black

872

00:48:11,319 --> 00:48:09,109

hole it is crushed out of existence but

873

00:48:13,299 --> 00:48:11,329

how can something to Spanish it

874

00:48:16,900 --> 00:48:13,309

contradicts the principle that matter

875

00:48:18,880 --> 00:48:16,910

can neither be created nor destroyed you

876

00:48:21,400 --> 00:48:18,890

can take this table and do what you like

877

00:48:23,440 --> 00:48:21,410

with it or you can burn it you can do

878

00:48:27,190 --> 00:48:23,450

anything you like with it but the matter

879

00:48:32,710 --> 00:48:27,200

remains in the universe the ash exactly

880

00:48:34,150 --> 00:48:32,720

the same you cannot destroy matter so

881

00:48:35,829 --> 00:48:34,160

the information contained in the matter

882

00:48:38,109 --> 00:48:35,839

is smeared across the black hole's

883

00:48:40,660 --> 00:48:38,119

boundary that's how that's what happens

884

00:48:42,280 --> 00:48:40,670

when stuff disappears into the

885

00:48:44,890 --> 00:48:42,290

theoretical view a black hole it's

886

00:48:46,930 --> 00:48:44,900

spread across the boundary and again no

887

00:48:49,569 --> 00:48:46,940

one knows what this means of reality it

888

00:48:51,640 --> 00:48:49,579

just gets the sun's right but these

889

00:48:53,500 --> 00:48:51,650

latest results apply the holographic

890

00:48:55,569 --> 00:48:53,510

principle so the origin of the universe

891

00:48:57,579 --> 00:48:55,579

and scientists have found them

892

00:49:00,940 --> 00:48:57,589

mathematically the holographic principle

893

00:49:02,680 --> 00:49:00,950

works and there - now they have to

894

00:49:04,780 --> 00:49:02,690

figure out what that could mean for an

895

00:49:06,700 --> 00:49:04,790

understanding of the universe perhaps

896

00:49:11,370 --> 00:49:06,710

the simplest answer is that it is a

897

00:49:14,829 --> 00:49:11,380

giant panda mentioning cinema after all

898

00:49:17,680 --> 00:49:14,839

the simulation argument differs somewhat

899

00:49:20,380 --> 00:49:17,690

from the technical hologram argument in

900

00:49:22,660 --> 00:49:20,390

an assimilation argument as presumed by

901
00:49:24,549 --> 00:49:22,670
the Swedish philosopher that Oxford Nick

902
00:49:28,720 --> 00:49:24,559
Bostrom who I've spoken to a few times

903
00:49:31,420 --> 00:49:28,730
or tonascar assumes three criteria all

904
00:49:34,120 --> 00:49:31,430
decisions lead to an assumption that we

905
00:49:36,999 --> 00:49:34,130
must already be in a computer

906
00:49:43,480 --> 00:49:37,009
halation this theory is now reinforced

907
00:49:47,650 --> 00:49:43,490
by the hologram principle in the

908
00:49:49,839 --> 00:49:47,660
computer good somebody's computer and

909
00:49:55,029 --> 00:49:49,849
you've been watched you looked at you

910
00:49:57,900 --> 00:49:55,039
being the fires the cattle mutilations

911
00:50:00,009 --> 00:49:57,910
that they're all part of this game

912
00:50:03,249 --> 00:50:00,019
holographic universe was first suggested

913
00:50:05,230 --> 00:50:03,259

in the 1990s and is one where all the

914

00:50:07,900 --> 00:50:05,240

information which makes up our 3d

915

00:50:10,769 --> 00:50:07,910

reality plus the addition of time of

916

00:50:12,519 --> 00:50:10,779

course is contained on or in a

917

00:50:14,799 --> 00:50:12,529

two-dimensional service on its

918

00:50:16,660 --> 00:50:14,809

boundaries that is on the boundaries of

919

00:50:19,660 --> 00:50:16,670

the universe which are actually out of

920

00:50:22,150 --> 00:50:19,670

sight behind the light barrier where

921

00:50:25,029 --> 00:50:22,160

then an Susskind says the universe is a

922

00:50:33,849 --> 00:50:25,039

thousand times bigger than the one we

923

00:50:34,390 --> 00:50:33,859

can see it's already imagined them if

924

00:50:37,029 --> 00:50:34,400

you can

925

00:50:39,249 --> 00:50:37,039

everything you see feel and hear in

926
00:50:42,160 --> 00:50:39,259
three dimensions including your

927
00:50:46,150 --> 00:50:42,170
perception of time emanates in fact from

928
00:50:48,609 --> 00:50:46,160
a flat two-dimensional field the concept

929
00:50:49,809 --> 00:50:48,619
of which is similar to watching a film

930
00:50:52,539 --> 00:50:49,819
watching a film

931
00:50:54,849 --> 00:50:52,549
which of course represents life in three

932
00:50:58,120 --> 00:50:54,859
dimensions but he's actually being shown

933
00:51:00,160 --> 00:50:58,130
on the flat screen in two dimensions but

934
00:51:03,819 --> 00:51:00,170
your brain your mind gives in three

935
00:51:05,529 --> 00:51:03,829
dimensions the idea is very similar to

936
00:51:07,690 --> 00:51:05,539
that of a hologram where our three

937
00:51:10,269 --> 00:51:07,700
dimensional images encoded in a

938
00:51:14,230 --> 00:51:10,279

two-dimensional surface such as in the

939

00:51:15,910 --> 00:51:14,240

hologram on your credit card however

940

00:51:19,150 --> 00:51:15,920

this time the current thinking is an

941

00:51:23,380 --> 00:51:19,160

entire universe is encoded with you in

942

00:51:26,079 --> 00:51:23,390

it when watching a film in the cinema

943

00:51:28,009 --> 00:51:26,089

your mind automatically connection to

944

00:51:30,859 --> 00:51:28,019

the three

945

00:51:34,400 --> 00:51:30,869

doesn't we see the pictures is having

946

00:51:36,440 --> 00:51:34,410

height with a crucial depth the

947

00:51:38,900 --> 00:51:36,450

difference in our 3d universities that

948

00:51:43,370 --> 00:51:38,910

we can touch projects and the projection

949

00:51:46,430 --> 00:51:43,380

is real from that perspective yet we all

950

00:51:49,400 --> 00:51:46,440

know that what we are really touching is

951
00:51:53,150 --> 00:51:49,410
a whole bunch of air connected by

952
00:51:56,890 --> 00:51:53,160
particles the combination creates energy

953
00:51:59,390 --> 00:51:56,900
containing a lot more air than particles

954
00:52:03,319 --> 00:51:59,400
particles acting in a certain way make

955
00:52:07,130 --> 00:52:03,329
wooden the table others in a different

956
00:52:14,480 --> 00:52:07,140
motion are steel or plastic they're all

957
00:52:16,130 --> 00:52:14,490
particles mostly air we all know that

958
00:52:18,950 --> 00:52:16,140
energy equals mass at the speed of light

959
00:52:21,170 --> 00:52:18,960
squared of the most basic level the

960
00:52:24,769 --> 00:52:21,180
equation explains that energy and mass

961
00:52:27,190 --> 00:52:24,779
or matter are interchangeable in your

962
00:52:31,309 --> 00:52:27,200
table in front of you energy is trapped

963
00:52:37,180 --> 00:52:31,319

in the vibrations of the wood if the

964

00:52:45,620 --> 00:52:43,670

and vice versa the energy of the light

965

00:52:50,049 --> 00:52:45,630

from your torch is the same as the

966

00:52:51,859 --> 00:52:50,059

energy in an apple its energy for energy

967

00:52:57,410 --> 00:52:51,869

everything is composed of energy

968

00:52:58,759 --> 00:52:57,420

everything this you before these

969

00:53:00,920 --> 00:52:58,769

energies are sent throughout the

970

00:53:04,210 --> 00:53:00,930

universe and is now realized that this

971

00:53:11,710 --> 00:53:04,220

energy is contained within a hologram

972

00:53:14,539 --> 00:53:11,720

God's hologram if you like so there's a

973

00:53:17,089 --> 00:53:14,549

moment of assimilation argument which is

974

00:53:23,140 --> 00:53:17,099

very similar but different subtly

975

00:53:29,350 --> 00:53:26,950

Nick Bostrom from Oxford science has

976
00:53:31,690 --> 00:53:29,360
revealed much about the world and our

977
00:53:34,150 --> 00:53:31,700
position within it generally the

978
00:53:36,220 --> 00:53:34,160
findings have been humbling the earth is

979
00:53:38,860 --> 00:53:36,230
not the center of the universe our

980
00:53:41,350 --> 00:53:38,870
species descended from groups we have

981
00:53:45,150 --> 00:53:41,360
made the same stuff as month we are

982
00:53:47,170 --> 00:53:45,160
moved by numerous physical signals and

983
00:53:49,050 --> 00:53:47,180
subject to a variety of biological

984
00:53:51,850 --> 00:53:49,060
psychological and sociological

985
00:53:55,390 --> 00:53:51,860
influences which we have very limited

986
