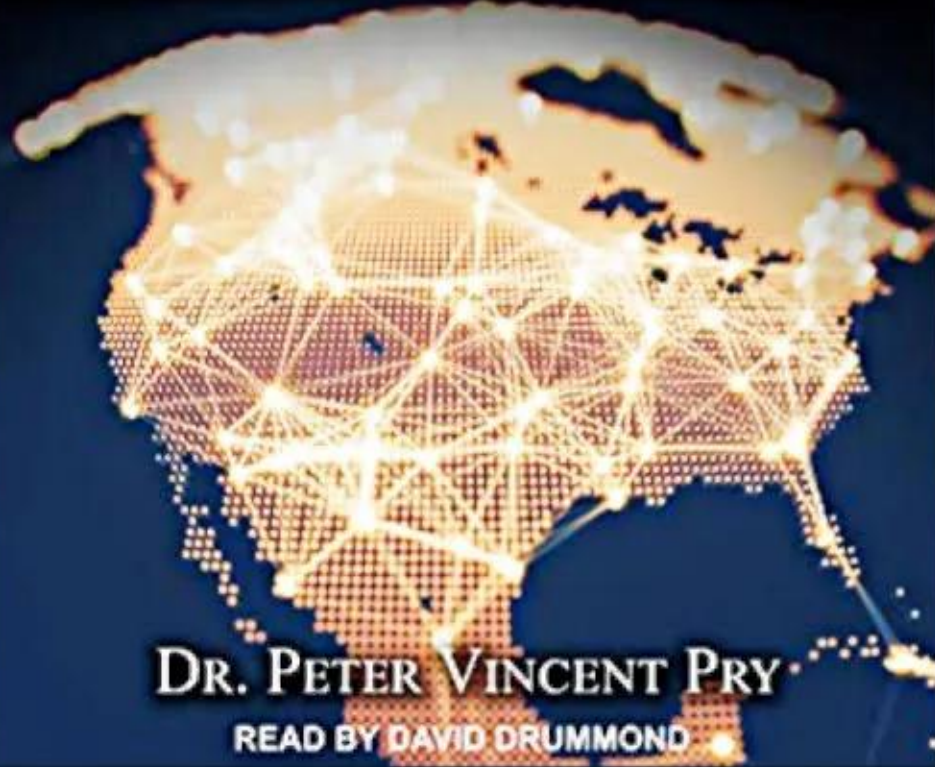


**HIDDEN TRUTH SHOW
WITH JIM BRESLO**

BLACKOUT WARS

STATE INITIATIVES TO ACHIEVE PREPAREDNESS AGAINST AN
ELECTROMAGNETIC PULSE (EMP) CATASTROPHE



DR. PETER VINCENT PRY
READ BY DAVID DRUMMOND

DR. PETER PRY



1
00:00:07,990 --> 00:00:05,110
the tip of the spear for this kind of a

2
00:00:09,589 --> 00:00:08,000
blackout warfare attack would be

3
00:00:11,749 --> 00:00:09,599
cyber attack

4
00:00:13,749 --> 00:00:11,759
uh they would send

5
00:00:16,630 --> 00:00:13,759
they may already have logic bombs

6
00:00:18,870 --> 00:00:16,640
installed in the in in the scadas

7
00:00:19,910 --> 00:00:18,880
supervisory control and data acquisition

8
00:00:21,590 --> 00:00:19,920
systems

9
00:00:23,590 --> 00:00:21,600
uh these

10
00:00:24,630 --> 00:00:23,600
are little computers

11
00:00:26,870 --> 00:00:24,640
uh

12
00:00:27,990 --> 00:00:26,880
the size of a personal computer that run

13
00:00:30,950 --> 00:00:28,000

everything they control the way

14

00:00:34,470 --> 00:00:30,960

electricity flows into uh electric high

15

00:00:38,549 --> 00:00:35,670

and you could

16

00:00:40,709 --> 00:00:38,559

uh you could do a temporary blackout

17

00:00:41,910 --> 00:00:40,719

by damaging the controls

18

00:00:44,389 --> 00:00:41,920

you know that regulate the way

19

00:00:45,510 --> 00:00:44,399

electricity goes in through these logic

20

00:00:47,750 --> 00:00:45,520

bombs

21

00:00:49,990 --> 00:00:47,760

to freeze them up russia does that to

22

00:00:52,630 --> 00:00:50,000

ukraine every year around christmas now

23

00:00:55,189 --> 00:00:52,640

it's only a temporary blackout that they

24

00:00:57,270 --> 00:00:55,199

affect because you can eventually get

25

00:01:00,470 --> 00:00:57,280

control of the controls again you know

26

00:01:02,950 --> 00:01:00,480

if you if you defeat the uh the uh

27

00:01:05,429 --> 00:01:02,960

the bugs that they have inserted by by

28

00:01:07,190 --> 00:01:05,439

cyber attacks uh but you could

29

00:01:10,870 --> 00:01:07,200

permanently black out the state of

30

00:01:13,429 --> 00:01:10,880

florida or the whole country if you

31

00:01:15,990 --> 00:01:13,439

by going into the scada transformers

32

00:01:17,830 --> 00:01:16,000

uh by by going into the skaters

33

00:01:20,230 --> 00:01:17,840

change the way the electricity flows

34

00:01:21,749 --> 00:01:20,240

into this transformers the electricity

35

00:01:23,510 --> 00:01:21,759

has to go into the transformers the

36

00:01:25,190 --> 00:01:23,520

extra high voltage transformers in

37

00:01:28,870 --> 00:01:25,200

particular

38

00:01:31,270 --> 00:01:28,880

in a uh in the same way all the time and

39

00:01:33,270 --> 00:01:31,280

if you change that

40

00:01:34,149 --> 00:01:33,280

this transformer will eventually burn

41

00:01:35,990 --> 00:01:34,159

out

42

00:01:37,670 --> 00:01:36,000

you know and uh

43

00:01:40,230 --> 00:01:37,680

uh and so you could do that you could

44

00:01:41,749 --> 00:01:40,240

use the skaters to send to change the

45

