



1
00:00:04,630 --> 00:00:02,629
what is up everybody

2
00:00:06,789 --> 00:00:04,640
um it is

3
00:00:08,549 --> 00:00:06,799
wednesday the 15th

4
00:00:11,589 --> 00:00:08,559
and this week is just flying by and i

5
00:00:13,110 --> 00:00:11,599
can't wait um until friday i mean friday

6
00:00:17,670 --> 00:00:13,120
is coming up before we know it that's a

7
00:00:20,950 --> 00:00:17,680
big nuap secrecy day um which will

8
00:00:24,950 --> 00:00:20,960
be a bit of a celebration considering um

9
00:00:27,750 --> 00:00:24,960
the amenity got passed today uh with uh

10
00:00:29,429 --> 00:00:27,760
gila brands gillibrand's um

11
00:00:31,109 --> 00:00:29,439
original language and everything so that

12
00:00:34,630 --> 00:00:31,119
is fantastic

13
00:00:37,590 --> 00:00:34,640

so we have a ufo

14

00:00:39,990 --> 00:00:37,600

group now isn't that something

15

00:00:41,590 --> 00:00:40,000

um i told my wife in the car

16

00:00:43,830 --> 00:00:41,600

and she you know she didn't really care

17

00:00:46,549 --> 00:00:43,840

so much but i still told her and i was

18

00:00:48,150 --> 00:00:46,559

excited so

19

00:00:50,150 --> 00:00:48,160

and i hope you guys are too because a

20

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

lot of the reason that that has happened

21

00:00:53,670 --> 00:00:51,760

is because of

22

00:00:56,150 --> 00:00:53,680

you know the effort that people put into

23

00:00:58,950 --> 00:00:56,160

this stuff and ending uap secrecy and i

24

00:01:00,709 --> 00:00:58,960

believe it's things like um you know

25

00:01:02,389 --> 00:01:00,719

making phone calls or even just being

26
00:01:03,750 --> 00:01:02,399
active on twitter and doing shows and

27
00:01:06,469 --> 00:01:03,760
showing that you care

28
00:01:09,190 --> 00:01:06,479
um that really helps you know i'm in

29
00:01:12,310 --> 00:01:09,200
this age of the internet

30
00:01:14,469 --> 00:01:12,320
and information um things can travel so

31
00:01:16,950 --> 00:01:14,479
fast and you know as long as we do our

32
00:01:19,910 --> 00:01:16,960
part make ourselves known that we want

33
00:01:21,429 --> 00:01:19,920
to end the uf uap secrecy for whatever

34
00:01:23,910 --> 00:01:21,439
reason you may have

35
00:01:26,870 --> 00:01:23,920
um as long as we do that good things

36
00:01:28,710 --> 00:01:26,880
will come um so today is a good day

37
00:01:31,270 --> 00:01:28,720
let's celebrate that day before we

38
00:01:32,630 --> 00:01:31,280

analyze it too much

39

00:01:36,630 --> 00:01:32,640

because we'll have plenty of time to do

40

00:01:37,830 --> 00:01:36,640

that um and before we start

41

00:01:41,350 --> 00:01:37,840

i'm gonna do

42

00:01:45,530 --> 00:01:41,360

a little video and we'll get going

43

00:01:45,540 --> 00:03:18,470

[Music]

44

00:03:24,309 --> 00:03:20,949

all right so let's get this rocking

45

00:03:26,710 --> 00:03:24,319

first guy i'll bring in is the

46

00:03:28,789 --> 00:03:26,720

right hand man

47

00:03:31,350 --> 00:03:28,799

how you doing jay

48

00:03:32,789 --> 00:03:31,360

i'm doing great i'm so happy to be here

49

00:03:37,190 --> 00:03:32,799

on such a

50

00:03:40,789 --> 00:03:38,869

yeah right

51

00:03:46,229 --> 00:03:40,799

feels weird and

52

00:03:49,830 --> 00:03:46,239

wow you know and not only that we had we

53

00:03:51,430 --> 00:03:49,840

had the good fortune of booking an

54

00:03:52,869 --> 00:03:51,440

extraordinarily

55

00:03:56,710 --> 00:03:52,879

appropriate

56

00:03:58,949 --> 00:03:56,720

and uh brilliant guest today so pretty

57

00:04:00,710 --> 00:03:58,959

psyched about that we have a guest today

58

00:04:02,550 --> 00:04:00,720

i didn't know that

59

00:04:05,429 --> 00:04:02,560

yeah amazing right

60

00:04:07,110 --> 00:04:05,439

i got a i got a i got a hot bio for this

61

00:04:08,789 --> 00:04:07,120

guy if you'd like me to read it as we

62

00:04:10,550 --> 00:04:08,799

bring this guy on

63

00:04:12,830 --> 00:04:10,560

i'm a little temperature sensitive but

64

00:04:18,150 --> 00:04:12,840

go ahead we'll see how it

65

00:04:22,870 --> 00:04:20,390

okay so we got

66

00:04:26,150 --> 00:04:22,880

bob mcguire is the founder and technical

67

00:04:28,310 --> 00:04:26,160

advisor for hawkeye 360. a satellite and

68

00:04:30,950 --> 00:04:28,320

data analytics company he's also the

69

00:04:33,350 --> 00:04:30,960

co-founder of federated wireless

70

00:04:35,270 --> 00:04:33,360

previously dr mcguire was director of

71

00:04:37,030 --> 00:04:35,280

research for the ted and karen hume

72

00:04:39,830 --> 00:04:37,040

center for national security and

73

00:04:41,590 --> 00:04:39,840

technology and research professor in the

74

00:04:44,310 --> 00:04:41,600

bradley department of electrical and

75

00:04:45,990 --> 00:04:44,320

computer engineering at virginia tech at

76

00:04:47,749 --> 00:04:46,000

virginia tech he led the overall

77

00:04:50,150 --> 00:04:47,759

execution of the center's research

78

00:04:52,310 --> 00:04:50,160

mission and led the university's program

79

00:04:54,469 --> 00:04:52,320

development efforts in national security

80

00:04:55,510 --> 00:04:54,479

applications of wireless and space

81

00:04:57,749 --> 00:04:55,520

systems

82

00:05:00,150 --> 00:04:57,759

his area of expertise is in radio

83

00:05:02,390 --> 00:05:00,160

frequency communications and digital

84

00:05:05,110 --> 00:05:02,400

signal processing

85

00:05:07,830 --> 00:05:05,120

before joining virginia tech dr mcguire

86

00:05:09,830 --> 00:05:07,840

spent 26 years as a member of the

87

00:05:12,390 --> 00:05:09,840

technical staff at the institute for

88

00:05:14,550 --> 00:05:12,400

defense analyses center for

89
00:05:16,870 --> 00:05:14,560
communications research in princeton new

90
00:05:18,870 --> 00:05:16,880
jersey where he worked on advanced

91
00:05:20,550 --> 00:05:18,880
research topics in mathematics and

92
00:05:22,150 --> 00:05:20,560
communications supporting the federal

93
00:05:23,830 --> 00:05:22,160
government

94
00:05:25,909 --> 00:05:23,840
his work on behalf of the federal

95
00:05:27,909 --> 00:05:25,919
government has won a many awards

96
00:05:31,350 --> 00:05:27,919
including one of the intelligence

97
00:05:34,150 --> 00:05:31,360
community's highest honors in 2002.

98
00:05:36,950 --> 00:05:34,160
bob's also an avid amateur radio

99
00:05:39,189 --> 00:05:36,960
operator and has previously served as vp

100
00:05:41,189 --> 00:05:39,199
of engineering for the amateur radio

101
00:05:43,510 --> 00:05:41,199
satellite corporation as well as a

102
00:05:45,670 --> 00:05:43,520
member of its board of directors

103
00:05:48,469 --> 00:05:45,680
he received his phd and applied

104
00:05:50,390 --> 00:05:48,479
mathematics from brown university in

105
00:05:52,469 --> 00:05:50,400
1988.

106
00:05:55,270 --> 00:05:52,479
bob it's a real pleasure to have you

107
00:05:58,150 --> 00:05:55,280
here on such a historic day for the

108
00:06:00,390 --> 00:05:58,160
field it's a great day now we just need

109
00:06:16,309 --> 00:06:00,400
to make sure that joe biden doesn't have

110
00:06:20,390 --> 00:06:18,390
is i'm a member of the board

111
00:06:24,230 --> 00:06:20,400
of ardc

112
00:06:25,990 --> 00:06:24,240
which is ardc.net and this is a very

113
00:06:29,189 --> 00:06:26,000

large fund

114

00:06:30,230 --> 00:06:29,199

from which we do grants to people doing

115

00:06:32,790 --> 00:06:30,240

work

116

00:06:35,110 --> 00:06:32,800

in education and radio science radio

117

00:06:40,150 --> 00:06:35,120

communications digital communications

118

00:06:42,629 --> 00:06:40,160

etc and our goal is to utterly transform

119

00:06:44,790 --> 00:06:42,639

amateur radio all over the world we've

120

00:06:46,710 --> 00:06:44,800

made grants all around the world already

121

00:06:49,510 --> 00:06:46,720

we made we did we've done 10 million

122

00:06:52,550 --> 00:06:49,520

dollars in grants this year so far and

123

00:06:54,790 --> 00:06:52,560

we have uh we'll be doing this work for

124

00:06:56,950 --> 00:06:54,800

the foreseeable future because the 10

125

00:06:58,390 --> 00:06:56,960

million doesn't touch the principal it's

126

00:07:00,710 --> 00:06:58,400

the interest

127

00:07:03,830 --> 00:07:00,720

yeah that's amazing

128

00:07:05,350 --> 00:07:03,840

very very happy to be involved with this

129

00:07:08,710 --> 00:07:05,360

now when you're talking

130

00:07:11,350 --> 00:07:08,720

when you're talking radio um

131

00:07:13,029 --> 00:07:11,360

a little more specifically

132

00:07:15,510 --> 00:07:13,039

what kind of radio are you are we

133

00:07:16,390 --> 00:07:15,520

talking like radio stations radio

134

00:07:21,029 --> 00:07:16,400

devices

135

00:07:23,670 --> 00:07:21,039

science radio engineering we're trying

136

00:07:25,950 --> 00:07:23,680

to lead technical development and

137

00:07:27,670 --> 00:07:25,960

utilization and

138

00:07:30,710 --> 00:07:27,680

experimentation

139

00:07:33,029 --> 00:07:30,720

now enabled by a large fund by amateur

140

00:07:35,430 --> 00:07:33,039

radio operators and others who don't get

141

00:07:36,950 --> 00:07:35,440

funded by the government so

142

00:07:39,350 --> 00:07:36,960

or or even the national science

143

00:07:40,629 --> 00:07:39,360

foundation so we think we think we can

144

00:07:42,710 --> 00:07:40,639

have an impact

145

00:07:44,869 --> 00:07:42,720

that's awesome well you're

146

00:07:46,710 --> 00:07:44,879

like i was just listening to j list off

147

00:07:48,390 --> 00:07:46,720

all the different things that you do i'm

148

00:07:49,990 --> 00:07:48,400

like how do you even have time to do

149

00:07:51,270 --> 00:07:50,000

this show

150

00:07:54,070 --> 00:07:51,280

well so

151
00:07:57,029 --> 00:07:54,080
the nice thing about finding a hawkeye

152
00:07:59,430 --> 00:07:57,039
and federated wireless is uh

153
00:08:02,550 --> 00:07:59,440
i was able to retire

154
00:08:04,869 --> 00:08:02,560
from virginia tech in may of 2020. well

155
00:08:06,469 --> 00:08:04,879
at the end i had become the chief

156
00:08:09,749 --> 00:08:06,479
scientist and

157
00:08:11,830 --> 00:08:09,759
as a as director of research i found out

158
00:08:14,390 --> 00:08:11,840
there was not enough of me or enough of

159
00:08:17,270 --> 00:08:14,400
others so i enticed

160
00:08:20,070 --> 00:08:17,280
uh smart people uh into coming in and

161
00:08:23,110 --> 00:08:20,080
founding laboratories inside the hume

162
00:08:25,110 --> 00:08:23,120
center so we founded three laboratories

163
00:08:27,749 --> 00:08:25,120

and i didn't need to direct their

164

00:08:29,670 --> 00:08:27,759

research because they were superstars so

165

00:08:31,990 --> 00:08:29,680

i felt my more appropriate role was

166

00:08:35,589 --> 00:08:32,000

chief scientist which i held for four

167

00:08:37,829 --> 00:08:35,599

years before i retired and so i retired

168

00:08:40,310 --> 00:08:37,839

i'm now adjunct i'm going to go back and

169

00:08:42,310 --> 00:08:40,320

work on some uh projects develop

170

00:08:45,750 --> 00:08:42,320

instruments but i'm not going to be full

171

00:08:48,070 --> 00:08:45,760

time at virginia tech anymore so i'm i'm

172

00:08:51,829 --> 00:08:48,080

i'm lucky i get to work on the things i

173

00:08:53,590 --> 00:08:51,839

want to work on and that's a good thing

174

00:08:55,110 --> 00:08:53,600

so what do you plan on doing with all

175

00:08:57,670 --> 00:08:55,120

your free time then

176

00:08:58,949 --> 00:08:57,680

so i'm doing all sorts of interesting

177

00:09:02,470 --> 00:08:58,959

work in

178

00:09:04,310 --> 00:09:02,480

uh astronomy so for example everybody's

179

00:09:07,190 --> 00:09:04,320

heard of these these the

180

00:09:10,150 --> 00:09:07,200

tess which is spacecraft and kepler

181

00:09:12,470 --> 00:09:10,160

before that are looking at stars in in

182

00:09:16,310 --> 00:09:12,480

our neighborhood and beyond trying to

183

00:09:19,910 --> 00:09:16,320

find the their light dimming for a

184

00:09:23,190 --> 00:09:19,920

reason and the reason is exoplanets so

185

00:09:25,110 --> 00:09:23,200

the test finds thousands of candidates

186

00:09:27,630 --> 00:09:25,120

but there are not enough

187

00:09:30,949 --> 00:09:27,640

professional astronomers and large

188

00:09:33,829 --> 00:09:30,959

observatories in the world to handle all

189

00:09:35,190 --> 00:09:33,839

that data so the amateur astronomers the

190

00:09:37,110 --> 00:09:35,200

ones that are doing it for the love of

191

00:09:39,910 --> 00:09:37,120

it um

192

00:09:43,350 --> 00:09:39,920

they they provide the verification that

193

00:09:45,670 --> 00:09:43,360

what they found is real by uh providing

194

00:09:47,750 --> 00:09:45,680

observation of these stars and trying to

195

00:09:49,829 --> 00:09:47,760

catch them in the act of dimming as soon

196

00:09:51,670 --> 00:09:49,839

as we catch them in the act of dimming

197

00:09:53,990 --> 00:09:51,680

we send out an announcement they're

198

00:09:56,470 --> 00:09:54,000

verified as an exoplanet they'll turn a

199

00:09:59,110 --> 00:09:56,480

big telescope and find out all sorts of

200

00:10:01,030 --> 00:09:59,120

things about the little planet the

201
00:10:03,910 --> 00:10:01,040
atmosphere around and all sorts of stuff

202
00:10:05,269 --> 00:10:03,920
it's just fascinating i i love doing it

203
00:10:07,590 --> 00:10:05,279
yeah it really is and when you talk

204
00:10:09,509 --> 00:10:07,600
about exoplanets it really makes you

205
00:10:11,590 --> 00:10:09,519
wonder how anyone could even think that

206
00:10:13,430 --> 00:10:11,600
there couldn't be another source of

207
00:10:16,310 --> 00:10:13,440
intelligent life out there we can't find

208
00:10:17,430 --> 00:10:16,320
we can't even find a complicated star

209
00:10:20,470 --> 00:10:17,440
system

210
00:10:22,310 --> 00:10:20,480
without a planet i mean yeah but they're

211
00:10:24,790 --> 00:10:22,320
all they all basically they all have

212
00:10:27,350 --> 00:10:24,800
planets even complicated

213
00:10:29,750 --> 00:10:27,360

multiple star systems have planets and i

214

00:10:32,790 --> 00:10:29,760

mean ones that are bigger than jupiter

215

00:10:34,389 --> 00:10:32,800

whoa yeah they're amazing yeah so that's

216

00:10:38,710 --> 00:10:34,399

one one thing other thing i'm going to

217

00:10:42,389 --> 00:10:40,630

in the night sky

218

00:10:44,630 --> 00:10:42,399

well um

219

00:10:46,310 --> 00:10:44,640

getting a little down and dirty

220

00:10:48,310 --> 00:10:46,320

what are you thinking is going to happen

221

00:10:49,910 --> 00:10:48,320

with this amendment um no it's not going

222

00:10:51,750 --> 00:10:49,920

to go in and

223

00:10:53,509 --> 00:10:51,760

be it really

224

00:10:56,630 --> 00:10:53,519

enacted till next year is that right

225

00:10:59,990 --> 00:10:56,640

yeah because because look the the the

226

00:11:02,949 --> 00:11:00,000

look this funds the activities from last

227

00:11:05,670 --> 00:11:02,959

the ndaa funds the activities from last

228

00:11:07,430 --> 00:11:05,680

october through next through the end of

229

00:11:09,110 --> 00:11:07,440

this coming september

230

00:11:09,910 --> 00:11:09,120

so all

231

00:11:13,350 --> 00:11:09,920

so

232

00:11:15,430 --> 00:11:13,360

all of a sudden they will be enabled now

233

00:11:17,910 --> 00:11:15,440

i believe that deputies uh defense

234

00:11:21,430 --> 00:11:17,920

secretary catherine hicks

235

00:11:24,870 --> 00:11:21,440

views will be taken into account and

236

00:11:27,190 --> 00:11:24,880

some role will be taken on by the

237

00:11:29,190 --> 00:11:27,200

the part the the office in the

238

00:11:33,030 --> 00:11:29,200

department of defense that christopher

239

00:11:36,230 --> 00:11:33,040

mellon used to run or be a run okay so

240

00:11:39,590 --> 00:11:36,240

uh but he was an under secretary so

241

00:11:41,990 --> 00:11:39,600

uh for intelligence for example so that

242

00:11:45,110 --> 00:11:42,000

office will have a role but the dni also

243

00:11:47,750 --> 00:11:45,120

has a role and the nice thing

244

00:11:49,190 --> 00:11:47,760

that's in there that they managed to

245

00:11:50,389 --> 00:11:49,200

keep in there

246

00:11:52,310 --> 00:11:50,399

was

247

00:11:53,750 --> 00:11:52,320

the people involved with these

248

00:11:56,550 --> 00:11:53,760

investigations

249

00:11:59,590 --> 00:11:56,560

have to go before congress testify under

250

00:12:02,389 --> 00:11:59,600

oath and a public unclassified report

251
00:12:04,629 --> 00:12:02,399
must be produced uh regularly i think

252
00:12:06,710 --> 00:12:04,639
it's every six months but i'm don't hold

253
00:12:09,350 --> 00:12:06,720
me to that but it's it's multiple times

254
00:12:11,269 --> 00:12:09,360
a year we get a public report

255
00:12:13,430 --> 00:12:11,279
that's number one and number two

256
00:12:16,230 --> 00:12:13,440
go look at the

257
00:12:18,389 --> 00:12:16,240
the language that demands they tell us

258
00:12:22,470 --> 00:12:18,399
about artifacts

259
00:12:25,269 --> 00:12:22,480
that's the cat opener that opens roswell

260
00:12:26,949 --> 00:12:25,279
wide open now i don't know how far that

261
00:12:29,670 --> 00:12:26,959
will go or whether there will be a

262
00:12:31,829 --> 00:12:29,680
mechanism just to stymie it and stifle

263
00:12:34,629 --> 00:12:31,839

it but this is

264

00:12:37,430 --> 00:12:34,639

go back in history don't only look

265

00:12:39,190 --> 00:12:37,440

forward from 2004 they've got to go give

266

00:12:41,910 --> 00:12:39,200

us historical evidence they have about

267

00:12:45,350 --> 00:12:41,920

artifacts now given what we've seen

268

00:12:49,190 --> 00:12:45,360

about the attempts at secrecy by any

269

00:12:51,990 --> 00:12:49,200

means necessary from the 1940s on

270

00:12:54,389 --> 00:12:52,000

uh i got to tell you i can't wait to

271

00:12:56,790 --> 00:12:54,399

find out what we actually have

272

00:12:58,949 --> 00:12:56,800

yeah and reverse engineers in there the

273

00:13:01,829 --> 00:12:58,959

one thing that didn't get in there that

274

00:13:04,829 --> 00:13:01,839

was changed in the last few days was the

275

00:13:06,389 --> 00:13:04,839

citizen science panel right was

276

00:13:08,710 --> 00:13:06,399

removed

277

00:13:11,509 --> 00:13:08,720

no you figured that was that might have

278

00:13:12,949 --> 00:13:11,519

been to do with clearances is that right

279

00:13:15,350 --> 00:13:12,959

do you think that that may have happened

280

00:13:18,150 --> 00:13:15,360

no no that's pure crap the reason that's

281

00:13:19,910 --> 00:13:18,160

pure crap is the original language said

282

00:13:22,310 --> 00:13:19,920

the only people they could pick were

283

00:13:25,269 --> 00:13:22,320

those who could get clearances

284

00:13:26,870 --> 00:13:25,279

so that was a that was a ruse

285

00:13:29,110 --> 00:13:26,880

they didn't want this bill to pass at

286

00:13:31,829 --> 00:13:29,120

all but what they got was a little

287

00:13:34,310 --> 00:13:31,839

clawback so these quote crazy

288

00:13:37,110 --> 00:13:34,320

independent scientists won't talk out of

289

00:13:39,350 --> 00:13:37,120

school even even though they were

290

00:13:41,310 --> 00:13:39,360

going to be required to have a security

291

00:13:42,870 --> 00:13:41,320

clearance to be engaged

292

00:13:44,069 --> 00:13:42,880

[Music]