00:53:57,520 --> 00:53:55,400
control and little understanding one of

987
00:54:00,100 --> 00:53:57,530
our remaining sources of pride is

988
00:54:03,160 --> 00:54:00,110

technological progress like the pipes

989

00:54:04,870 --> 00:54:03,170

that over time create coral the many

990

00:54:06,790 --> 00:54:04,880

generations of humans that have come

991

00:54:09,670 --> 00:54:06,800

before us have built up a vast

992

00:54:12,490 --> 00:54:09,680

technological infrastructure a habitat

993

00:54:14,830 --> 00:54:12,500

is now largely one of human making the

994

00:54:17,680 --> 00:54:14,840

fact of technological progress is also

995

00:54:19,510 --> 00:54:17,690

in a sense humbling it suggests that the

996

00:54:22,390 --> 00:54:19,520

most advanced technology we have today

997

00:54:24,490 --> 00:54:22,400

is extremely limited and primitive

998

00:54:28,600 --> 00:54:24,500

compared with what our descendants will

999

00:54:31,030 --> 00:54:28,610

have if we extrapolate these expected

1000

00:54:33,280 --> 00:54:31,040

technological advances and think through

1001

00:54:35,290 --> 00:54:33,290

some of their logical implications we

1002

00:54:38,200 --> 00:54:35,300

arrive at another humbling conclusion

1003

00:54:40,360 --> 00:54:38,210

the simulation argument which is caused

1004

00:54:40,930 --> 00:54:40,370

some stir since I published it three

1005

00:54:43,090 --> 00:54:40,940

years ago

1006

00:54:45,790 --> 00:54:43,100

the formal version of the argument

1007

00:54:50,010 --> 00:54:45,800

requires some probability theory we

1008

00:54:56,160 --> 00:54:54,040

whether it's probable but the underlying

1009

00:54:58,590 --> 00:54:56,170

idea can be grasped without mathematics

1010

00:55:01,900 --> 00:54:58,600

it starts with the assumption that

1011

00:55:04,630 --> 00:55:01,910

future civilizations will have enough

1012

00:55:07,500 --> 00:55:04,640

computing power and programming skills

1013

00:55:10,870 --> 00:55:07,510

to be able to create what I call

1014

00:55:13,440 --> 00:55:10,880

ancestor simulations these would be

1015

00:55:16,300 --> 00:55:13,450

detailed simulations of the simulators

1016

00:55:18,970 --> 00:55:16,310

predecessors detailed enough for the

1017

00:55:21,640 --> 00:55:18,980

simulated miners to be conscious and

1018

00:55:24,400 --> 00:55:21,650

have the same kinds of experience we

1019

00:55:26,620 --> 00:55:24,410

have think of an ancestor si

1020

00:55:29,230 --> 00:55:26,630

it's a very realistic virtual reality

1021

00:55:31,990 --> 00:55:29,240

environment but one with the brains and

1022

00:55:34,650 --> 00:55:32,000

habit in the world are themselves part

1023

00:55:37,150 --> 00:55:34,660

of the simulation the simulation

1024

00:55:39,160 --> 00:55:37,160

argument makes no assumptions about how

1025

00:55:41,349 --> 00:55:39,170

long it will take to develop the

1026

00:55:44,109 --> 00:55:41,359

capacity subject something's wrong you

1027

00:55:47,410 --> 00:55:44,119

think it will happen within the next 50

1028

00:55:49,299 --> 00:55:47,420

years but even if it takes 10 million

1029

00:55:51,700 --> 00:55:49,309

years it makes no difference to the

1030

00:55:53,829 --> 00:55:51,710

argument let me state what the

1031

00:55:55,690 --> 00:55:53,839

conclusions of the argument are the

1032

00:55:58,180 --> 00:55:55,700

conclusion is that at least one of the

1033

00:56:03,370 --> 00:55:58,190

following three propositions must be

1034

00:56:05,470 --> 00:56:03,380

true almost all civilizations at our

1035

00:56:07,809 --> 00:56:05,480

level of development become extinct

1036

00:56:10,690 --> 00:56:07,819

before becoming technologically mature

1037

00:56:14,769 --> 00:56:10,700

that's one possibility and in our case

1038

00:56:16,470 --> 00:56:14,779

it is an extreme possibility the

1039

00:56:18,519 --> 00:56:16,480

fraction of technologically mature

1040

00:56:21,309 --> 00:56:18,529

civilizations that are interested in

1041

00:56:24,460 --> 00:56:21,319

creating ancestor simulations is almost

1042

00:56:27,730 --> 00:56:24,470

zero that would appear to be extremely

1043

00:56:30,370 --> 00:56:27,740

unlikely you are almost certainly living

1044

00:56:33,069 --> 00:56:30,380

in a computer simulation that is his

1045

00:56:35,349 --> 00:56:33,079

conclusion how do we reach this

1046

00:56:38,380 --> 00:56:35,359

conclusion suppose first then the first

1047

00:56:40,299 --> 00:56:38,390

proposition is false then a significant

1048

00:56:42,339 --> 00:56:40,309

fraction of civilizations at our level

1049

00:56:45,249 --> 00:56:42,349

of development eventually become

1050

00:56:47,499 --> 00:56:45,259

technologically mature suppose to that

1051
00:56:49,029 --> 00:56:47,509
the second proposition is false then a

1052
00:56:54,120 --> 00:56:49,039
significant fraction of these

1053
00:56:57,430 --> 00:56:54,130
civilizations runs ancestor simulations

1054
00:57:01,930 --> 00:56:57,440
if both 1 & 2 are true then there will

1055
00:57:03,789 --> 00:57:01,940
be simulated minds like ours now it

1056
00:57:05,289 --> 00:57:03,799
continues in this vein for quite a long

1057
00:57:08,289 --> 00:57:05,299
time I don't have a pointer but

1058
00:57:12,519 --> 00:57:08,299
basically what you say is that the

1059
00:57:14,920 --> 00:57:12,529
holographic principle may not just be a

1060
00:57:17,109 --> 00:57:14,930
mathematical conclusion arrived at

1061
00:57:21,480 --> 00:57:17,119
because we have found out how the math

1062
00:57:24,730 --> 00:57:21,490
works in my cause

1063
00:57:27,790 --> 00:57:24,740

which leads to the understanding that we

1064

00:57:30,250 --> 00:57:27,800

are a hologram but that this hologram if

1065

00:57:34,990 --> 00:57:30,260

you like is already simulated in a

1066

00:57:39,100 --> 00:57:35,000

computer somewhere computers improve

1067

00:57:43,630 --> 00:57:39,110

their technology by about 80 to 90

1068

00:57:55,540 --> 00:57:43,640

percent every two years but within 50

1069

00:57:59,260 --> 00:57:55,550

years we will have computers that's

1070

00:58:04,330 --> 00:57:59,270

that's view on the fact that we might

1071

00:58:10,300 --> 00:58:04,340

live in a society if you like or one

1072

00:58:12,640 --> 00:58:10,310

which is inside computer you see what

1073

00:58:21,520 --> 00:58:12,650

scientists won't directly tell you I

1074

00:58:23,710 --> 00:58:21,530

never do is that they won't say that so

1075

00:58:25,330 --> 00:58:23,720

many words anyway but they always need

1076

00:58:26,980 --> 00:58:25,340

to make its likelihood but once I've

1077

00:58:30,430 --> 00:58:26,990

spoken to that intimated it's likely

1078

00:58:33,190 --> 00:58:30,440

that if that is the case that is the

1079

00:58:40,660 --> 00:58:33,200

case and it appears to be desperately

1080

00:58:41,290 --> 00:58:40,670

the case you ain't really your line nor

1081

00:58:43,960 --> 00:58:41,300

are they

1082

00:58:46,150 --> 00:58:43,970

Nords any things you see around you or

1083

00:58:48,910 --> 00:58:46,160

anything you touch including any things

1084

00:58:51,070 --> 00:58:48,920

you believe in your minor and that is

1085

00:58:53,830 --> 00:58:51,080

probably why such anomalies as fires in

1086

00:58:55,300 --> 00:58:53,840

the village disappearing people and

1087

00:58:56,740 --> 00:58:55,310

animals and a host of other stuff

1088

00:58:59,980 --> 00:58:56,750

including where you're watching them

1089

00:59:02,470 --> 00:58:59,990

burst suddenly appear from you know when

1090

00:59:14,260 --> 00:59:02,480

you already look 50 times in that exact

1091

00:59:16,090 --> 00:59:14,270

spot and then suddenly does you know how

1092

00:59:17,770 --> 00:59:16,100

do you regard for example consist I

1093

00:59:20,920 --> 00:59:17,780

interviewed here again advantages of

1094

00:59:24,350 --> 00:59:20,930

German ancestry and I gave him a fork a

1095

00:59:27,860 --> 00:59:24,360

heavy for compliance courthouse and

1096

00:59:30,050 --> 00:59:27,870

10,000 for exploring and he didn't even

1097

00:59:31,160 --> 00:59:30,060

pick it up he didn't even touch it

1098

00:59:37,640 --> 00:59:31,170

[Music]

