

1
00:00:18,690 --> 00:00:27,080
truck right okay go you wanna know

2
00:00:27,469 --> 00:00:32,839
okay wait Oh is everyone back now we

3
00:00:30,829 --> 00:00:34,670
will get watered and fed never think I

4
00:00:32,840 --> 00:00:36,110
hope so thanks to everyone who's

5
00:00:34,670 --> 00:00:37,969
purchased a copy of Evans land they've

6
00:00:36,109 --> 00:00:40,189
all gone now so that's really helped me

7
00:00:37,969 --> 00:00:41,988
out especially since I don't have to

8
00:00:40,189 --> 00:00:43,518
carry anyhow now it's not it's not easy

9
00:00:41,988 --> 00:00:45,518
transporting these things when you just

10
00:00:43,518 --> 00:00:48,558
got your on foot and losing the coach

11
00:00:45,518 --> 00:00:51,229
and now we're talking earlier about and

12
00:00:48,558 --> 00:00:53,750
this impending disaster which Richard

13
00:00:51,229 --> 00:00:55,099
Heinberg talks about in his book and

14
00:00:53,750 --> 00:00:57,049
he's I must say I actually Richard

15
00:00:55,100 --> 00:00:59,390
Heinberg is one of the more rational and

16
00:00:57,049 --> 00:01:01,099
more moderate people within this

17
00:00:59,390 --> 00:01:04,129
discussion and I'll say more about that

18
00:01:01,100 --> 00:01:05,478
in a minute but there is a I think some

19
00:01:04,129 --> 00:01:07,939
of the ideas he's come out with a quite

20
00:01:05,478 --> 00:01:09,170
dangerous and ranch and this looks for a

21
00:01:07,938 --> 00:01:11,089
grim what I've been talking about but

22
00:01:09,170 --> 00:01:13,728
I'm gonna reveal why I don't agree with

23
00:01:11,090 --> 00:01:15,710
him and why there is oh if there's more

24
00:01:13,728 --> 00:01:17,750
than hope I think everything all this is

25
00:01:15,709 --> 00:01:19,849
preventable but let's go into some of

26
00:01:17,750 --> 00:01:21,560
these solutions that are mainstream in

27
00:01:19,849 --> 00:01:23,750
our society and how they've been

28
00:01:21,560 --> 00:01:27,310
suggested one of those is nuclear power

29

00:01:23,750 --> 00:01:29,810
now nuclear power has changed its it's

30
00:01:27,310 --> 00:01:31,730
the way people see it in the last few

31
00:01:29,810 --> 00:01:33,740
years don't is there are some people

32
00:01:31,730 --> 00:01:36,290
within the environmental movement now

33
00:01:33,739 --> 00:01:37,609
who are now pro nuclear power which is

34
00:01:36,290 --> 00:01:39,950
quite remarkable when you consider how

35
00:01:37,609 --> 00:01:41,780
years ago you know the stickers nuclear

36
00:01:39,950 --> 00:01:45,340
powers no thanks we're on the back of

37
00:01:41,780 --> 00:01:48,140
every dorm appeal and every 2cv and

38
00:01:45,340 --> 00:01:50,689
Volkswagen Beetle all the other cliché

39
00:01:48,140 --> 00:01:53,870
cars these people drive it really wasn't

40
00:01:50,689 --> 00:01:56,840
new to power no facts that pencil but of

41
00:01:53,870 --> 00:01:58,159
course disasters like an Fukushima I've

42
00:01:56,840 --> 00:02:01,700
illustrated that one of the

43
00:01:58,159 --> 00:02:04,190

disadvantages of nuclear-powered now on

44

00:02:01,700 --> 00:02:07,549

some environmentalists like them there's

45

00:02:04,189 --> 00:02:09,408

my called mark Lynas who is a man losing

46

00:02:07,549 --> 00:02:12,019

Oxford actually he's an environmental

47

00:02:09,408 --> 00:02:15,348

campaigner he's now Pro nuclear power

48

00:02:12,019 --> 00:02:16,969

and he's split off from the Green Party

49

00:02:15,348 --> 00:02:19,250

all these other people who still anti

50

00:02:16,969 --> 00:02:21,560

nuclear power there's another one George

51

00:02:19,250 --> 00:02:25,810

mom Bo who's a bit better though than

52

00:02:21,560 --> 00:02:27,640

mark lynas is slightly more cheerful and

53

00:02:25,810 --> 00:02:31,599

mar- is a miserable

54

00:02:27,639 --> 00:02:35,079

he really is um was Erik Jones calls him

55

00:02:31,599 --> 00:02:37,479

Lord Monbiot that spindly little twit

56

00:02:35,080 --> 00:02:39,880

not a man at a monster you can see that

57

00:02:37,479 --> 00:02:44,049

hilarious that rat isn't George monkey

58
00:02:39,879 --> 00:02:47,109
around to see areas um but nuclear

59
00:02:44,050 --> 00:02:50,020
fission power know the advantages are it

60
00:02:47,110 --> 00:02:51,910
is it doesn't release gases and noxious

61
00:02:50,020 --> 00:02:55,600
chemicals into the air and for people

62
00:02:51,909 --> 00:02:57,400
who believe in carbon dioxide proper to

63
00:02:55,599 --> 00:03:00,629
produce climate change its appeal is

64
00:02:57,400 --> 00:03:03,700
that it is carbon neutral carbon neutral

65
00:03:00,629 --> 00:03:05,699
George Monbiot and mark lynas support

66
00:03:03,699 --> 00:03:08,199
nuclear power primarily for that fact

67
00:03:05,699 --> 00:03:10,329
the disadvantages you won't have to go

68
00:03:08,199 --> 00:03:13,599
look for a bachina and you can see it or

69
00:03:10,330 --> 00:03:15,070
Chernobyl in Ukraine the disaster caused

70
00:03:13,599 --> 00:03:17,289
by the nuclear accidents in those places

71
00:03:15,069 --> 00:03:18,759
there's wind scale here in Britain has

72
00:03:17,289 --> 00:03:21,429
three mile island in the in the united

73
00:03:18,759 --> 00:03:23,859
states when something goes wrong with

74
00:03:21,430 --> 00:03:25,810
these things it really goes wrong the

75
00:03:23,860 --> 00:03:28,750
industry will say it safe they have all

76
00:03:25,810 --> 00:03:30,670
these safeguards but disasters happen

77
00:03:28,750 --> 00:03:33,159
disasters happen to sleep like in

78
00:03:30,669 --> 00:03:35,738
submarine canine teams for example I

79
00:03:33,159 --> 00:03:37,930
know which killed nearly all its crew

80
00:03:35,739 --> 00:03:39,459
over a period of a few years those that

81
00:03:37,930 --> 00:03:44,349
didn't die in initial accident direct

82
00:03:39,459 --> 00:03:45,909
cancer later on and but that is nuclear

83
00:03:44,349 --> 00:03:48,219
that's a particular cognitive powers

84
00:03:45,909 --> 00:03:50,319
nuclear fission power nuclear fission

85
00:03:48,219 --> 00:03:52,840
has been around for getting on there's

86

00:03:50,319 --> 00:03:57,400
been around since the middle of 20th