293

00:13:49,269 --> 00:13:44,079

i got

294

00:13:51,670 --> 00:13:49,279

we go on back decades ago when you when

295

00:13:52,470 --> 00:13:51,680

you got into all this everything in here

296

00:13:54,389 --> 00:13:52,480

right

297

00:13:56,069 --> 00:13:54,399

um did you ever think you'd see that

298

00:13:57,269 --> 00:13:56,079

this day like

299

00:14:00,069 --> 00:13:57,279

did you ever think you'd see this

300

00:14:01,590 --> 00:14:00,079

happening and then b

301

00:14:04,470 --> 00:14:01,600

what do you think are the potential

302

00:14:06,790 --> 00:14:04,480

negatives or downsides of this happening

303

00:14:08,870 --> 00:14:06,800

in this office in general are there any

304

00:14:11,269 --> 00:14:08,880

okay so uh um

305

00:14:14,230 --> 00:14:11,279

good question so i never i never thought

306

00:14:16,310 --> 00:14:14,240

we would get here so when when i started

307

00:14:19,189 --> 00:14:16,320

getting interested after i kept hearing

308

00:14:21,750 --> 00:14:19,199

these rumors and seeing some evidence

309

00:14:23,750 --> 00:14:21,760

inside the government and i reached out

310

00:14:26,150 --> 00:14:23,760

and became a member of the richard dolan

311

00:14:28,790 --> 00:14:26,160

forum and quickly got

312

00:14:32,389 --> 00:14:28,800

known and active and noticed and so

313

00:14:34,870 --> 00:14:32,399

forth and then watch him interview

314

00:14:37,509 --> 00:14:34,880

christopher bledsoe and then go to chris

315

00:14:38,550 --> 00:14:37,519

bledsoe's house and stay for a few days

316

00:14:41,269 --> 00:14:38,560

and

317

00:14:43,910 --> 00:14:41,279

literally have my life changed forever

318

00:14:46,230 --> 00:14:43,920

i never thought we would but i knew that

319

00:14:49,590 --> 00:14:46,240

we needed better instruments so i tried

320

00:14:52,470 --> 00:14:49,600

to get an activity going which is uh

321

00:14:55,670 --> 00:14:52,480

with uaptn and skyhub and all of that

322

00:14:56,629 --> 00:14:55,680

has now gone on and morphed into sky 60

323

00:14:59,590 --> 00:14:56,639

which is

324

00:15:02,629 --> 00:14:59,600

based in uh europe but it's good it's

325

00:15:04,389 --> 00:15:02,639

international so uh it's gonna be the

326

00:15:07,590 --> 00:15:04,399

but the active look

327

00:15:09,990 --> 00:15:07,600

the i wrote out a list of the sensors i

328

00:15:13,269 --> 00:15:10,000

thought we needed inside of a system

329

00:15:16,870 --> 00:15:13,279

that would have video uh ir

330

00:15:18,870 --> 00:15:16,880

uh uh gravity gravity accelerometers all

331

00:15:20,790 --> 00:15:18,880

sorts of instruments so that we could

332

00:15:22,710 --> 00:15:20,800

see all sorts of the ambient things that

333

00:15:24,870 --> 00:15:22,720

were going on in and around these

334

00:15:26,389 --> 00:15:24,880

sightings of ufos and i still think

335

00:15:29,430 --> 00:15:26,399

that's going to go on because i think

336

00:15:31,430 --> 00:15:29,440

citizen scientists can help and so i've

337

00:15:33,269 --> 00:15:31,440

i've recently taken a trip and gone a

338

00:15:35,749 --> 00:15:33,279

place where i'd like to put one of those

339

00:15:38,150 --> 00:15:35,759

things and we can discuss it later so so

340

00:15:40,949 --> 00:15:38,160

that's that's question number one is i

341

00:15:43,430 --> 00:15:40,959

started doing stuff that i thought would

342

00:15:45,910 --> 00:15:43,440

help and it turns out that the

343

00:15:47,350 --> 00:15:45,920

government is going to start doing

344

00:15:50,949 --> 00:15:47,360

things

345

00:15:53,509 --> 00:15:50,959

that have never been done before and let

346

00:15:55,590 --> 00:15:53,519

me give you the most concrete example

347

00:15:58,069 --> 00:15:55,600

because i'm sure that others wrote but i

348

00:15:59,189 --> 00:15:58,079

wrote this white paper and sent it in to

349

00:16:00,949 --> 00:15:59,199

people

350

00:16:02,790 --> 00:16:00,959

and and i don't i don't know whether mom

351
00:16:04,230 --> 00:16:02,800
was the only voice i'm sure i'm not the

352
00:16:06,389 --> 00:16:04,240
only voice but

353
00:16:09,189 --> 00:16:06,399
that overall voice was heard they're

354
00:16:11,350 --> 00:16:09,199
gonna take all of the exquisite

355
00:16:14,069 --> 00:16:11,360
unbelievable

356
00:16:16,710 --> 00:16:14,079
capabilities beyond imagining sensors

357
00:16:19,110 --> 00:16:16,720
that are operated by the united states

358
00:16:22,069 --> 00:16:19,120
government and force them to fuse the

359
00:16:24,629 --> 00:16:22,079
information together to to find out

360
00:16:27,910 --> 00:16:24,639
things about uaps and that has never

361
00:16:30,870 --> 00:16:27,920
been done before by any entity

362
00:16:31,829 --> 00:16:30,880
that i am aware of so this entity is the

363
00:16:34,470 --> 00:16:31,839

first

364

00:16:36,389 --> 00:16:34,480
multi-sensor fusion entity in the

365

00:16:39,430 --> 00:16:36,399
government i've been trying to get them

366

00:16:42,069 --> 00:16:39,440
to fuse sensors using the the

367

00:16:44,790 --> 00:16:42,079
capabilities that we've had for

368

00:16:47,030 --> 00:16:44,800
at least a decade and even enhanced now

369

00:16:49,030 --> 00:16:47,040
that machine learning has come on so far

370

00:16:51,910 --> 00:16:49,040
that will allow us to do all sorts of

371

00:16:55,509 --> 00:16:51,920
stuff and now they're forcing it in this

372

00:16:58,470 --> 00:16:55,519
bill therefore multi-sensor fusion so if

373

00:17:01,990 --> 00:16:58,480
a if a ir satellite sees a fast walker

374

00:17:02,790 --> 00:17:02,000
come in and they track it down over say

375

00:17:04,470 --> 00:17:02,800
oh

376

00:17:06,789 --> 00:17:04,480

the west coast of the united states and

377

00:17:09,189 --> 00:17:06,799

it hits the pacific ocean now the people

378

00:17:11,510 --> 00:17:09,199

who run the microphones and other things

379

00:17:13,590 --> 00:17:11,520

under the water and the buoys and so

380

00:17:16,230 --> 00:17:13,600

forth they'll all be required to share

381

00:17:17,029 --> 00:17:16,240

their data in an in an interesting way

382

00:17:19,350 --> 00:17:17,039

that

383

00:17:21,350 --> 00:17:19,360

has never been done before in a thing

384

00:17:22,949 --> 00:17:21,360

that was made going to be made available

385

00:17:25,750 --> 00:17:22,959

in a public report

386

00:17:28,230 --> 00:17:25,760

it's just amazing do you think this

387

00:17:30,310 --> 00:17:28,240

process could also help in possibly

388

00:17:31,750 --> 00:17:30,320

other areas let's say could it be

389

00:17:34,310 --> 00:17:31,760

beneficial for

390

00:17:35,029 --> 00:17:34,320

a wartime scenario as well

391

00:17:37,669 --> 00:17:35,039

so

392

00:17:41,350 --> 00:17:37,679

part of uap

393

00:17:42,310 --> 00:17:41,360

and they have said it and it is a huge

394

00:17:43,110 --> 00:17:42,320

deal

395

00:17:45,510 --> 00:17:43,120

is

396

00:17:47,990 --> 00:17:45,520

bad guys are flying drones all around

397

00:17:50,549 --> 00:17:48,000

our stuff right i mean they are i mean

398

00:17:53,669 --> 00:17:50,559

they're they're even dropping bombs from

399

00:17:55,190 --> 00:17:53,679

these little inexpensive drones over our

400

00:17:57,270 --> 00:17:55,200

troops in

401
00:17:59,350 --> 00:17:57,280
around the world so

402
00:18:01,990 --> 00:17:59,360
that is a thing they definitely care

403
00:18:03,909 --> 00:18:02,000
about so that was a

404
00:18:06,150 --> 00:18:03,919
part off and a major part of the

405
00:18:08,150 --> 00:18:06,160
motivation behind this bill we got to

406
00:18:10,710 --> 00:18:08,160
stop hiding our head in the sand these

407
00:18:13,029 --> 00:18:10,720
bad guys and individuals terrorists and

408
00:18:15,270 --> 00:18:13,039
governments are using drones and we got

409
00:18:18,390 --> 00:18:15,280
to figure out how to keep them from

410
00:18:20,390 --> 00:18:18,400
interfering with the operation of our

411
00:18:21,830 --> 00:18:20,400
exquisite military that's out there

412
00:18:23,669 --> 00:18:21,840
doing the job

413
00:18:25,990 --> 00:18:23,679

that our government has decided they

414

00:18:28,150 --> 00:18:26,000

need to do under the civilian leadership

415

00:18:31,510 --> 00:18:28,160

of the president united states so drones

416

00:18:35,110 --> 00:18:31,520

are a big deal but we also know that the

417

00:18:37,510 --> 00:18:35,120

operations of nuclear missiles uh

418

00:18:40,390 --> 00:18:37,520

nuclear aircraft carriers nuclear

419

00:18:42,470 --> 00:18:40,400

submarines and other other things have

420

00:18:43,750 --> 00:18:42,480

been other controlled airspace and

421

00:18:46,789 --> 00:18:43,760

controlled

422

00:18:47,669 --> 00:18:46,799

water space etc all of those have been

423

00:18:52,789 --> 00:18:47,679

uh

424

00:18:55,029 --> 00:18:52,799

upon it is probably a better word but

425

00:18:58,470 --> 00:18:55,039

not an invasion but encroached upon by

426
00:19:01,990 --> 00:18:58,480
uap and usos and those things need to be

427
00:19:03,110 --> 00:19:02,000
understood because we've had detailed

428
00:19:06,789 --> 00:19:03,120
multiple

429
00:19:09,430 --> 00:19:06,799
instances of the uss teddy roosevelt in

430
00:19:12,870 --> 00:19:09,440
the middle uh 2010s

431
00:19:13,590 --> 00:19:12,880
of uh them seeing these things interfere

432
00:19:16,950 --> 00:19:13,600
with

433
00:19:19,909 --> 00:19:16,960
aircraft navigation and operations every

434
00:19:22,549 --> 00:19:19,919
day for hundreds of days and they're

435
00:19:24,870 --> 00:19:22,559
gonna ignore it no though congress has

436
00:19:26,310 --> 00:19:24,880
said you're not ignoring this anymore

437
00:19:28,950 --> 00:19:26,320
you're gonna look and you're gonna tell

438
00:19:30,710 --> 00:19:28,960

us about it yeah especially when you

439

00:19:33,110 --> 00:19:30,720

you know i can't get out my head out of

440

00:19:35,190 --> 00:19:33,120

the well i'm out of the 40s and 50s now

441

00:19:37,350 --> 00:19:35,200

i'm in the 60s but it's it's just

442

00:19:39,830 --> 00:19:37,360

incredible how long this has been going

443

00:19:42,230 --> 00:19:39,840

on too uh a lot of people you know on

444

00:19:44,549 --> 00:19:42,240

the outside just think ufos in the 60s

445

00:19:45,669 --> 00:19:44,559

they think civilian whatever they see

446

00:19:48,150 --> 00:19:45,679

something but

447

00:19:51,350 --> 00:19:48,160

this very same type of thing was

448

00:19:53,430 --> 00:19:51,360

happening to ships of the ocean and to

449

00:19:57,029 --> 00:19:53,440

our bases

450

00:20:00,070 --> 00:19:57,039

in america uh since 1947 at least yeah

451
00:20:01,029 --> 00:20:00,080
yeah and the bill also demands that the

452
00:20:02,710 --> 00:20:01,039
uh

453
00:20:05,190 --> 00:20:02,720
all of the entities involved in the

454
00:20:07,590 --> 00:20:05,200
government must keep an eye toward

455
00:20:10,310 --> 00:20:07,600
reverse engineering this is new

456
00:20:12,870 --> 00:20:10,320
propulsion new power sources

457
00:20:15,830 --> 00:20:12,880
maybe maybe for the first time we

458
00:20:18,789 --> 00:20:15,840
understand how these these things that

459
00:20:21,350 --> 00:20:18,799
we observe maneuvering propel themselves

460
00:20:23,590 --> 00:20:21,360
and find the energy to do the propulsion

461
00:20:25,190 --> 00:20:23,600
if we do that the entire world will

462
00:20:27,029 --> 00:20:25,200
change forever

463
00:20:28,549 --> 00:20:27,039

i got one more question for you as far

464

00:20:31,110 --> 00:20:28,559

as propulsion goes i don't know if you'd

465

00:20:33,430 --> 00:20:31,120

know or not but um

466

00:20:35,430 --> 00:20:33,440

well it'd be a speculation of course but

467

00:20:37,029 --> 00:20:35,440

do you think there'd be

468

00:20:40,470 --> 00:20:37,039

any way to

469

00:20:42,390 --> 00:20:40,480

do you think using geomagnetic forces or

470

00:20:45,510 --> 00:20:42,400

electromagnetic forces could be a way to

471

00:20:47,750 --> 00:20:45,520

do that i i think the rights i'm a

472

00:20:49,430 --> 00:20:47,760

scientist the right thing for me as a

473

00:20:51,590 --> 00:20:49,440

scientist to say

474

00:20:53,669 --> 00:20:51,600

is is if i was going to do this work

475

00:20:57,669 --> 00:20:53,679

especially if i was going to get paid

476
00:20:59,590 --> 00:20:57,679
uh i'm going to look for all sorts of

477
00:21:02,230 --> 00:20:59,600
force fields

478
00:21:05,350 --> 00:21:02,240
electromagnetic gravitic whatever is

479
00:21:08,149 --> 00:21:05,360
going on around these around these craft

480
00:21:10,710 --> 00:21:08,159
when we see them maneuver and from that

481
00:21:13,830 --> 00:21:10,720
try to tease out something about the

482
00:21:17,270 --> 00:21:13,840
physics behind what we're observing then

483
00:21:19,669 --> 00:21:17,280
there's something good so i believe

484
00:21:24,789 --> 00:21:19,679
especially with all of the recent mini

485
00:21:26,950 --> 00:21:24,799
papers about how to engineer space-time

486
00:21:27,909 --> 00:21:26,960
or around the spacecraft with these warp

487
00:21:31,830 --> 00:21:27,919
bubbles

488
00:21:33,990 --> 00:21:31,840

that the only way i can see

489

00:21:35,830 --> 00:21:34,000

to have a craft

490

00:21:38,630 --> 00:21:35,840

go through the air

491

00:21:40,630 --> 00:21:38,640

way above the speed of sound without

492

00:21:42,950 --> 00:21:40,640

burning up from friction is they're

493

00:21:44,950 --> 00:21:42,960

surrounded by some kind of warp bubble

494

00:21:46,470 --> 00:21:44,960

and they're doing it without a sonic

495

00:21:49,350 --> 00:21:46,480

boom and so

496

00:21:51,830 --> 00:21:49,360

space itself just opens up and moves

497

00:21:54,710 --> 00:21:51,840

back together and the air

498

00:21:58,549 --> 00:21:54,720

gets moved apart with the bubble as the

499

00:22:00,310 --> 00:21:58,559

craft goes by and so the air never gets

500

00:22:02,950 --> 00:22:00,320

compressed by something move at the

501
00:22:05,990 --> 00:22:02,960
speed of sound through the air it's

502
00:22:08,149 --> 00:22:06,000
actual space-time that's being dilated

503
00:22:10,149 --> 00:22:08,159
and contracted to

504
00:22:12,950 --> 00:22:10,159
move the spacecraft that's why you don't

505
00:22:15,270 --> 00:22:12,960
hear a sonic boom and whatever

506
00:22:18,149 --> 00:22:15,280
so every time you manipulate the

507
00:22:21,190 --> 00:22:18,159
space-time around one of these objects

508
00:22:23,350 --> 00:22:21,200
all of the heat that it gives off from

509
00:22:24,310 --> 00:22:23,360
the energy sources that causes it to

510
00:22:26,870 --> 00:22:24,320
work

511
00:22:30,710 --> 00:22:26,880
they are going to be doppler shifted

512
00:22:33,270 --> 00:22:30,720
from invisible to visible and beyond so

513
00:22:36,230 --> 00:22:33,280

i think almost all of the

514

00:22:39,510 --> 00:22:36,240

the visible light and the radiation that

515

00:22:41,909 --> 00:22:39,520

harms people is from these photons going

516

00:22:43,350 --> 00:22:41,919

through a

517

00:22:45,669 --> 00:22:43,360

gravitational

518

00:22:47,830 --> 00:22:45,679

shift that causes them to change

519

00:22:50,470 --> 00:22:47,840

frequency and these frequencies can

520

00:22:52,630 --> 00:22:50,480

either be now be visible or harmful

521

00:22:55,190 --> 00:22:52,640

i think i think this is a i think warp

522

00:22:58,549 --> 00:22:55,200

bubble is a great explanation but as a

523

00:23:01,750 --> 00:22:58,559

scientist what i care about is give me

524

00:23:04,070 --> 00:23:01,760

data so that i can run experiments

525

00:23:04,870 --> 00:23:04,080

yeah yeah

526
00:23:08,470 --> 00:23:04,880
yeah

527
00:23:12,710 --> 00:23:11,029
mandates that it gets done for the first

528
00:23:14,950 --> 00:23:12,720
time

529
00:23:16,789 --> 00:23:14,960
love that it's amazing it's an amazing

530
00:23:19,029 --> 00:23:16,799
historic day we all

531
00:23:20,710 --> 00:23:19,039
we all should do victory laps if we can

532
00:23:22,710 --> 00:23:20,720
if we can get around

533
00:23:25,990 --> 00:23:22,720
the track we should do we should do a

534
00:23:28,789 --> 00:23:26,000
victory lap um can you uh now one thing

535
00:23:30,789 --> 00:23:28,799
i i think you'll appreciate this given

536
00:23:33,029 --> 00:23:30,799
your um

537
00:23:35,669 --> 00:23:33,039
predilection towards the big view

538
00:23:38,870 --> 00:23:35,679

in many different ways um can you tell

539

00:23:41,350 --> 00:23:38,880

us a little bit about hawkeye 360 and

540

00:23:43,350 --> 00:23:41,360

kind of like what it might imply in

541

00:23:44,950 --> 00:23:43,360

terms of why it's significant that

542

00:23:47,269 --> 00:23:44,960

you've turned your attention towards

543

00:23:49,190 --> 00:23:47,279

ufology that's a that's a terrific thing

544

00:23:51,430 --> 00:23:49,200

so so it

545

00:23:53,669 --> 00:23:51,440

the beginning of it had absolutely zero

546

00:23:55,110 --> 00:23:53,679

to do with ufology so

547

00:23:55,990 --> 00:23:55,120

uh the

548

00:23:58,950 --> 00:23:56,000

the

549

00:24:03,430 --> 00:23:58,960

i realized that

550

00:24:04,870 --> 00:24:03,440

my my experiences and my capabilities my

551
00:24:07,990 --> 00:24:04,880
education

552
00:24:09,669 --> 00:24:08,000
on the job and off the job training etc

553
00:24:12,470 --> 00:24:09,679
prepared me

554
00:24:14,950 --> 00:24:12,480
to do a particular kind of work and do

555
00:24:15,830 --> 00:24:14,960
it well which is

556
00:24:19,909 --> 00:24:15,840
uh

557
00:24:21,590 --> 00:24:19,919
find the location of transmitting things

558
00:24:23,990 --> 00:24:21,600
that are on the earth

559
00:24:25,430 --> 00:24:24,000
so a large portion of what the united

560
00:24:28,789 --> 00:24:25,440
states intelligence community and

561
00:24:30,470 --> 00:24:28,799
defense community does is find out who's

562
00:24:32,149 --> 00:24:30,480
transmitting and once they find out

563
00:24:34,149 --> 00:24:32,159

who's transmitting why are they

564

00:24:35,990 --> 00:24:34,159

transmitting if you find out who they

565

00:24:38,950 --> 00:24:36,000

are and why they're transmitting can you

566

00:24:41,430 --> 00:24:38,960

then tell us what they're saying so that

567

00:24:43,430 --> 00:24:41,440

is many layers of government involved in

568

00:24:45,750 --> 00:24:43,440

all of that so

569

00:24:48,310 --> 00:24:45,760

uh and we have

570

00:24:50,870 --> 00:24:48,320

exquisite capabilities in the united

571

00:24:53,990 --> 00:24:50,880

states government people just have

572

00:24:55,590 --> 00:24:54,000

no idea of the capabilities the united

573

00:24:57,029 --> 00:24:55,600

states government has but here's the

574

00:24:57,909 --> 00:24:57,039

thing i found out

575

00:25:00,789 --> 00:24:57,919

and

576

00:25:04,950 --> 00:25:00,799

i'm about to tell you why i started uh

577

00:25:06,710 --> 00:25:04,960

hellchi 360. i went into an office which

578

00:25:09,190 --> 00:25:06,720

has a lot to do

579

00:25:11,269 --> 00:25:09,200

with orbiting sensors built for the

580

00:25:15,750 --> 00:25:11,279

united states government

581