1099

00:59:39,710 --> 00:59:37,650

I thought I couldn't get money to do

1100

00:59:42,230 --> 00:59:39,720

anything to write a story but you didn't

1101

00:59:58,370 --> 00:59:42,240

want to know I was working for The

1102

01:00:06,550 --> 00:59:58,380

Burning Man but you see what's important

1103

01:00:12,620 --> 01:00:10,070

are they can be somehow been the matter

1104

01:00:16,100 --> 01:00:12,630

in the hologram are they taken the

1105

01:00:18,590 --> 01:00:16,110

hologram and affecting the hologram in

1106

01:00:23,270 --> 01:00:18,600

some weather distorting the picture that

1107

01:00:26,470 --> 01:00:23,280

we normally see don't you ever watch

1108

01:00:32,930 --> 01:00:26,480

these a wonderfully sponsee New York

1109

01:00:36,410 --> 01:00:32,940

Russian job but that is a very similar

1110

01:00:38,560 --> 01:00:36,420

story about how someone is using the

1111

01:00:42,170 --> 01:00:38,570

hologram to affect the external world

1112

01:00:48,050 --> 01:00:42,180

the world outside go ahead the only

1113

01:00:48,400 --> 01:00:48,060

access out there nobody knows what's out

1114

01:00:50,810 --> 01:00:48,410

there

1115

01:00:53,300 --> 01:00:50,820

well the hologram deck of the Starship

1116

01:00:55,130 --> 01:00:53,310

Enterprise the crew can interact with

1117

01:00:57,680 --> 01:00:55,140

the hologram as if the hologram were

1118

01:01:00,530 --> 01:00:57,690

entirely real people acting the way real

1119

01:01:02,740 --> 01:01:00,540

people do they could also walk off the

1120

01:01:05,750 --> 01:01:02,750

deck and disappear from the scenario

1121

01:01:10,880 --> 01:01:05,760

exactly like a UFO disappears in plain

1122

01:01:12,860 --> 01:01:10,890

sight from how a hologram the UFO may

1123

01:01:17,150 --> 01:01:12,870

not actually be clothing the accepted

1124

01:01:20,150 --> 01:01:17,160

terminology of Harry Potter he simply

1125

01:01:23,180 --> 01:01:20,160

found a way to walk or fly off the

1126
01:01:26,590 --> 01:01:23,190
holographic scent perhaps into another

1127
01:01:28,069 --> 01:01:26,600
Allah grammar or another universe I

1128
01:01:32,719 --> 01:01:28,079
think

1129
01:01:34,670 --> 01:01:32,729
same thing it might also explain the not

1130
01:01:38,329 --> 01:01:34,680
yet understood way in which states UFOs

1131
01:01:41,239 --> 01:01:38,339
or Easy's interact with us talk to us in

1132
01:01:42,739 --> 01:01:41,249
their minds and so on maybe there are

1133
01:01:45,229 --> 01:01:42,749
interesting the hologram when they want

1134
01:01:47,479 --> 01:01:45,239
to and leaving when they want to and

1135
01:01:50,259 --> 01:01:47,489
even more the army may be the hologram

1136
01:01:52,849 --> 01:01:50,269
does not extend to the entire universe

1137
01:01:55,269 --> 01:01:52,859
this was suggested by the alien costume

1138
01:01:58,489 --> 01:01:55,279

a couple of weeks ago in this birthday

1139

01:02:01,819 --> 01:01:58,499

maybe does not leave time with us but

1140

01:02:05,269 --> 01:02:01,829

only the solar system and the stars are

1141

01:02:06,459 --> 01:02:05,279

simply backdrops a stage set I put up

1142

01:02:13,549 --> 01:02:06,469

job

1143

01:02:15,949 --> 01:02:13,559

Truman Show I've said here at yeah I'm

1144

01:02:17,120 --> 01:02:15,959

going to quite a bit for my book but

1145

01:02:20,809 --> 01:02:17,130

I'll tell you something but she's very

1146

01:02:23,479 --> 01:02:20,819

interesting as a team at the University

1147

01:02:29,180 --> 01:02:23,489

in Bristol in the UK led by Uncle Ben

1148

01:02:31,789 --> 01:02:29,190

lung and lung has recently related to

1149

01:02:35,539 --> 01:02:31,799

add a sense of touch to what the tea

1150

01:02:37,849 --> 01:02:35,549

core haptic Holograms as well as sight

1151

01:02:40,400 --> 01:02:37,859

and sound the team using very high

1152

01:02:43,910 --> 01:02:40,410

frequency sound waves above human

1153

01:02:46,459 --> 01:02:43,920

hearing can project a 3d image which

1154

01:02:51,410 --> 01:02:46,469

anyone could touch and it will feel

1155

01:02:54,799 --> 01:02:51,420

entirely real telling story now but this

1156

01:02:56,780 --> 01:02:54,809

is a friend of mine from London the size

1157

01:03:02,660 --> 01:02:56,790

Jonas

1158

01:03:07,220 --> 01:03:02,670

Suns children who went to see Colin went

1159

01:03:14,120 --> 01:03:07,230

to see Colin virus in Bristol and he was

1160

01:03:16,790 --> 01:03:14,130

on the phone and he said Colin asked me

1161

01:03:18,830 --> 01:03:16,800

into this out of Road and I sat down and

1162

01:03:24,260 --> 01:03:18,840

some girl came in and said you won't be

1163

01:03:29,300 --> 01:03:24,270

long and in the corner was his dog and

1164

01:03:31,820 --> 01:03:29,310

I'll say she's Doug and I just like

1165

01:03:35,150 --> 01:03:31,830

thoughts so he sort of looked at the dog

1166

01:03:38,270 --> 01:03:35,160

call the dog the dog walked out - and he

1167

01:03:40,970 --> 01:03:38,280

was struggling to talk and talking as

1168

01:03:59,810 --> 01:03:40,980

you do to the doll for about 10-15

1169

01:04:03,650 --> 01:03:59,820

minutes and then magically and the don't

1170

01:04:06,380 --> 01:04:03,660

disappear Colleen had been touching the

1171

01:04:09,470 --> 01:04:06,390

dog we've been stroking the dog he'd

1172

01:04:12,830 --> 01:04:09,480

been talking to the dog toggles on the

1173

01:04:15,590 --> 01:04:12,840

ground they call haptic Holograms you

1174

01:04:21,200 --> 01:04:15,600

can touch them they're real we can

1175

01:04:22,820 --> 01:04:21,210

already do this so Sebastian cuts of

1176

01:04:25,280 --> 01:04:22,830

virtual reality developers in Paris

1177

01:04:27,920 --> 01:04:25,290

sponsors said without haptics

1178

01:04:29,690 --> 01:04:27,930

it's called optical run without haptics

1179

01:04:33,230 --> 01:04:29,700

it's like you're in a training and you

1180

01:04:35,980 --> 01:04:33,240

cannot feel environment if you look at

1181

01:04:39,440 --> 01:04:35,990

it but you don't have any feedback then

1182

01:04:41,720 --> 01:04:39,450

it's not really a hologram but they had

1183

01:04:45,770 --> 01:04:41,730

solved this in Bristol and presumably

1184

01:04:47,330 --> 01:04:45,780

elsewhere fascinating isn't it

1185

01:04:49,640 --> 01:04:47,340

it's really fascinating because

1186

01:04:51,890 --> 01:04:49,650

obviously some of you wanna go it was

1187

01:04:55,600 --> 01:04:51,900

trying to tell me that they used haptic

1188

01:04:58,280 --> 01:04:55,610

holograms on 911 and I said

1189

01:05:02,360 --> 01:04:58,290

he said I'm telling you and I'm telling

1190

01:05:06,890 --> 01:05:02,370

you that they often flew into the

1191

01:05:11,080 --> 01:05:06,900

building or the ground below me but I'm

1192

01:05:18,590 --> 01:05:16,130

college anyway and seven thousand years

1193

01:05:21,230 --> 01:05:18,600

or several hundred thousand years of

1194

01:05:22,670 --> 01:05:21,240

progress to the above understanding that

1195

01:05:24,770 --> 01:05:22,680

we have right now of haptic on the

1196

01:05:28,220 --> 01:05:24,780

grounds and tell yourself that you

1197

01:05:30,200 --> 01:05:28,230

cannot possibly be in a hologram the

1198

01:05:31,940 --> 01:05:30,210

above work by bedrock makes it clear

1199

01:05:35,690 --> 01:05:31,950

that we may be in someone else's

1200

01:05:37,880 --> 01:05:35,700

hologram Freeman Dyson the famous

1201
01:05:40,100 --> 01:05:37,890
British poet American physicist and one

1202
01:05:41,990 --> 01:05:40,110
of the few mainstream scientists brave

1203
01:05:43,970 --> 01:05:42,000
enough to publicly give serious

1204
01:05:45,950 --> 01:05:43,980
consideration to the possibility that

1205
01:05:49,370 --> 01:05:45,960
alien species have entered the solar

1206
01:05:50,860 --> 01:05:49,380
system has long made clear that the more

1207
01:05:53,540 --> 01:05:50,870
I understand about the so-called

1208
01:05:55,790 --> 01:05:53,550
accidents of the physics of the universe

1209
01:05:59,960 --> 01:05:55,800
the more it seems the universe knew we

1210
01:06:02,000 --> 01:05:59,970
would come in the scientific field what

1211
01:06:04,430 --> 01:06:02,010
is currently called ancestor simulation

1212
01:06:07,040 --> 01:06:04,440
argument or the virtual reality called

1213
01:06:09,080 --> 01:06:07,050

the graphic universe would normally need

1214

01:06:09,320 --> 01:06:09,090

probability theory record he said about

1215

01:06:14,750 --> 01:06:09,330

that

1216

01:06:16,940 --> 01:06:14,760

moment or we don't need long obscure

1217

01:06:19,910 --> 01:06:16,950

words or mathematics the point is that

1218

01:06:23,090 --> 01:06:19,920

an advanced alien race could easily

1219

01:06:27,770 --> 01:06:23,100

produce an ongoing haptic type hologram

1220

01:06:36,310 --> 01:06:27,780

world inside a quantum computer and you

1221

01:06:45,200 --> 01:06:39,170

it's just opposite you guys would go

1222

01:06:47,120 --> 01:06:45,210

from thing one more bait yeah

1223

01:06:49,280 --> 01:06:47,130

Professor Peter Dunstan a physics

1224

01:06:51,890 --> 01:06:49,290

teacher at Swansea as told me that there

1225

01:06:54,250 --> 01:06:51,900

may be several for multiple Holograms or

1226

01:06:56,350 --> 01:06:54,260

Holograms and accidentally cross

1227

01:06:59,140 --> 01:06:56,360

from one to another might occasionally

1228

01:07:00,730 --> 01:06:59,150

take place heads possibly explaining

1229

01:07:04,240 --> 01:07:00,740

some opportunity Goods very believable

1230

01:07:07,720 --> 01:07:04,250

Close Encounters or shadowed people what

1231

01:07:10,810 --> 01:07:07,730

a shadowy or ghosts time slips or any

1232

01:07:16,750 --> 01:07:10,820

number of unusual and not understood

1233

01:07:20,070 --> 01:07:16,760

animals you don't have to be 100 you

1234

01:07:26,230 --> 01:07:20,080

could be in or look at different you

1235

01:07:27,760 --> 01:07:26,240

which tell you the following conclusion

1236

01:07:30,730 --> 01:07:27,770

based on the thinking of the Soviet

1237

01:07:32,440 --> 01:07:30,740

cosmologists Nikolai Karlovic and

1238

01:07:34,600 --> 01:07:32,450

Freeman Dyson and other well-known

1239

01:07:36,580 --> 01:07:34,610

cosmologists are physicists is that all

1240

01:07:38,920 --> 01:07:36,590

advancing into civilizations and their

1241

01:07:41,680 --> 01:07:38,930

various attempts to move from one type

1242

01:07:43,030 --> 01:07:41,690

one civilization to a type two will

1243

01:07:45,160 --> 01:07:43,040

either have committed heavy carry

1244

01:07:47,710 --> 01:07:45,170

because of their weapons technology such

1245

01:07:49,870 --> 01:07:47,720

as nuclear microbots cyber biological or

1246

01:07:52,540 --> 01:07:49,880

even controlling the weather is a very

1247

01:07:54,970 --> 01:07:52,550

destructive weapon or perhaps even using

1248

01:07:57,430 --> 01:07:54,980

all of them hands a hand or else will