00:01:44,469 --> 00:01:41,759

way the electricity flows into

46

00:01:45,830 --> 00:01:44,479

transformers this is just one example

47

00:01:47,830 --> 00:01:45,840

or you could change the way the

48

00:01:49,670 --> 00:01:47,840

generators spin that generate

49

00:01:51,830 --> 00:01:49,680

electricity or you could do all of these

50

00:01:54,230 --> 00:01:51,840

things the generators have to spin in a

51
00:01:56,310 --> 00:01:54,240
certain way all the time in order to

52
00:01:59,510 --> 00:01:56,320
generate electricity but you can change

53
00:02:00,950 --> 00:01:59,520
the way they spin by means of the scadas

54
00:02:04,149 --> 00:02:00,960
uh

55
00:02:06,149 --> 00:02:04,159
and and give them commands to spin and

56
00:02:07,429 --> 00:02:06,159
away so that they burn out their

57
00:02:09,510 --> 00:02:07,439
bearings and the generators are

58
00:02:10,710 --> 00:02:09,520
destroyed and sorry tell me what is a

59
00:02:13,910 --> 00:02:10,720
scada

60
00:02:14,869 --> 00:02:13,920
supervisory control and data acquisition

61
00:02:17,030 --> 00:02:14,879
system

62
00:02:19,030 --> 00:02:17,040
uh and it's basically there was a time

63
00:02:20,229 --> 00:02:19,040

when i was growing up you know back in

64

00:02:21,430 --> 00:02:20,239

the 60s

65

00:02:24,070 --> 00:02:21,440

uh

66

00:02:26,630 --> 00:02:24,080

our our grid was run and all of our

67

00:02:27,830 --> 00:02:26,640

utilities were run by blue collar

68

00:02:29,350 --> 00:02:27,840

technicians

69

00:02:32,070 --> 00:02:29,360

you had a guy

70

00:02:34,229 --> 00:02:32,080

you know sitting in a room watching the

71

00:02:36,710 --> 00:02:34,239

flow of electricity into a transformer

72

00:02:39,110 --> 00:02:36,720

or watching the flow of water or natural

73

00:02:40,869 --> 00:02:39,120

gas through a pipe and he would control

74

00:02:42,550 --> 00:02:40,879

that a human being was in the loop

75

00:02:43,589 --> 00:02:42,560

controlling that

76

00:02:45,110 --> 00:02:43,599

and uh

77

00:02:47,830 --> 00:02:45,120

but then with the microelectronics

78

00:02:50,470 --> 00:02:47,840

revolution in the 1970s

79

00:02:53,270 --> 00:02:50,480

we came up with little computers called

80

00:02:55,190 --> 00:02:53,280

scadas that could do the job of these

81

00:02:57,350 --> 00:02:55,200

blue collar technicians

82

00:02:59,589 --> 00:02:57,360

and the uh and they were replaced you

83

00:03:01,750 --> 00:02:59,599

know so the hundreds of thousands of uh

84

00:03:03,910 --> 00:03:01,760

of people that used to run our critical

85

00:03:05,190 --> 00:03:03,920

infrastructures were replaced with these

86

00:03:09,589 --> 00:03:05,200

systems

87

00:03:11,270 --> 00:03:09,599

the our electric grid and other other

88

00:03:13,589 --> 00:03:11,280

critical infrastructures in terms of

89

00:03:15,430 --> 00:03:13,599

national security back in those days you

90

00:03:17,990 --> 00:03:15,440

know people the utilities were able to

91

00:03:20,790 --> 00:03:18,000

save a lot of money by firing those

92

00:03:24,630 --> 00:03:20,800