87
00:03:52,840 --> 00:03:59,799
century now and we've play see what

88
00:03:57,400 --> 00:04:01,329
happens is they use they take material

89
00:03:59,799 --> 00:04:03,219
such as they take the pictures like

90
00:04:01,329 --> 00:04:06,040
Iranian these are heavy metals they

91
00:04:03,219 --> 00:04:07,810
split the atoms and the atoms fly apart

92
00:04:06,039 --> 00:04:09,340
and they split other atoms and those

93
00:04:07,810 --> 00:04:11,199
atoms of life on Earth etcetera is you

94
00:04:09,340 --> 00:04:13,239
get a chain reaction that releases the

95
00:04:11,199 --> 00:04:15,069
energy the dangers of that is the

96
00:04:13,239 --> 00:04:18,000
ionizing radiation caused by that

97
00:04:15,069 --> 00:04:20,858
process of course and the toxic waste

98
00:04:18,000 --> 00:04:24,129
once these once this nuclear fuel is

99
00:04:20,858 --> 00:04:25,930
spend it creates sonik order blutonium

100
00:04:24,129 --> 00:04:27,740

which is one with it is the most

101

00:04:25,930 --> 00:04:30,410

poisonous substance known to man

102

00:04:27,740 --> 00:04:31,728

it can be used in nuclear weapons as

103

00:04:30,410 --> 00:04:34,729

well if it's stolen it can be used to

104

00:04:31,728 --> 00:04:36,409

make illicit nuclear weapons if you

105

00:04:34,728 --> 00:04:38,689

believe there are such things as the

106

00:04:36,410 --> 00:04:41,090

jiten as you non illicit nuclear weapons

107

00:04:38,689 --> 00:04:43,038

and basically they're very very

108

00:04:41,089 --> 00:04:45,019

dangerous than their poison I think this

109

00:04:43,038 --> 00:04:47,469

has to be buried underground vaults

110

00:04:45,019 --> 00:04:50,568

where they'll have to be there for over

111

00:04:47,470 --> 00:04:54,530

300 hundred thousand years before

112

00:04:50,569 --> 00:04:56,330

they're safe and basically there's a

113

00:04:54,529 --> 00:04:57,918

finite amount you can only bury so much

114

00:04:56,329 --> 00:04:59,719

with this toxic stuff underground before

115
00:04:57,918 --> 00:05:02,029
it becomes a major environmental hazard

116
00:04:59,720 --> 00:05:07,159
not just for us but for future

117
00:05:02,029 --> 00:05:08,809
generations next slide please but son

118
00:05:07,158 --> 00:05:10,399
there's other forms of nuclear power as

119
00:05:08,810 --> 00:05:13,158
well and one of those is nuclear fusion

120
00:05:10,399 --> 00:05:15,948
power I'm very lucky in Oxford because I

121
00:05:13,158 --> 00:05:18,769
live just a few miles away from one of

122
00:05:15,949 --> 00:05:20,210
the primary world world centers for

123
00:05:18,769 --> 00:05:21,918
nuclear fusion research this is the

124
00:05:20,209 --> 00:05:24,288
column center for fusion energy and

125
00:05:21,918 --> 00:05:27,279
their joint European Tour us this is a

126
00:05:24,288 --> 00:05:29,779
photograph taken inside the jet 2

127
00:05:27,279 --> 00:05:32,809
reactor basically it's called a tokamak

128
00:05:29,779 --> 00:05:35,000
and it's a nucleating it's a nuclear

129
00:05:32,810 --> 00:05:36,680
power plant as nuclear power plant is

130
00:05:35,000 --> 00:05:39,800
very very different so the nuclear

131
00:05:36,680 --> 00:05:41,750
fission power plant firstly it runs off

132
00:05:39,800 --> 00:05:43,788
fusion instead efficient what happens is

133
00:05:41,750 --> 00:05:47,240
instead of splitting atoms apart it

134
00:05:43,788 --> 00:05:49,009
fuses them together and this release is

135
00:05:47,240 --> 00:05:51,079
even more energy get even more compact

136
00:05:49,009 --> 00:05:53,449
than nuclear fission nuclear fission

137
00:05:51,079 --> 00:05:55,519
power is and about a thousand times as

138
00:05:53,449 --> 00:05:57,319
compact as coal and oil opposites this

139
00:05:55,519 --> 00:05:59,389
is about a thousand times as compact as

140
00:05:57,319 --> 00:06:02,280
nuclear fission there's a million times

141
00:05:59,389 --> 00:06:06,090
as compact as coal and oil

142
00:06:02,279 --> 00:06:07,829
the is you see here this is a picture on

143

00:06:06,089 --> 00:06:09,839
the left you see a cutaway that's that's

144
00:06:07,829 --> 00:06:11,789
it in operation that basically is fusing

145
00:06:09,839 --> 00:06:14,009
gas it fuses it enormously high

146
00:06:11,790 --> 00:06:15,780
temperatures millions of degrees that's

147
00:06:14,009 --> 00:06:17,699
a problem with a lot there's a lot of

148
00:06:15,779 --> 00:06:19,500
engineering obstacles to overcome to

149
00:06:17,699 --> 00:06:22,168
make this work because you need to get

150
00:06:19,500 --> 00:06:23,610
the gas which is fusing and a very very

151
00:06:22,168 --> 00:06:25,979
high temperature millions of degrees

152
00:06:23,610 --> 00:06:27,780
like I said there's a new production

153
00:06:25,980 --> 00:06:31,650
plant being built in France now called

154
00:06:27,779 --> 00:06:36,659
eater ITER and that's going to take a

155
00:06:31,649 --> 00:06:39,149
while to build and the fuel is it so

156
00:06:36,660 --> 00:06:41,070
heavy metals are things like that for

157
00:06:39,149 --> 00:06:42,689

instance uranium I should have pointed

158

00:06:41,069 --> 00:06:45,810

out in the previous slide uranium is

159

00:06:42,689 --> 00:06:47,699

going to run out before oil there's only

160

00:06:45,810 --> 00:06:49,589

about 25 years left of uranium in the

161

00:06:47,699 --> 00:06:53,819

ground which is another reason not to

162

00:06:49,589 --> 00:06:56,639

support nuclear fission power we passed

163

00:06:53,819 --> 00:06:59,519

peak uranium long time ago and now it's

164

00:06:56,639 --> 00:07:01,560

on decline deuterium is the fuel for

165

00:06:59,519 --> 00:07:03,089

nuclear fusion deuterium is extremely

166

00:07:01,560 --> 00:07:04,978

common is one of the most common

167

00:07:03,089 --> 00:07:07,529

substances in the world is found in

168

00:07:04,978 --> 00:07:11,610

water just plain old you can run this

169

00:07:07,529 --> 00:07:12,959

thing off water it's but because of the

170

00:07:11,610 --> 00:07:15,090

engineering obstacles that are going to

171

00:07:12,959 --> 00:07:16,379

overcome it's a long long time before