00:25:18,470 --> 00:25:15,760

and i found out that if a hundred people

582

00:25:20,870 --> 00:25:18,480

walk in the door of the government

583

00:25:23,110 --> 00:25:20,880

other government customers not just not

584

00:25:26,390 --> 00:25:23,120

just not external just government

585

00:25:29,830 --> 00:25:26,400

customers walk in the door and say i

586

00:25:32,470 --> 00:25:29,840

need your help with your amazing sensors

587

00:25:33,830 --> 00:25:32,480

under 10 get helped

588

00:25:39,830 --> 00:25:33,840

no

589

00:25:43,350 --> 00:25:39,840

okay so i said

590

00:25:44,710 --> 00:25:43,360

i believe that technology has changed so

591

00:25:48,630 --> 00:25:44,720

much

592

00:25:52,789 --> 00:25:48,640

that with the right set of ideas

593

00:25:54,870 --> 00:25:52,799

we can help the bottom 10 or 20 percent

594

00:25:57,590 --> 00:25:54,880

and it turned out

595

00:26:00,310 --> 00:25:57,600

that ants asking that question can i

596

00:26:02,710 --> 00:26:00,320

help the bottom 10 or 20 percent i would

597

00:26:06,390 --> 00:26:02,720

up being able to help a lot more

598

00:26:09,830 --> 00:26:06,400

so i came up with ideas of how to take

599

00:26:12,310 --> 00:26:09,840

spacecraft and use them together along

600

00:26:14,230 --> 00:26:12,320

with modern technology

601
00:26:16,470 --> 00:26:14,240
uh better clocks better oscillators

602
00:26:20,310 --> 00:26:16,480
better timing better location better

603
00:26:22,230 --> 00:26:20,320
computers better ground systems using

604
00:26:24,149 --> 00:26:22,240
massive computing that's now cheap

605
00:26:25,990 --> 00:26:24,159
enough for a company to own not you

606
00:26:28,230 --> 00:26:26,000
don't need a government budget to buy

607
00:26:30,870 --> 00:26:28,240
these equipment i could take a few

608
00:26:34,149 --> 00:26:30,880
spacecraft and locate something on the

609
00:26:37,029 --> 00:26:34,159
earth to a few meters now we all know

610
00:26:39,510 --> 00:26:37,039
that we have these exquisite set of

611
00:26:41,430 --> 00:26:39,520
satellites in orbit from digital globe

612
00:26:43,590 --> 00:26:41,440
and skybox and all these things that can

613
00:26:46,710 --> 00:26:43,600

take pictures of things that are a meter

614

00:26:49,350 --> 00:26:46,720

or size on the earth the problem is

615

00:26:52,549 --> 00:26:49,360

there's a lots of square meters on the

616

00:26:55,269 --> 00:26:52,559

earth where do these fancy cameras point

617

00:26:58,710 --> 00:26:55,279

that was the missing piece that hawkeye

618

00:27:01,190 --> 00:26:58,720

filled it can say here's a transmitter i

619

00:27:03,430 --> 00:27:01,200

know from the external characteristics

620

00:27:05,909 --> 00:27:03,440

that this transmitter is from the

621

00:27:08,149 --> 00:27:05,919

chinese people's liberation army you

622

00:27:11,350 --> 00:27:08,159

better go take a picture to see what's

623

00:27:13,269 --> 00:27:11,360

going on and i used that example because

624

00:27:16,230 --> 00:27:13,279

anybody listening including the two of

625

00:27:19,110 --> 00:27:16,240

you can go google hawkeye 360 and the

626
00:27:21,909 --> 00:27:19,120
chinese build up on the indian border we

627
00:27:24,310 --> 00:27:21,919
found them before anyone else did

628
00:27:28,470 --> 00:27:24,320
okay that's number one and number two

629
00:27:31,350 --> 00:27:28,480
when wuhan went crazy with covet 19

630
00:27:32,870 --> 00:27:31,360
the first thing hawkeye did was go look

631
00:27:35,830 --> 00:27:32,880
what's happening to all the shipping

632
00:27:38,549 --> 00:27:35,840
traffic going in and out of shanghai etc

633
00:27:41,830 --> 00:27:38,559
it went to zero before anybody declared

634
00:27:44,950 --> 00:27:41,840
an emergency and hawkeye knew it okay so

635
00:27:47,350 --> 00:27:44,960
that's what we're doing all ships all

636
00:27:49,269 --> 00:27:47,360
military units everybody has to

637
00:27:52,070 --> 00:27:49,279
communicate and they'd hint they can't

638
00:27:55,190 --> 00:27:52,080

have a tether they need a radio and our

639

00:27:58,950 --> 00:27:55,200

job is to locate those radios and use

640

00:28:01,510 --> 00:27:58,960

other metadata to say in an intelligence

641

00:28:03,430 --> 00:28:01,520

product i found these radios that's not

642

00:28:05,909 --> 00:28:03,440

good enough you got to say i found these

643

00:28:07,750 --> 00:28:05,919

radios but in finding these radios

644

00:28:10,149 --> 00:28:07,760

here's who i think is using them and

645

00:28:12,230 --> 00:28:10,159

here's what i think they're doing and

646

00:28:13,830 --> 00:28:12,240

you go off and find out if you want to

647

00:28:17,750 --> 00:28:13,840

and the government buys that data

648

00:28:20,470 --> 00:28:17,760

commercial in so for the first time ever

649

00:28:23,269 --> 00:28:20,480

commercial entities can buy the kind of

650

00:28:24,310 --> 00:28:23,279

data the government gets for itself

651
00:28:26,389 --> 00:28:24,320
wow

652
00:28:29,269 --> 00:28:26,399
that's why here was a crazy it was a

653
00:28:30,870 --> 00:28:29,279
crazy thing i had ngo uh

654
00:28:32,789 --> 00:28:30,880
non-governmental organizations and

655
00:28:34,310 --> 00:28:32,799
others around the world care a lot about

656
00:28:39,510 --> 00:28:34,320
illegal fishing

657
00:28:42,470 --> 00:28:39,520
they they turn they they turn off their

658
00:28:44,789 --> 00:28:42,480
locators and their anti-collision things

659
00:28:46,230 --> 00:28:44,799
but they always have on a radar or

660
00:28:48,630 --> 00:28:46,240
something else so because they don't

661
00:28:50,950 --> 00:28:48,640
want to run aground or hit another ship

662
00:28:52,789 --> 00:28:50,960
i can find them so i can now find the

663
00:28:54,789 --> 00:28:52,799

illegal hunting ships all around the

664

00:28:56,549 --> 00:28:54,799

world with hawkeye 360. that's number

665

00:28:59,110 --> 00:28:56,559

one and i'll give you a different one

666

00:29:01,669 --> 00:28:59,120

it's just as crazy so

667

00:29:03,510 --> 00:29:01,679

when we began getting cell towers all

668

00:29:06,149 --> 00:29:03,520

over the world

669

00:29:07,830 --> 00:29:06,159

none of them ever had

670

00:29:10,230 --> 00:29:07,840

the claimed

671

00:29:13,510 --> 00:29:10,240

capacity to carry

672

00:29:15,990 --> 00:29:13,520

conversations they are always less than

673

00:29:17,269 --> 00:29:16,000

the predicted capacity to carry these

674

00:29:21,029 --> 00:29:17,279

conversations

675

00:29:23,669 --> 00:29:21,039

and i had on a hypothesis that it was

676
00:29:25,350 --> 00:29:23,679
caused by unknown sources of

677
00:29:27,669 --> 00:29:25,360
interference

678
00:29:29,669 --> 00:29:27,679
at the receivers on these cell towers

679
00:29:31,830 --> 00:29:29,679
and now we can locate the interference

680
00:29:33,990 --> 00:29:31,840
source to a meter

681
00:29:36,070 --> 00:29:34,000
and so this will save

682
00:29:38,830 --> 00:29:36,080
wireless industries

683
00:29:41,350 --> 00:29:38,840
billions of dollars in capital

684
00:29:43,430 --> 00:29:41,360
expenditures because now they find the

685
00:29:45,750 --> 00:29:43,440
interference source rather than spend a

686
00:29:46,950 --> 00:29:45,760
million dollars for a new tower

687
00:29:48,520 --> 00:29:46,960
yeah

688
00:29:50,070 --> 00:29:48,530

well i hope you get your piece

689

00:29:52,389 --> 00:29:50,080

[Laughter]

690

00:29:54,389 --> 00:29:52,399

so it's just look it was the right time

691

00:29:55,909 --> 00:29:54,399

the right place and the right partners

692

00:29:58,630 --> 00:29:55,919

to get it done

693

00:30:00,789 --> 00:29:58,640

yeah especially yeah these days when uh

694

00:30:03,510 --> 00:30:00,799

you know technology is so accessible to

695

00:30:05,990 --> 00:30:03,520

maybe nefarious people as well and

696

00:30:07,590 --> 00:30:06,000

anybody if a lot lots of other people

697

00:30:10,230 --> 00:30:07,600

that are even that are smarter than me

698

00:30:13,029 --> 00:30:10,240

can do this kind of stuff so i had a set

699

00:30:16,950 --> 00:30:13,039

of experiences but i also realized that

700

00:30:19,750 --> 00:30:16,960

technology is democratizing technical

701
00:30:22,950 --> 00:30:19,760
capabilities like nothing before we are

702
00:30:23,830 --> 00:30:22,960
in the golden age of technology

703
00:30:25,909 --> 00:30:23,840
hmm

704
00:30:27,750 --> 00:30:25,919
do you see a power sorry if i'm hogging

705
00:30:30,870 --> 00:30:27,760
the mic here uh j do you see a like a

706
00:30:33,110 --> 00:30:30,880
power shift coming with that as well yes

707
00:30:35,990 --> 00:30:33,120
yes i do in which way

708
00:30:38,549 --> 00:30:36,000
so it'll be good and it'll be bad like

709
00:30:40,870 --> 00:30:38,559
all things it depends so

710
00:30:42,870 --> 00:30:40,880
bad entities can now take the

711
00:30:45,190 --> 00:30:42,880
capabilities in these little pieces of

712
00:30:47,750 --> 00:30:45,200
technology and do things that 20 years

713
00:30:49,909 --> 00:30:47,760

ago only governments can do and they

714

00:30:53,029 --> 00:30:49,919

will not they will not use it for our

715

00:30:54,470 --> 00:30:53,039

benefit in the western civilization they

716

00:30:56,310 --> 00:30:54,480

will do whatever they want to do with it

717

00:30:58,710 --> 00:30:56,320

hopefully they will use it

718

00:31:00,789 --> 00:30:58,720

in a positive way to help their people

719

00:31:02,789 --> 00:31:00,799

and that's what i hope they do

720

00:31:05,430 --> 00:31:02,799

yeah

721

00:31:07,029 --> 00:31:05,440

go ahead jay i don't mean to hug the mic

722

00:31:09,350 --> 00:31:07,039

oh no not at all

723

00:31:11,750 --> 00:31:09,360

job is just very interesting

724

00:31:13,990 --> 00:31:11,760

absolutely well uh one more question

725

00:31:15,350 --> 00:31:14,000

along these lines and in terms of kind

726

00:31:16,950 --> 00:31:15,360

of like really trying to suss this out a

727

00:31:19,430 --> 00:31:16,960

little bit you know so much of your

728

00:31:21,590 --> 00:31:19,440

career has been spent specializing in

729

00:31:25,269 --> 00:31:21,600

radio waves and detection

730

00:31:27,590 --> 00:31:25,279

and seti has famously supposedly come up

731

00:31:30,310 --> 00:31:27,600

with a real big goose egg in terms of

732

00:31:32,230 --> 00:31:30,320

radio detection of other life out there

733

00:31:35,190 --> 00:31:32,240

is that do you think that's a problem of

734

00:31:38,310 --> 00:31:35,200

methodology do we know of better ways to

735

00:31:42,310 --> 00:31:38,320

use rf to detect other life here or

736

00:31:44,630 --> 00:31:42,320

elsewhere so the the the in the end the

737

00:31:46,950 --> 00:31:44,640

people at the seti institute which is

738

00:31:49,509 --> 00:31:46,960

private entity not funded by government

739

00:31:51,669 --> 00:31:49,519
since william proxmyer ended all

740

00:31:52,630 --> 00:31:51,679
government funding for seti

741

00:31:56,630 --> 00:31:52,640
um

742

00:31:58,789 --> 00:31:56,640
they built a radio telescope in uh

743

00:32:01,269 --> 00:31:58,799
hat creek california

744

00:32:04,389 --> 00:32:01,279
funded by paul allen

745

00:32:07,190 --> 00:32:04,399
now the issue there is it's was never

746

00:32:09,110 --> 00:32:07,200
completed it has a the number of

747

00:32:11,190 --> 00:32:09,120
instruments it has

748

00:32:12,789 --> 00:32:11,200
are limited there are other radio

749

00:32:14,710 --> 00:32:12,799
telescopes around the world but they're

750

00:32:16,789 --> 00:32:14,720
doing science they're not looking for

751
00:32:19,029 --> 00:32:16,799
extraterrestrial intelligence the one in

752
00:32:21,509 --> 00:32:19,039
hack creek is the only one dedicated to

753
00:32:23,830 --> 00:32:21,519
that right now

754
00:32:25,509 --> 00:32:23,840
i don't believe it has the necessary

755
00:32:29,909 --> 00:32:25,519
sensitivity

756
00:32:32,710 --> 00:32:29,919
uh to do that so uh i have some ideas

757
00:32:35,269 --> 00:32:32,720
about how to help them

758
00:32:37,990 --> 00:32:35,279
drastically improve

759
00:32:40,630 --> 00:32:38,000
what's called the dynamic range so let's

760
00:32:42,549 --> 00:32:40,640
what do i mean by that let's have a

761
00:32:45,430 --> 00:32:42,559
frequency band this wide let's call it

762
00:32:46,630 --> 00:32:45,440
the fm band and the fm band is full of

763
00:32:49,029 --> 00:32:46,640

signals

764

00:32:49,830 --> 00:32:49,039

well i want to find a really really weak

765

00:32:57,590 --> 00:32:49,840

one

766

00:33:00,710 --> 00:32:57,600

the receiver has to have what's called

767

00:33:03,509 --> 00:33:00,720

large dynamic range so it can hear the

768

00:33:04,870 --> 00:33:03,519

strong one and the weak one at exactly

769

00:33:07,029 --> 00:33:04,880

the same time

770

00:33:10,470 --> 00:33:07,039

steady is

771

00:33:12,789 --> 00:33:10,480

just hammered by interference that they

772

00:33:15,190 --> 00:33:12,799

did not believe they would be subjected

773

00:33:17,830 --> 00:33:15,200

to so right over the mountains is a

774

00:33:19,750 --> 00:33:17,840

large population along the coast of

775

00:33:22,149 --> 00:33:19,760

california and

776

00:33:24,470 --> 00:33:22,159

knife edge diffraction and other forms

777

00:33:26,230 --> 00:33:24,480

of propagation are bringing all that

778

00:33:28,310 --> 00:33:26,240

interference over the mountain and

779

00:33:29,990 --> 00:33:28,320

harming seti's efforts so they need to

780

00:33:32,149 --> 00:33:30,000

figure out how to increase the dynamic

781

00:33:36,149 --> 00:33:32,159

range of their receivers i'm hoping i'll

782

00:33:38,070 --> 00:33:36,159

be able to help and uh so so uh but but

783

00:33:40,710 --> 00:33:38,080

they just need to find better ways to

784

00:33:42,549 --> 00:33:40,720

look for weaker signals now given what

785

00:33:44,950 --> 00:33:42,559

the money they had

786

00:33:47,269 --> 00:33:44,960

they only could take

787

00:33:49,350 --> 00:33:47,279

one approach we all know it's not

788

00:33:51,909 --> 00:33:49,360

adequate but they only take one approach

789

00:33:53,750 --> 00:33:51,919

and that is the target approach what did

790

00:33:55,190 --> 00:33:53,760

i what do i mean by that

791

00:33:59,990 --> 00:33:55,200

they guess

792

00:34:01,830 --> 00:34:00,000

planet around it so they point this

793

00:34:04,389 --> 00:34:01,840

telescope with you with high gain

794

00:34:05,350 --> 00:34:04,399

antennas and it looks at a spec on the

795

00:34:07,430 --> 00:34:05,360

sky

796

00:34:09,750 --> 00:34:07,440

so remember the thing i told you about

797

00:34:11,750 --> 00:34:09,760

hawkeye 360. there's lots of square

798

00:34:14,069 --> 00:34:11,760

meters on the earth so somebody needed

799

00:34:16,470 --> 00:34:14,079

to help them they needed another kind

800

00:34:17,669 --> 00:34:16,480

they needed another kind of instrument

801
00:34:19,990 --> 00:34:17,679
to find

802
00:34:23,349 --> 00:34:20,000
candidates that's the exquisite

803
00:34:24,389 --> 00:34:23,359
sensitivity instruments can go after so

804
00:34:26,389 --> 00:34:24,399
i don't know

805
00:34:27,990 --> 00:34:26,399
i don't if there ever be money for

806
00:34:30,629 --> 00:34:28,000
building the kind of

807
00:34:32,310 --> 00:34:30,639
equipment that's needed to do the survey

808
00:34:35,589 --> 00:34:32,320
that then is followed by the targeted

809
00:34:37,270 --> 00:34:35,599
look but but that's the problem is they

810
00:34:39,909 --> 00:34:37,280
have capability it's excellent

811
00:34:41,990 --> 00:34:39,919
capability it could use some more work

812
00:34:44,230 --> 00:34:42,000
and it needs another toy that they don't

813
00:34:45,750 --> 00:34:44,240

have the money to fund

814

00:34:47,750 --> 00:34:45,760

they're being hammered

815

00:34:50,470 --> 00:34:47,760

but for not succeeding and they've done

816

00:34:53,510 --> 00:34:50,480

the best they can it's maybe their way

817

00:34:55,669 --> 00:34:53,520

of doing things a little

818

00:34:57,829 --> 00:34:55,679

i don't want to say outdated but maybe

819

00:34:59,349 --> 00:34:57,839

things are shifting because of where we

820

00:35:01,990 --> 00:34:59,359

are now with technology and the amount

821

00:35:05,270 --> 00:35:02,000

of noise that's out there is you know

822

00:35:08,630 --> 00:35:05,280

finding e.t life via a faint radio

823

00:35:10,630 --> 00:35:08,640

signal uh the most practical way to even

824

00:35:13,510 --> 00:35:10,640

move forward on something like that

825

00:35:15,589 --> 00:35:13,520

right now okay so i think it's a way and

826

00:35:17,349 --> 00:35:15,599

they're using private funds more power

827

00:35:20,069 --> 00:35:17,359

to them if they can do it with private

828

00:35:21,270 --> 00:35:20,079

funds okay so uh but but i believe in

829

00:35:23,030 --> 00:35:21,280

order to be

830

00:35:24,870 --> 00:35:23,040

what what would be the greatest thing

831

00:35:26,069 --> 00:35:24,880

ever is for them to get a clear

832

00:35:28,150 --> 00:35:26,079

candidate

833

00:35:30,150 --> 00:35:28,160

after that i might really believe with

834

00:35:32,230 --> 00:35:30,160

all my heart money won't be an issue now

835

00:35:35,109 --> 00:35:32,240

that's number one number two

836

00:35:38,069 --> 00:35:35,119

uh we all want to get on our knees and

837

00:35:39,349 --> 00:35:38,079

do some of this for success on december

838

00:35:45,510 --> 00:35:39,359

22nd

839

00:35:48,630 --> 00:35:45,520

telescope is launched and if that if

840

00:35:52,630 --> 00:35:48,640

there's any hiccup along the way 10

841

00:35:54,150 --> 00:35:52,640

billion dollars is gone okay so uh

842

00:35:56,150 --> 00:35:54,160

it's literally

843

00:35:57,910 --> 00:35:56,160

hundreds of points of failure and none

844

00:35:59,670 --> 00:35:57,920

of them can fail or the mission will

845

00:36:02,230 --> 00:35:59,680

fail all right but let's suppose they

846

00:36:04,710 --> 00:36:02,240

get there suppose they get into l2

847

00:36:06,790 --> 00:36:04,720

uh uh between earth moon

848

00:36:09,190 --> 00:36:06,800

and and sun so when it sits there in

849

00:36:10,230 --> 00:36:09,200

this halo orbit and it works for 10

850

00:36:15,589 --> 00:36:10,240

years

851
00:36:17,190 --> 00:36:15,599
uh the thing is so freaking unbelievably

852
00:36:18,790 --> 00:36:17,200
sensitive

853
00:36:21,589 --> 00:36:18,800
that if

854
00:36:24,950 --> 00:36:21,599
a few hundred light years from earth

855
00:36:28,069 --> 00:36:24,960
there's a planet orbiting another star

856
00:36:29,990 --> 00:36:28,079
and it has a night side and a day side

857
00:36:33,190 --> 00:36:30,000
and we regularly get to see the night

858
00:36:35,750 --> 00:36:33,200
side and on that night side there's a

859
00:36:37,349 --> 00:36:35,760
megalopolis the size of new york to

860
00:36:38,230 --> 00:36:37,359
washington dc

861
00:36:41,109 --> 00:36:38,240
okay

862
00:36:44,310 --> 00:36:41,119
of of alien beings the james webb

863
00:36:46,150 --> 00:36:44,320

telescope will detect it

864

00:36:49,190 --> 00:36:46,160

[Laughter]