those those employees and replacing them

93

00:03:26,869 --> 00:03:24,640

with uh with the skaters so you today

94

00:03:29,270 --> 00:03:26,879

you can run a whole city uh you know

95

00:03:31,190 --> 00:03:29,280

with a dozen people you know because of

96

00:03:34,149 --> 00:03:31,200

the introduction of scadas into our

97

00:03:37,430 --> 00:03:34,159

systems but if the skaters are destroyed

98

00:03:40,390 --> 00:03:37,440

or if they uh and if they destroy

99

00:03:41,830 --> 00:03:40,400

big important pieces of equipment like

100

00:03:44,149 --> 00:03:41,840

the generators that produce the

101
00:03:46,390 --> 00:03:44,159
electricity like the extra high voltage

102
00:03:48,949 --> 00:03:46,400
transformers which are are the

103
00:03:51,270 --> 00:03:48,959
foundations of our modern electronic

104
00:03:53,110 --> 00:03:51,280
civilization we cannot exist

105
00:03:55,589 --> 00:03:53,120
as an electronic civilization without

106
00:03:56,550 --> 00:03:55,599
these extra high voltage transformers uh

107
00:03:58,949 --> 00:03:56,560
they were

108
00:04:00,949 --> 00:03:58,959
invented by nikola tesla you know who

109
00:04:02,949 --> 00:04:00,959
invented the first uh electric grid he

110
00:04:04,309 --> 00:04:02,959
invented these transformers

111
00:04:06,470 --> 00:04:04,319
uh

112
00:04:08,869 --> 00:04:06,480
and they are to our civilization what

113
00:04:11,350 --> 00:04:08,879

roads and aqueducts were to classical

114

00:04:12,550 --> 00:04:11,360

roman civilization you know

115

00:04:16,469 --> 00:04:12,560

the uh

116

00:04:18,789 --> 00:04:16,479

uh when these things are destroyed uh

117

00:04:20,629 --> 00:04:18,799

it's very difficult to replace them uh

118

00:04:23,030 --> 00:04:20,639

they're extremely expensive they're the

119

00:04:24,950 --> 00:04:23,040

size of a house they weigh

120

00:04:27,030 --> 00:04:24,960

hundreds of tons there's only three

121

00:04:29,510 --> 00:04:27,040

whole railway cars in the whole country

122

00:04:31,189 --> 00:04:29,520

that can carry the weight road bridges

123

00:04:33,270 --> 00:04:31,199

have to be reinforced roads have to be

124

00:04:35,430 --> 00:04:33,280

widened in the aftermath of an attack

125

00:04:38,150 --> 00:04:35,440

that blacked out the whole country

126
00:04:39,270 --> 00:04:38,160
and blacked out all the other

127
00:04:40,790 --> 00:04:39,280
critical infrastructures like

128
00:04:42,310 --> 00:04:40,800
telecommunications

129
00:04:45,189 --> 00:04:42,320
you know you probably wouldn't be able

130
00:04:47,510 --> 00:04:45,199
to uh replace hundreds of transformers

131
00:04:50,550 --> 00:04:47,520
destroyed by a cyber attack or emp

132
00:04:53,110 --> 00:04:50,560
attack or by physical sabotage but to

133
00:04:54,790 --> 00:04:53,120
answer your question you know if russia

134
00:04:56,790 --> 00:04:54,800
delivered on its threat to blackout

135
00:04:58,710 --> 00:04:56,800
florida i think they'd probably do it by

136
00:04:59,670 --> 00:04:58,720
cyber warfare that's what their doctrine

137
00:05:01,029 --> 00:04:59,680