172
00:07:15,089 --> 00:07:18,029
we're going to get power stations

173
00:07:16,379 --> 00:07:20,550
commercial power stations field of this

174
00:07:18,029 --> 00:07:21,929
stuff ito won't come on line for at

175
00:07:20,550 --> 00:07:23,520
least another ten years it's still being

176
00:07:21,930 --> 00:07:25,410
built right now I've been following it

177
00:07:23,519 --> 00:07:27,569
on youtube the building a meter and

178
00:07:25,410 --> 00:07:30,240
france that's an experimental power

179
00:07:27,569 --> 00:07:31,699
plant once that's once that's proven to

180
00:07:30,240 --> 00:07:35,100
work i have to build a demonstration

181
00:07:31,699 --> 00:07:37,680
power up our demonstration power station

182
00:07:35,100 --> 00:07:38,879
separate from eater that will be

183
00:07:37,680 --> 00:07:40,350
connected to the grid and then it's only

184
00:07:38,879 --> 00:07:42,000
after that they'll start building other

185
00:07:40,350 --> 00:07:43,379
power stations and other places and

186
00:07:42,000 --> 00:07:44,788
we'll have to motion for nuclear fusion

187
00:07:43,379 --> 00:07:46,110
power which alter probably the end of

188
00:07:44,788 --> 00:07:53,029
the century when they finally get around

189
00:07:46,110 --> 00:07:53,030
to it money next slide please

190
00:07:53,259 --> 00:07:59,809
so does it this comedian called robert

191
00:07:57,139 --> 00:08:01,459
newman just quite funny even like I

192
00:07:59,809 --> 00:08:05,629
disagree with him like the way I

193
00:08:01,459 --> 00:08:07,369
disagree we brought heinberg and but

194
00:08:05,629 --> 00:08:09,439
he's quite funny because he dresses up

195
00:08:07,369 --> 00:08:12,709
as the devil when he goes there's no way

196
00:08:09,439 --> 00:08:14,028
out he's done that he's got this comedy

197
00:08:12,709 --> 00:08:17,059
show called a history of oil which is

198
00:08:14,028 --> 00:08:19,278
very very funny and that's kind of how

199
00:08:17,059 --> 00:08:21,679
we feel right now that's kind of what is

200

00:08:19,278 --> 00:08:23,149
what is like right now this is the graph

201
00:08:21,678 --> 00:08:24,258
with I was talking about oh this is

202
00:08:23,149 --> 00:08:26,689
playing birds brought this is the

203
00:08:24,259 --> 00:08:29,019
pessimistic doomsday prediction for the

204
00:08:26,689 --> 00:08:32,808
future based on his work and many others

205
00:08:29,019 --> 00:08:35,000
as we see here population has continued

206
00:08:32,808 --> 00:08:36,620
to rise to a certain level and keeps

207
00:08:35,000 --> 00:08:38,479
going up and up and up resources shrink

208
00:08:36,620 --> 00:08:41,028
to nothing in other words that's the

209
00:08:38,479 --> 00:08:42,769
sugar gone and the east in the brew and

210
00:08:41,028 --> 00:08:45,948
then the environmental destruction

211
00:08:42,769 --> 00:08:48,169
reaches a point where is irreparable and

212
00:08:45,948 --> 00:08:51,708
complete at that point energy production

213
00:08:48,169 --> 00:08:53,958
drops of course because the resources to

214
00:08:51,708 --> 00:08:56,239

create energy have gone and most

215

00:08:53,958 --> 00:08:59,208

chilling me of all population drops like

216

00:08:56,240 --> 00:09:03,579

the yeast in Hyndburn analogy we all die

217

00:08:59,208 --> 00:09:07,099

and in this scenario there would be

218

00:09:03,578 --> 00:09:08,628

untold in a disaster on I'm unimaginable

219

00:09:07,100 --> 00:09:10,339

we have seven and a half maybe more

220

00:09:08,629 --> 00:09:13,519

people more billion people on the earth

221

00:09:10,339 --> 00:09:14,809

who suddenly have no supply of energy to

222

00:09:13,519 --> 00:09:16,549

have known supply of energy doesn't mean

223

00:09:14,808 --> 00:09:18,350

you just don't have it you can't switch

224

00:09:16,549 --> 00:09:24,500

your lights on it means you don't have

225

00:09:18,350 --> 00:09:27,110

any food because our RM our food supply

226

00:09:24,500 --> 00:09:29,120

our farms are is dependent on energy its

227

00:09:27,110 --> 00:09:30,919

energy as I explained earlier bits we

228

00:09:29,120 --> 00:09:34,100

now use tractors to pull plows instead

229
00:09:30,919 --> 00:09:36,979
of mules also we use oil is needed to

230
00:09:34,100 --> 00:09:39,439
produce the agro chemicals oil is needed

231
00:09:36,980 --> 00:09:43,339
to fuel the lorries which drive the food

232
00:09:39,438 --> 00:09:45,019
to the shops so we can buy it um because

233
00:09:43,339 --> 00:09:47,000
we don't we don't buy we don't have our

234
00:09:45,019 --> 00:09:49,308
own farms and local area or some people

235
00:09:47,000 --> 00:09:52,120
do but not many we import stuff from

236
00:09:49,308 --> 00:09:54,588
across the world but you need I saw some

237
00:09:52,120 --> 00:09:56,350
tomatoes in the shop the other day today

238
00:09:54,589 --> 00:09:59,209
from Zimbabwe to

239
00:09:56,350 --> 00:10:01,069
you get some more tips here even a whale

240
00:09:59,208 --> 00:10:02,688
she's grown in your greenhouse why bring

241
00:10:01,068 --> 00:10:04,219
them from Zimbabwe well listen Bob

242
00:10:02,688 --> 00:10:06,349
Williams eat that smart as we are

243
00:10:04,220 --> 00:10:09,528
husband uh no they brought it to a broad

244
00:10:06,350 --> 00:10:12,019
that takes energy and it's be calculated

245
00:10:09,528 --> 00:10:14,600
that for every single calorie food

246
00:10:12,019 --> 00:10:16,818
energy we consume seven calories of oil

247
00:10:14,600 --> 00:10:19,129
energy is necessary and I was risen

248
00:10:16,818 --> 00:10:20,688
because you only think about about 50

249
00:10:19,129 --> 00:10:23,209
years and it was like was that he was

250
00:10:20,688 --> 00:10:25,219
the other way around it was seven food

251
00:10:23,208 --> 00:10:30,708
cars per one cameraman oil energy nouns

252
00:10:25,220 --> 00:10:33,759
reverse next slide please it goes by

253
00:10:30,708 --> 00:10:36,919
several names that collapse arm again

254
00:10:33,759 --> 00:10:41,169
before the most common ones words used

255
00:10:36,919 --> 00:10:44,028
and Richard Heinberg talks about this in

256
00:10:41,169 --> 00:10:47,240