865

00:36:50,310 --> 00:36:49,200

we'll find those cities on the dark side

866

00:36:53,430 --> 00:36:50,320

of a planet

867

00:36:55,990 --> 00:36:53,440

i mean come on we gotta want this and so

868

00:36:58,390 --> 00:36:56,000

once once we find these detections we

869

00:37:01,349 --> 00:36:58,400

can aim radio telescopes even the big

870

00:37:03,829 --> 00:37:01,359

ones at that civilization and try to

871

00:37:06,710 --> 00:37:03,839

find their radio signals so look we need

872

00:37:09,270 --> 00:37:06,720

to have we need multi-messenger

873

00:37:13,270 --> 00:37:09,280

approaches to doing these detections

874

00:37:15,510 --> 00:37:13,280

light radio x-rays we need all sorts of

875

00:37:17,109 --> 00:37:15,520

things to find these things and finally

876

00:37:18,870 --> 00:37:17,119

technology is reaching the place where

877

00:37:20,630 --> 00:37:18,880

we can do this but we need all hands on

878

00:37:22,950 --> 00:37:20,640

deck said he included

879

00:37:25,270 --> 00:37:22,960

yeah

880

00:37:27,430 --> 00:37:25,280

along those lines of detection since you

881

00:37:30,630 --> 00:37:27,440

started your career there have been some

882

00:37:32,870 --> 00:37:30,640

significant advances in detection

883

00:37:35,430 --> 00:37:32,880

to put it mildly planets outside our

884

00:37:37,030 --> 00:37:35,440

solar system gravitational waves dark

885

00:37:38,550 --> 00:37:37,040

matter dark energy

886

00:37:40,310 --> 00:37:38,560

according to some it looks like we

887

00:37:42,310 --> 00:37:40,320

figured out that we can maybe only

888

00:37:44,310 --> 00:37:42,320

account for five percent of what's going

889

00:37:46,069 --> 00:37:44,320

on in our universe no i'm in terms of

890

00:37:47,589 --> 00:37:46,079

energy

891

00:37:48,790 --> 00:37:47,599

that's just a simple

892

00:37:51,030 --> 00:37:48,800

fact

893

00:37:52,630 --> 00:37:51,040

the visible matter

894

00:37:56,950 --> 00:37:52,640

in the universe

895

00:38:00,870 --> 00:37:56,960

and the energy we see coming from stars

896

00:38:02,230 --> 00:38:00,880

uh etc that accounts for five percent of

897

00:38:03,670 --> 00:38:02,240

the universe

898

00:38:06,069 --> 00:38:03,680

95

899

00:38:08,790 --> 00:38:06,079

of the energy and matter

900

00:38:12,870 --> 00:38:08,800

we know is in the universe we don't have

901
00:38:15,190 --> 00:38:12,880
a clue what it is or even how to find it

902
00:38:16,870 --> 00:38:15,200
yeah so does that does that keep you up

903
00:38:18,630 --> 00:38:16,880
at night this mystery of not being able

904
00:38:20,310 --> 00:38:18,640
to

905
00:38:23,349 --> 00:38:20,320
it drives me and everybody else who

906
00:38:25,030 --> 00:38:23,359
cares about this stuff crazy why can't

907
00:38:28,150 --> 00:38:25,040
we figure out

908
00:38:29,510 --> 00:38:28,160
what is causing galaxies to rotate too

909
00:38:31,349 --> 00:38:29,520
fast

910
00:38:32,790 --> 00:38:31,359
why can't we figure it out we can look

911
00:38:34,710 --> 00:38:32,800
at them every night and go out with my

912
00:38:37,030 --> 00:38:34,720
telescope tonight and start taking

913
00:38:38,870 --> 00:38:37,040

pictures and over here i'll be able to

914

00:38:40,630 --> 00:38:38,880

measure the closest ones and see they're

915

00:38:43,430 --> 00:38:40,640

rotating too fast

916

00:38:46,870 --> 00:38:43,440

that the stars way out from the center

917

00:38:49,510 --> 00:38:46,880

are rotating too fast to be to be

918

00:38:51,349 --> 00:38:49,520

claimed by the gravity from the visible

919

00:38:56,470 --> 00:38:51,359

matter

920

00:38:58,870 --> 00:38:56,480

remember gravitation is curvature of

921

00:39:00,870 --> 00:38:58,880

space time caused by both energy and

922

00:39:03,670 --> 00:39:00,880

matter and we can measure it we can

923

00:39:06,630 --> 00:39:03,680

measure the visible energy and matter in

924

00:39:09,670 --> 00:39:06,640

say the andromeda galaxy and

925

00:39:12,870 --> 00:39:09,680

it spins too fast for that to account

926
00:39:15,750 --> 00:39:12,880
for anything so that is how dark matter

927
00:39:18,950 --> 00:39:15,760
came into being and then we noticed that

928
00:39:22,310 --> 00:39:18,960
the universe was expanding at a very

929
00:39:24,069 --> 00:39:22,320
rapid rate and it's expanding so quickly

930
00:39:26,870 --> 00:39:24,079
that pretty soon the far end of the

931
00:39:29,109 --> 00:39:26,880
universe away from us will be moving

932
00:39:31,510 --> 00:39:29,119
away from us faster than the speed of

933
00:39:32,710 --> 00:39:31,520
light and we will never see it again

934
00:39:35,990 --> 00:39:32,720
okay so

935
00:39:39,349 --> 00:39:36,000
uh and the the thing that's causing that

936
00:39:41,510 --> 00:39:39,359
expansion is dark energy

937
00:39:43,430 --> 00:39:41,520
and we just don't know how it works we

938
00:39:46,150 --> 00:39:43,440

really don't know but i mean we have

939

00:39:49,510 --> 00:39:46,160

this big lambda we shove into einstein's

940

00:39:53,589 --> 00:39:49,520

equation that governs the expansion but

941

00:39:56,950 --> 00:39:55,190

it's like imagine when

942

00:39:59,030 --> 00:39:56,960

somebody does figure out

943

00:40:02,150 --> 00:39:59,040

a little bit more about it it's probably

944

00:40:03,910 --> 00:40:02,160

like turning a light switch on

945

00:40:05,829 --> 00:40:03,920

you know oh here figure out

946

00:40:09,190 --> 00:40:05,839

either dark matter or dark energy it's

947

00:40:11,589 --> 00:40:09,200

going to be amazing the fallout of what

948

00:40:13,750 --> 00:40:11,599

we will learn will be amazing i i can't

949

00:40:15,510 --> 00:40:13,760

wait i hope i live to see it

950

00:40:17,430 --> 00:40:15,520

yeah um

951
00:40:20,230 --> 00:40:17,440
go ahead jay

952
00:40:22,550 --> 00:40:20,240
do you think that that points to

953
00:40:24,790 --> 00:40:22,560
that you know there's that classic

954
00:40:26,950 --> 00:40:24,800
you know famous question uh that

955
00:40:29,190 --> 00:40:26,960
happened in the cafeteria i think uh

956
00:40:30,309 --> 00:40:29,200
that led to kind of booting up the fermi

957
00:40:32,790 --> 00:40:30,319
paradox

958
00:40:35,430 --> 00:40:32,800
and it goes like this where are they

959
00:40:36,790 --> 00:40:35,440
yeah you know army arena fermi enrico

960
00:40:37,910 --> 00:40:36,800
fermi said

961
00:40:39,910 --> 00:40:37,920
when

962
00:40:42,230 --> 00:40:39,920
in this conversation in the cafeteria at

963
00:40:44,710 --> 00:40:42,240

los alamos where are they

964

00:40:46,150 --> 00:40:44,720

and people have kept kept looking and

965

00:40:48,710 --> 00:40:46,160

looking and

966

00:40:50,710 --> 00:40:48,720

the the the the uh

967

00:40:52,790 --> 00:40:50,720

initially people kept looking for

968

00:40:54,790 --> 00:40:52,800

prosaic or easy answers

969

00:40:56,870 --> 00:40:54,800

like there are no planets we're the only

970

00:40:58,710 --> 00:40:56,880

the only solar system in the universe

971

00:41:01,910 --> 00:40:58,720

right and of course all that has

972

00:41:03,750 --> 00:41:01,920

completely fallen away and so

973

00:41:06,870 --> 00:41:03,760

we're getting down to the point where

974

00:41:07,589 --> 00:41:06,880

we're without excuses

975

00:41:10,790 --> 00:41:07,599

so

976

00:41:13,190 --> 00:41:10,800

i don't know which to be terrified

977

00:41:17,030 --> 00:41:13,200

of more

978

00:41:19,670 --> 00:41:17,040

that we are the only living beings in

979

00:41:22,150 --> 00:41:19,680

the universe or they're everywhere

980

00:41:24,630 --> 00:41:22,160

and if they're everywhere why are they

981

00:41:26,870 --> 00:41:24,640

censoring us from seeing them

982

00:41:29,430 --> 00:41:26,880

so that's number one or the other thing

983

00:41:31,750 --> 00:41:29,440

even more terrifying if we're the only

984

00:41:35,190 --> 00:41:31,760

conscious beings in the universe we

985

00:41:36,870 --> 00:41:35,200

behave very badly and i hope we don't

986

00:41:39,190 --> 00:41:36,880

end ourselves or the light of

987

00:41:41,910 --> 00:41:39,200

consciousness will go out so either one

988

00:41:43,030 --> 00:41:41,920

of those possibilities scares a crap out

989

00:41:45,670 --> 00:41:43,040

of me

990

00:41:46,790 --> 00:41:45,680

yeah i would i mean i would have to

991

00:41:48,630 --> 00:41:46,800

imagine

992

00:41:50,230 --> 00:41:48,640

there's a filter that we can't see it

993

00:41:52,470 --> 00:41:50,240

right because i mean you can just go to

994

00:41:54,870 --> 00:41:52,480

ultraviolet laser rays that we can't see

995

00:41:56,230 --> 00:41:54,880

we can only see so much so knowing

996

00:41:58,390 --> 00:41:56,240

that's the case

997

00:41:59,349 --> 00:41:58,400

um including the encounters people have

998

00:42:01,030 --> 00:41:59,359

had

999

00:42:02,250 --> 00:42:01,040

um

1000

00:42:04,230 --> 00:42:02,260

i would bet on that one

1001
00:42:06,630 --> 00:42:04,240

[Laughter]