1249

01:07:59,770 --> 01:07:57,440

move safely from a type-0 to talk to

1250

01:08:02,170 --> 01:07:59,780

eventually become the very advanced type

1251

01:08:04,930 --> 01:08:02,180

of three such an advanced civilization

1252

01:08:08,770 --> 01:08:04,940

would automatically possessed massive

1253

01:08:11,040 --> 01:08:08,780

computing power of such magnitude that

1254

01:08:13,480 --> 01:08:11,050

it would make even a present-day Cray

1255

01:08:16,120 --> 01:08:13,490

supercomputers look like a child's

1256

01:08:17,860 --> 01:08:16,130

abacus the science of cosmology

1257

01:08:19,900 --> 01:08:17,870

considers that there are four basic

1258

01:08:23,349 --> 01:08:19,910

types of civilization in the cosmos

1259

01:08:24,400 --> 01:08:23,359

notice the kardama scale right now we

1260

01:08:27,430 --> 01:08:24,410

are a type 0

1261

01:08:29,839 --> 01:08:27,440

struggling to become a top one and this

1262

01:08:33,769 --> 01:08:29,849

is recognized as the most dangerous

1263

01:08:35,450 --> 01:08:33,779

development I thought one civilization

1264

01:08:37,939 --> 01:08:35,460

wants to write that will not

1265

01:08:40,220 --> 01:08:37,949

self-destruct because all the resources

1266

01:08:42,200 --> 01:08:40,230

of the entire planet plus nearby planets

1267

01:08:44,359 --> 01:08:42,210

and in star system will be not each

1268

01:08:46,640 --> 01:08:44,369

disposal these were some of its star

1269

01:08:48,680 --> 01:08:46,650

will be on tap and everything including

1270

01:08:50,300 --> 01:08:48,690

the weather is reasonably controllable

1271

01:08:52,280 --> 01:08:50,310

it will also be able to make

1272

01:08:55,370 --> 01:08:52,290

three-dimensional worlds inside a

1273

01:09:00,169 --> 01:08:55,380

computer program and people those worlds

1274

01:09:02,059 --> 01:09:00,179

a type two civilization will be able to

1275

01:09:04,609 --> 01:09:02,069

retaliate gauge the energy of the solar

1276

01:09:07,069 --> 01:09:04,619

or personal star system and mine other

1277

01:09:09,530 --> 01:09:07,079

planets for minerals it will be able to

1278

01:09:10,309 --> 01:09:09,540

move anywhere in that system at close to

1279

01:09:12,740 --> 01:09:10,319

white speed

1280

01:09:15,349 --> 01:09:12,750

having turn energy into light mass

1281

01:09:17,689 --> 01:09:15,359

particles into photons it will have long

1282

01:09:21,410 --> 01:09:17,699

ago created four dimensional holographic

1283

01:09:24,229 --> 01:09:21,420

worlds inside its computers will so do

1284

01:09:26,990 --> 01:09:24,239

not know they're inside the computer and

1285

01:09:32,269 --> 01:09:27,000

that they themselves may be able to

1286

01:09:34,729 --> 01:09:32,279

visit or join again as per uri geller

1287

01:09:38,030 --> 01:09:34,739

or side babish earlier on show some

1288

01:09:41,450 --> 01:09:38,040

yogurt or jesus of nazareth or speak

1289

01:09:43,220 --> 01:09:41,460

barter and that by intense concentration

1290

01:09:44,959 --> 01:09:43,230

or natural ability

1291

01:09:47,479 --> 01:09:44,969

anyone can alter things in the external

1292

01:09:49,819 --> 01:09:47,489

world anyone can alter things in the

1293

01:09:54,950 --> 01:09:49,829

external world you can control your

1294

01:09:58,510 --> 01:09:54,960

illnesses you can and that maybe that's

1295

01:10:00,919 --> 01:09:58,520

helped prayer sometimes seems to work

1296

01:10:03,979 --> 01:10:00,929

and at other times it doesn't seem to

1297

01:10:05,930 --> 01:10:03,989

work it's not because there's much times

1298

01:10:08,530 --> 01:10:05,940

of benevolence sometimes extremely angry

1299

01:10:11,149 --> 01:10:08,540

spirit looking directly down on us like

1300

01:10:13,339 --> 01:10:11,159

some kind of super headmaster but

1301
01:10:20,569 --> 01:10:13,349
because you personally are altered your

1302
01:10:22,879 --> 01:10:20,579
brains contributions of a hologram 1913

1303
01:10:24,800 --> 01:10:22,889
long before anyone even knew what

1304
01:10:27,260 --> 01:10:24,810
particles were that allowed other

1305
01:10:28,590 --> 01:10:27,270
hologram was a twelve year old girl from

1306
01:10:31,620 --> 01:10:28,600
the village of geeses

1307
01:10:33,120 --> 01:10:31,630
but soon the happy villain France made

1308
01:10:36,060 --> 01:10:33,130
world headlines when it was discovered

1309
01:10:38,750 --> 01:10:36,070
she could consciously command images to

1310
01:10:43,110 --> 01:10:38,760
appear other arms and legs and shoulders

1311
01:10:46,170 --> 01:10:43,120
of horses dogs and cats and any other

1312
01:10:48,360 --> 01:10:46,180
animal all beautifully drawn as if by a

1313
01:10:50,220 --> 01:10:48,370

professional artist yet she could not

1314

01:10:53,340 --> 01:10:50,230

draw on paper and it better than any

1315

01:10:55,350 --> 01:10:53,350

other average twelve-year-old child if

1316

01:10:57,720 --> 01:10:55,360

she was asked the question the answer

1317

01:11:00,630 --> 01:10:57,730

would appear on her skin even if she did

1318

01:11:02,970 --> 01:11:00,640

not personally know the answer she was

1319

01:11:05,010 --> 01:11:02,980

observed in City unattested is perfectly

1320

01:11:07,320 --> 01:11:05,020

genuine by many French scientists at the

1321

01:11:09,480 --> 01:11:07,330

time but this kind of thing is not at

1322

01:11:11,940 --> 01:11:09,490

all singular and we can't become

1323

01:11:15,410 --> 01:11:11,950

regardless the law but such people exist

1324

01:11:17,910 --> 01:11:15,420

everywhere they are not miracles

1325

01:11:20,490 --> 01:11:17,920

accidental holographic brain anomalies

1326

01:11:22,980 --> 01:11:20,500

that allow the individual to tap into

1327

01:11:31,560 --> 01:11:22,990

the greater external hologram and to

1328

01:11:35,730 --> 01:11:31,570

alter it you you can also create

1329

01:11:39,360 --> 01:11:35,740

miracles you like Jesus or Sai Baba

1330

01:11:42,260 --> 01:11:39,370

surely we don't just live in one of

1331

01:11:44,910 --> 01:11:42,270

these Holograms we are fat on the ground

1332

01:11:46,710 --> 01:11:44,920

and of course if there are many multiple

1333

01:11:49,890 --> 01:11:46,720

holograms we are back to whoever its

1334

01:11:51,990 --> 01:11:49,900

multiverse or we know whoever it's

1335

01:11:53,730 --> 01:11:52,000

multiverse and all of you in this room

1336

01:11:56,790 --> 01:11:53,740

maybe in every single one of these

1337

01:11:58,650 --> 01:11:56,800

universes some versions will be totally

1338

01:12:01,680 --> 01:11:58,660

different from this version you will

1339

01:12:03,600 --> 01:12:01,690

simply be sitting in a different seat or

1340

01:12:06,210 --> 01:12:03,610

maybe you married that first boyfriend

1341

01:12:07,800 --> 01:12:06,220

and now you have a different partner or

1342

01:12:10,230 --> 01:12:07,810

you may be single when you are not

1343

01:12:12,900 --> 01:12:10,240

married or married when you are now

1344

01:12:15,540 --> 01:12:12,910

single other versions may be very

1345

01:12:18,900 --> 01:12:15,550

different indeed you could be a street

1346

01:12:20,490 --> 01:12:18,910

boy in Nairobi or if you are now male

1347

01:12:24,810 --> 01:12:20,500

you couldn't be a call girl in Brooklyn

1348

01:12:27,720 --> 01:12:24,820

or a criminal in a Congolese prison in

1349

01:12:30,379 --> 01:12:27,730

which case could help you it's not

1350

01:12:33,259 --> 01:12:30,389

Groundhog Day and simply have continued

1351

01:12:36,049 --> 01:12:33,269

the same hologram it's more like source

1352

01:12:39,250 --> 01:12:36,059

code day where every hologram ability

1353

01:12:41,659 --> 01:12:39,260

officer is returned - don't you see no

1354

01:12:44,149 --> 01:12:41,669

it's just that bit different from the

1355

01:12:48,500 --> 01:12:44,159

last hologram you maybe could be alive

1356

01:12:54,080 --> 01:12:48,510

in this version that day the next this

1357

01:12:56,989 --> 01:12:54,090

is not fiction this is not fiction this

1358

01:12:58,850 --> 01:12:56,999

is not a Mark Twain story this is not a

1359

01:13:01,969 --> 01:12:58,860

never let a good story get the way the

1360

01:13:05,389 --> 01:13:01,979

truth situation a holographic universe

1361

01:13:08,199 --> 01:13:05,399

is a scientific fact it's currently at

1362

01:13:10,609 --> 01:13:08,209

the forefront of scientific knowledge

1363

01:13:12,049 --> 01:13:10,619

however what is not understood is

1364

01:13:14,479 --> 01:13:12,059

whether as the physicist whoever

1365

01:13:17,089 --> 01:13:14,489

attorneys many followers insist the

1366

01:13:19,219 --> 01:13:17,099

multiverse is as natural as water in

1367

01:13:22,969 --> 01:13:19,229

this universe or whether the entire

1368

01:13:25,339 --> 01:13:22,979

contraption is fabricated however the

1369

01:13:27,620 --> 01:13:25,349

consensus but not yet the evidence at

1370

01:13:30,799 --> 01:13:27,630

least not yet is that it has to be

1371

01:13:34,449 --> 01:13:30,809

contrived and could well be contrived in

1372

01:13:38,389 --> 01:13:34,459

a sort of SuperDuper quantum computer

1373

01:13:43,129 --> 01:13:38,399

here in our own future or somebody

1374

01:13:46,699 --> 01:13:43,139

else's future or somewhere else we don't

1375

01:13:48,379 --> 01:13:46,709

know we simply don't know but this is

1376

01:13:51,319 --> 01:13:48,389

interesting because the furthest out

1377

01:13:53,989 --> 01:13:51,329

probe ever sent from this planet

1378

01:13:55,879 --> 01:13:53,999

Voyager 1 is currently a hundred and

1379

01:13:58,520 --> 01:13:55,889

twenty times further from us than we are

1380

01:14:01,850 --> 01:13:58,530

on the Sun and when he left the solar

1381

01:14:05,020 --> 01:14:01,860

system strange things began to happen he

1382

01:14:06,570 --> 01:14:05,030

was launched in a big - September 1977

1383

01:14:09,810 --> 01:14:06,580

it's

1384

01:14:14,040 --> 01:14:09,820

the subways 93 million Marsland it is

1385

01:14:17,460 --> 01:14:14,050

now 120 times further from us than the

1386

01:14:18,840 --> 01:14:17,470

Sun stomach dosa creamy cheese a

1387

01:14:20,910 --> 01:14:18,850

physicist from the Johns Hopkins

1388

01:14:23,580 --> 01:14:20,920

University Applied Physics Laboratory

1389

01:14:25,170 --> 01:14:23,590

and is a lead author of one of the three

1390

01:14:28,830 --> 01:14:25,180

new papers on Voyager appearing in

1391

01:14:30,450 --> 01:14:28,840

science On June 27th he said the models

1392

01:14:34,140 --> 01:14:30,460

that have been thought to predict what

1393

01:14:36,000 --> 01:14:34,150

should happen are all incorrect he says

1394

01:14:38,790 --> 01:14:36,010

we essentially have absolutely no

1395

01:14:40,830 --> 01:14:38,800

reliable roadmap of what to expect at

1396

01:14:44,220 --> 01:14:40,840

this point the strangest things are

1397

01:14:46,490 --> 01:14:44,230

occurring researchers know that Voyager

1398