almighty almost in a humorous way the

257

00:10:44,028 --> 00:10:49,399
party's own releases and there are other

258
00:10:47,240 --> 00:10:51,438
people similar who are similar to home

259
00:10:49,399 --> 00:10:54,169
build in their in their views but I'm

260
00:10:51,438 --> 00:10:56,990
far more extreme they have fun they're

261
00:10:54,169 --> 00:10:58,938
far more extreme they are for instance

262
00:10:56,990 --> 00:11:04,428
there's a man in film called penting

263
00:10:58,938 --> 00:11:06,889
liquor who is the iza self-confessed eco

264
00:11:04,428 --> 00:11:10,220
fascist and he believes in order to

265
00:11:06,889 --> 00:11:12,438
prevent something like this he recommend

266
00:11:10,220 --> 00:11:14,689
the nuclear bombardment of all the major

267
00:11:12,438 --> 00:11:16,629
cities in the world to kill off ninety

268
00:11:14,688 --> 00:11:20,149
percent of the world's population

269
00:11:16,629 --> 00:11:26,778
followed by a kind of an eco communist

270
00:11:20,149 --> 00:11:27,708
some global regime where people are not

271
00:11:26,778 --> 00:11:29,778

allowed to do anything the only

272

00:11:27,708 --> 00:11:31,849
transport we labs bikes and advising

273

00:11:29,778 --> 00:11:33,649
stripper extreme but there's people who

274

00:11:31,850 --> 00:11:36,230
are listening to this map and there's a

275

00:11:33,649 --> 00:11:38,240
guy America called Soren Renner who

276

00:11:36,230 --> 00:11:39,889
often does speeches about this and he he

277

00:11:38,240 --> 00:11:43,249
has a catch phrase which is billions

278

00:11:39,889 --> 00:11:45,049
will die we will win and he he's pushing

279

00:11:43,249 --> 00:11:46,639
that's a plenty lincoler and they have

280

00:11:45,049 --> 00:11:49,370
that they have the kidney they have this

281

00:11:46,639 --> 00:11:50,688
analogy there's this almost a slogan the

282

00:11:49,370 --> 00:11:53,120
slogans like this they use they say

283

00:11:50,688 --> 00:11:56,028
things like them when the ship goes down

284

00:11:53,120 --> 00:11:58,698
and there's a hundred people in the

285

00:11:56,028 --> 00:12:01,938
water drowning there's only one lifeboat

286
00:11:58,698 --> 00:12:03,109
it only holds 10 people the haters of

287
00:12:01,938 --> 00:12:05,240
life other

288
00:12:03,110 --> 00:12:06,589
we'll reach their hands out to pull the

289
00:12:05,240 --> 00:12:08,839
people in the water are born knowing

290
00:12:06,589 --> 00:12:11,180
that it will swamp the entire boat and

291
00:12:08,839 --> 00:12:12,829
caused everyone to drown the lovers of

292
00:12:11,179 --> 00:12:15,049
life are those who are willing to take

293
00:12:12,828 --> 00:12:18,919
the ship's ax and a cut the hands on the

294
00:12:15,049 --> 00:12:21,528
Gunners it's really to the air of

295
00:12:18,919 --> 00:12:23,750
desperation is really caught can you do

296
00:12:21,528 --> 00:12:29,990
that voice I've got our drink after do

297
00:12:23,750 --> 00:12:35,149
that noise the area of desperation is

298
00:12:29,990 --> 00:12:37,039
really incredible really I said that's

299
00:12:35,149 --> 00:12:39,589
what I'm well girl is up there people

300
00:12:37,039 --> 00:12:42,980
calling for very extreme measures to

301
00:12:39,589 --> 00:12:44,690
prevent this concluding mix them as i

302
00:12:42,980 --> 00:12:48,200
said the extermination of most of people

303
00:12:44,690 --> 00:12:52,640
on earth and I think there's that's

304
00:12:48,200 --> 00:12:54,740
falling born because um I think there is

305
00:12:52,639 --> 00:12:58,838
an agenda to do that and this is being

306
00:12:54,740 --> 00:12:58,839
used not as the reason but as the excuse

307
00:12:59,019 --> 00:13:04,399
I'll explain I will explain and but

308
00:13:02,539 --> 00:13:06,078
basically the new idea isn't I think

309
00:13:04,399 --> 00:13:07,909
this is good this is being discussed in

310
00:13:06,078 --> 00:13:09,620
private now and seen publicly like

311
00:13:07,909 --> 00:13:11,328
people like Rena unlike lincoler and

312
00:13:09,620 --> 00:13:13,100
also Bill Gates in his own way is

313
00:13:11,328 --> 00:13:15,229
actually quite extreme he's actually

314

00:13:13,100 --> 00:13:16,009
quite he's quite a radical when it comes

315
00:13:15,230 --> 00:13:18,889
to this sort of thing but they're

316
00:13:16,009 --> 00:13:21,799
basically saying that we need in order

317
00:13:18,889 --> 00:13:25,039
to prevent this from happening we need a

318
00:13:21,799 --> 00:13:26,750
global authoritarian government with a

319
00:13:25,039 --> 00:13:29,870
completely planned economy research

320
00:13:26,750 --> 00:13:32,750
resource based industry and then to all

321
00:13:29,870 --> 00:13:35,000
national national boundaries and enter

322
00:13:32,750 --> 00:13:37,309
independent governments a single global

323
00:13:35,000 --> 00:13:42,320
authoritarian planned the government

324
00:13:37,309 --> 00:13:45,349
shall organize everything now and in

325
00:13:42,320 --> 00:13:47,329
other words a new world order you

326
00:13:45,350 --> 00:13:49,250
probably heard this before this the new

327
00:13:47,328 --> 00:13:52,819
world all is now the solution to this

328
00:13:49,250 --> 00:13:55,879

it's being seen as a necessary evil the

329

00:13:52,820 --> 00:13:58,278

ultimate evil but is necessary for the

330

00:13:55,879 --> 00:14:00,139

evil that's beyond ultimate if you don't

331

00:13:58,278 --> 00:14:01,519

support a new world order now you don't

332

00:14:00,139 --> 00:14:04,830

care about the plan you don't care about

333

00:14:01,519 --> 00:14:08,740

humanity all the planet Earth

334

00:14:04,830 --> 00:14:11,440

and then this is really the sting in the

335

00:14:08,740 --> 00:14:12,669

tail that this everything that hi bug

336

00:14:11,440 --> 00:14:15,160

has been talking around everything all

337

00:14:12,669 --> 00:14:16,419

these ideas are being is fueling the

338

00:14:15,159 --> 00:14:18,338

agenda for some people some people

339

00:14:16,419 --> 00:14:23,379

acting in good faith you really believe

340

00:14:18,339 --> 00:14:28,570

it to suggest a new world order to save

341

00:14:23,379 --> 00:14:31,269