1002
00:42:09,829 --> 00:42:06,640

so you know we've we've put ultraviolet

1003
00:42:12,630 --> 00:42:09,839

x-ray infrared etc telescopes in orbit

1004
00:42:14,710 --> 00:42:12,640

and on tops of mountains and

1005
00:42:16,390 --> 00:42:14,720

uh it would have to be something really

1006
00:42:18,710 --> 00:42:16,400

strange just to keep us from hearing

1007
00:42:20,550 --> 00:42:18,720

i'll get now what do i think might be

1008
00:42:23,829 --> 00:42:20,560

the case here's what i think might be

1009
00:42:26,390 --> 00:42:23,839

the case we are only now learning a lot

1010
00:42:28,829 --> 00:42:26,400

about how to use quantum mechanics to

1011
00:42:29,829 --> 00:42:28,839

form a network so you have

1012
00:42:31,990 --> 00:42:29,839

entanglement and

1013
00:42:34,790 --> 00:42:32,000

teleportation that will allow quantum

1014

00:42:36,870 --> 00:42:34,800

networking and the the problem the the

1015

00:42:40,630 --> 00:42:36,880

issue with quantum networking

1016

00:42:42,630 --> 00:42:40,640

for us to over over here over so

1017

00:42:45,750 --> 00:42:42,640

listen to and

1018

00:42:46,870 --> 00:42:45,760

spy on the the the et

1019

00:42:50,230 --> 00:42:46,880

is

1020

00:42:51,270 --> 00:42:50,240

um you can't do that easily in a quantum

1021

00:42:54,150 --> 00:42:51,280

network

1022

00:42:57,030 --> 00:42:54,160

uh you because you can't eavesdrop on a

1023

00:42:59,349 --> 00:42:57,040

quantum conversation you cannot

1024

00:43:01,829 --> 00:42:59,359

because immediately

1025

00:43:04,790 --> 00:43:01,839

so they will detect it because

1026

00:43:06,630 --> 00:43:04,800

if you reach in and do an observation

1027

00:43:09,109 --> 00:43:06,640

the wave function that's in their

1028

00:43:11,270 --> 00:43:09,119

telephone system collapses and they

1029

00:43:14,230 --> 00:43:11,280

can't communicate anymore i mean the

1030

00:43:16,230 --> 00:43:14,240

very femtosecond you stick your nose in

1031

00:43:18,870 --> 00:43:16,240

their thing breaks and they turn it off

1032

00:43:19,990 --> 00:43:18,880

that would be a way to do censoring but

1033

00:43:22,390 --> 00:43:20,000

i might get we don't have the

1034

00:43:25,030 --> 00:43:22,400

capabilities right now to even find any

1035

00:43:26,870 --> 00:43:25,040

quantum communication system in action

1036

00:43:28,470 --> 00:43:26,880

but as soon as we observe it they'll

1037

00:43:30,790 --> 00:43:28,480

know we're snooping

1038

00:43:32,230 --> 00:43:30,800

yeah

1039

00:43:34,870 --> 00:43:32,240

they probably know we're trying to snoop

1040

00:43:37,990 --> 00:43:37,109

i mean you know i want some evidence

1041

00:43:40,870 --> 00:43:38,000

yeah

1042

00:43:43,430 --> 00:43:40,880

i mean i think this uap task force is

1043

00:43:44,470 --> 00:43:43,440

the office is you know a major first

1044

00:43:45,270 --> 00:43:44,480

step

1045

00:43:47,270 --> 00:43:45,280

yeah

1046

00:43:48,950 --> 00:43:47,280

well so jay asked me another question

1047

00:43:50,790 --> 00:43:48,960

and i'm just going to tell you something

1048

00:43:53,430 --> 00:43:50,800

else keeps me up at night

1049

00:43:55,510 --> 00:43:53,440

it really does the following

1050

00:43:56,309 --> 00:43:55,520

causes me nightmares

1051
00:43:58,630 --> 00:43:56,319
so

1052
00:44:01,190 --> 00:43:58,640
i've worked inside the united states

1053
00:44:02,790 --> 00:44:01,200
government for decades

1054
00:44:05,109 --> 00:44:02,800
and the things that happened in the

1055
00:44:07,990 --> 00:44:05,119
1940s and 50s

1056
00:44:10,550 --> 00:44:08,000
i cannot even begin to understand the

1057
00:44:11,910 --> 00:44:10,560
motivation for the way

1058
00:44:14,069 --> 00:44:11,920
witnesses

1059
00:44:17,109 --> 00:44:14,079
etc were treated

1060
00:44:18,230 --> 00:44:17,119
and i just keep having this nagging

1061
00:44:21,030 --> 00:44:18,240
feeling

1062
00:44:23,829 --> 00:44:21,040
that something is known that is truly

1063
00:44:26,230 --> 00:44:23,839

horrible and i just it just keeps

1064

00:44:28,230 --> 00:44:26,240

nagging at me and i keep looking for

1065

00:44:30,710 --> 00:44:28,240

evidence and so forth that somebody has

1066

00:44:32,309 --> 00:44:30,720

said something that is easily gone and

1067

00:44:33,829 --> 00:44:32,319

checked out to see whether or not what

1068

00:44:36,950 --> 00:44:33,839

they've said is true

1069

00:44:38,069 --> 00:44:36,960

and i just keep hoping that it really

1070

00:44:40,550 --> 00:44:38,079

was

1071

00:44:43,270 --> 00:44:40,560

crazy christians and anti-soviet

1072

00:44:44,910 --> 00:44:43,280

paranoia that kept us from learning what

1073

00:44:49,030 --> 00:44:44,920

happened between the

1074

00:44:51,829 --> 00:44:49,040

1945 and 1960. i mean over the

1075

00:44:54,390 --> 00:44:51,839

overflight of the capital of the united

1076

00:44:56,790 --> 00:44:54,400

states in 1952

1077

00:44:59,270 --> 00:44:56,800

which was captured on video should have

1078

00:45:01,190 --> 00:44:59,280

been a major deal and it's just like

1079

00:45:02,950 --> 00:45:01,200

people don't even remember it because

1080

00:45:07,030 --> 00:45:02,960

it's been squashed

1081

00:45:08,069 --> 00:45:07,040

why is it necessary to squash this stuff

1082

00:45:13,910 --> 00:45:08,079

why

1083

00:45:15,349 --> 00:45:13,920

yeah no i mean i think kind of something

1084

00:45:18,710 --> 00:45:15,359

along the

1085

00:45:20,710 --> 00:45:18,720

you is just

1086

00:45:22,309 --> 00:45:20,720

like i understand that a lot of people

1087

00:45:23,910 --> 00:45:22,319

would say evangelical christians call

1088

00:45:25,750 --> 00:45:23,920

them demons and all all that kind of

1089

00:45:27,430 --> 00:45:25,760

stuff within the government but i just

1090

00:45:28,550 --> 00:45:27,440

also think like

1091

00:45:30,069 --> 00:45:28,560

you know just because they're

1092

00:45:32,390 --> 00:45:30,079

evangelical christian doesn't mean

1093

00:45:33,589 --> 00:45:32,400

they're just stupid right

1094

00:45:35,589 --> 00:45:33,599

so like

1095

00:45:37,030 --> 00:45:35,599

like why are they

1096

00:45:38,870 --> 00:45:37,040

you know they have to have some sort of

1097

00:45:41,270 --> 00:45:38,880

reason for thinking that versus just

1098

00:45:44,069 --> 00:45:41,280

like if it's not god it's a devil kind

1099

00:45:46,230 --> 00:45:44,079

of mentality you know i this is this is

1100

00:45:48,150 --> 00:45:46,240

why it keeps me awake at night what do

1101

00:45:49,349 --> 00:45:48,160

they know that they're trying to keep

1102

00:45:51,910 --> 00:45:49,359

from us

1103

00:45:53,190 --> 00:45:51,920

yeah and then i find documents

1104

00:45:57,510 --> 00:45:53,200

and

1105

00:45:59,030 --> 00:45:57,520

actually found them months apart

1106

00:46:02,309 --> 00:45:59,040

with little

1107

00:46:05,510 --> 00:46:02,319

like demon looking things drawn on them

1108

00:46:08,710 --> 00:46:05,520

which is pretty creepy um so i don't

1109

00:46:10,390 --> 00:46:08,720

know uh what that means but

1110

00:46:11,670 --> 00:46:10,400

you know hopefully if there's something

1111

00:46:12,829 --> 00:46:11,680

that bad there's something that could

1112

00:46:15,670 --> 00:46:12,839

too

1113

00:46:18,710 --> 00:46:15,680

so yep now

1114

00:46:20,069 --> 00:46:18,720

bob along those lines um i i remember

1115

00:46:21,510 --> 00:46:20,079

the the

1116

00:46:24,150 --> 00:46:21,520

back in the day

1117

00:46:26,829 --> 00:46:24,160

you started out kind of in in the navy

1118

00:46:27,750 --> 00:46:26,839

direction and you spent some time

1119

00:46:30,069 --> 00:46:27,760

underwater longer

1120

00:46:31,990 --> 00:46:30,079

i'm underwater and on the water i love

1121

00:46:34,950 --> 00:46:32,000

the navy

1122

00:46:35,750 --> 00:46:34,960

yeah and uh you know i i think that

1123

00:46:41,670 --> 00:46:35,760

there's

1124

00:46:43,829 --> 00:46:41,680

um a lot of speculation about say the

1125

00:46:45,990 --> 00:46:43,839

catalina islands you know catalina

1126

00:46:48,550 --> 00:46:46,000

island um yeah and

1127

00:46:50,950 --> 00:46:48,560

a lot of uh speculation about trans

1128

00:46:53,270 --> 00:46:50,960

medium craft and things like that

1129

00:46:55,750 --> 00:46:53,280

is there anything you know that without

1130

00:46:57,990 --> 00:46:55,760

breaking any kind of code of secrecy any

1131

00:46:58,950 --> 00:46:58,000

kind of ndas anything that you might

1132

00:47:00,870 --> 00:46:58,960

might

1133

00:47:03,349 --> 00:47:00,880

be in a position to know is there

1134

00:47:05,910 --> 00:47:03,359

anything that you can say to us about

1135

00:47:07,270 --> 00:47:05,920

what you may have

1136

00:47:08,390 --> 00:47:07,280

stumbled into

1137

00:47:11,030 --> 00:47:08,400

in terms of

1138

00:47:12,790 --> 00:47:11,040

the possibilities of what happens

1139

00:47:15,510 --> 00:47:12,800

under the water or with these kinds of

1140

00:47:17,430 --> 00:47:15,520

trans medium craft i saw a photograph

1141

00:47:18,710 --> 00:47:17,440

that was of a triangle that came out of

1142

00:47:21,270 --> 00:47:18,720

the water

1143

00:47:22,950 --> 00:47:21,280

okay that was a single frame from a

1144

00:47:26,390 --> 00:47:22,960

video that was taken

1145

00:47:29,030 --> 00:47:26,400

i don't know what vessel it was i don't

1146

00:47:31,990 --> 00:47:29,040

know who the videographer was

1147

00:47:33,829 --> 00:47:32,000

i only know that i saw it in a place

1148

00:47:36,230 --> 00:47:33,839

that you know it was inside the

1149

00:47:39,270 --> 00:47:36,240

government i don't know enough details

1150

00:47:41,190 --> 00:47:39,280

to even comment but i really hope that

1151
00:47:42,230 --> 00:47:41,200
photograph comes out someday or the

1152
00:47:44,390 --> 00:47:42,240
video

1153
00:47:47,270 --> 00:47:44,400
because apparently it was pretty

1154
00:47:49,670 --> 00:47:47,280
startling and no look this was when

1155
00:47:52,470 --> 00:47:49,680
when lots of stuff was being moved

1156
00:47:55,109 --> 00:47:52,480
around government so that multiple

1157
00:47:56,870 --> 00:47:55,119
agencies could weigh in on a position

1158
00:47:58,790 --> 00:47:56,880
statement and what things should be

1159
00:48:01,829 --> 00:47:58,800
released and should not be released and

1160
00:48:05,109 --> 00:48:01,839
this was before the mandate for the last

1161
00:48:07,910 --> 00:48:05,119
july's report june's report by the dni

1162
00:48:09,750 --> 00:48:07,920
okay so and that was before

1163
00:48:11,109 --> 00:48:09,760

that was well before

1164

00:48:16,950 --> 00:48:11,119

i

1165

00:48:19,270 --> 00:48:16,960

of

1166

00:48:21,430 --> 00:48:19,280

me deciding to look into all this when i

1167

00:48:23,750 --> 00:48:21,440

heard these rumors about to the stars

1168

00:48:25,750 --> 00:48:23,760

academy and videos and nimitz and all

1169

00:48:29,750 --> 00:48:25,760

this other stuff so

1170

00:48:32,390 --> 00:48:29,760

i saw it i i left government

1171

00:48:36,630 --> 00:48:32,400

i've seen some other things which are

1172

00:48:39,430 --> 00:48:36,640

hindsight very very interesting i i wish

1173

00:48:40,790 --> 00:48:39,440

i could tell you definitively that i

1174

00:48:42,870 --> 00:48:40,800

know this is

1175

00:48:46,069 --> 00:48:42,880

this is all real and coming out i'm just

1176
00:48:48,630 --> 00:48:46,079
telling you i saw enough to convince me

1177
00:48:51,349 --> 00:48:48,640
that i was too curious not to look into

1178
00:48:55,109 --> 00:48:51,359
it and then i left government and i i

1179
00:48:57,750 --> 00:48:55,119
never never was i was never an insider i

1180
00:48:59,910 --> 00:48:57,760
never got to see core secrets i wasn't

1181
00:49:03,030 --> 00:48:59,920
in an office that would allow me to know

1182
00:49:06,150 --> 00:49:03,040
things and when i was on a submarine or

1183
00:49:08,790 --> 00:49:06,160
on a surface vessel i never saw anything

1184
00:49:11,109 --> 00:49:08,800
or heard anything

1185
00:49:12,470 --> 00:49:11,119
did you serve in the navy i did not i

1186
00:49:15,030 --> 00:49:12,480
was a civilian

1187
00:49:16,390 --> 00:49:15,040
writer doing work for the us

1188
00:49:17,750 --> 00:49:16,400

intelligence community

1189

00:49:21,030 --> 00:49:17,760

gotcha

1190

00:49:23,750 --> 00:49:21,040

uh great grandpa was uh a cook in the in

1191

00:49:24,950 --> 00:49:23,760

the navy in world war ii

1192

00:49:27,510 --> 00:49:24,960

um

1193

00:49:30,069 --> 00:49:27,520

yeah the uso thing is pretty interesting

1194

00:49:32,309 --> 00:49:30,079

and um you know the possibility that you

1195

00:49:35,510 --> 00:49:32,319

know a lot of people hypothesize that

1196

00:49:36,950 --> 00:49:35,520

these things may reside

1197

00:49:38,870 --> 00:49:36,960

deep in the ocean

1198

00:49:41,349 --> 00:49:38,880

um

1199

00:49:43,030 --> 00:49:41,359

that which would kind of make sense

1200

00:49:46,470 --> 00:49:43,040

sometimes if you correlate sightings

1201
00:49:49,030 --> 00:49:46,480
with geomagnetic anomalies i guess but

1202
00:49:50,309 --> 00:49:49,040
so i mean i think that there's lots of

1203
00:49:56,630 --> 00:49:50,319
evidence

1204
00:49:58,710 --> 00:49:56,640
going off just north of catalina from

1205
00:50:01,270 --> 00:49:58,720
the nimitz to other people going out

1206
00:50:03,270 --> 00:50:01,280
there uapx going out there i think

1207
00:50:05,109 --> 00:50:03,280
they're about to dump a bunch of data

1208
00:50:06,549 --> 00:50:05,119
that shows something out there was real

1209
00:50:08,470 --> 00:50:06,559
we've all heard

1210
00:50:11,109 --> 00:50:08,480
rumors from people that don't know how

1211
00:50:14,390 --> 00:50:11,119
to keep their mouth shut about the

1212
00:50:16,630 --> 00:50:14,400
sending of whale songs causing uaps to

1213
00:50:19,829 --> 00:50:16,640

come out of the water so everybody's

1214

00:50:21,990 --> 00:50:19,839

heard those rumors but uap x is

1215

00:50:25,589 --> 00:50:22,000

apparently going to release data that

1216

00:50:30,150 --> 00:50:25,599

they've done some analysis on uh with uh

1217

00:50:32,630 --> 00:50:30,160

flir uh video and other things showing

1218

00:50:35,109 --> 00:50:32,640

that their whale song transduced into

1219

00:50:37,829 --> 00:50:35,119

the ocean with a loud speaker

1220

00:50:40,150 --> 00:50:37,839

underwater or whatever what caused

1221

00:50:43,510 --> 00:50:40,160

caused a response by things that look

1222

00:50:46,069 --> 00:50:43,520

like tic tacs so if that is all true and

1223

00:50:48,150 --> 00:50:46,079

they document all of that and with loads

1224

00:50:51,349 --> 00:50:48,160

of metadata that allows independent

1225

00:50:53,589 --> 00:50:51,359

scientists to go and investigate wow i

1226
00:50:56,230 --> 00:50:53,599
have no idea why there's been no major

1227
00:51:01,910 --> 00:50:56,240
scientific expedition out there going

1228
00:51:05,829 --> 00:51:03,910
that would be just incredible if it

1229
00:51:07,910 --> 00:51:05,839
wound up being something i don't want to

1230
00:51:09,920 --> 00:51:07,920
say simple but that kind of simple you

1231
00:51:12,309 --> 00:51:09,930
know just playing this song

1232
00:51:15,589 --> 00:51:12,319
[Laughter]

1233
00:51:18,230 --> 00:51:15,599
right and i've heard from many people

1234
00:51:19,910 --> 00:51:18,240
music will be the way somehow or another

1235
00:51:22,069 --> 00:51:19,920
so that'd be interesting the old steven

1236
00:51:24,470 --> 00:51:22,079
spielberg strategy right close

1237
00:51:25,349 --> 00:51:24,480
encounters yeah you know i love that

1238
00:51:26,790 --> 00:51:25,359

yeah

1239

00:51:28,390 --> 00:51:26,800

well now we gotta be careful we'll have

1240

00:51:31,750 --> 00:51:28,400

a bunch of people playing whale songs

1241

00:51:35,270 --> 00:51:32,630

now

1242

00:51:38,069 --> 00:51:35,280

sean you you stumbled uh you stumbled

1243

00:51:40,870 --> 00:51:38,079

into into some documents i think it was

1244

00:51:41,910 --> 00:51:40,880

just yesterday um that kind of pointed

1245

00:51:45,990 --> 00:51:41,920

that maybe

1246

00:51:47,910 --> 00:51:46,000

more

1247

00:51:49,829 --> 00:51:47,920

you know he was kind of a public skeptic

1248

00:51:52,069 --> 00:51:49,839

but it looked like maybe he was he was

1249

00:51:53,910 --> 00:51:52,079

privately looking into things on a

1250

00:51:55,670 --> 00:51:53,920

deeper level

1251

00:51:58,549 --> 00:51:55,680

yeah did you remember

1252

00:52:00,790 --> 00:51:58,559

yeah from what i found it was pre condon

1253

00:52:02,150 --> 00:52:00,800

report i believe and they

1254

00:52:05,349 --> 00:52:02,160

were looking at whether they should

1255

00:52:08,309 --> 00:52:05,359

contract um particular individuals or

1256

00:52:10,150 --> 00:52:08,319

universities to look at a study and you

1257

00:52:12,549 --> 00:52:10,160

know supposedly take it really seriously

1258

00:52:14,549 --> 00:52:12,559

with the best that we had to offer

1259

00:52:16,309 --> 00:52:14,559

um and what they wound up doing was

1260

00:52:19,190 --> 00:52:16,319

grabbing these

1261

00:52:21,750 --> 00:52:19,200

a few people which included a general

1262

00:52:22,950 --> 00:52:21,760

electric uh rain corporation people from

1263

00:52:25,670 --> 00:52:22,960

that company

1264

00:52:27,910 --> 00:52:25,680

um and others or lansky i want to say

1265

00:52:29,990 --> 00:52:27,920

jesse orlanski or something

1266

00:52:31,510 --> 00:52:30,000

to form like a

1267

00:52:34,390 --> 00:52:31,520

ad hoc committee

1268

00:52:37,510 --> 00:52:34,400

um to review the blue book work

1269

00:52:39,190 --> 00:52:37,520

basically and review all the flying

1270

00:52:42,069 --> 00:52:39,200

saucer stuff

1271

00:52:47,030 --> 00:52:45,349

shortly after that it turned into the

1272

00:52:49,589 --> 00:52:47,040

you know the content situation in the

1273

00:52:52,309 --> 00:52:49,599

university of colorado studying it

1274

00:52:54,309 --> 00:52:52,319

um if if i have that correctly but yeah

1275

00:52:55,990 --> 00:52:54,319

so when i saw that i was

1276
00:52:58,710 --> 00:52:56,000
you know only been doing this for about

1277
00:53:01,109 --> 00:52:58,720
six months or so i don't really know if

1278
00:53:03,990 --> 00:53:01,119
um people know a lot of stuff or not

1279
00:53:05,030 --> 00:53:04,000
that i find you know so i had asked you

1280
00:53:07,829 --> 00:53:05,040
i was like

1281
00:53:10,950 --> 00:53:07,839
do you know if carl sagan was officially

1282
00:53:12,950 --> 00:53:10,960
studying ufos or not for the government

1283
00:53:14,870 --> 00:53:12,960
and um you know

1284
00:53:17,109 --> 00:53:14,880
figured it was still a rumor so i was

1285
00:53:18,470 --> 00:53:17,119
like wow yeah so i wanted to share that

1286
00:53:19,510 --> 00:53:18,480
but and then

1287
00:53:22,390 --> 00:53:19,520
um

1288
00:53:24,790 --> 00:53:22,400

mr bob here shared a pretty cool story

1289

00:53:26,470 --> 00:53:24,800

on twitter about uh briefing the guy i

1290

00:53:29,190 --> 00:53:26,480

think i think what we want to do is give

1291

00:53:31,510 --> 00:53:29,200

the context and then let me tell you

1292

00:53:32,470 --> 00:53:31,520

because it had nothing to do

1293

00:53:34,630 --> 00:53:32,480

with

1294

00:53:37,829 --> 00:53:34,640

ufos per se

1295

00:53:38,790 --> 00:53:37,839

but it had everything to do with seti

1296

00:53:41,829 --> 00:53:38,800

okay

1297

00:53:43,670 --> 00:53:41,839

so in the second term i believe of the

1298

00:53:46,870 --> 00:53:43,680

bill clinton presidency

1299

00:53:49,670 --> 00:53:46,880

he gave put out an executive order that

1300

00:53:51,910 --> 00:53:49,680

said things that had been classified

1301
00:53:54,870 --> 00:53:51,920
were about to be unclassified and the

1302
00:53:57,510 --> 00:53:54,880
government was to attempt to do transfer

1303
00:53:58,470 --> 00:53:57,520
of technology to anybody that could use

1304
00:53:59,829 --> 00:53:58,480
it

1305
00:54:02,230 --> 00:53:59,839
okay so

1306
00:54:04,069 --> 00:54:02,240
i got this call one day from k

1307
00:54:05,990 --> 00:54:04,079
speyerman's office

1308
00:54:08,069 --> 00:54:06,000
when he was the chief scientist at the

1309
00:54:11,670 --> 00:54:08,079
national security agency

1310
00:54:13,750 --> 00:54:11,680
and i was told to be prepared to tell

1311
00:54:16,069 --> 00:54:13,760
them about two things

1312
00:54:18,230 --> 00:54:16,079
one was work to one was work i had done

1313
00:54:20,710 --> 00:54:18,240

for the government and one was work i

1314

00:54:22,870 --> 00:54:20,720

had done because i wanted to do some

1315

00:54:25,670 --> 00:54:22,880

science work and

1316

00:54:27,270 --> 00:54:25,680

both of them are interesting okay so

1317

00:54:29,990 --> 00:54:27,280

i i

1318

00:54:31,750 --> 00:54:30,000

get prepared and i go down to k

1319

00:54:35,589 --> 00:54:31,760

spiermann's office

1320

00:54:37,829 --> 00:54:35,599

and i walk into a room full of city

1321

00:54:39,510 --> 00:54:37,839

people

1322

00:54:42,950 --> 00:54:39,520

carl sagan

1323

00:54:45,670 --> 00:54:42,960

uh jill tarter a bunch of others okay uh

1324

00:54:48,230 --> 00:54:45,680

barney uh barney oliver wasn't there but

1325

00:54:50,150 --> 00:54:48,240

uh david horowitz was there and so forth

1326
00:54:51,750 --> 00:54:50,160
and so let me that's enough name

1327
00:54:53,349 --> 00:54:51,760
dropping so let's let me talk about

1328
00:54:54,470 --> 00:54:53,359
what's relevant

1329
00:54:55,829 --> 00:54:54,480
i

1330
00:54:57,549 --> 00:54:55,839
had

1331
00:54:59,510 --> 00:54:57,559
secretly

1332
00:55:01,910 --> 00:54:59,520
demodulated

1333
00:55:05,270 --> 00:55:01,920
four transmissions

1334
00:55:08,950 --> 00:55:05,280
from the russian balloon probe

1335
00:55:10,710 --> 00:55:08,960
which fell into the atmosphere of venus

1336
00:55:13,750 --> 00:55:10,720
as they flew by

1337
00:55:16,230 --> 00:55:13,760
on their way to halley's comet

1338
00:55:18,390 --> 00:55:16,240

now the way the balloon probe worked is

1339

00:55:21,670 --> 00:55:18,400

it was a helium-filled balloon

1340

00:55:23,910 --> 00:55:21,680

and hanging down on a long tether was a

1341

00:55:25,430 --> 00:55:23,920

gondola with all the scientific

1342

00:55:28,309 --> 00:55:25,440

instruments in it

1343

00:55:31,270 --> 00:55:28,319

the way it worked is it was trust to

1344

00:55:33,430 --> 00:55:31,280

maintain itself up in the cloud layer of

1345

00:55:36,470 --> 00:55:33,440

the atmosphere of venus so that we could

1346

00:55:38,950 --> 00:55:36,480

get data about the venusian atmosphere

1347

00:55:41,190 --> 00:55:38,960

so i mean it's absolutely brilliant and

1348

00:55:42,069 --> 00:55:41,200

the french participate and so forth

1349

00:55:43,750 --> 00:55:42,079

but

1350

00:55:45,829 --> 00:55:43,760

there was

1351

00:55:46,829 --> 00:55:45,839

an honest mistake made

1352

00:55:57,270 --> 00:55:46,839

in

1353

00:55:59,589 --> 00:55:57,280

the way it worked was temperature so if

1354

00:56:02,549 --> 00:55:59,599

it got too hot it was too low

1355

00:56:04,710 --> 00:56:02,559

go up if it got too cold it was too high

1356

00:56:07,430 --> 00:56:04,720

go down so they sat there and they did

1357

00:56:09,750 --> 00:56:07,440

this in the atmosphere while it lasted

1358

00:56:11,750 --> 00:56:09,760

while the batteries lasted the first

1359

00:56:14,309 --> 00:56:11,760

time they flew in

1360

00:56:17,990 --> 00:56:14,319

the balloon expanded the gondola dropped

1361

00:56:20,710 --> 00:56:18,000

down but it went much too deep before

1362

00:56:23,510 --> 00:56:20,720

the thermometer got hot enough

1363

00:56:25,589 --> 00:56:23,520

and so it got down and i mean it came

1364

00:56:29,109 --> 00:56:25,599

that close to getting killed the

1365

00:56:31,829 --> 00:56:29,119

gondolas were swinging like crazy like a

1366

00:56:34,470 --> 00:56:31,839

huge pendulum and the winds were

1367

00:56:36,789 --> 00:56:34,480

hundreds of miles an hour and

1368

00:56:38,950 --> 00:56:36,799

but finally they got about it so once it

1369

00:56:40,710 --> 00:56:38,960

got up in and out of all that craziness

1370

00:56:42,870 --> 00:56:40,720

they got all those transmissions and

1371

00:56:45,589 --> 00:56:42,880

they knew the thing worked but what they

1372

00:56:47,910 --> 00:56:45,599

really wanted was those transmissions

1373

00:56:49,349 --> 00:56:47,920

when it went so deep they they figured

1374

00:56:50,870 --> 00:56:49,359

they would never be able to survive

1375

00:56:53,990 --> 00:56:50,880

there so they didn't even try to go

1376
00:56:57,430 --> 00:56:54,000
there they got there by happenstance

1377
00:57:00,390 --> 00:56:57,440
so i had graduated with

1378
00:57:01,589 --> 00:57:00,400
my phd in a technique called non-linear

1379
00:57:05,190 --> 00:57:01,599
filtering

1380
00:57:08,069 --> 00:57:05,200
and the kind of carrier tracking

1381
00:57:10,950 --> 00:57:08,079
that needed to be done on the signal

1382
00:57:14,630 --> 00:57:10,960
from that balloon probe needed my phd

1383
00:57:17,430 --> 00:57:14,640
work so i applied the phd work

1384
00:57:20,230 --> 00:57:17,440
on cray supercomputers

1385
00:57:22,470 --> 00:57:20,240
owned by the national security agency

1386
00:57:23,270 --> 00:57:22,480
and demodulated the signal

1387
00:57:25,270 --> 00:57:23,280
so

1388
00:57:27,670 --> 00:57:25,280

we told the people

1389

00:57:29,589 --> 00:57:27,680

at the jet propulsion laboratory

1390

00:57:31,910 --> 00:57:29,599

that we had managed to demodulate the

1391

00:57:34,150 --> 00:57:31,920

signals i had the partner she did the

1392

00:57:36,710 --> 00:57:34,160

the the ford air correction decoding and

1393

00:57:39,190 --> 00:57:36,720

i did the demodulation of the signal and

1394

00:57:41,829 --> 00:57:39,200

we knew we knew instantly we had

1395

00:57:43,589 --> 00:57:41,839

succeeded okay so i mean the signal was

1396

00:57:45,510 --> 00:57:43,599

just all over the place and all of a

1397

00:57:47,349 --> 00:57:45,520

sudden we had it in a straight line and

1398

00:57:49,270 --> 00:57:47,359

the data signals were there and we could

1399

00:57:51,829 --> 00:57:49,280

find the data okay so

1400

00:57:54,230 --> 00:57:51,839

we we so we were told

1401

00:57:57,030 --> 00:57:54,240

okay here's what we want you to do this

1402

00:57:59,990 --> 00:57:57,040

story's so great we want you to go

1403

00:58:02,150 --> 00:58:00,000

downtown and buy a ream of paper and

1404

00:58:04,470 --> 00:58:02,160

with glove hands we want you to pull a

1405

00:58:06,950 --> 00:58:04,480

paper piece of paper from the middle of

1406

00:58:09,109 --> 00:58:06,960

the stack and we want you with hand and

1407

00:58:11,670 --> 00:58:09,119

pencil to write out the zeros and the

1408

00:58:14,390 --> 00:58:11,680

ones from the data frames that you have

1409

00:58:16,789 --> 00:58:14,400

demodulated put the data put the paper

1410

00:58:18,950 --> 00:58:16,799

with gloved hands inside of a baggie

1411

00:58:20,950 --> 00:58:18,960

with gloved hands and transport it to

1412

00:58:22,549 --> 00:58:20,960

the west coast to give it to her

1413

00:58:24,309 --> 00:58:22,559

why are they going through all this well

1414

00:58:26,789 --> 00:58:24,319

first of all they don't want anybody no

1415

00:58:28,150 --> 00:58:26,799

nsa people had demodulated the signal

1416

00:58:31,190 --> 00:58:28,160

that's number one

1417

00:58:33,030 --> 00:58:31,200

and we had lied to the soviet government

1418

00:58:34,470 --> 00:58:33,040

we told them they could use our deep

1419

00:58:37,190 --> 00:58:34,480

space network

1420

00:58:38,150 --> 00:58:37,200

but we would not record the signal and

1421

00:58:40,390 --> 00:58:38,160

we did

1422

00:58:42,390 --> 00:58:40,400

[Laughter]