01:14:49,530 --> 01:14:46,500

want into the edge of the solar wind in

1399

01:14:51,330 --> 01:14:49,540

2003 and when the spacecraft's

1400

01:14:53,070 --> 01:14:51,340

instruments indicated that particles

1401

01:14:56,040 --> 01:14:53,080

around it were moving subsonically

1402

01:14:59,070 --> 01:14:56,050

having slowed down after traveling so

1403

01:15:01,740 --> 01:14:59,080

far from the Sun then about a year ago

1404

01:15:04,950 --> 01:15:01,750

everything got really quiet around the

1405

01:15:07,050 --> 01:15:04,960

program everything went quiet what do

1406

01:15:09,630 --> 01:15:07,060

you want instance indicating that the

1407

01:15:12,150 --> 01:15:09,640

solar wind had suddenly dropped by a

1408

01:15:14,360 --> 01:15:12,160

factor of over a thousand to the point

1409

01:15:17,010 --> 01:15:14,370

where it was virtually undetectable

1410

01:15:20,940 --> 01:15:17,020

the transition happened extremely fast

1411

01:15:23,790 --> 01:15:20,950

taking the only a few days so what's

1412

01:15:26,640 --> 01:15:23,800

that problem what's that mean well if

1413

01:15:28,770 --> 01:15:26,650

the solar wind was completely gone the

1414

01:15:31,590 --> 01:15:28,780

cosmic rays should be streaming in from

1415

01:15:34,830 --> 01:15:31,600

all directions instead gorgeou family

1416

01:15:38,610 --> 01:15:34,840

coming preferentially from one single

1417

01:15:40,680 --> 01:15:38,620

direction furthermore even though the

1418

01:15:42,570 --> 01:15:40,690

solar particles had dropped off the

1419

01:15:44,970 --> 01:15:42,580

probe hasn't mentioned any real change

1420

01:15:47,790 --> 01:15:44,980

in the magnetic fields around it that's

1421

01:15:49,710 --> 01:15:47,800

very hard to explain because the

1422

01:15:52,610 --> 01:15:49,720

galaxy's magnetic field is thought to be

1423

01:15:56,160 --> 01:15:52,620

inclined 60 degrees from the sun's field

1424

01:15:59,460 --> 01:15:56,170

no one he said is entirely sure what's

1425

01:16:00,540 --> 01:15:59,470

going on when scientists say that you

1426

01:16:03,960 --> 01:16:00,550

can bet they're really

1427

01:16:06,120 --> 01:16:03,970

really puzzled maybe the pride is trying

1428

01:16:08,700 --> 01:16:06,130

to surmount like Jim Carrey

1429

01:16:11,700 --> 01:16:08,710

in as Truman Burbank in the film The

1430

01:16:13,470 --> 01:16:11,710

Truman Show may be the false backdrop

1431

01:16:17,640 --> 01:16:13,480

which is the end of reality as we know

1432

01:16:22,730 --> 01:16:17,650

it may be the solar system is The Truman

1433

01:16:27,300 --> 01:16:22,740

Show and everything beyond it ain't real

1434

01:16:29,360 --> 01:16:27,310

or as the endless fear is expanding with

1435

01:16:32,040 --> 01:16:29,370

the probe that the finger being pushed

1436

01:16:32,520 --> 01:16:32,050

into a balloon maybe that's what's

1437

01:16:35,370 --> 01:16:32,530

happened

1438

01:16:38,520 --> 01:16:35,380

however the Oort cloud is still 14

1439

01:16:42,120 --> 01:16:38,530

thousand years away from where the probe

1440

01:16:45,900 --> 01:16:42,130

is now and many cosmologists to consider

1441

01:16:48,120 --> 01:16:45,910

the the Oort cloud to be within the

1442

01:16:51,600 --> 01:16:48,130

solar system but he's cause he's never

1443

01:17:05,959 --> 01:16:51,610

been seen so basically what's happening

1444

01:17:19,120 --> 01:17:16,550

how about three the next most important

1445

01:17:24,500 --> 01:17:19,130

question about all of this stuff

1446

01:17:27,380 --> 01:17:24,510

basically is is this hologram part of

1447

01:17:30,020 --> 01:17:27,390

the simulation theory are we in a matrix

1448

01:17:33,439 --> 01:17:30,030

are we in a matrix is this holographic

1449

01:17:35,090 --> 01:17:33,449

computer derived artifact many

1450

01:17:36,200 --> 01:17:35,100

scientists have built in this question

1451

01:17:42,680 --> 01:17:36,210

we absolutely truths

1452

01:17:45,020 --> 01:17:42,690

say yes yes we are we don't know natural

1453

01:17:50,840 --> 01:17:45,030

circumstances that could produce such a

1454

01:17:52,580 --> 01:17:50,850

phenomenon how else could it be done the

1455

01:17:59,260 --> 01:17:52,590

memory is a holographic possessing no

1456

01:18:01,939 --> 01:17:59,270

precise location in the brain at cetera

1457

01:18:04,430 --> 01:18:01,949

we know on earth that computers double

1458

01:18:06,979 --> 01:18:04,440

their efficiency every 12 to 18 months

1459

01:18:09,500 --> 01:18:06,989

we know that the future holds a lot of

1460

01:18:11,660 --> 01:18:09,510

holes for artificial intelligence and

1461

01:18:12,950 --> 01:18:11,670

that AI robots and quantum computers

1462

01:18:15,590 --> 01:18:12,960

that will be thousands of times more

1463

01:18:17,209 --> 01:18:15,600

efficient and even the present date Cray

1464

01:18:19,729 --> 01:18:17,219

supercomputers are just around the

1465

01:18:22,310 --> 01:18:19,739

corner assuming we do not kill ourselves

1466

01:18:24,920 --> 01:18:22,320

in the interim when the planet doesn't

1467

01:18:27,200 --> 01:18:24,930

kill us which is looking at the more

1468

01:18:28,990 --> 01:18:27,210

likely the day will come when humans

1469

01:18:31,280 --> 01:18:29,000

will be able to also put a

1470

01:18:33,380 --> 01:18:31,290

three-dimensional and inhabited world

1471

01:18:35,870 --> 01:18:33,390

into a quantum computer and the

1472

01:18:38,240 --> 01:18:35,880

occupants will not know they're in a

1473

01:18:39,159 --> 01:18:38,250

quantum computer they'll be just like

1474

01:18:41,679 --> 01:18:39,169

you guys

1475

01:18:43,600 --> 01:18:41,689

though their computer eventually all the

1476

01:18:45,819 --> 01:18:43,610

advanced technological societies in the

1477

01:18:48,609 --> 01:18:45,829

universe will be able to do the same

1478

01:18:52,389 --> 01:18:48,619

thing until the worlds created inside

1479

01:18:54,689 --> 01:18:52,399

computers will be the norm an odd number

1480

01:18:57,100 --> 01:18:54,699

the real worlds or the original worlds

1481

01:18:59,889 --> 01:18:57,110

the original worlds may no longer exist

1482

01:19:03,189 --> 01:18:59,899

in fact only the worlds created inside a

1483

01:19:05,080 --> 01:19:03,199

computer which leads us to the

1484

01:19:06,879 --> 01:19:05,090

mathematics involved in the possibility

1485

01:19:09,819 --> 01:19:06,889

of us already being the computer

1486

01:19:13,149 --> 01:19:09,829

generated world and the math involves

1487

01:19:16,779 --> 01:19:13,159

concur that that simply has to be the

1488

01:19:19,649 --> 01:19:16,789

case now you might ask why would anyone

1489

01:19:23,679 --> 01:19:19,659

bother to do this in the first place

1490

01:19:26,139 --> 01:19:23,689

perhaps only because they can offer

1491

01:19:29,529 --> 01:19:26,149

entertainment purposes as in The Truman

1492

01:19:30,759 --> 01:19:29,539

Show or perhaps we are again show we are

1493

01:19:33,520 --> 01:19:30,769

get you of some kind

1494

01:19:39,370 --> 01:19:33,530

and we can be manipulated manipulated

1495

01:19:42,790 --> 01:19:39,380

like a game show I know says the player

1496

01:19:45,669 --> 01:19:42,800

they suspect Russia invade Iraq and get

1497

01:19:48,009 --> 01:19:45,679

a bloody nose and then get the sake we

1498

01:19:50,909 --> 01:19:48,019

Habash to fly planes into some building

1499

01:19:53,500 --> 01:19:50,919

and stimulate America to invade Iraq and

1500

01:19:56,319 --> 01:19:53,510

Syria but ignore the real culprit which

1501
01:19:59,529 --> 01:19:56,329
of course is Saudi Arabia gosh wouldn't

1502
01:20:01,149 --> 01:19:59,539
that be cool you know 15 of 16 of the

1503
01:20:03,250 --> 01:20:01,159
pilots involved in that process have you

1504
01:20:09,989 --> 01:20:03,260
read it and nothing whatsoever to do

1505
01:20:12,819 --> 01:20:09,999
with Iraq yeah because of the oil around

1506
01:20:15,429 --> 01:20:12,829
maybe were you simply a computer lesson

1507
01:20:18,330 --> 01:20:15,439
for any of children in a school lab

1508
01:20:21,159 --> 01:20:18,340
somewhere the deepest reaches of space

1509
01:20:24,729 --> 01:20:21,169
but the point is and it's a serious

1510
01:20:26,859 --> 01:20:24,739
point this is not sponsored this is

1511
01:20:29,199 --> 01:20:26,869
science fact nobody's going to change

1512
01:20:31,479 --> 01:20:29,209
their mind tomorrow itself once oh dear

1513
01:20:33,909 --> 01:20:31,489

we got it all wrong guys we had not come

1514

01:20:36,370 --> 01:20:33,919

to a holographic universe after all they

1515

01:20:37,140 --> 01:20:36,380

did know we already are all the

1516

01:20:41,550 --> 01:20:37,150

mathematics

1517

01:20:43,830 --> 01:20:41,560

well once years ago in fact they were

1518

01:20:45,630 --> 01:20:43,840

aware of these possibilities and because

1519

01:20:47,970 --> 01:20:45,640

of the black hole problem they don't

1520

01:20:50,190 --> 01:20:47,980

know it's for sure questions arise

1521

01:20:52,830 --> 01:20:50,200

they're not like the swarm upper bodies

1522

01:20:56,160 --> 01:20:52,840

are the UFOs and their occupants also

1523

01:20:59,130 --> 01:20:56,170

part of this hologram or other in some

1524

01:21:02,580 --> 01:20:59,140

way outside of this hologram and able to

1525

01:21:04,710 --> 01:21:02,590

visit the holodeck like Teresa's like

1526

01:21:06,720 --> 01:21:04,720

the crew of the enterprise can if the

1527

01:21:09,570 --> 01:21:06,730

hologram ends at the edge of the solar

1528

01:21:16,020 --> 01:21:09,580

system maybe they can flick in and out

1529

01:21:18,540 --> 01:21:16,030

like shadow people it's a lot to take in

1530

01:21:22,650 --> 01:21:18,550

it's such a mind warp in fact that the

1531

01:21:25,290 --> 01:21:22,660

mind automatically rejected it it's so

1532

01:21:27,150 --> 01:21:25,300

weird it's so uncomfortable so it's so

1533

01:21:31,920 --> 01:21:27,160

out there it's simply come up the truth

1534

01:21:34,770 --> 01:21:31,930

what it is consider history and all its

1535

01:21:37,020 --> 01:21:34,780

Wars the first war for example the

1536

01:21:39,330 --> 01:21:37,030

Crimean the first modern war the first

1537

01:21:43,170 --> 01:21:39,340

world war ii the Korean Vietnam

1538

01:21:45,090 --> 01:21:43,180

Afghanistan Syria what a game we're in

1539

01:21:48,360 --> 01:21:45,100

someone's playing this game what is dead

1540

01:21:54,690 --> 01:21:48,370

marine what a freaking nightmare from

1541

01:21:56,430 --> 01:21:54,700

which there is not waking up do you

1542

01:21:59,190 --> 01:21:56,440

think the game makers invented Hitler

1543

01:22:02,880 --> 01:21:59,200

and Mussolini and Churchill Italians and

1544

01:22:05,040 --> 01:22:02,890

Theresa made what in wait perhaps

1545

01:22:07,320 --> 01:22:05,050

billions or even trillions are watching

1546

01:22:10,140 --> 01:22:07,330

this cosmic movie with relish and

1547