the world next slide please I believe

342

00:14:28,570 --> 00:14:34,528

that some of these some measures are

343
00:14:31,269 --> 00:14:37,449
already underway chemtrails I don't know

344
00:14:34,528 --> 00:14:38,980
exactly what they are I've done exactly

345
00:14:37,450 --> 00:14:41,528
what they're doing some people say they

346
00:14:38,980 --> 00:14:44,289
are there to there are part of a climate

347
00:14:41,528 --> 00:14:45,909
change in leavey ation program to solar

348
00:14:44,289 --> 00:14:47,860
radiation management they reflect raise

349
00:14:45,909 --> 00:14:49,480
back up into space some people say

350
00:14:47,860 --> 00:14:51,519
they're they're spreading biological

351
00:14:49,480 --> 00:14:53,710
material into the biosphere into the

352
00:14:51,519 --> 00:14:56,319
across the world shipped jets

353
00:14:53,710 --> 00:14:59,950
genetically alter humans animals plants

354
00:14:56,320 --> 00:15:02,500
and everything else in order to to save

355
00:14:59,950 --> 00:15:04,270
the world from destruction I don't know

356
00:15:02,500 --> 00:15:05,589
what they are actually note I do know

357
00:15:04,269 --> 00:15:07,419
they exist and I do know they're bad

358
00:15:05,589 --> 00:15:09,630
news for us there's lots of different

359
00:15:07,419 --> 00:15:14,338
ideas to this I don't know what they are

360
00:15:09,629 --> 00:15:19,179
next slide please so genetically alter

361
00:15:14,339 --> 00:15:21,790
life solutely is in a new form which

362
00:15:19,179 --> 00:15:24,338
will make it more suitable to a future

363
00:15:21,789 --> 00:15:25,870
world this new world order is not just

364
00:15:24,339 --> 00:15:28,839
going to be a political change or even a

365
00:15:25,870 --> 00:15:30,700
political and economic revolution but

366
00:15:28,839 --> 00:15:33,190
also the intention is for it to be a

367
00:15:30,700 --> 00:15:35,589
biological revolution as well a change

368
00:15:33,190 --> 00:15:39,520
in what it means to be alive to what we

369
00:15:35,589 --> 00:15:41,350
thought life mates and we're eating or

370
00:15:39,519 --> 00:15:44,409
any food which is not natural in

371

00:15:41,350 --> 00:15:45,839
treating food which is created which is

372
00:15:44,409 --> 00:15:49,629
genetically changed in the laboratory

373
00:15:45,839 --> 00:15:51,760
we're told it's safe but the people who

374
00:15:49,629 --> 00:15:54,039
say it's safe have are connected to the

375
00:15:51,759 --> 00:15:58,950
industry I think they have they're not

376
00:15:54,039 --> 00:15:58,949
people we can trust the month recording

377
00:15:59,490 --> 00:16:07,560
sorry this one moment ladies and

378
00:16:01,450 --> 00:16:07,560
gentlemen I'm not recording call in now

379
00:16:08,850 --> 00:16:16,090
so um and I think it's it all parlous

380
00:16:14,559 --> 00:16:17,289
there's many other exams like your kit

381
00:16:16,090 --> 00:16:20,170
which I don't have time to give it out

382
00:16:17,289 --> 00:16:22,329
about how the world is changing the

383
00:16:20,169 --> 00:16:24,879
world is being artificially changed into

384
00:16:22,330 --> 00:16:27,000
a new form and lots of whelming people

385
00:16:24,879 --> 00:16:29,159

have been recruited into doing this

386

00:16:27,000 --> 00:16:33,120

because they believe they have to

387

00:16:29,159 --> 00:16:39,100

because of the danger that's facing us

388

00:16:33,120 --> 00:16:42,399

next slide place as the late great

389

00:16:39,100 --> 00:16:44,590

Robert Anton Wilson once said our planet

390

00:16:42,399 --> 00:16:46,750

is one increasingly resembling a huge

391

00:16:44,590 --> 00:16:48,550

mass collective security prison the only

392

00:16:46,750 --> 00:16:52,210

intelligent choice is to plan a jail

393

00:16:48,549 --> 00:16:56,109

break so don't though I care another

394

00:16:52,210 --> 00:16:58,810

world to of course I do but the truth of

395

00:16:56,110 --> 00:17:00,519

the matter is as I've said at the very

396

00:16:58,809 --> 00:17:02,919

beginning when I showed you a picture of

397

00:17:00,519 --> 00:17:05,259

Richard Heinberg wrong Rock Ridge and I

398

00:17:02,919 --> 00:17:08,049

begin I don't agree with him I don't

399

00:17:05,259 --> 00:17:10,209

agree with anything to people truth of

400
00:17:08,049 --> 00:17:14,769
the matter is the ship is not sinking

401
00:17:10,209 --> 00:17:17,890
it's been scuttled and the captain is

402
00:17:14,769 --> 00:17:20,859
the one behind the scuttling he's doing

403
00:17:17,890 --> 00:17:24,940
it so he can trick us into the water and

404
00:17:20,859 --> 00:17:30,179
into the lifeboat so we can hack it

405
00:17:24,940 --> 00:17:30,180
hands with axes and then the captain can

406
00:17:30,619 --> 00:17:35,129
to take a lifeboat and run a much

407
00:17:32,970 --> 00:17:37,079
tighter ship on board that lifeboat with

408
00:17:35,130 --> 00:17:41,880
fewer people than he did on board a ship

409
00:17:37,079 --> 00:17:43,500
to adapt the Rena length my analogy if

410
00:17:41,880 --> 00:17:46,440
we end up in that lifeboat were in the

411
00:17:43,500 --> 00:17:50,400
scene then it'll because and there's no

412
00:17:46,440 --> 00:17:51,630
other way to put it but the truth of the

413
00:17:50,400 --> 00:17:57,769
matter is it will be because we were

414
00:17:51,630 --> 00:17:59,790
tricked into it now what we what we need

415
00:17:57,769 --> 00:18:02,220
really is a new energy source with

416
00:17:59,789 --> 00:18:04,920
either energy source which is abundant

417
00:18:02,220 --> 00:18:07,650
if infinite or at least very abundant

418
00:18:04,920 --> 00:18:10,710
but it's cheap but it's not

419
00:18:07,650 --> 00:18:12,570
environmentally friendly and is easy to

420
00:18:10,710 --> 00:18:15,840
access and very very powerful so that we

421
00:18:12,569 --> 00:18:20,240
can it can replace oil and so unlike

422
00:18:15,839 --> 00:18:23,429
with solar power it's actually practical

423
00:18:20,240 --> 00:18:26,519
but there is you see there is this

424
00:18:23,430 --> 00:18:31,140
energy source there always has been the

425
00:18:26,519 --> 00:18:32,579
means to create energy exists and it can