1423

00:58:44,870 --> 00:58:42,400

and then so i got to demodulate these

1424

00:58:46,870 --> 00:58:44,880

signals and they got these bursts so

1425

00:58:48,630 --> 00:58:46,880

i was told to come down to k sperman's

1426

00:58:51,349 --> 00:58:48,640

office and tell a story

1427

00:58:54,630 --> 00:58:51,359

carl sagan is a volcanologist he's a

1428

00:58:56,150 --> 00:58:54,640

venusian scientist planetary scientist

1429

00:58:57,910 --> 00:58:56,160

so i told him the story about

1430

00:59:00,789 --> 00:58:57,920

demodulating the data from the balloon

1431

00:59:03,030 --> 00:59:00,799

probes and he really got went nuts i

1432

00:59:04,789 --> 00:59:03,040

mean he was just like so excited to find

1433

00:59:07,670 --> 00:59:04,799

out how that was done and that it had

1434

00:59:10,150 --> 00:59:07,680

been done and that nsa was involved and

1435

00:59:12,950 --> 00:59:10,160

so i got to interact with him a bit and

1436

00:59:14,390 --> 00:59:12,960

i noticed something that his people who

1437

00:59:15,910 --> 00:59:14,400

came with him

1438

00:59:19,510 --> 00:59:15,920

wouldn't notice

1439

00:59:23,270 --> 00:59:19,520

and i noticed because he and i had the

1440

00:59:26,069 --> 00:59:23,280

same kind of identification badge on

1441

00:59:28,710 --> 00:59:26,079

and the identification badge was green

1442

00:59:32,870 --> 00:59:28,720

border with our picture and our name on

1443

00:59:35,990 --> 00:59:32,880

it that means several things carl did

1444

00:59:38,789 --> 00:59:36,000

not have a casual relationship

1445

00:59:40,870 --> 00:59:38,799

you got to have an ongoing relationship

1446

00:59:43,750 --> 00:59:40,880

to get one of those badges

1447

00:59:44,950 --> 00:59:43,760

and the second thing is he had a ts sci

1448

00:59:47,270 --> 00:59:44,960

clearance

1449

00:59:49,589 --> 00:59:47,280

and that meant he was cleared to know he

1450

00:59:51,910 --> 00:59:49,599

may not know but he was cleared to be

1451
00:59:53,510 --> 00:59:51,920
made known if he had found if they found

1452
00:59:56,549 --> 00:59:53,520
he had a need to know

1453
00:59:58,870 --> 00:59:56,559
really highly classified stuff so no

1454
01:00:01,750 --> 00:59:58,880
classified material was discussed in

1455
01:00:02,549 --> 01:00:01,760
this meeting it was me as me doing this

1456
01:00:04,549 --> 01:00:02,559
so

1457
01:00:06,789 --> 01:00:04,559
at the end of this we all go around well

1458
01:00:08,630 --> 01:00:06,799
i tell about another thing

1459
01:00:12,390 --> 01:00:08,640
it's all about working on

1460
01:00:15,270 --> 01:00:12,400
uh a optical instrument that you could

1461
01:00:17,349 --> 01:00:15,280
do a spectrum with and this optical

1462
01:00:20,069 --> 01:00:17,359
instrument would allow them to for the

1463
01:00:22,309 --> 01:00:20,079

first time ever hook it to a telescope

1464

01:00:24,549 --> 01:00:22,319

and find pulses being used for

1465

01:00:25,990 --> 01:00:24,559

communications from stars and we wanted

1466

01:00:28,230 --> 01:00:26,000

to offer that to them all right so

1467

01:00:30,069 --> 01:00:28,240

anyway i told them about the the venus

1468

01:00:33,270 --> 01:00:30,079

vega balloon probe and the the

1469

01:00:36,230 --> 01:00:33,280

demodulator and the pulses and at the

1470

01:00:37,109 --> 01:00:36,240

end i'll never forget this as long as i

1471

01:00:39,109 --> 01:00:37,119

live

1472

01:00:41,190 --> 01:00:39,119

horowitz had come from harvard's

1473

01:00:43,910 --> 01:00:41,200

smithsonian observatory

1474

01:00:45,589 --> 01:00:43,920

and he says we're getting near the end

1475

01:00:49,349 --> 01:00:45,599

and we're getting to these moments of

1476
01:00:51,270 --> 01:00:49,359
pregnant pauses and harmless says okay

1477
01:00:53,510 --> 01:00:51,280
look i'll say it because apparently no

1478
01:00:55,829 --> 01:00:53,520
one else was when you called us down

1479
01:00:58,710 --> 01:00:55,839
here we really hoped that you were going

1480
01:00:59,850 --> 01:00:58,720
to tell us about maybe even show us the

1481
01:01:01,430 --> 01:00:59,860
x-files

1482
01:01:03,510 --> 01:01:01,440
[Laughter]