01:22:16,280 --> 01:22:10,150

disgust at along and sometimes join

1548

01:22:18,690 --> 01:22:16,290

watch our own TV our own subs who knows

1549

01:22:20,670 --> 01:22:18,700

that there's no point whatsoever in

1550

01:22:23,190 --> 01:22:20,680

creating a holographic universe or the

1551
01:22:26,560 --> 01:22:23,200
holographic solar system if behind it is

1552
01:22:30,590 --> 01:22:28,669
furthermore if we made a holographic

1553
01:22:32,300 --> 01:22:30,600
play ourselves the three-dimensional

1554
01:22:34,520 --> 01:22:32,310
creation would we not take the

1555
01:22:36,979 --> 01:22:34,530
activities beyond the life of the actors

1556
01:22:39,800 --> 01:22:36,989
into a second life or a return to that

1557
01:22:41,689 --> 01:22:39,810
life as on the carousel bring back the

1558
01:22:44,390 --> 01:22:41,699
characters in another guise or perhaps

1559
01:22:46,220 --> 01:22:44,400
once the game you started only minimal

1560
01:22:48,229 --> 01:22:46,230
tweaks are allowed in the game runs its

1561
01:22:50,570 --> 01:22:48,239
own of course but perhaps more

1562
01:22:54,950 --> 01:22:50,580
importantly is this hologram winding

1563
01:22:57,260 --> 01:22:54,960

itself down to the finish are we

1564

01:23:02,479 --> 01:22:57,270

entering the end times as portrayed in

1565

01:23:05,240 --> 01:23:02,489

the Bible you know we have a billion

1566

01:23:17,979 --> 01:23:05,250

people on this planet and we could only

1567

01:23:22,280 --> 01:23:17,989

stand 9 billion fossil-fuel 30 years so

1568

01:23:24,140 --> 01:23:22,290

we're in a lot of trouble the Third

1569

01:23:28,310 --> 01:23:24,150

Secret of fátima according to sister

1570

01:23:30,229 --> 01:23:28,320

Lucinda would be clearer after 1960 but

1571

01:23:32,959 --> 01:23:30,239

the Third Secret was never opened by the

1572

01:23:38,390 --> 01:23:32,969

Vatican in 1960 and was not revealed

1573

01:23:41,270 --> 01:23:38,400

until theoretically June 2007 Catholics

1574

01:23:43,459 --> 01:23:41,280

that this secret is still a secret and

1575

01:23:45,800 --> 01:23:43,469

the revelations revealed concerning the

1576

01:23:49,220 --> 01:23:45,810

moral carps of the church in the 20th

1577

01:23:52,100 --> 01:23:49,230

century are not what Lucia dos Santos

1578

01:23:54,080 --> 01:23:52,110

heard the operation to tell her but

1579

01:23:57,200 --> 01:23:54,090

something much more monstrous and

1580

01:23:58,850 --> 01:23:57,210

unnerving even though in the meantime

1581

01:24:04,080 --> 01:23:58,860

there really has been a moral collapse

1582

01:24:10,779 --> 01:24:08,080

well when Brassica was elected Pope in

1583

01:24:12,969 --> 01:24:10,789

2005 Archbishop Gus wine was made

1584

01:24:15,609 --> 01:24:12,979

principal private secretary and later

1585

01:24:17,830 --> 01:24:15,619

became prevalent of his holiness in 2006

1586

01:24:19,989 --> 01:24:17,840

he was questioned by a noted phasmid

1587

01:24:21,899 --> 01:24:19,999

insider and the elected to say that if

1588

01:24:25,870 --> 01:24:21,909

you have read the apocalyptic

1589

01:24:30,850 --> 01:24:25,880

eschatology in the Bible you know what

1590

01:24:32,469 --> 01:24:30,860

the third secret is about but there is

1591

01:24:34,569 --> 01:24:32,479

no indication in these prophecies of

1592

01:24:36,189 --> 01:24:34,579

what actually causes the destruction of

1593

01:24:39,279 --> 01:24:36,199

tales indicated in the Bible

1594

01:24:42,370 --> 01:24:39,289

however if you can imagine an extremely

1595

01:24:44,859 --> 01:24:42,380

slow down video of a large airliner

1596

01:24:47,770 --> 01:24:44,869

crash and then apply that image to

1597

01:24:50,169 --> 01:24:47,780

society at large the picture emerges of

1598

01:24:53,200 --> 01:24:50,179

a catastrophe the catastrophe that

1599

01:24:55,779 --> 01:24:53,210

creeps up on humanity very slowly but

1600

01:25:05,200 --> 01:24:55,789

very determinately and this describes

1601
01:25:06,879 --> 01:25:05,210
what would happen when the case but that

1602
01:25:11,080 --> 01:25:06,889
coming disaster will be beaten to the

1603
01:25:14,009 --> 01:25:11,090
punch by Jove the woman currently facing

1604
01:25:16,419 --> 01:25:14,019
a whole new set of problems on this day

1605
01:25:18,370 --> 01:25:16,429
now minutes even possible that some

1606
01:25:20,410 --> 01:25:18,380
teenage alien Schmucker probably sitting

1607
01:25:22,509 --> 01:25:20,420
in these badly decorated alien bedroom

1608
01:25:27,219 --> 01:25:22,519
covered in posters of female naked

1609
01:25:29,319 --> 01:25:27,229
aliens 20 centuries from now as time is

1610
01:25:32,020 --> 01:25:29,329
relative he's played this game we're in

1611
01:25:32,859 --> 01:25:32,030
it he's playing this game and roaring

1612
01:25:36,279 --> 01:25:32,869
with laughter

1613
01:25:38,799 --> 01:25:36,289

at our Wars our inadequacies hopeless

1614

01:25:43,620 --> 01:25:38,809

political situations in which we stagger

1615

01:25:47,830 --> 01:25:46,270

we all know that right now antibiotics

1616

01:25:50,549 --> 01:25:47,840

are running out of steam faster than

1617

01:25:52,509 --> 01:25:50,559

Jesse Owens couldn't dissolve it up

1618

01:25:53,859 --> 01:25:52,519

oxycontin is another prescription

1619

01:25:55,529 --> 01:25:53,869

opiates are killing people in the

1620

01:25:57,939 --> 01:25:55,539

Western world in their thousands

1621

01:25:59,069 --> 01:25:57,949

particularly the US faster the road

1622

01:26:01,060 --> 01:25:59,079

accidents

1623

01:26:02,380 --> 01:26:01,070

opiates are now killing people in

1624

01:26:05,260 --> 01:26:02,390

America faster than they were

1625

01:26:06,910 --> 01:26:05,270

accidents Thanks not just the Vatican

1626

01:26:08,650 --> 01:26:06,920

Bank on loan from dirty money by the

1627

01:26:11,320 --> 01:26:08,660

billions and getting away with it

1628

01:26:12,820 --> 01:26:11,330

car companies such as Volkswagen and

1629

01:26:15,130 --> 01:26:12,830

others push particulates in the

1630

01:26:16,690 --> 01:26:15,140

atmosphere that kill thousands and they

1631

01:26:19,900 --> 01:26:16,700

deliberately manipulate the vehicles

1632

01:26:21,670 --> 01:26:19,910

software to hide the fact shell

1633

01:26:24,370 --> 01:26:21,680

companies are trillions from tax

1634

01:26:26,170 --> 01:26:24,380

payments young women mostly from Eastern

1635

01:26:28,360 --> 01:26:26,180

Europe are exploited for pornographic

1636

01:26:29,230 --> 01:26:28,370

videos and forced into prostitution in

1637

01:26:34,420 --> 01:26:29,240

their thousands

1638

01:26:36,640 --> 01:26:34,430

we are hosts of problems are well

1639

01:26:39,400 --> 01:26:36,650

politics is in turmoil everywhere from

1640

01:26:41,620 --> 01:26:39,410

South America to the UK there is a moral

1641

01:26:45,690 --> 01:26:41,630

and spiritual vacuum striving the world

1642

01:26:49,650 --> 01:26:45,700

unlike anything ever quite seen before

1643

01:26:53,620 --> 01:26:49,660

what does this have to do with UFOs or

1644

01:26:55,780 --> 01:26:53,630

perhaps a great deal they know what is

1645

01:26:58,390 --> 01:26:55,790

happening if they're in those vehicles

1646

01:27:00,580 --> 01:26:58,400

they know what is happening they must be

1647

01:27:02,680 --> 01:27:00,590

aware of everything like the Smart TVs

1648

01:27:06,610 --> 01:27:02,690

in which hackers can conduct remote

1649

01:27:08,170 --> 01:27:06,620

hijinks such as cranking up the sound or

1650

01:27:10,450 --> 01:27:08,180

suddenly switching channels they can do

1651
01:27:12,610 --> 01:27:10,460
that or suddenly displaying

1652
01:27:13,410 --> 01:27:12,620
objectionable porn on TV they can do

1653
01:27:16,210 --> 01:27:13,420
that too

1654
01:27:20,040 --> 01:27:16,220
if this hologram could be played like an

1655
01:27:24,490 --> 01:27:20,050
instrument maybe they are the players

1656
01:27:26,920 --> 01:27:24,500
maybe they're doing this they must know

1657
01:27:29,110 --> 01:27:26,930
we a need for disaster and they're all

1658
01:27:31,510 --> 01:27:29,120
getting back together after their Soyuz

1659
01:27:37,210 --> 01:27:31,520
rocket but they also know we probably

1660
01:27:40,300 --> 01:27:37,220
won't with any lack of indicates more

1661
01:27:43,330 --> 01:27:40,310
and then maybe they'll come that they

1662
01:27:46,240 --> 01:27:43,340
might land they might not in anger with

1663
01:27:48,310 --> 01:27:46,250

you sorrow perhaps we will finally be

1664

01:27:54,030 --> 01:27:48,320

the hybrid race we always were didn't

1665

01:28:01,420 --> 01:27:57,730

either way is it all part of this game

1666

01:28:04,780 --> 01:28:01,430

again actually coming up to the level 2

1667

01:28:05,469 --> 01:28:04,790

mark of the game was our level 3 market

1668

01:28:12,410 --> 01:28:05,479

today

1669

01:28:13,759 --> 01:28:12,420

you can't Claire's up there I'll finish

1670

01:28:17,390 --> 01:28:13,769

October I said what are two numbers

1671

01:28:19,370 --> 01:28:17,400

shirts around about April 1975 I was

1672

01:28:21,649 --> 01:28:19,380

coming back from a trip to France with a

1673

01:28:23,089 --> 01:28:21,659

French female photographer having tried

1674

01:28:24,770 --> 01:28:23,099

to chase a story of what exactly

1675

01:28:27,350 --> 01:28:24,780

happened where the bomb was exploded in

1676

01:28:29,029 --> 01:28:27,360

the offices of the academic publishers

1677

01:28:31,520 --> 01:28:29,039

bring the press by the remnants of the

1678

01:28:33,080 --> 01:28:31,530

part of my affection while trying to

1679

01:28:34,729 --> 01:28:33,090

explain the release of the journalists

1680

01:28:38,359 --> 01:28:34,739

will recur why not for anyway eventually

1681

01:28:40,129 --> 01:28:38,369

I'd resulted in prison and as we both

1682

01:28:42,259 --> 01:28:40,139

stepped off the ferry trying to beat the

1683

01:28:44,239 --> 01:28:42,269

lorries down the vehicle ran we both

1684

01:28:47,390 --> 01:28:44,249

simultaneously saw a huge UFO

1685

01:28:49,429 --> 01:28:47,400

overprinted it was simply massive

1686

01:28:52,009 --> 01:28:49,439

absolutely massive particulate and

1687

01:28:54,529 --> 01:28:52,019

angled towards us of about six or seven

1688

01:28:56,390 --> 01:28:54,539

degrees and surrounding it were multiple

1689

01:28:59,719 --> 01:28:56,400

colored lights not moving not spinning

1690

01:29:02,060 --> 01:28:59,729

but very very bright and some of the

1691

01:29:05,419 --> 01:29:02,070

lorry drivers had also seen the UFO and

1692

01:29:07,399 --> 01:29:05,429

staring at it was holding up the lorries

1693

01:29:10,009 --> 01:29:07,409

behind them which was filling the hall

1694

01:29:12,020 --> 01:29:10,019

to infuse until the crew had to insist

1695

01:29:13,609 --> 01:29:12,030

the crew of the ferry had to insist the

1696

01:29:14,500 --> 01:29:13,619

lorries moved further forward off the

1697

01:29:17,149 --> 01:29:14,510