426
00:18:31,140 --> 00:18:36,660
be created out the pro fabric of the

427
00:18:32,579 --> 00:18:38,669
universe energy that's clean completely

428

00:18:36,660 --> 00:18:41,810
clean not environmentally damaging in

429
00:18:38,670 --> 00:18:45,480
any way it's freeze and tossed a name

430
00:18:41,809 --> 00:18:47,819
it's very simple to access it so it's

431
00:18:45,480 --> 00:18:50,279
really you don't have to you don't have

432
00:18:47,819 --> 00:18:52,200
to pay much for in terms of generating

433
00:18:50,279 --> 00:18:54,779
it unlike fossil fuels costs a lot of

434
00:18:52,200 --> 00:18:59,340
money and it's available infinite

435
00:18:54,779 --> 00:19:02,700
amounts the means to access this energy

436
00:18:59,339 --> 00:19:03,779
are so in some cases surprisingly simple

437
00:19:02,700 --> 00:19:06,210
you don't need a large hadron collider

438
00:19:03,779 --> 00:19:08,899
or some big power station you can do it

439
00:19:06,210 --> 00:19:11,190
very simply you could do it in your home

440
00:19:08,900 --> 00:19:14,009
you do a very very simple piece of

441
00:19:11,190 --> 00:19:16,190
engineering very basic and it's even

442
00:19:14,009 --> 00:19:20,490

presence in nature it's been observed in

443

00:19:16,190 --> 00:19:22,650

some weather conditions and even some

444

00:19:20,490 --> 00:19:24,549

animals and plants have evolved to use

445

00:19:22,650 --> 00:19:28,870

it

446

00:19:24,549 --> 00:19:33,519

now scientists in the mainstream they

447

00:19:28,869 --> 00:19:34,929

will call it over unity our unity this

448

00:19:33,519 --> 00:19:39,220

basically is like it's a scientific

449

00:19:34,930 --> 00:19:40,720

heresy because it is taking more energy

450

00:19:39,220 --> 00:19:42,370

out of system you put in there should be

451

00:19:40,720 --> 00:19:44,319

impossible there are laws the laws of

452

00:19:42,369 --> 00:19:45,789

thermodynamics laws of the conference of

453

00:19:44,319 --> 00:19:47,710

conservation of energy the laws of

454

00:19:45,789 --> 00:19:56,049

entropy et cetera which are meant to

455

00:19:47,710 --> 00:19:57,430

prevent this from happening but recently

456

00:19:56,049 --> 00:20:01,329

we've been hearing about the zero-point

457
00:19:57,430 --> 00:20:03,220
energy that physicists are saying that

458
00:20:01,329 --> 00:20:04,899
there is an energy field in the universe

459
00:20:03,220 --> 00:20:06,940
even if you take away all the thermal

460
00:20:04,900 --> 00:20:08,920
energy from it they're left with

461
00:20:06,940 --> 00:20:10,870
something we're told it's not accessible

462
00:20:08,920 --> 00:20:12,160
you can't tap it you can't use it well

463
00:20:10,869 --> 00:20:13,959
if you can't think you can what if you

464
00:20:12,160 --> 00:20:21,850
can what if they were was a way of doing

465
00:20:13,960 --> 00:20:23,410
it now you might say to me well Ben this

466
00:20:21,849 --> 00:20:25,029
is it's wonderful this new invention

467
00:20:23,410 --> 00:20:26,740
that's just come along what you know

468
00:20:25,029 --> 00:20:29,259
it's great but it's not a new invention

469
00:20:26,740 --> 00:20:31,329
that's just come along it's been around

470
00:20:29,259 --> 00:20:34,539
for a very very long time we're talking

471
00:20:31,329 --> 00:20:37,059
over a century now close to a century

472
00:20:34,539 --> 00:20:38,799
and a half plans could devices like this

473
00:20:37,059 --> 00:20:40,059
date back before the age of oil even

474
00:20:38,799 --> 00:20:44,019
when we're on the edge of coal in the

475
00:20:40,059 --> 00:20:46,000
industrial revolution and obviously

476
00:20:44,019 --> 00:20:49,359
don't give you a few examples and I'm

477
00:20:46,000 --> 00:20:52,119
going to start with a with a particular

478
00:20:49,359 --> 00:20:54,459
case which I sure will make future

479
00:20:52,119 --> 00:20:56,500
schoolchildren smirk in their science

480
00:20:54,460 --> 00:21:00,100
lessons there's something to talk to you

481
00:20:56,500 --> 00:21:03,039
about George a bigot he was famous for

482
00:21:00,099 --> 00:21:04,629
levitating his balls but I don't worry

483
00:21:03,039 --> 00:21:06,099
the next slide is not going to be what

484
00:21:04,630 --> 00:21:09,790
you think it's going to be next slide

485

00:21:06,099 --> 00:21:12,849
please this is Georgia picketing in 1903

486
00:21:09,789 --> 00:21:16,079
he applied for a patent because he found

487
00:21:12,849 --> 00:21:18,549
a way to levitate steel balls using

488
00:21:16,079 --> 00:21:19,809
electric electric current so this is

489
00:21:18,549 --> 00:21:22,690
what's known as an electro gravity

490
00:21:19,809 --> 00:21:24,109
effect whether you make note of Thomas

491
00:21:22,690 --> 00:21:27,410
Townsend Brown

492
00:21:24,109 --> 00:21:29,298
and things that he's discovered this is

493
00:21:27,410 --> 00:21:33,460
some of this basically electric and

494
00:21:29,298 --> 00:21:37,150
electrical energy is transferred into a

495
00:21:33,460 --> 00:21:39,620
system in which for some reason somehow

496
00:21:37,150 --> 00:21:42,259
group the gravitational field on that

497
00:21:39,619 --> 00:21:44,329
object is reduced or even cancelled out

498
00:21:42,259 --> 00:21:45,769
allowing it to levitate to lift into the

499
00:21:44,329 --> 00:21:48,199

air something that should be impossible

500

00:21:45,769 --> 00:21:50,480

but the electrical field the particular

501

00:21:48,200 --> 00:21:52,250

article field prevents gravity from

502

00:21:50,480 --> 00:21:55,130

accessing that essentially it's like it

503

00:21:52,250 --> 00:21:59,480

like it's a perfect aircraft your left's

504

00:21:55,130 --> 00:22:01,429

up next slide please this is another

505

00:21:59,480 --> 00:22:04,490

example more recent this is from the

506

00:22:01,429 --> 00:22:08,240

1990s in tampere university finland they

507

00:22:04,490 --> 00:22:11,089

found that they could they could create

508

00:22:08,240 --> 00:22:13,130

a ring of magnets and spin them very

509

00:22:11,089 --> 00:22:15,079

very fast and hang out as a weight over

510

00:22:13,130 --> 00:22:16,690