1483
01:01:06,789 --> 01:01:03,520
wow

1484
01:01:09,349 --> 01:01:06,799
i tell you what i i i almost fell out of

1485
01:01:11,990 --> 01:01:09,359
my chair laughing it was so funny but

1486
01:01:15,190 --> 01:01:12,000
anyway that's my story and how i saw

1487
01:01:17,270 --> 01:01:15,200
carl sagan with a badge why he had it

1488
01:01:21,349 --> 01:01:17,280

what he did with it

1489

01:01:23,430 --> 01:01:21,359

zero knowledge but the fact of it is

1490

01:01:25,030 --> 01:01:23,440

well in those paper in the paperwork it

1491

01:01:28,470 --> 01:01:25,040

would it would lead me to believe that

1492

01:01:30,870 --> 01:01:28,480

he was contracted to do that so maybe

1493

01:01:32,390 --> 01:01:30,880

you know maybe a relationship

1494

01:01:34,230 --> 01:01:32,400

of the united states are some of the

1495

01:01:37,510 --> 01:01:34,240

most closely held secrets so you'd have

1496

01:01:40,069 --> 01:01:37,520

to have tssi to know enough about the

1497

01:01:42,069 --> 01:01:40,079

sensors to for him to say what what was

1498

01:01:44,470 --> 01:01:42,079

the deal when you know the actual

1499

01:01:47,349 --> 01:01:44,480

nitty-gritty details and see the actual

1500

01:01:49,829 --> 01:01:47,359

output these sensors you require beyond

1501

01:01:51,829 --> 01:01:49,839

top secret to get access to it

1502

01:01:53,829 --> 01:01:51,839

we have a couple more questions for you

1503

01:01:57,430 --> 01:01:53,839

do you have time i have all the time you

1504

01:02:00,789 --> 01:01:57,440

want okay uh one is a super chat i don't

1505

01:02:01,670 --> 01:02:00,799

usually uh get those so

1506

01:02:04,549 --> 01:02:01,680

i'm

1507

01:02:08,630 --> 01:02:04,559

asking it way out of uh time here but

1508

01:02:09,589 --> 01:02:08,640

he the mark brady wanted to ask you

1509

01:02:12,870 --> 01:02:09,599

um

1510

01:02:16,230 --> 01:02:12,880

what are your thoughts on john ramirez

1511

01:02:19,670 --> 01:02:16,240

so i i call some buddies and i says john

1512

01:02:21,270 --> 01:02:19,680

ramirez who he says he is and he retired

1513

01:02:23,270 --> 01:02:21,280

when he said he retired he had the

1514

01:02:25,349 --> 01:02:23,280

clearances he said he had he worked in

1515

01:02:28,150 --> 01:02:25,359

the dni and the cia

1516

01:02:30,870 --> 01:02:28,160

what else he's talking about in terms of

1517

01:02:33,190 --> 01:02:30,880

his own personal experiences why he's

1518

01:02:35,190 --> 01:02:33,200

doing why he is an experimenter and why

1519

01:02:37,910 --> 01:02:35,200

he's doing this i don't have access to

1520

01:02:39,510 --> 01:02:37,920

that and i never worked with john uh so

1521

01:02:40,870 --> 01:02:39,520

it's not that big community but it's big

1522

01:02:43,589 --> 01:02:40,880

enough that there's lots of people you

1523

01:02:45,190 --> 01:02:43,599

don't know but what i can say is he was

1524

01:02:48,710 --> 01:02:45,200

a cia

1525

01:02:51,109 --> 01:02:48,720

officer and he worked in dni's office

1526

01:02:54,230 --> 01:02:51,119

so uh that means he's post

1527

01:02:57,990 --> 01:02:54,240

george uh george w bush because that's

1528

01:02:59,829 --> 01:02:58,000

when dni came into being and uh

1529

01:03:02,390 --> 01:02:59,839

he's you know he he

1530

01:03:04,549 --> 01:03:02,400

i the the thing that people real the

1531

01:03:06,710 --> 01:03:04,559

thing to pay attention to is we can go

1532

01:03:09,349 --> 01:03:06,720

out and find lots of experiences i can

1533

01:03:11,270 --> 01:03:09,359

call up melinda leslie anytime i want to

1534

01:03:14,390 --> 01:03:11,280

and talk about all sorts of experiences

1535

01:03:17,029 --> 01:03:14,400

or dave scott okay or or samantha moet

1536

01:03:19,190 --> 01:03:17,039

okay but the experiences are interesting

1537

01:03:21,349 --> 01:03:19,200

and they give you an explanation of why

1538

01:03:24,789 --> 01:03:21,359

he's doing this the thing that he is

1539

01:03:26,150 --> 01:03:24,799

telling everyone is how the government

1540

01:03:30,230 --> 01:03:26,160

works

1541

01:03:32,870 --> 01:03:30,240

why people are targeting their i

1542

01:03:35,349 --> 01:03:32,880

to the wrong offices

1543

01:03:36,630 --> 01:03:35,359

i mean he's just amazing so he is he's

1544

01:03:38,950 --> 01:03:36,640

telling people

1545

01:03:40,630 --> 01:03:38,960

people have utterly neglected like for

1546

01:03:43,029 --> 01:03:40,640

example

1547

01:03:46,470 --> 01:03:43,039

people have uttered and neglected

1548

01:03:47,910 --> 01:03:46,480

in dia they've always gone after the cia

1549

01:03:50,710 --> 01:03:47,920

like it was the holy grail for

1550

01:03:53,029 --> 01:03:50,720

everything and they don't understand the

1551

01:03:55,910 --> 01:03:53,039

division of labor

1552

01:03:58,230 --> 01:03:55,920

that is the united states government and

1553

01:04:00,549 --> 01:03:58,240

each one has its own collection of

1554

01:04:03,029 --> 01:04:00,559

experts and those collection of experts

1555

01:04:06,069 --> 01:04:03,039

are in the construction

1556

01:04:06,950 --> 01:04:06,079

and analysis of the sensor data they

1557

01:04:07,750 --> 01:04:06,960

need

1558

01:04:12,789 --> 01:04:07,760

the

1559

01:04:14,789 --> 01:04:12,799

multi-spectral intelligence

1560

01:04:17,430 --> 01:04:14,799

and so forth and

1561

01:04:19,829 --> 01:04:17,440

that's all sorts of things that are in

1562

01:04:22,630 --> 01:04:19,839

the sensors i propose we build

1563

01:04:24,470 --> 01:04:22,640

and that's all done by dia

1564

01:04:27,430 --> 01:04:24,480

don't bother the cia about they might

1565

01:04:29,670 --> 01:04:27,440

use it but the dia runs that stuff i've

1566

01:04:32,309 --> 01:04:29,680

learned a lot from him but uh most

1567

01:04:33,270 --> 01:04:32,319

especially about satellites

1568

01:04:35,109 --> 01:04:33,280

like

1569

01:04:38,710 --> 01:04:35,119

the the one that supposedly picked up

1570

01:04:44,630 --> 01:04:38,720

orbs i figured was a kh-11 i think block

1571

01:04:47,190 --> 01:04:44,640

three foreign is an older overhead spy

1572

01:04:49,990 --> 01:04:47,200

can we can i tell you what a kh-11 is

1573

01:04:51,750 --> 01:04:50,000

hell yeah it's a hubble space telescope

1574

01:04:54,549 --> 01:04:51,760

pointed down

1575

01:04:56,630 --> 01:04:54,559

that's exactly what it looks like and a

1576

01:04:58,789 --> 01:04:56,640

thing you may not know which i'm happy

1577

01:04:59,910 --> 01:04:58,799

to tell since it's known people can go

1578

01:05:00,630 --> 01:04:59,920

check me if they don't want to believe

1579

01:05:02,789 --> 01:05:00,640

me

1580

01:05:05,029 --> 01:05:02,799

the national reconnaissance office gave

1581

01:05:09,190 --> 01:05:05,039

three of them at the end of their useful

1582

01:05:11,190 --> 01:05:09,200

lifetime to them to nasa

1583

01:05:13,349 --> 01:05:11,200

interesting yeah and i don't know what

1584

01:05:15,029 --> 01:05:13,359

if anything they will ever do with it

1585

01:05:17,910 --> 01:05:15,039

because it won't have the instrument

1586

01:05:20,470 --> 01:05:17,920

packages that the astronomers will want

1587

01:05:23,029 --> 01:05:20,480

like the spectrograph and other things

1588

01:05:25,029 --> 01:05:23,039

so we'll just see

1589

01:05:28,150 --> 01:05:25,039

now when you say that they were given

1590

01:05:29,670 --> 01:05:28,160

three are they up yeah are they uh

1591

01:05:31,430 --> 01:05:29,680

they're in orbit they're no longer

1592

01:05:33,750 --> 01:05:31,440

useful for for the national

1593

01:05:36,230 --> 01:05:33,760

reconnaissance office because it

1594

01:05:38,069 --> 01:05:36,240

seemingly has replaced them with other

1595

01:05:40,230 --> 01:05:38,079

things

1596

01:05:42,069 --> 01:05:40,240

so now and they don't need them anymore

1597

01:05:44,549 --> 01:05:42,079

and they're there to do whatever's

1598

01:05:45,589 --> 01:05:44,559

needed and now they're belong to nasa

1599

01:05:47,430 --> 01:05:45,599

and that's going to do with them what

1600

01:05:50,150 --> 01:05:47,440

they want to i guess i don't know maybe

1601
01:05:52,309 --> 01:05:50,160
they didn't do anything i don't know do

1602
01:05:54,069 --> 01:05:52,319
you know if they're still pointed down

1603
01:05:56,230 --> 01:05:54,079
i have no idea

1604
01:05:59,109 --> 01:05:56,240
i don't have any insight into their

1605
01:06:01,829 --> 01:05:59,119
operational uh things right now i don't

1606
01:06:03,750 --> 01:06:01,839
know no idea but i know nro gave them to

1607
01:06:05,589 --> 01:06:03,760
them

1608
01:06:07,190 --> 01:06:05,599
i've got i've got two more questions i

1609
01:06:09,589 --> 01:06:07,200
don't know about sean but we don't want

1610
01:06:10,870 --> 01:06:09,599
to keep you forever no no keep going i'm

1611
01:06:12,390 --> 01:06:10,880
fine

1612
01:06:15,109 --> 01:06:12,400
okay um

1613
01:06:16,950 --> 01:06:15,119

i uh one thing is you just mentioned

1614

01:06:19,190 --> 01:06:16,960

melinda leslie and i know that you just

1615

01:06:20,630 --> 01:06:19,200

took um and we were talking about this

1616

01:06:22,470 --> 01:06:20,640

earlier so i just wanted to follow up on

1617

01:06:24,230 --> 01:06:22,480

this i know you took a trip out to

1618

01:06:26,470 --> 01:06:24,240

arizona recently

1619

01:06:28,069 --> 01:06:26,480

and that you had a bit of a personal

1620

01:06:30,069 --> 01:06:28,079

mission invested in that can you tell us

1621

01:06:32,309 --> 01:06:30,079

a little bit about that sure so i wanted

1622

01:06:34,069 --> 01:06:32,319

to put skyhub out there but skyhub did

1623

01:06:37,190 --> 01:06:34,079

his thing and did it then went and then

1624

01:06:41,349 --> 01:06:37,200

sky 60 has taken over so i want to take

1625

01:06:42,630 --> 01:06:41,359

my equipment operated in the sky 60

1626
01:06:44,829 --> 01:06:42,640
operation

1627
01:06:48,870 --> 01:06:44,839
and i have now secured

1628
01:06:52,069 --> 01:06:48,880
permission to put it on a facility

1629
01:06:53,910 --> 01:06:52,079
that is close to where melinda does her

1630
01:06:56,630 --> 01:06:53,920
ufo tours

1631
01:06:58,710 --> 01:06:56,640
and so it's going to have you know video

1632
01:07:02,230 --> 01:06:58,720
other sensors and

1633
01:07:04,630 --> 01:07:02,240
i'm and it's a hundred feet

1634
01:07:06,230 --> 01:07:04,640
from where one of her competitors has

1635
01:07:09,829 --> 01:07:06,240
his tours

1636
01:07:11,109 --> 01:07:09,839
so uh it's just stuff happens like crazy

1637
01:07:13,190 --> 01:07:11,119
out in sedona

1638
01:07:14,789 --> 01:07:13,200

so we went out to this ranch i think

1639

01:07:16,549 --> 01:07:14,799

it's called the douglas ranch i'm not

1640

01:07:18,390 --> 01:07:16,559

exactly sure i think that's the name

1641

01:07:19,190 --> 01:07:18,400

anyway we went out to this ranch with

1642

01:07:21,670 --> 01:07:19,200

her

1643

01:07:23,430 --> 01:07:21,680

because we had cloudy nights but except

1644

01:07:25,029 --> 01:07:23,440

for a short period of time but anyway we

1645

01:07:27,190 --> 01:07:25,039

had cloudy nights so we really couldn't

1646

01:07:29,109 --> 01:07:27,200

do the kind of observation she normally

1647

01:07:30,710 --> 01:07:29,119

well went out to this ranch

1648

01:07:33,670 --> 01:07:30,720

and it's abandoned

1649

01:07:36,789 --> 01:07:33,680

and apparently the local

1650

01:07:38,870 --> 01:07:36,799

people kind of that run sedona

1651

01:07:40,549 --> 01:07:38,880

got tired of all the weird stuff that

1652

01:07:42,230 --> 01:07:40,559

was going on out there and they kind of

1653

01:07:43,750 --> 01:07:42,240

forced the people off they were they

1654

01:07:46,950 --> 01:07:43,760

would have left them out there forever

1655

01:07:47,990 --> 01:07:46,960

if they were not doing paranormal usa uh

1656

01:07:49,750 --> 01:07:48,000

but apparently they didn't want

1657

01:07:51,990 --> 01:07:49,760

skinwalker ranch right in the middle of

1658

01:07:52,950 --> 01:07:52,000

sedona so we went out there

1659

01:07:55,829 --> 01:07:52,960

so

1660

01:07:57,990 --> 01:07:55,839

we i saw these places where these really

1661

01:08:00,630 --> 01:07:58,000

heavy cows had walked you tell their

1662

01:08:03,990 --> 01:08:00,640

clothed feet and how deep they go into

1663

01:08:06,390 --> 01:08:04,000

the sand and then i saw

1664

01:08:08,309 --> 01:08:06,400

footprints that were over a feet long

1665

01:08:10,390 --> 01:08:08,319

over a foot long

1666

01:08:13,109 --> 01:08:10,400

two to three times as deep as the cow

1667

01:08:15,430 --> 01:08:13,119

prince with a seven foot gate

1668

01:08:17,910 --> 01:08:15,440

okay that's the first time i've ever

1669

01:08:19,749 --> 01:08:17,920

seen that so we were walking out toward

1670

01:08:21,349 --> 01:08:19,759

the edge of the property because there

1671

01:08:24,070 --> 01:08:21,359

are many

1672

01:08:25,030 --> 01:08:24,080

famous westerns that were filmed on that

1673

01:08:26,950 --> 01:08:25,040

ranch

1674

01:08:29,030 --> 01:08:26,960

so we were going to go trying the rem

1675

01:08:31,669 --> 01:08:29,040

the ghost town of the sets for some of

1676
01:08:32,390 --> 01:08:31,679
those western movies so we were walking

1677
01:08:35,590 --> 01:08:32,400
out

1678
01:08:38,149 --> 01:08:35,600
and melinda said oh i'm feeling it

1679
01:08:39,590 --> 01:08:38,159
something energy field or electricity my

1680
01:08:40,870 --> 01:08:39,600
body is being

1681
01:08:42,789 --> 01:08:40,880
i feel it

1682
01:08:45,749 --> 01:08:42,799
so i looked up and there was this old

1683
01:08:47,669 --> 01:08:45,759
house out on the

1684
01:08:50,309 --> 01:08:47,679
southern end of the southeastern end of

1685
01:08:53,269 --> 01:08:50,319
the property and i was looked i looked

1686
01:08:56,390 --> 01:08:53,279
inside what were broken windows

1687
01:08:58,789 --> 01:08:56,400
and i saw as clear as day

1688
01:09:00,870 --> 01:08:58,799

at three o'clock in the afternoon a

1689

01:09:02,470 --> 01:09:00,880

shadow person walk

1690

01:09:05,110 --> 01:09:02,480

behind the windows

1691

01:09:07,590 --> 01:09:05,120

it was as clear as it could be

1692

01:09:09,590 --> 01:09:07,600

so i went melinda that's i saw a shadow

1693

01:09:11,749 --> 01:09:09,600

person and she says this sarah says no

1694

01:09:13,110 --> 01:09:11,759

it's gone she says yeah i can tell

1695

01:09:14,550 --> 01:09:13,120

because i stopped feeling this

1696

01:09:16,470 --> 01:09:14,560

electricity

1697

01:09:18,789 --> 01:09:16,480

so i mean that was a weird experience

1698

01:09:20,550 --> 01:09:18,799

and seeing these massive footprints with

1699

01:09:23,430 --> 01:09:20,560

a selling foot gate with another big

1700

01:09:26,789 --> 01:09:23,440

deal and i could tell from the depth of

1701

01:09:27,990 --> 01:09:26,799

the depression it was much heavier than

1702

01:09:29,269 --> 01:09:28,000

the cows

1703

01:09:31,110 --> 01:09:29,279

would you

1704

01:09:33,349 --> 01:09:31,120

recognize it if you saw it again they

1705

01:09:35,910 --> 01:09:33,359

call lady they call it lady something or

1706

01:09:37,990 --> 01:09:35,920

other she says oh yeah everybody knows

1707

01:09:40,229 --> 01:09:38,000

that bigfoot is out here it's a lady

1708

01:09:43,269 --> 01:09:40,239

something or other and she says it's

1709

01:09:45,269 --> 01:09:43,279

well known and that i and that i had no

1710

01:09:47,030 --> 01:09:45,279

one had told me this i just happened to

1711

01:09:48,709 --> 01:09:47,040

see these footprints

1712

01:09:51,349 --> 01:09:48,719

would you recognize them if you saw them

1713

01:09:53,510 --> 01:09:51,359

again oh yeah

1714

01:09:56,470 --> 01:09:53,520

is that it

1715

01:09:58,310 --> 01:09:56,480

that resembles it yeah it's long and and

1716

01:10:00,550 --> 01:09:58,320

very deep

1717

01:10:02,470 --> 01:10:00,560

yes that that's more like it

1718

01:10:04,709 --> 01:10:02,480

well that's more like it

1719

01:10:08,550 --> 01:10:04,719

long and deep but it was annually it was

1720

01:10:10,790 --> 01:10:08,560

the sand was softer so it was deeper and

1721

01:10:13,030 --> 01:10:10,800

so some of the sides have caved in but

1722

01:10:15,830 --> 01:10:13,040

let me tell you this it had not been out

1723

01:10:18,390 --> 01:10:15,840

there long and weathered these were

1724

01:10:20,790 --> 01:10:18,400

fresh i'd say well under a month old

1725

01:10:22,790 --> 01:10:20,800

footprints because the winds blow and

1726

01:10:27,110 --> 01:10:22,800

the sand would have blown in

1727

01:10:32,070 --> 01:10:27,990

yeah

1728

01:10:34,950 --> 01:10:32,080

i found those in the old blue book file

1729

01:10:36,630 --> 01:10:34,960

interesting i believe

1730

01:10:38,229 --> 01:10:36,640

yeah and it's also really interesting

1731

01:10:39,590 --> 01:10:38,239

that you're saying that uh that the

1732

01:10:41,830 --> 01:10:39,600

sedona

1733

01:10:43,910 --> 01:10:41,840

what the like the officials or whatever

1734

01:10:45,669 --> 01:10:43,920

you wanna like don't want it to become a

1735

01:10:47,510 --> 01:10:45,679

skinwalker or ranch right now this is

1736

01:10:49,590 --> 01:10:47,520

better we're still trying trying to turn

1737

01:10:51,510 --> 01:10:49,600

it into this major tourist place which

1738

01:10:54,149 --> 01:10:51,520

is definitely what it is now

1739

01:10:56,550 --> 01:10:54,159

expensive restaurants right five-star

1740

01:10:58,790 --> 01:10:56,560

hotels that cost hundreds to a thousand

1741

01:11:00,550 --> 01:10:58,800

dollars a night all sorts of famous

1742

01:11:02,550 --> 01:11:00,560

people living in the area and the

1743

01:11:03,669 --> 01:11:02,560

chamber of commerce didn't want to drive

1744

01:11:06,390 --> 01:11:03,679

them off

1745

01:11:08,390 --> 01:11:06,400

well now well things have changed let me

1746

01:11:10,470 --> 01:11:08,400

tell you why things have changed

1747

01:11:12,630 --> 01:11:10,480

things have changed how do i know that

1748

01:11:15,430 --> 01:11:12,640

the person who has given me

1749

01:11:19,390 --> 01:11:15,440

access to the building to put the censor

1750

01:11:21,750 --> 01:11:19,400

is the head of the chamber of commerce

1751

01:11:24,390 --> 01:11:21,760

[Music]

1752

01:11:26,550 --> 01:11:24,400

there you go it's gonna be safe and we

1753

01:11:27,910 --> 01:11:26,560

did the right thing melinda hooked me up

1754

01:11:29,830 --> 01:11:27,920

big time

1755

01:11:31,430 --> 01:11:29,840

awesome yeah i got to get in touch with

1756

01:11:33,270 --> 01:11:31,440

her to get to get on this show we were

1757

01:11:34,229 --> 01:11:33,280

trying to make that happen yeah she'll

1758

01:11:41,590 --> 01:11:34,239

she

1759

01:11:43,110 --> 01:11:41,600

amazing

1760

01:11:45,350 --> 01:11:43,120

that's good to hear you guys like taking

1761

01:11:47,189 --> 01:11:45,360

the portal energy out of sedona it's

1762

01:11:48,790 --> 01:11:47,199

like it's like taking the beans out of a

1763

01:11:50,149 --> 01:11:48,800

burrito you can do it but i don't know

1764

01:11:52,310 --> 01:11:50,159

if it's a burrito anymore you know what

1765

01:11:54,709 --> 01:11:52,320

i mean

1766

01:11:57,270 --> 01:11:54,719

they failed

1767

01:11:59,510 --> 01:11:57,280

because there's these ufo tours run by

1768

01:12:01,590 --> 01:11:59,520

multiple people and all of them all of

1769

01:12:04,709 --> 01:12:01,600

them are successful

1770

01:12:06,790 --> 01:12:04,719

well that yeah and actually be going

1771

01:12:09,910 --> 01:12:06,800

backwards a little bit john marina says

1772

01:12:10,630 --> 01:12:09,920

you know that's uh ramirez that's where

1773

01:12:16,790 --> 01:12:10,640

he

1774

01:12:18,709 --> 01:12:16,800

active place yep

1775

01:12:20,070 --> 01:12:18,719

yeah that's why that's what i want to be

1776

01:12:21,189 --> 01:12:20,080

that's my first

1777

01:12:22,790 --> 01:12:21,199

sensor

1778

01:12:23,669 --> 01:12:22,800

not at home

1779

01:12:25,270 --> 01:12:23,679

yeah

1780

01:12:26,390 --> 01:12:25,280

uh i should definitely get one over my

1781

01:12:26,890 --> 01:12:26,400

home because that's where i see

1782

01:12:29,910 --> 01:12:26,900

everything

1783

01:12:32,950 --> 01:12:29,920

[Laughter]