says

138
00:05:03,110 --> 00:05:01,039

if they were going to go after the whole

139

00:05:05,110 --> 00:05:03,120

country i don't think they'd rely just

140

00:05:07,909 --> 00:05:05,120

on cyber they'd throw the kitchen sink

141

00:05:10,230 --> 00:05:07,919

at us that's just common sense and they

142

00:05:12,629 --> 00:05:10,240

would probably insert they may already

143

00:05:13,909 --> 00:05:12,639

have inserted into our country teams of

144

00:05:16,310 --> 00:05:13,919

saboteurs

145

00:05:18,950 --> 00:05:16,320

who know where they have to go to to

146

00:05:21,270 --> 00:05:18,960

actually physically take out

147

00:05:23,350 --> 00:05:21,280

uh you know uh extra high voltage

148

00:05:25,830 --> 00:05:23,360

transformers and control centers that

149

00:05:27,909 --> 00:05:25,840

have housed skaters

150

00:05:30,230 --> 00:05:27,919

you know by by uh by means of

151
00:05:33,029 --> 00:05:30,240
rocket-propelled grenade launchers

152
00:05:35,350 --> 00:05:33,039
release drones carrying non-nuclear emp

153
00:05:37,590 --> 00:05:35,360
weapons that follow the power lines and

154
00:05:39,590 --> 00:05:37,600
would black out these transformers

155
00:05:41,590 --> 00:05:39,600
and then the ultimate

156
00:05:43,029 --> 00:05:41,600
thing the last thing and for taking out

157
00:05:44,870 --> 00:05:43,039
the whole country would probably be a

158
00:05:46,390 --> 00:05:44,880
nuclear emp attack

159
00:05:48,950 --> 00:05:46,400
so which countries do you think

160
00:05:50,550 --> 00:05:48,960
currently have the ability to take out

161
00:05:53,110 --> 00:05:50,560
uh us

162
00:05:55,029 --> 00:05:53,120
electrical power

163
00:05:57,029 --> 00:05:55,039

they could do it presently do do it

164

00:05:58,550 --> 00:05:57,039

tomorrow if they wanted to

165

00:05:59,670 --> 00:05:58,560

well it depends on what means we're

166

00:06:01,510 --> 00:05:59,680

talking about

167

00:06:03,430 --> 00:06:01,520

i i think uh uh you know a big

168

00:06:06,629 --> 00:06:03,440

sophisticated country

169

00:06:08,550 --> 00:06:06,639

uh would be necessary to do it just by

170

00:06:09,749 --> 00:06:08,560

cyber attack that would be russia and

171

00:06:11,029 --> 00:06:09,759

china

172

00:06:14,309 --> 00:06:11,039

uh

173

00:06:16,870 --> 00:06:14,319

anybody could do it

174

00:06:18,870 --> 00:06:16,880

using special forces even a terrorist

175

00:06:22,790 --> 00:06:18,880

group an on-state actor could do it by

176

00:06:25,909 --> 00:06:22,800

special forces the uh back in 2013

177

00:06:27,909 --> 00:06:25,919

mexico was attacked the mexican grid

178

00:06:28,870 --> 00:06:27,919

part of the mexican grid was blacked out

179

00:06:30,950 --> 00:06:28,880

by a

180

00:06:33,110 --> 00:06:30,960

drug cartel a terrorist drug cartel

181

00:06:34,790 --> 00:06:33,120

called the knights templars they put

182

00:06:35,909 --> 00:06:34,800

about a half a million people into the

183

00:06:36,790 --> 00:06:35,919

dark

184

00:06:40,870 --> 00:06:36,800

uh

185

00:06:43,590 --> 00:06:40,880