the top 50 to see this is a one stone

511

00:22:15,079 --> 00:22:19,548

weight hanging over the top of it and

512

00:22:16,690 --> 00:22:21,679

when this was spinning this ring was

513

00:22:19,548 --> 00:22:26,379

spinning at a certain rate that weight

514
00:22:21,679 --> 00:22:28,340
would lose four half ounces of weight

515
00:22:26,380 --> 00:22:30,230
but it's hanging over this spinning

516
00:22:28,339 --> 00:22:33,678
magnet that's impossible a one stone

517
00:22:30,230 --> 00:22:35,419
weight losses four and a half ounces we

518
00:22:33,679 --> 00:22:37,700
should point out well weighted late it

519
00:22:35,419 --> 00:22:40,790
is not mass weight is actually an effect

520
00:22:37,700 --> 00:22:42,289
of gravity it's an effective when a mass

521
00:22:40,789 --> 00:22:45,950
is in the gravitational field it puts

522
00:22:42,289 --> 00:22:48,409
pressure on anything beneath it in this

523
00:22:45,950 --> 00:22:50,558
case the floor my white explorer because

524
00:22:48,410 --> 00:22:53,058
I'm a mass in a gravitational field

525
00:22:50,558 --> 00:22:54,379
that's that's what weight is and this

526
00:22:53,058 --> 00:22:56,629
weight was reduced that should be

527
00:22:54,380 --> 00:22:59,090
impossible it can only happen if the

528
00:22:56,630 --> 00:23:00,559
gravitational effect the gravitational

529
00:22:59,089 --> 00:23:05,720
field of the earth was in some way

530
00:23:00,558 --> 00:23:07,069
reduced around that big steel block next

531
00:23:05,720 --> 00:23:09,779
slide please

532
00:23:07,069 --> 00:23:11,970
it's not possible to discuss the

533
00:23:09,779 --> 00:23:13,889
evolution of alternative esoteric energy

534
00:23:11,970 --> 00:23:17,460
without talking about this man this is

535
00:23:13,890 --> 00:23:19,680
Nikola Tesla he was born in 1856 in

536
00:23:17,460 --> 00:23:22,049
Serbia and in 1884 he moved to the

537
00:23:19,680 --> 00:23:23,850
United States of America where you mean

538
00:23:22,049 --> 00:23:24,990
he didn't Abby he didn't our job we did

539
00:23:23,849 --> 00:23:26,730
another penny when he arrived but you

540
00:23:24,990 --> 00:23:29,000
very quickly earn an income because he

541
00:23:26,730 --> 00:23:31,259
was a genius in terms of electricity

542

00:23:29,000 --> 00:23:33,029
even as a small child he used to go out

543
00:23:31,259 --> 00:23:35,369
nice used to walk through thunderstorm

544
00:23:33,029 --> 00:23:38,700
watching the lightning because he was so

545
00:23:35,369 --> 00:23:40,919
fascinated by it he sweated a business

546
00:23:38,700 --> 00:23:47,370
with Thomas Edison and I later became

547
00:23:40,920 --> 00:23:48,720
rivals and lexically he just what he

548
00:23:47,369 --> 00:23:51,569
discovered the reason he'd gone into

549
00:23:48,720 --> 00:23:54,450
trouble was because he discovered that

550
00:23:51,569 --> 00:23:56,309
there is energy heating to see he was

551
00:23:54,450 --> 00:23:58,710
one of the people who discovered that

552
00:23:56,309 --> 00:24:00,139
energy to run an electrical power can

553
00:23:58,710 --> 00:24:02,910
come out of the fabric of the universe

554
00:24:00,140 --> 00:24:06,420
but also that he went public with it he

555
00:24:02,910 --> 00:24:08,730
spoke out about it it's funny they were

556
00:24:06,420 --> 00:24:10,769

about Tesla because some this man really

557

00:24:08,730 --> 00:24:13,980

ought to be as famous as Albert Einstein

558

00:24:10,769 --> 00:24:15,720

he also be a household name and he has a

559

00:24:13,980 --> 00:24:17,789

chief successfully for instances and he

560

00:24:15,720 --> 00:24:20,460

invented an alternating current we use

561

00:24:17,789 --> 00:24:24,210

today but also that the unit of magnetic

562

00:24:20,460 --> 00:24:26,009

power is the Tesla and the the name the

563

00:24:24,210 --> 00:24:27,660

number learned the word units magnetic

564

00:24:26,009 --> 00:24:29,789

powers named after him strangely enough

565

00:24:27,660 --> 00:24:32,900

though and when I was a porter at my

566

00:24:29,789 --> 00:24:35,250

hospital they know about this because

567

00:24:32,900 --> 00:24:37,290

the we have magnets are the hospital in

568

00:24:35,250 --> 00:24:39,109

things like that the MRI scanners and I

569

00:24:37,289 --> 00:24:41,940

was talking to a radiographer words and

570

00:24:39,109 --> 00:24:43,379

he was boasting about his new machine

571
00:24:41,940 --> 00:24:45,450
that has been delivered this 5 million

572
00:24:43,380 --> 00:24:48,540
pound MRI scanner spins daughter in the

573
00:24:45,450 --> 00:24:50,220
hospital ism that's a 3.5 team magnet

574
00:24:48,539 --> 00:24:53,579
but it don't know most powerful magnets

575
00:24:50,220 --> 00:24:55,500
in the world and it's all mine stuff

576
00:24:53,579 --> 00:24:57,750
like that I said and I said to them all

577
00:24:55,500 --> 00:25:01,049
we both what's that what does the T

578
00:24:57,750 --> 00:25:02,940
stand for this is uh no we just say we

579
00:25:01,049 --> 00:25:05,579
just measure magnetic fields and tease

580
00:25:02,940 --> 00:25:07,890
like most a fridge magnet is a few micro

581
00:25:05,579 --> 00:25:09,970
cheese and you get like a different

582
00:25:07,890 --> 00:25:13,240
language their flexibility and

583
00:25:09,970 --> 00:25:14,650
things like man and this is 3.5 T's and

584
00:25:13,240 --> 00:25:15,789
the funny thing is was and this the

585
00:25:14,650 --> 00:25:18,070
funny thing is this guy's a trained

586
00:25:15,789 --> 00:25:19,720
radiographer he must have had studied

587
00:25:18,069 --> 00:25:21,849
science of school to us considerable

588
00:25:19,720 --> 00:25:25,690
level to be allowed on the radio for

589
00:25:21,849 --> 00:25:27,309
training course um he didn't know what T

590
00:25:25,690 --> 00:25:29,650
stood for I'm the hospital porter I've

591
00:25:27,309 --> 00:25:32,500
got a GCSE in english as i left school

592
00:25:29,650 --> 00:25:34,120
at sixteen i know it stands for Tesla so

593
00:25:32,500 --> 00:25:35,769
why they'd shun it to t it's not like

594
00:25:34,119 --> 00:25:39,489
Tesla's a long night it's not like he's

595