ramp

1698

01:29:19,370 --> 01:29:17,159

we were both God's nectarine I was

1699

01:29:21,500 --> 01:29:19,380

absolutely gobsmacked because I believe

1700

01:29:26,569 --> 01:29:21,510

me I was a traditional science

1701

01:29:28,850 --> 01:29:26,579

journalist body stuff about UFOs was was

1702

01:29:30,529 --> 01:29:28,860

just as baloney to me as your neighbors

1703

01:29:34,879 --> 01:29:30,539

down the road of thinking of Barbie it

1704

01:29:37,339 --> 01:29:34,889

was nonsense but I realized that day for

1705

01:29:39,739 --> 01:29:37,349

the first time in my life because it

1706

01:29:41,799 --> 01:29:39,749

certainly wasn't nonsense it was very

1707

01:29:44,239 --> 01:29:41,809

real

1708

01:29:46,549 --> 01:29:44,249

whoever comes back if I was in shock

1709

01:29:49,549 --> 01:29:46,559

this did not fitted to my worldview at

1710

01:29:51,679 --> 01:29:49,559

all I wanted to get to the car and drive

1711

01:29:54,649 --> 01:29:51,689

beneath it it appeared to be quite low

1712

01:29:56,229 --> 01:29:54,659

and I guess disappear I would say three

1713

01:29:59,650 --> 01:29:56,239

to four thousand feet

1714

01:30:02,350 --> 01:29:59,660

there was a slight mist around

1715

01:30:04,930 --> 01:30:02,360

around the UFO as if sitting in a pool

1716

01:30:06,910 --> 01:30:04,940

of diffused light and when we finally

1717

01:30:10,330 --> 01:30:06,920

got to the car and started to recover

1718

01:30:12,130 --> 01:30:10,340

our senses a bit Shaheen she's my

1719

01:30:14,440 --> 01:30:12,140

photographer tongue started taking

1720

01:30:16,840 --> 01:30:14,450

pictures but as I drove closer to this

1721

01:30:18,640 --> 01:30:16,850

thing she began to get very panicky and

1722

01:30:20,920 --> 01:30:18,650

suddenly the bloody thing spoke to me

1723

01:30:35,680 --> 01:30:20,930

and I've never told anybody this before

1724

01:30:40,620 --> 01:30:35,690

in my entire life he spoke to me quite

1725

01:30:46,870 --> 01:30:40,630

loud to thousands if I was the damsel

1726

01:30:52,300 --> 01:30:46,880

and it said it said in my head it's the

1727

01:30:55,450 --> 01:30:52,310

oven then I said to myself back to his

1728

01:30:56,980 --> 01:30:55,460

voice in my head I said out loud then

1729

01:31:01,240 --> 01:30:56,990

actually said she thought I was going

1730

01:31:02,860 --> 01:31:01,250

nuts of course it's not the army by then

1731

01:31:08,230 --> 01:31:02,870

I think in the mouth of the british army

1732

01:31:11,350 --> 01:31:08,240

which had spent in cyprus my national

1733

01:31:14,350 --> 01:31:11,360

service who each one the king definitely

1734

01:31:19,120 --> 01:31:14,360

knowing there was a short pause and then

1735

01:31:21,370 --> 01:31:19,130

it said even louder it's the Navy and

1736

01:31:22,840 --> 01:31:21,380

again I said do me a favor popular

1737

01:31:27,250 --> 01:31:22,850

expression in the tournament derby of

1738

01:31:30,790 --> 01:31:27,260

things of course it's not done anything

1739

01:31:36,100 --> 01:31:30,800

I don't know who the hell you are but

1740

01:31:39,430 --> 01:31:36,110

you aren't either of them and then it

1741

01:31:42,250 --> 01:31:39,440

shrugged I mean it shrugged in my brain

1742

01:31:44,710 --> 01:31:42,260

my minded shrugged if you could possibly

1743

01:31:48,250 --> 01:31:44,720

imagine a shrug in one's mind without

1744

01:31:50,740 --> 01:31:48,260

words being spoken it was really weird

1745

01:31:54,040 --> 01:31:50,750

and I'm not even this was really really

1746

01:31:56,020 --> 01:31:54,050

really upset me for a long time anyway

1747

01:31:57,850 --> 01:31:56,030

Geneva the photographer was getting he

1748

01:32:01,340 --> 01:31:57,860

terrified and had stopped taking

1749

01:32:05,450 --> 01:32:01,350

photographs and she was only young

1750

01:32:07,850 --> 01:32:05,460

he said in 1975 and considered myself

1751

01:32:10,730 --> 01:32:07,860

you know a city go hack and she was

1752

01:32:13,370 --> 01:32:10,740

about 18 or 19 when we got back to my

1753

01:32:16,220 --> 01:32:13,380

flat in country park we ran our southern

1754

01:32:18,800 --> 01:32:16,230

and western evening news to see what the

1755

01:32:20,930 --> 01:32:18,810

score was with them and the Soviets said

1756

01:32:27,800 --> 01:32:20,940

show me the photos so Janine showed me

1757

01:32:29,990 --> 01:32:27,810

photos it could be seen in the dark but

1758

01:32:32,660 --> 01:32:30,000

not from Plymouth itself and they gave

1759

01:32:35,270 --> 01:32:32,670

it a single college on apparently page

1760

01:32:41,020 --> 01:32:35,280

four and they weren't interested in

1761

01:32:43,700 --> 01:32:41,030

photos but neither neither was the man

1762

01:32:44,420 --> 01:32:43,710

but as happened only two photos came out

1763

01:32:48,500 --> 01:32:44,430

anyway

1764

01:32:50,270 --> 01:32:48,510

and neither were particularly clear my

1765

01:32:52,610 --> 01:32:50,280

sub ad refused to run anything into my

1766

01:32:55,040 --> 01:32:52,620

ladies and that is awesome the case

1767

01:32:58,280 --> 01:32:55,050

we're looking for probably one of the

1768

01:32:59,780 --> 01:32:58,290

most important things because a courtesy

1769

01:33:02,690 --> 01:32:59,790

he would race one of the most important

1770

01:33:06,850 --> 01:33:02,700

things on the planet and yet trying to

1771

01:33:11,030 --> 01:33:06,860

get some images of ligatures interested

1772

01:33:12,800 --> 01:33:11,040

it's very difficult anyway

1773

01:33:14,330 --> 01:33:12,810

I firstly said one of the pictures of

1774

01:33:17,390 --> 01:33:14,340

the department to Lord Rothermere

1775

01:33:25,690 --> 01:33:17,400

world the paper in the hope it much

1776

01:33:31,760 --> 01:33:28,700

don't forgot that day it's burned into

1777

01:33:34,580 --> 01:33:31,770

my memory and eventually years and years

1778

01:33:36,440 --> 01:33:34,590

later is the principal reason that I

1779

01:33:40,520 --> 01:33:36,450

read this book started to do research

1780

01:33:44,840 --> 01:33:40,530

but what these things were how did they

1781

01:33:46,550 --> 01:33:44,850

fit into our reality so the external

1782

01:33:49,180 --> 01:33:46,560

world the world outside of your head

1783

01:33:51,770 --> 01:33:49,190

looks like what does it look like well

1784

01:33:54,920 --> 01:33:51,780

it's certainly not like what you now

1785

01:33:56,439 --> 01:33:54,930

think you see for a start you only look

1786

01:33:59,890 --> 01:33:56,449

through the truth in point

1787

01:34:02,470 --> 01:33:59,900

a pinpoint that thrashes itself about

1788

01:34:05,500 --> 01:34:02,480

trying to make sense of what it sees and

1789

01:34:09,189 --> 01:34:05,510

what it sees is actually an upside-down

1790

01:34:12,610 --> 01:34:09,199

image which your brain then reverses and

1791

01:34:15,340 --> 01:34:12,620

takes its best guess at what lies on the

1792

01:34:18,490 --> 01:34:15,350

peripheries using acquired information

1793

01:34:22,090 --> 01:34:18,500

gathered from similar situations since

1794

01:34:25,900 --> 01:34:22,100

the day you were born that's what

1795

01:34:27,820 --> 01:34:25,910

happens you just sit and point your eyes

1796

01:34:29,500 --> 01:34:27,830

are only aware of the photons of white

1797

01:34:32,560 --> 01:34:29,510

even though the two eyes work together

1798

01:34:37,780 --> 01:34:32,570

to focus your ears are only aware of air

1799

01:34:41,950 --> 01:34:37,790

compression touch Tim he's a bit like

1800

01:34:43,770 --> 01:34:41,960

taste taste the sweet sour bitter salty

1801

01:34:47,650 --> 01:34:43,780

Haku Marmont that's it

1802

01:34:52,630 --> 01:34:47,660

touch tun is hot cold furry soft hard

1803

01:34:57,490 --> 01:34:52,640

very hard that's it the brain does all

1804

01:35:00,910 --> 01:34:57,500

the rest the brain does everything so

1805

01:35:04,600 --> 01:35:00,920

what is actually out there the brain

1806

01:35:07,180 --> 01:35:04,610

refuses to tell you it is the \$64,000

1807

01:35:10,090 --> 01:35:07,190

secret it has its own ideas on the

1808

01:35:11,919 --> 01:35:10,100

subject if you won't tell you you're

1809

01:35:13,270 --> 01:35:11,929

used to that really only pick up sound

1810

01:35:15,850 --> 01:35:13,280

vibrations crossing through the

1811

01:35:17,500 --> 01:35:15,860

atmosphere the small bones vibrate in

1812

01:35:18,189 --> 01:35:17,510

your inner ear and recognize the loud

1813

01:35:20,439 --> 01:35:18,199

and soft

1814

01:35:24,750 --> 01:35:20,449

it's your brain that tells you it's a

1815

01:35:28,450 --> 01:35:24,760

dog or child's cry or a car breaking

1816

01:35:34,270 --> 01:35:28,460

it's your brain not your ears it's all

1817

01:35:36,220 --> 01:35:34,280

an illusion size seems so natural to

1818

01:35:38,470 --> 01:35:36,230

things so easy to do it's difficult to

1819

01:35:45,290 --> 01:35:38,480

imagine the vast amount of silent

1820

01:35:51,190 --> 01:35:47,870

consider the case here of Tom we

1821

01:35:53,990 --> 01:35:51,200

consider the case of a guy called Tom

1822

01:35:55,820 --> 01:35:54,000

who lost his sight in the technical

1823

01:35:58,640 --> 01:35:55,830

explosion and then was given the

1824

01:36:00,800 --> 01:35:58,650

opportunity to get it back he lost his

1825

01:36:03,730 --> 01:36:00,810

sight of three years old and after 40

1826
01:36:07,460 --> 01:36:03,740
years of blindness the other went hiring

1827
01:36:10,310 --> 01:36:07,470
pioneering Steve stem-cell surgery to

1828
01:36:12,320 --> 01:36:10,320
repair the physical damage a corneal

1829
01:36:13,670 --> 01:36:12,330
transplant was carried out when the

1830
01:36:18,740 --> 01:36:13,680
bandages were removed

1831
01:36:20,180 --> 01:36:18,750
Tom experienced a sudden whoosh of from

1832
01:36:23,090 --> 01:36:20,190
the surgeons point of view this was a

1833
01:36:24,680 --> 01:36:23,100
resounding surgical success but the

1834
01:36:27,260 --> 01:36:24,690
patient it wasn't anything of the sort

1835
01:36:29,870 --> 01:36:27,270
the instantaneous the instantaneous

1836
01:36:32,590 --> 01:36:29,880
front of information was totally

1837
01:36:35,510 --> 01:36:32,600
overwhelming to Tom his brain was saying

1838
01:36:37,580 --> 01:36:35,520

his brain was said good bet he digs up

1839

01:36:40,820 --> 01:36:37,590

they take it easy what the hell are you

1840

01:36:42,590 --> 01:36:40,830

doing to me on the way home they don't

1841

01:36:45,260 --> 01:36:42,600

keep hanging about London US hospitals

1842

01:36:48,140 --> 01:36:45,270

his brain hard to access for the first

1843

01:36:50,030 --> 01:36:48,150

time reams of information of what it was

1844

01:36:52,100 --> 01:36:50,040

supposed to make out of the outside

1845

01:36:54,890 --> 01:36:52,110

world and he couldn't do it couldn't do

1846

01:36:57,710 --> 01:36:54,900

it didn't know where to start so it was