operations were their drug operations

186

00:06:45,430 --> 00:06:43,600

were located so they could go into the

187

00:06:48,629 --> 00:06:45,440

villages and towns

188

00:06:50,629 --> 00:06:48,639

uh and uh publicly execute leaders

189

00:06:53,270 --> 00:06:50,639

opposed to the drug trade

190

00:06:55,110 --> 00:06:53,280

now if neanderthals like the knights

191

00:06:56,469 --> 00:06:55,120

compliers know how to take down electric

192

00:06:58,150 --> 00:06:56,479

and electric grid they're just across

193

00:07:01,189 --> 00:06:58,160

the border you know a terrorist

194

00:07:03,270 --> 00:07:01,199

organization could pay these guys a 100

195

00:07:05,189 --> 00:07:03,280

million dollars to come across our

196

00:07:07,350 --> 00:07:05,199

border and do the same thing to our

197

00:07:09,830 --> 00:07:07,360

electorate right and take down the whole

198

00:07:12,150 --> 00:07:09,840

take down the whole country and by cyber

199

00:07:14,230 --> 00:07:12,160

attack you mean that is

200

00:07:17,270 --> 00:07:14,240

you're saying china russia both could do

201
00:07:18,469 --> 00:07:17,280
it via a cyber attack and that involves

202
00:07:25,189 --> 00:07:18,479
no

203
00:07:26,790 --> 00:07:25,199
they have uh they they could do it just

204
00:07:29,029 --> 00:07:26,800
by cyber alone

205
00:07:31,990 --> 00:07:29,039
but my book blackout warfare has got a

206
00:07:34,230 --> 00:07:32,000
chapter by a cyber expert

207
00:07:36,150 --> 00:07:34,240
edward roach dr edward roach who is a

208
00:07:37,830 --> 00:07:36,160
cyber security advisor for the united

209
00:07:41,430 --> 00:07:37,840
nations and he teaches at columbia

210
00:07:44,469 --> 00:07:41,440
university and his chapter describes how

211
00:07:47,110 --> 00:07:44,479
russia or china could take down the u.s

212
00:07:48,710 --> 00:07:47,120
electric grid just by cyber attack but

213
00:07:51,350 --> 00:07:48,720

we have all the computer computer

214

00:07:53,430 --> 00:07:51,360

hacking yes by computer hacking as was

215

00:07:55,350 --> 00:07:53,440

done against the colonial pipeline by by

216

00:07:58,629 --> 00:07:55,360

the russians uh

217

00:08:01,430 --> 00:07:58,639

just a couple of weeks after the uh uh

218

00:08:06,070 --> 00:08:01,440

after the threatened invasion of nato

219

00:08:07,909 --> 00:08:06,080

excuse me of ukraine in april of 2021 uh

220

00:08:09,270 --> 00:08:07,919

that's you may recall i was talking

221

00:08:11,990 --> 00:08:09,280

about how russia was threatening you

222

00:08:13,110 --> 00:08:12,000

know we could black you out selectively

223

00:08:15,749 --> 00:08:13,120

or

224

00:08:17,670 --> 00:08:15,759

attack the whole nation by cyber warfare

225

00:08:19,270 --> 00:08:17,680

and uh one of the things they did was

226

00:08:20,790 --> 00:08:19,280

the ransomware attack against the

227

00:08:22,950 --> 00:08:20,800

colonial pipeline

228

00:08:25,670 --> 00:08:22,960

you know

229

00:08:27,990 --> 00:08:25,680

this idea that this was done by

230

00:08:29,749 --> 00:08:28,000