00:25:35,769 --> 00:25:41,829
called Tesla roskie bond during ski but

596
00:25:39,490 --> 00:25:43,690
that was his name yet short letter T is

597
00:25:41,829 --> 00:25:46,389
Tesla so I need to sleep on for Tesla

598
00:25:43,690 --> 00:25:48,610
member I think they want to write this

599

00:25:46,390 --> 00:25:50,890
guy out of history I think they want to

600
00:25:48,609 --> 00:25:52,000
even even the things he has achieved in

601
00:25:50,890 --> 00:25:56,170
the mainstream they want to try and

602
00:25:52,000 --> 00:25:59,230
eliminate Nikola Tesla probably carry

603
00:25:56,170 --> 00:26:00,820
out with several experiments some of

604
00:25:59,230 --> 00:26:07,599
which are still classified today after

605
00:26:00,819 --> 00:26:10,029
120 years in some cases and now he said

606
00:26:07,599 --> 00:26:13,839
he's discovering his gift of energy he

607
00:26:10,029 --> 00:26:16,359
wanted to give it to the world that made

608
00:26:13,839 --> 00:26:21,309
him a lot of enemies including people

609
00:26:16,359 --> 00:26:26,529
like JP Morgan and several other major

610
00:26:21,309 --> 00:26:28,839
power brothers plutocrats there's a it's

611
00:26:26,529 --> 00:26:31,109
really really sad story but they

612
00:26:28,839 --> 00:26:33,699
destroyed it maybe they brought him down

613
00:26:31,109 --> 00:26:37,139

JP Morgan very famous he said I can't

614

00:26:33,700 --> 00:26:37,140

put a meter on it I don't want to use it

615

00:26:37,200 --> 00:26:42,309

Nikola Tesla died in 1943 penniless the

616

00:26:40,599 --> 00:26:45,399

age of seven but i think he was 70

617

00:26:42,309 --> 00:26:46,750

something and he died really he was

618

00:26:45,400 --> 00:26:49,210

living in a hotel room he had just

619

00:26:46,750 --> 00:26:51,309

enough money for his bills now before

620

00:26:49,210 --> 00:26:52,960

the even the Undertaker's were allowed

621

00:26:51,309 --> 00:26:55,269

into the room to take the body away to

622

00:26:52,960 --> 00:26:57,250

the funeral parlor the FBI sealed the

623

00:26:55,269 --> 00:27:00,109

door went in there i confiscated all

624

00:26:57,250 --> 00:27:02,450

Tesla's books his papers everything here

625

00:27:00,109 --> 00:27:03,558

his equipment is gone and we don't know

626

00:27:02,450 --> 00:27:11,360

where it when it's still classified

627

00:27:03,558 --> 00:27:12,558

today and next I'll place because there

628
00:27:11,359 --> 00:27:16,879
are many other examples on you talked

629
00:27:12,558 --> 00:27:19,220
about and who have also delved into this

630
00:27:16,880 --> 00:27:21,230
area of research someone older than I

631
00:27:19,220 --> 00:27:22,819
not professional scientists so you don't

632
00:27:21,230 --> 00:27:24,920
have a career to ruin because fuel

633
00:27:22,819 --> 00:27:27,678
professional academic and you get into

634
00:27:24,920 --> 00:27:29,779
this your new you're finished people I

635
00:27:27,679 --> 00:27:31,490
Brewster parmesan keenly Thomas Townsend

636
00:27:29,779 --> 00:27:33,889
Brown as I mentioned we gone into

637
00:27:31,490 --> 00:27:35,480
electric of the text this is a man who

638
00:27:33,890 --> 00:27:38,090
still alive today is still working in

639
00:27:35,480 --> 00:27:39,500
this field is John Hutchison and he's

640
00:27:38,089 --> 00:27:42,019
quite well known thanks to andrew

641
00:27:39,500 --> 00:27:44,650
johnson and dr. Judy woods and I thought

642
00:27:42,019 --> 00:27:46,668
more about those in a minute because

643
00:27:44,650 --> 00:27:48,650
there was a kind of research we talk

644
00:27:46,669 --> 00:27:52,270
right here can be useful I think he's

645
00:27:48,650 --> 00:27:52,269
being used as a weapon

646
00:27:53,579 --> 00:27:58,470
come next line close as he escaped wind

647
00:27:56,700 --> 00:28:01,289
here isn't it see the winds getting

648
00:27:58,470 --> 00:28:04,230
worse now then this guy here is young

649
00:28:01,289 --> 00:28:06,720
this is a sport of english defence

650
00:28:04,230 --> 00:28:10,529
league as you will see that's edl that

651
00:28:06,720 --> 00:28:12,589
says as edl sounds edward Leedskalnin

652
00:28:10,529 --> 00:28:16,349
his name's led with let's go on in and

653
00:28:12,589 --> 00:28:19,349
he's a very interesting chap indeed and

654
00:28:16,349 --> 00:28:20,699
he came from he comes from Latvia and in

655
00:28:19,349 --> 00:28:25,289
the early 20th century he moved to the

656

00:28:20,700 --> 00:28:27,840
United States and he usually using some

657
00:28:25,289 --> 00:28:29,849
chat because he before he left Latvia he

658
00:28:27,839 --> 00:28:33,529
was engaged married too to a young lady

659
00:28:29,849 --> 00:28:35,519
for Agnes Agnes cuff also named and

660
00:28:33,529 --> 00:28:37,950
basically didn't work out they had a

661
00:28:35,519 --> 00:28:42,329
very acrimonious breakup and he

662
00:28:37,950 --> 00:28:43,650
basically never got over it and you see

663
00:28:42,329 --> 00:28:45,389
I think he does he was such an eccentric

664
00:28:43,650 --> 00:28:46,950
man he dealt with it differently to

665
00:28:45,390 --> 00:28:48,450
other blokes would most of the blood go

666
00:28:46,950 --> 00:28:49,620
out they get drunk they cry on their

667
00:28:48,450 --> 00:28:51,930
friend's shoulder for a couple of days

668
00:28:49,619 --> 00:28:53,729
and they get on with their life this guy

669
00:28:51,930 --> 00:28:56,850
didn't it's going built a monument to

670
00:28:53,730 --> 00:28:59,839

his lost love he built on what he built

671

00:28:56,849 --> 00:29:02,669

what's known as Coral Castle in Florida

672

00:28:59,839 --> 00:29:05,549

he built his monument is not have coral

673

00:29:02,670 --> 00:29:08,820

rock which he built single-handedly

674

00:29:05,549 --> 00:29:10,139

working at ninth and if you see it it

675

00:29:08,819 --> 00:29:11,689

seems hard to believe someone could

676

00:29:10,140 --> 00:29:13,890

actually construct something like this

677

00:29:11,690 --> 00:29:15,809

what's interesting about it is that

678

00:29:13,890 --> 00:29:18,500

Leedskaalnin was very interested in

679

00:29:15,809 --> 00:29:18,500

ancient Egypt