1847

01:37:01,370 --> 01:36:57,720

attempting to reboot itself what images

1848

01:37:02,690 --> 01:37:01,380

retirement what he cause his wife was a

1849

01:37:04,790 --> 01:37:02,700

terrifying experience

1850

01:37:06,860 --> 01:37:04,800

I thought they had multiple resizable to

1851

01:37:09,470 --> 01:37:06,870

him as if the car was about to smack

1852

01:37:11,690 --> 01:37:09,480

right into them Tom's brain could not

1853

01:37:13,940 --> 01:37:11,700

focus on imagery and perspective and

1854

01:37:16,760 --> 01:37:13,950

distance all at the same time like yours

1855

01:37:19,130 --> 01:37:16,770

came it was like watching a film rocking

1856

01:37:21,260 --> 01:37:19,140

backwards the entire experience got

1857

01:37:23,000 --> 01:37:21,270

worse when you're right home he saw his

1858

01:37:25,310 --> 01:37:23,010

young sons for the first time couldn't

1859

01:37:27,170 --> 01:37:25,320

understand what he was seeing he could

1860

01:37:29,270 --> 01:37:27,180

not recognize faces or facial

1861

01:37:32,030 --> 01:37:29,280

expressions he had no face recognition

1862

01:37:32,690 --> 01:37:32,040

whatsoever to him everyone looked the

1863

01:37:37,310 --> 01:37:32,700

same

1864

01:37:42,379 --> 01:37:37,320

bright colors said shockwaves through

1865

01:37:46,930 --> 01:37:42,389

his system interesting

1866

01:37:49,580 --> 01:37:46,940

but you know when cooks square rigor

1867

01:37:53,439 --> 01:37:49,590

first encountered indigenous people in

1868

01:37:57,590 --> 01:37:53,449

Australia they completely ignored you

1869

01:38:01,760 --> 01:37:57,600

and the bird as if the crew and the huge

1870

01:38:03,859 --> 01:38:01,770

square rigger did not exist the

1871

01:38:06,200 --> 01:38:03,869

scuttlebutt is that they couldn't

1872

01:38:09,439 --> 01:38:06,210

actually see them but that's for real

1873

01:38:12,229 --> 01:38:09,449

nonsense they could see them they could

1874

01:38:15,800 --> 01:38:12,239

see them but they couldn't transpose the

1875

01:38:18,770 --> 01:38:15,810

information what they could see was so

1876

01:38:21,939 --> 01:38:18,780

far away from their worldview they

1877

01:38:25,700 --> 01:38:21,949

goaded what is even more surprising

1878

01:38:28,129 --> 01:38:25,710

continue to do so continue to do so even

1879

01:38:33,370 --> 01:38:28,139

when the crew was standing a few feet

1880

01:38:36,709 --> 01:38:33,380

away and trying to communicate with them

1881

01:38:39,709 --> 01:38:36,719

so you see what's happening in the

1882

01:38:44,169 --> 01:38:39,719

external world is not what you were

1883

01:38:47,209 --> 01:38:44,179

seeing it's something quite different

1884

01:38:49,820 --> 01:38:47,219

when 'pliance this tom was a successful

1885

01:38:51,260 --> 01:38:49,830

Paralympics kid but he's first attempted

1886

01:38:53,990 --> 01:38:51,270

to speed when he could see was a

1887

01:38:56,149 --> 01:38:54,000

complete disaster his depth perception

1888

01:38:58,430 --> 01:38:56,159

was all out of kilter he had to close

1889

01:39:00,260 --> 01:38:58,440

his eyes to see at all his brain could

1890

01:39:02,810 --> 01:39:00,270

not identify the difference between the

1891

01:39:05,270 --> 01:39:02,820

train a shadow or other people even

1892

01:39:08,629 --> 01:39:05,280

though he had perfectly normal and

1893

01:39:10,879 --> 01:39:08,639

totally restored sight his brain was

1894

01:39:13,040 --> 01:39:10,889

experiencing in many ways what the

1895

01:39:23,660 --> 01:39:13,050

Aboriginal peoples brain had been

1896

01:39:29,100 --> 01:39:27,510

well Tom's experience tells us that the

1897

01:39:31,560 --> 01:39:29,110

elements have to be in place for the

1898

01:39:34,500 --> 01:39:31,570

holographic quantum brain to make any

1899

01:39:36,860 --> 01:39:34,510

kind of sensible picture of the outside

1900

01:39:40,260 --> 01:39:36,870

world the big question of course is

1901

01:39:41,790 --> 01:39:40,270

cannot view blt can be altered

1902

01:39:44,580 --> 01:39:41,800

are the strange things that happened

1903

01:39:46,920 --> 01:39:44,590

were deliberate outside interference are

1904

01:39:48,900 --> 01:39:46,930

they alien species that we all agree

1905

01:39:51,030 --> 01:39:48,910

exist in the cosmos inside the same on

1906

01:39:55,560 --> 01:39:51,040

the ground or on the outside the

1907

01:39:57,540 --> 01:39:55,570

hologram if they're outside the hologram

1908

01:39:59,370 --> 01:39:57,550

how does that work are they acting like

1909

01:40:01,470 --> 01:39:59,380

the crew of the Starship Enterprise and

1910

01:40:03,660 --> 01:40:01,480

visiting the holodeck simply when they

1911

01:40:05,280 --> 01:40:03,670

want to and engaging with the

1912

01:40:08,850 --> 01:40:05,290

fabrication or the tension or the

1913

01:40:10,500 --> 01:40:08,860

computer game is that what they do if

1914

01:40:12,990 --> 01:40:10,510

the hologram principle includes the

1915

01:40:14,880 --> 01:40:13,000

entire cosmos they must also be inside

1916

01:40:16,380 --> 01:40:14,890

the hologram and therefore I'm also

1917

01:40:19,350 --> 01:40:16,390

viewing the external world as their

1918

01:40:22,200 --> 01:40:19,360

brains dictate however if the simulation

1919

01:40:23,910 --> 01:40:22,210

argument as Hoglund by Nick Bostrom and

1920

01:40:27,690 --> 01:40:23,920

his team from Oxford University is

1921

01:40:29,190 --> 01:40:27,700

correct this hologram containing us is

1922

01:40:31,500 --> 01:40:29,200

contained within a supercomputer

1923

01:40:34,980 --> 01:40:31,510

somewhere and he's either in our own

1924

01:40:39,000 --> 01:40:34,990

future or somewhere in space in which

1925

01:40:41,850 --> 01:40:39,010

case maybe only the solar system and

1926

01:40:44,550 --> 01:40:41,860

only us might be the actors in his

1927

01:40:49,530 --> 01:40:44,560

hologram explaining perhaps the problems

1928

01:40:54,710 --> 01:40:49,540

encountered by Virgil one it may simply

1929

01:40:58,680 --> 01:40:56,760

recently a few scientists have argued

1930

01:41:00,930 --> 01:40:58,690

that the supercomputer containing the

1931

01:41:03,780 --> 01:41:00,940

simulated universe of how complete of

1932

01:41:06,150 --> 01:41:03,790

our complexity would need all the atoms

1933

01:41:08,580 --> 01:41:06,160

in the universe to construct it but have

1934

01:41:10,590 --> 01:41:08,590

had in the addendum that does not apply

1935

01:41:16,320 --> 01:41:10,600

if

1936

01:41:23,130 --> 01:41:16,330

the solar system well there's a whole

1937

01:41:24,810 --> 01:41:23,140

bunch of stuff here now which is but if

1938

01:41:27,150 --> 01:41:24,820

you could step outside your brain and

1939

01:41:30,720 --> 01:41:27,160

perceive reality as it really is you

1940

01:41:33,180 --> 01:41:30,730

wouldn't recognize it at all the brain

1941

01:41:35,460 --> 01:41:33,190

constantly takes in billions of bytes of

1942

01:41:37,320 --> 01:41:35,470

information and then sits through it in

1943

01:41:39,870 --> 01:41:37,330

microseconds to find meaningful patterns

1944

01:41:43,220 --> 01:41:39,880

and uses those patterns to build a

1945

01:41:49,820 --> 01:41:43,230

multi-sensory technological stage show

1946

01:41:54,540 --> 01:41:52,620

the world inside your head as opposed to

1947

01:41:57,420 --> 01:41:54,550

outside your head is flooded with signs

1948

01:42:01,110 --> 01:41:57,430

and sounds and color but they're already

1949

01:42:03,540 --> 01:42:01,120

in there they didn't arrive strictly

1950

01:42:06,090 --> 01:42:03,550

speaking from outside the brain makes

1951

01:42:08,820 --> 01:42:06,100

these things your brain sees red green

1952

01:42:11,760 --> 01:42:08,830

blue if you haven't seen the Grand

1953

01:42:13,590 --> 01:42:11,770

Canyon or the motor close-quarters or

1954

01:42:16,790 --> 01:42:13,600

the weather the wind the rain everything

1955

01:42:20,850 --> 01:42:16,800

everything that you see is in there

1956

01:42:24,240 --> 01:42:20,860

composed of your brain your brain Mason

1957

01:42:26,520 --> 01:42:24,250

sir if you could construct a huge living

1958

01:42:29,640 --> 01:42:26,530

skull and climb inside you would see

1959

01:42:31,530 --> 01:42:29,650

that it's damn dark and apparently has

1960

01:42:35,340 --> 01:42:31,540

no way to obtain the information it

1961

01:42:37,230 --> 01:42:35,350

needs to construct the shard outside the

1962

01:42:39,180 --> 01:42:37,240

brain sits in silence and in total

1963

01:42:40,680 --> 01:42:39,190

isolation all the incoming

1964

01:42:43,620 --> 01:42:40,690

electrochemical signal

1965

01:42:49,140 --> 01:42:43,630

directed intense networks of brain cells

1966

01:42:53,189 --> 01:42:49,150

called neurons they fresh and sparkly

1967

01:42:55,260 --> 01:42:53,199

like an electric tramway there are 100

1968

01:42:57,689 --> 01:42:55,270

billion neurons in the human brain but

1969

01:42:59,910 --> 01:42:57,699

every second they're swapping signals

1970

01:43:03,270 --> 01:42:59,920

between each other and somehow and

1971

01:43:06,240 --> 01:43:03,280

nobody knows exactly how this gives you

1972

01:43:10,040 --> 01:43:06,250

the sense of reality which you see

1973

01:43:12,330 --> 01:43:10,050

feeling here in the external world

1974

01:43:15,180 --> 01:43:12,340

whether it's the father to talk the

1975

01:43:16,830 --> 01:43:15,190

rover cow the smell of lemon grass or

1976

01:43:19,320 --> 01:43:16,840

your wife yelling at you again

1977

01:43:23,180 --> 01:43:19,330

it's all the same stuff creating an

1978

01:43:25,680 --> 01:43:23,190

illusionary world inside your brain

1979

01:43:27,660 --> 01:43:25,690

it's an improv right so he said it's an

1980

01:43:30,240 --> 01:43:27,670

amazing piece of kids because but it can

1981

01:43:32,790 --> 01:43:30,250

go wrong and it does often go wrong and

1982

01:43:34,740 --> 01:43:32,800

fairly easily to people without Thomas

1983

01:43:36,600 --> 01:43:34,750

Franklin thought they are not that far

1984

01:43:38,340 --> 01:43:36,610

off of us though I beginning to lose the

1985

01:43:41,640 --> 01:43:38,350

ability to sit through the continuous

1986

01:43:44,550 --> 01:43:41,650

stream of income the schizophrenic said

1987

01:43:46,200 --> 01:43:44,560

the signals wrong - it's all supposed to

1988

01:43:48,270 --> 01:43:46,210

be a product of millions of years of

1989

01:43:50,270 --> 01:43:48,280

evolution a slow accumulation of

1990

01:43:54,360 --> 01:43:50,280

understanding and compromise and luck

1991

01:43:56,600 --> 01:43:54,370

not so say many people we appear to be

1992

01:43:59,189 --> 01:43:56,610

the product of intelligent intervention

1993

01:44:03,709 --> 01:43:59,199

within your a girl and that's

1994

01:44:06,780 --> 01:44:03,719

effectively what my book is about

1995

01:44:11,100 --> 01:44:06,790

so thank you guys for listening I'm