russian hackers independent from the uh

231

00:08:31,830 --> 00:08:29,759

russian government is nonsense i mean

232

00:08:34,550 --> 00:08:31,840

russia russia is an authoritarian or

233

00:08:35,750 --> 00:08:34,560

totalitarian state these hackers work

234

00:08:37,589 --> 00:08:35,760

for the

235

00:08:38,469 --> 00:08:37,599

svr and the

236

00:08:40,230 --> 00:08:38,479

and the

237

00:08:41,350 --> 00:08:40,240

gru which is russian military

238

00:08:42,469 --> 00:08:41,360

intelligence

239

00:08:45,910 --> 00:08:42,479

uh

240

00:08:47,990 --> 00:08:45,920

they weren't interested in the money

241

00:08:49,430 --> 00:08:48,000

the ransomware attack the reason it was

242

00:08:51,590 --> 00:08:49,440

lifted is because

243

00:08:53,430 --> 00:08:51,600

the administration and the utilities

244

00:08:56,070 --> 00:08:53,440

that ran colonial pipeline and they're

245

00:08:59,269 --> 00:08:56,080

paying paying off the ransomware i think

246

00:09:01,269 --> 00:08:59,279

this was mainly done to demonstrate

247

00:09:03,190 --> 00:09:01,279

to the to washington

248

00:09:05,910 --> 00:09:03,200

uh that they could deliver on their

249

00:09:07,910 --> 00:09:05,920

cyber threats against this country uh it

250

00:09:09,910 --> 00:09:07,920

wasn't just inconvenience for people

251
00:09:11,670 --> 00:09:09,920
trying to get gasoline that colonial

252
00:09:14,470 --> 00:09:11,680
pipeline delivered about half i think it

253
00:09:17,269 --> 00:09:14,480
was 45 percent of all the petroleum

254
00:09:19,190 --> 00:09:17,279
to the eastern half of the united states

255
00:09:20,870 --> 00:09:19,200
our military our ability to project

256
00:09:23,670 --> 00:09:20,880
military power from the east coast

257
00:09:25,350 --> 00:09:23,680
military bases

258
00:09:27,269 --> 00:09:25,360
would have been paralyzed

259
00:09:29,430 --> 00:09:27,279
if they had done that

260
00:09:31,269 --> 00:09:29,440
you can use cyber to blow up a pipeline

261
00:09:33,190 --> 00:09:31,279
by the way it wouldn't have it wouldn't

262
00:09:34,389 --> 00:09:33,200
necessarily be a temporary shutdown of

263
00:09:35,670 --> 00:09:34,399

the pipeline

264

00:09:39,030 --> 00:09:35,680

you know

265

00:09:40,389 --> 00:09:39,040

attack on

266

00:09:42,630 --> 00:09:40,399

iran's

267

00:09:44,630 --> 00:09:42,640

nuclear program which was my

268

00:09:48,230 --> 00:09:44,640

understanding of cyber attack which took

269

00:09:49,190 --> 00:09:48,240

place what was it five to ten years ago

270

00:09:50,790 --> 00:09:49,200

oh this

271

00:09:51,670 --> 00:09:50,800

stuxnet worm

272

00:09:53,910 --> 00:09:51,680

right

273

00:09:56,949 --> 00:09:53,920

uh yeah that was uh

274

00:09:57,750 --> 00:09:56,959

a u.s israeli operation uh that should

275

00:10:00,870 --> 00:09:57,760

have been

276

00:10:02,470 --> 00:10:00,880

a black operation but president obama

277

00:10:04,710 --> 00:10:02,480

couldn't resist talking about it to the

278

00:10:05,590 --> 00:10:04,720

new york times and so we know a lot