1784

01:12:35,590 --> 01:12:32,960

go ahead i got one more question if

1785

01:12:38,390 --> 01:12:35,600

if we're good for it um that's all right

1786

01:12:40,470 --> 01:12:38,400

um you know i i remember talking with

1787

01:12:42,630 --> 01:12:40,480

you a while ago about um like don

1788

01:12:45,590 --> 01:12:42,640

hoffman the case against reality folks

1789

01:12:46,550 --> 01:12:45,600

like that yes um and i was just and and

1790

01:12:48,790 --> 01:12:46,560

i know

1791

01:12:51,669 --> 01:12:48,800

those ideas get to get you pretty jazzed

1792

01:12:53,350 --> 01:12:51,679

and they get end the same is true for me

1793

01:12:55,990 --> 01:12:53,360

and i kind of want to wrap that into a

1794

01:12:57,110 --> 01:12:56,000

bigger question just to just to let let

1795

01:12:59,110 --> 01:12:57,120

you go

1796

01:13:01,430 --> 01:12:59,120

you know um

1797

01:13:04,149 --> 01:13:01,440

who are a few outside the box people

1798

01:13:07,030 --> 01:13:04,159

like not the usual suspects of like

1799

01:13:09,270 --> 01:13:07,040

belay or the lorenzens or dolan or

1800

01:13:11,270 --> 01:13:09,280

whoever who would you recommend people

1801

01:13:13,590 --> 01:13:11,280

in this field read

1802

01:13:15,750 --> 01:13:13,600

you know within ufology anomalous

1803

01:13:18,149 --> 01:13:15,760

studies in general who would who would

1804

01:13:20,070 --> 01:13:18,159

you recommend people look at as kind of

1805

01:13:22,310 --> 01:13:20,080

a crash course to having a bigger or

1806

01:13:25,430 --> 01:13:22,320

better or more well-informed perspective

1807

01:13:27,510 --> 01:13:25,440

in terms of these big mysteries

1808

01:13:29,830 --> 01:13:27,520

okay so

1809

01:13:31,830 --> 01:13:29,840

you definitely want to read hoffman

1810

01:13:33,510 --> 01:13:31,840

and the reason you want to read hofmann

1811

01:13:36,470 --> 01:13:33,520

is it's

1812

01:13:39,430 --> 01:13:36,480

it's critically important

1813

01:13:41,669 --> 01:13:39,440

for people to understand

1814

01:13:43,510 --> 01:13:41,679

that

1815

01:13:45,550 --> 01:13:43,520

we know

1816

01:13:48,149 --> 01:13:45,560

for a fact

1817

01:13:50,070 --> 01:13:48,159

completely concluded

1818

01:13:54,390 --> 01:13:50,080

that evolution

1819

01:13:56,790 --> 01:13:54,400

has chosen our senses to fool us

1820

01:14:00,709 --> 01:13:56,800

we do not perceive

1821

01:14:03,510 --> 01:14:00,719

reality as it is and it they've proven

1822

01:14:06,870 --> 01:14:03,520

that any entity that sees objective

1823

01:14:09,189 --> 01:14:06,880

reality is selected against by the

1824

01:14:10,790 --> 01:14:09,199

underlying theory of evolution

1825

01:14:12,950 --> 01:14:10,800

so

1826

01:14:15,430 --> 01:14:12,960

evolution is the driver

1827

01:14:19,030 --> 01:14:15,440

and what happens in evolution is

1828

01:14:22,229 --> 01:14:19,040

the the the sensors and the perceptions

1829

01:14:24,229 --> 01:14:22,239

from those sensors this the feelings the

1830

01:14:27,110 --> 01:14:24,239

odors other perceptions that you get

1831

01:14:30,390 --> 01:14:27,120

from our sensors are the ones that help

1832

01:14:32,790 --> 01:14:30,400

us survive the best because that's what

1833

01:14:35,830 --> 01:14:32,800

wins the game of evolution

1834

01:14:36,950 --> 01:14:35,840

not reality whatever helps you survive

1835

01:14:38,550 --> 01:14:36,960

the best

1836

01:14:42,310 --> 01:14:38,560

okay so

1837

01:14:45,110 --> 01:14:42,320

i want everyone to read hoffman's case

1838

01:14:47,270 --> 01:14:45,120

the case against reality stuff i mean

1839

01:14:50,470 --> 01:14:47,280

i'm not expecting you to get the math

1840

01:14:52,229 --> 01:14:50,480

but he does a pretty good explication of

1841

01:14:54,310 --> 01:14:52,239

why the math

1842

01:14:57,270 --> 01:14:54,320

says what it says

1843

01:14:59,430 --> 01:14:57,280

and he's his viewpoint is

1844

01:15:03,110 --> 01:14:59,440

that our

1845

01:15:06,790 --> 01:15:03,120

sensory system and our perceptions are

1846

01:15:09,030 --> 01:15:06,800

like the desktop on our laptop

1847

01:15:11,270 --> 01:15:09,040

we see a bunch of icons that we can

1848

01:15:15,350 --> 01:15:11,280

click on and we hear a bunch of stuff

1849

01:15:17,830 --> 01:15:15,360

but if i if i click on jay and sean here

1850

01:15:20,630 --> 01:15:17,840

in this video i'm not actually clicking

1851
01:15:23,750 --> 01:15:20,640
on them i'm clicking on a representation

1852
01:15:27,030 --> 01:15:23,760
of them that allows us to communicate

1853
01:15:28,950 --> 01:15:27,040
that is his way of discussing how our

1854
01:15:31,669 --> 01:15:28,960
perception works and how our

1855
01:15:34,550 --> 01:15:31,679
consciousness works and how evolution

1856
01:15:37,189 --> 01:15:34,560
has determined how the system works if

1857
01:15:38,870 --> 01:15:37,199
you just read one thing

1858
01:15:40,790 --> 01:15:38,880
that's important

1859
01:15:43,910 --> 01:15:40,800
uh and uh

1860
01:15:46,470 --> 01:15:43,920
anything else that goes from there great

1861
01:15:48,550 --> 01:15:46,480
but if you want want to read that

1862
01:15:50,830 --> 01:15:48,560
that would be good

1863
01:15:53,910 --> 01:15:50,840

and uh dr dr

1864

01:15:55,430 --> 01:15:53,920

davis um bob davis

1865

01:15:58,149 --> 01:15:55,440

formerly from those

1866

01:16:00,470 --> 01:15:58,159

sunni formerly from free

1867

01:16:01,750 --> 01:16:00,480

uh currently operating somewhat

1868

01:16:02,470 --> 01:16:01,760

independently

1869

01:16:04,390 --> 01:16:02,480

he

1870

01:16:07,350 --> 01:16:04,400

is an audiologist that has done all

1871

01:16:09,189 --> 01:16:07,360

sorts of interesting work and is now

1872

01:16:12,390 --> 01:16:09,199

working in consciousness i believe

1873

01:16:14,550 --> 01:16:12,400

marrying hoffman with davis right now is

1874

01:16:16,870 --> 01:16:14,560

kind of an interesting place to think

1875

01:16:20,790 --> 01:16:16,880

and work and that's what i'm doing i'm

1876

01:16:24,310 --> 01:16:20,800

in contact with davis regularly now

1877

01:16:26,149 --> 01:16:24,320

awesome thanks welcome

1878

01:16:28,709 --> 01:16:26,159

i really appreciate your time you're an

1879

01:16:30,550 --> 01:16:28,719

awesome guy you're so full no this was

1880

01:16:32,630 --> 01:16:30,560

fun plus i mean

1881

01:16:34,550 --> 01:16:32,640

jay's my jay and kirsten and stuart

1882

01:16:35,430 --> 01:16:34,560

they're my brothers and sisters so there

1883

01:16:37,350 --> 01:16:35,440

you go

1884

01:16:40,709 --> 01:16:37,360

well hopefully i'll get married into the

1885

01:16:43,669 --> 01:16:40,719

family one day we'll join the expansion

1886

01:16:45,830 --> 01:16:43,679

i am yeah yeah

1887

01:16:47,110 --> 01:16:45,840

yeah the experienter group is amazing

1888

01:16:51,750 --> 01:16:47,120

and

1889

01:16:54,709 --> 01:16:51,760

allow

1890

01:16:56,870 --> 01:16:54,719

us to interact with them are amazing and

1891

01:16:59,189 --> 01:16:56,880

that's not the end of it once you make

1892

01:17:00,390 --> 01:16:59,199

contact in there you can continue the

1893

01:17:03,110 --> 01:17:00,400

interaction

1894

01:17:05,750 --> 01:17:03,120

i i i never thought i'd be able to have

1895

01:17:08,149 --> 01:17:05,760

regular interaction be social media

1896

01:17:09,830 --> 01:17:08,159

friends and have questions answered by

1897

01:17:12,870 --> 01:17:09,840

kathleen martin

1898

01:17:14,070 --> 01:17:12,880

i mean it was just fabulous and now uh

1899

01:17:16,310 --> 01:17:14,080

uh

1900

01:17:17,990 --> 01:17:16,320

big time newspaper reporters that might

1901

01:17:21,030 --> 01:17:18,000

work for the new york times and i

1902

01:17:23,750 --> 01:17:21,040

interact so i mean it's just amazing i

1903

01:17:25,510 --> 01:17:23,760

mean so the experienter group if you are

1904

01:17:27,350 --> 01:17:25,520

an experienter don't come in there

1905

01:17:30,229 --> 01:17:27,360

looking for dirt that's not what it's

1906

01:17:31,189 --> 01:17:30,239

for it's for you to interact in a safe

1907

01:17:32,550 --> 01:17:31,199

space

1908

01:17:34,790 --> 01:17:32,560

about the things that have happened to

1909

01:17:35,750 --> 01:17:34,800

you or the things you want to know about

1910

01:17:40,709 --> 01:17:35,760

yeah

1911

01:17:43,430 --> 01:17:40,719

so what with that being said mr bob

1912

01:17:47,030 --> 01:17:43,440

mcguire i do appreciate it until next

1913

01:17:49,270 --> 01:17:47,040

time um have a great day celebrate today

1914

01:17:50,470 --> 01:17:49,280

um and we'll check in with you again

1915

01:17:52,229 --> 01:17:50,480

thank you guys

1916

01:17:54,070 --> 01:17:52,239

all right thanks so much bob appreciate

1917

01:17:56,229 --> 01:17:54,080

it

1918

01:17:58,630 --> 01:17:56,239

pretty good huh

1919

01:18:00,950 --> 01:17:58,640

excellent really excellent

1920

01:18:03,990 --> 01:18:00,960

i don't really i don't re-watch uh my

1921

01:18:05,910 --> 01:18:04,000

interviews very much but i will have to

1922

01:18:07,430 --> 01:18:05,920

i'll have to re-watch this one

1923

01:18:08,790 --> 01:18:07,440

because there there's that one flew

1924

01:18:11,110 --> 01:18:08,800

right by

1925

01:18:12,950 --> 01:18:11,120

yeah for sure it did

1926

01:18:16,550 --> 01:18:12,960

um let's

1927

01:18:18,790 --> 01:18:16,560

let's go through some photos quick huh

1928

01:18:21,030 --> 01:18:18,800

do you want to

1929

01:18:22,470 --> 01:18:21,040

absolutely i'm just muting because the

1930

01:18:24,630 --> 01:18:22,480

you know jersey city is being jersey

1931

01:18:30,550 --> 01:18:24,640

city right now

1932

01:18:34,790 --> 01:18:32,950

so yeah that isn't that crazy

1933

01:18:36,950 --> 01:18:34,800

tail of it

1934

01:18:39,430 --> 01:18:36,960

yeah i love it and i love that it's just

1935

01:18:42,470 --> 01:18:39,440

and what year is this was this like 57

1936

01:18:45,350 --> 01:18:42,480

something like that 47

1937

01:18:48,310 --> 01:18:45,360

47 47 yeah

1938

01:18:50,310 --> 01:18:48,320

i love the burned in xerox look too it's

1939

01:18:51,750 --> 01:18:50,320

that is a really

1940

01:18:53,350 --> 01:18:51,760

um

1941

01:18:55,430 --> 01:18:53,360

that's

1942

01:18:57,910 --> 01:18:55,440

it's easy to fetishize some of these

1943

01:18:59,990 --> 01:18:57,920

images quite a lot that those burned and

1944

01:19:01,750 --> 01:19:00,000

blacks are beautiful that's gorgeous

1945

01:19:03,270 --> 01:19:01,760

it's kind of like we got a like a hat

1946

01:19:04,790 --> 01:19:03,280

shape there

1947

01:19:07,590 --> 01:19:04,800

and i love seeing those those like

1948

01:19:10,630 --> 01:19:07,600

plasma field kind of crap like craft or

1949

01:19:11,990 --> 01:19:10,640

uaps that's that's amazing oh

1950

01:19:16,870 --> 01:19:12,000

whoa

1951

01:19:21,590 --> 01:19:19,590

that's your diamond shape

1952

01:19:23,510 --> 01:19:21,600

that might be my that might be one of my

1953

01:19:25,030 --> 01:19:23,520

favorites there i can't like that

1954

01:19:27,430 --> 01:19:25,040

doesn't even look real to me it's so

1955

01:19:29,270 --> 01:19:27,440

it's so crisp

1956

01:19:31,110 --> 01:19:29,280

isn't that like that's kind of what i've

1957

01:19:33,430 --> 01:19:31,120

always said to about like photos or

1958

01:19:34,709 --> 01:19:33,440

video like even if it is real are you

1959

01:19:36,790 --> 01:19:34,719

gonna believe it

1960

01:19:37,750 --> 01:19:36,800

because it's gonna be so

1961

01:19:38,550 --> 01:19:37,760

you know

1962

01:19:40,709 --> 01:19:38,560

right

1963

01:19:42,390 --> 01:19:40,719

unbelievable that's a thing yeah it's

1964

01:19:44,070 --> 01:19:42,400

kind of like you know if we have the

1965

01:19:45,750 --> 01:19:44,080

current thing like luke keeps talking

1966

01:19:47,189 --> 01:19:45,760

about this like 40 minute tape that just

1967

01:19:48,790 --> 01:19:47,199

looks like sci-fi or whatever the heck

1968

01:19:50,709 --> 01:19:48,800

it is right

1969

01:19:52,870 --> 01:19:50,719

and i'm like oh my gosh

1970

01:19:54,950 --> 01:19:52,880

when's that gonna drop and and and how

1971

01:19:57,189 --> 01:19:54,960

many people are gonna be like yeah that

1972

01:20:00,229 --> 01:19:57,199

was from a movie you know

1973

01:20:02,790 --> 01:20:00,239

but this is these are beautiful

1974

01:20:03,669 --> 01:20:02,800

just beautiful they're artistic aren't

1975

01:20:05,910 --> 01:20:03,679

they

1976

01:20:08,310 --> 01:20:05,920

i love the films you really are

1977

01:20:09,330 --> 01:20:08,320

i love you in this camera yeah

1978

01:20:11,750 --> 01:20:09,340

yeah do you guys like that

1979

01:20:13,750 --> 01:20:11,760

[Music]

1980

01:20:15,590 --> 01:20:13,760

saucer landed here we better scope it up

1981

01:20:17,830 --> 01:20:15,600

measure it

1982

01:20:19,669 --> 01:20:17,840

oh man that's just that's just us in

1983

01:20:21,990 --> 01:20:19,679

another life sean that's you and me

1984

01:20:23,910 --> 01:20:22,000

getting out the tape measure love it

1985

01:20:25,750 --> 01:20:23,920

doing some dirty work

1986

01:20:29,189 --> 01:20:25,760

that's right got to get in the field

1987

01:20:33,990 --> 01:20:31,270

this one's interesting

1988

01:20:35,910 --> 01:20:34,000

oh man it's giving me like kinko's vibes

1989

01:20:39,510 --> 01:20:35,920

that whole four-up look

1990

01:20:43,830 --> 01:20:40,310

man

1991

01:20:47,350 --> 01:20:45,910

were these from the stone archive or did

1992

01:20:48,629 --> 01:20:47,360

you find these elsewhere

1993

01:20:53,189 --> 01:20:48,639

no these were

1994

01:20:58,470 --> 01:20:56,310

our archive site in um this is all blue

1995

01:21:00,629 --> 01:20:58,480

book stuff

1996

01:21:02,870 --> 01:21:00,639

so these come with like places and dates

1997

01:21:04,470 --> 01:21:02,880

and stuff that you know i'll look up

1998

01:21:05,750 --> 01:21:04,480

eventually but i just wanted to get all

1999

01:21:08,870 --> 01:21:05,760

these

2000

01:21:09,910 --> 01:21:08,880

um and i only really saved the ones that

2001

01:21:12,470 --> 01:21:09,920

um

2002

01:21:14,149 --> 01:21:12,480

you know were something we're like

2003

01:21:16,070 --> 01:21:14,159

i really can't make out what this

2004

01:21:17,030 --> 01:21:16,080

picture is

2005

01:21:18,950 --> 01:21:17,040

you know

2006

01:21:21,430 --> 01:21:18,960

those i didn't

2007

01:21:23,189 --> 01:21:21,440

yeah this one's intense that's your you

2008

01:21:24,550 --> 01:21:23,199

know every you always hear that too a

2009

01:21:28,390 --> 01:21:24,560

football shape

2010

01:21:33,669 --> 01:21:30,950

well and the saucer is submerged in in

2011

01:21:35,590 --> 01:21:33,679

the cloud like that's like or it's

2012

01:21:41,189 --> 01:21:35,600

what looks to be that like that's that

2013

01:21:45,910 --> 01:21:44,070

yeah be crazy looking

2014

01:21:48,390 --> 01:21:45,920

oh that looks like it's from queens that

2015

01:21:49,910 --> 01:21:48,400

looked like it was from new york city

2016

01:21:52,390 --> 01:21:49,920

looks like

2017

01:21:53,189 --> 01:21:52,400

it's like one of the bridges

2018

01:21:56,550 --> 01:21:53,199

yeah

2019

01:22:00,709 --> 01:21:56,560

that's wild

2020

01:22:00,719 --> 01:22:03,430

also

2021

01:22:08,629 --> 01:22:05,669

um this one's pretty

2022

01:22:09,430 --> 01:22:08,639

it could be anything but

2023

01:22:11,590 --> 01:22:09,440

yeah

2024

01:22:12,870 --> 01:22:11,600

oh we got like oh wow

2025

01:22:14,470 --> 01:22:12,880

up

2026

01:22:15,910 --> 01:22:14,480

yeah it looks like it could be like a

2027

01:22:18,470 --> 01:22:15,920

triangle or something like that in the

2028

01:22:20,149 --> 01:22:18,480

top left or maybe those are different

2029

01:22:22,149 --> 01:22:20,159

different

2030

01:22:27,430 --> 01:22:22,159

yeah okay maybe that's just a cluster

2031

01:22:31,350 --> 01:22:29,830

these are beautiful

2032

01:22:32,950 --> 01:22:31,360

i can tell you had your snacks today

2033

01:22:34,390 --> 01:22:32,960

because we were scrolling through these

2034

01:22:36,550 --> 01:22:34,400

after bob left

2035

01:22:39,590 --> 01:22:36,560

now what is that no like where did that

2036

01:22:44,149 --> 01:22:41,910

somebody just like shuffled that in or

2037

01:22:45,350 --> 01:22:44,159

whatever it looks like but what is it

2038

01:22:47,189 --> 01:22:45,360

though like

2039

01:22:48,870 --> 01:22:47,199

is that

2040

01:22:50,709 --> 01:22:48,880

yeah it looks like it's just to be like

2041

01:22:52,950 --> 01:22:50,719

partially dematerialized or something

2042

01:22:54,149 --> 01:22:52,960

like that too

2043

01:22:56,950 --> 01:22:54,159

like that was just in the national

2044

01:23:01,110 --> 01:22:59,110

that was in there um this is actually

2045

01:23:03,669 --> 01:23:01,120

bronx new york

2046

01:23:05,110 --> 01:23:03,679

and uh like on their list of sightings

2047

01:23:07,110 --> 01:23:05,120

or whatever you know they have their all

2048

01:23:09,750 --> 01:23:07,120

sightings i went to that year

2049

01:23:12,390 --> 01:23:09,760

and to that date and it liz bronx new

2050

01:23:13,669 --> 01:23:12,400

york as an additional reported sighting

2051

01:23:15,669 --> 01:23:13,679

but they didn't

2052

01:23:18,310 --> 01:23:15,679

investigate it and there was no source

2053

01:23:20,390 --> 01:23:18,320

of where it came from

2054

01:23:22,470 --> 01:23:20,400

that's bizarre

2055

01:23:24,709 --> 01:23:22,480

like it just seems like somebody did

2056

01:23:26,550 --> 01:23:24,719

some kind of like photo job

2057

01:23:28,390 --> 01:23:26,560

but again you know

2058

01:23:29,830 --> 01:23:28,400

if it was real anybody believe it you

2059

01:23:31,510 --> 01:23:29,840

know

2060

01:23:32,950 --> 01:23:31,520

right and it's like it's one of those

2061

01:23:34,550 --> 01:23:32,960

things where it's like if you wouldn't

2062

01:23:35,990 --> 01:23:34,560

tell me that it's lebron i can't even

2063

01:23:37,270 --> 01:23:36,000

tell you where that dome is in the bronx

2064

01:23:39,110 --> 01:23:37,280

of course i don't go to the bronx every

2065

01:23:41,270 --> 01:23:39,120

day but like i would guess like oh

2066

01:23:42,629 --> 01:23:41,280

that's dc you know right but it's not

2067

01:23:45,590 --> 01:23:42,639

true right

2068

01:23:47,910 --> 01:23:45,600

yeah and it's just a weird thing to

2069

01:23:50,070 --> 01:23:47,920

for someone to design too like who would

2070

01:23:52,470 --> 01:23:50,080

have thought of like drawing something

2071

01:23:54,070 --> 01:23:52,480

like that or or whatever it doesn't look

2072

01:23:55,830 --> 01:23:54,080

like drawing either it looks like a

2073

01:23:59,750 --> 01:23:55,840

physical thing because it's

2074

01:24:01,590 --> 01:23:59,760

uh like two-dimensional at least right

2075

01:24:03,110 --> 01:24:01,600

i guess you could draw make it look away

2076

01:24:04,870 --> 01:24:03,120

but

2077

01:24:06,870 --> 01:24:04,880

interesting

2078

01:24:08,470 --> 01:24:06,880

yeah it reminds me of that story there's

2079

01:24:09,990 --> 01:24:08,480

a story about um

2080

01:24:11,270 --> 01:24:10,000

stuart likes to recount this about

2081

01:24:13,189 --> 01:24:11,280

stewart davis likes to recount this

2082

01:24:15,110 --> 01:24:13,199

about guillermo del toro the film

2083

01:24:17,110 --> 01:24:15,120

director you know he did like the shape

2084

01:24:19,030 --> 01:24:17,120

of water and all that other stuff and he

2085

01:24:22,070 --> 01:24:19,040

does a lot of supernatural movies some

2086

01:24:23,189 --> 01:24:22,080

sci-fi moves and uh and he saw like a

2087

01:24:24,629 --> 01:24:23,199

craft

2088

01:24:25,669 --> 01:24:24,639

yeah and

2089

01:24:28,149 --> 01:24:25,679

and

2090

01:24:29,110 --> 01:24:28,159

he um

2091

01:24:34,229 --> 01:24:29,120

he

2092

01:24:36,229 --> 01:24:34,239

are like well what did it look like and

2093

01:24:37,350 --> 01:24:36,239

he was like oh it was garish and it was

2094

01:24:39,590 --> 01:24:37,360

like what are you talking about he's

2095

01:24:41,189 --> 01:24:39,600

like he's like ah the aesthetics they

2096

01:24:44,149 --> 01:24:41,199

were terrible they were absolutely

2097

01:24:46,070 --> 01:24:44,159

terrible he's like it was ugly it's ugly

2098

01:24:48,470 --> 01:24:46,080

yeah it was the ugliest spaceship i ever

2099

01:24:50,629 --> 01:24:48,480

saw in my life totally first said about

2100

01:24:51,750 --> 01:24:50,639

his about his ufo i always thought that

2101

01:24:53,189 --> 01:24:51,760

was so funny

2102

01:24:56,950 --> 01:24:53,199

looks like they cocked their seams

2103

01:25:01,690 --> 01:25:00,310

come on guys put a little caulk in it

2104

01:25:04,790 --> 01:25:01,700

yeah right

2105

01:25:06,149 --> 01:25:04,800

[Laughter]

2106

01:25:07,990 --> 01:25:06,159

that's maybe that's the way you got to

2107

01:25:09,830 --> 01:25:08,000

do it if you're uh if you're floating up

2108

01:25:10,830 --> 01:25:09,840

from catalina island or whatever you

2109

01:25:12,550 --> 01:25:10,840

know look at

2110

01:25:15,110 --> 01:25:12,560

these

2111

01:25:18,629 --> 01:25:15,120

this is like a

2112

01:25:22,950 --> 01:25:21,430

beautiful stuff man

2113

01:25:24,870 --> 01:25:22,960

pretty interesting

2114

01:25:26,629 --> 01:25:24,880

this one's just

2115

01:25:27,990 --> 01:25:26,639

fence

2116

01:25:29,510 --> 01:25:28,000

i love that too

2117

01:25:30,870 --> 01:25:29,520

dude we've got a big thing coming up in

2118

01:25:33,270 --> 01:25:30,880

a couple days here

2119

01:25:37,430 --> 01:25:33,280

yeah hey it's contact week you got grant

2120

01:25:41,669 --> 01:25:39,510

how could you could you imagine to like

2121

01:25:43,910 --> 01:25:41,679

predicting that the week that the the

2122

01:25:47,110 --> 01:25:43,920

congress passed this this for this ufo

2123

01:25:49,910 --> 01:25:47,120

office that you'd have your nwap secrecy

2124

01:25:51,830 --> 01:25:49,920

event on friday that's like wild

2125

01:25:54,070 --> 01:25:51,840

wild timing i can hardly even believe

2126
01:25:55,590 --> 01:25:54,080
that that lined up so long yeah that's

2127
01:25:56,790 --> 01:25:55,600
true that's a good point that is weird

2128
01:25:59,189 --> 01:25:56,800
timing

2129
01:26:00,870 --> 01:25:59,199
um maybe it uh you know that's why it's

2130
01:26:02,470 --> 01:26:00,880
going to be a celebration

2131
01:26:04,390 --> 01:26:02,480
here's some pregnancy

2132
01:26:06,470 --> 01:26:04,400
and greg cameron i can't i can't wait to

2133
01:26:08,470 --> 01:26:06,480
talk to him we're going to um

2134
01:26:09,830 --> 01:26:08,480
talk about some contact and music i

2135
01:26:11,590 --> 01:26:09,840
don't know what to make of this one is

2136
01:26:14,229 --> 01:26:11,600
that like an alien head

2137
01:26:16,629 --> 01:26:14,239
or what is that supposed to be i don't

2138
01:26:17,990 --> 01:26:16,639

know what that yeah it's it's weird

2139

01:26:20,790 --> 01:26:18,000

right like

2140

01:26:22,149 --> 01:26:20,800

it almost more looks like

2141

01:26:24,550 --> 01:26:22,159

yeah i don't i hardly even want to

2142

01:26:27,430 --> 01:26:24,560

speculate that's wild looking

2143

01:26:29,270 --> 01:26:27,440

this is crazy beam coming down

2144

01:26:31,030 --> 01:26:29,280

uh the hell roar i'm not sure what that

2145

01:26:32,870 --> 01:26:31,040

is i think that might be like a missile

2146

01:26:37,910 --> 01:26:32,880

or something

2147

01:26:44,310 --> 01:26:39,270

that's another that's another one of

2148

01:26:51,669 --> 01:26:47,030

it's got you know what i mean like

2149

01:26:56,229 --> 01:26:53,750

it's not like a

2150

01:26:58,149 --> 01:26:56,239

normal like meat platter

2151

01:26:59,750 --> 01:26:58,159

or something you know

2152

01:27:01,910 --> 01:26:59,760

that's that's like

2153

01:27:06,590 --> 01:27:01,920

that's designed

2154

01:27:11,110 --> 01:27:08,950

[Laughter]

2155

01:27:12,950 --> 01:27:11,120

this is only interesting because i found

2156

01:27:15,910 --> 01:27:12,960

that the same thing on something i

2157

01:27:17,750 --> 01:27:15,920

shared on my twitter about

2158

01:27:20,709 --> 01:27:17,760

jimmy carter

2159

01:27:22,310 --> 01:27:20,719

in the ufo after his helicopter

2160

01:27:23,990 --> 01:27:22,320

and it looked like this i was like that

2161

01:27:26,629 --> 01:27:24,000

can't be anything and then here in these

2162

01:27:28,709 --> 01:27:26,639

files are these things sound like

2163

01:27:30,550 --> 01:27:28,719

interesting

2164

01:27:33,430 --> 01:27:30,560

that's a bizarre look too it looks like

2165

01:27:36,070 --> 01:27:33,440

paper clips it's like that weird black

2166

01:27:38,149 --> 01:27:36,080

out you're offended

2167

01:27:39,910 --> 01:27:38,159

you're offending so many non-human

2168

01:27:41,350 --> 01:27:39,920

entities right now

2169

01:27:43,030 --> 01:27:41,360

i know they're like

2170

01:27:46,149 --> 01:27:43,040

they're just like crumpling up their

2171

01:27:48,229 --> 01:27:46,159

designs they're not tossing them inside

2172

01:27:51,910 --> 01:27:48,239

well fine you don't get to see my next

2173

01:27:56,550 --> 01:27:54,470

this is interesting see that uh that big

2174

01:27:59,110 --> 01:27:56,560

light field around it and then it must

2175

01:28:01,189 --> 01:27:59,120

have went away

2176

01:28:03,350 --> 01:28:01,199

yeah that's interesting

2177

01:28:05,110 --> 01:28:03,360

it looks like another case of like

2178

01:28:07,910 --> 01:28:05,120

maybe like

2179

01:28:11,030 --> 01:28:07,920

being either immersed in a cloud for

2180

01:28:12,870 --> 01:28:11,040

no causal reason or like trying to kind

2181

01:28:15,669 --> 01:28:12,880

of obscure oneself in the cloud i'm not

2182

01:28:18,070 --> 01:28:15,679

sure wow

2183

01:28:19,430 --> 01:28:18,080

oh here's one from a scope

2184

01:28:21,350 --> 01:28:19,440

i can't really see what he's looking at

2185

01:28:24,870 --> 01:28:21,360

but he's looking at something

2186

01:28:26,629 --> 01:28:24,880

he looks looking at something yeah

2187

01:28:28,390 --> 01:28:26,639

he's a beautiful man

2188

01:28:32,070 --> 01:28:28,400

this one's pretty cool too

2189

01:28:34,229 --> 01:28:32,080

see this one reminds me of that video

2190

01:28:37,110 --> 01:28:34,239

what where it's like somebody took it

2191

01:28:38,149 --> 01:28:37,120

from a commercial airliner

2192

01:28:39,910 --> 01:28:38,159

i believe

2193

01:28:42,550 --> 01:28:39,920

and they it's like a

2194

01:28:45,189 --> 01:28:42,560

go-to for people

2195

01:28:46,629 --> 01:28:45,199

uh that like tucker cross or whatever

2196

01:28:48,310 --> 01:28:46,639

they always use

2197

01:28:50,870 --> 01:28:48,320

the same videos that's one of them

2198

01:28:52,550 --> 01:28:50,880

except it's like white

2199

01:28:54,390 --> 01:28:52,560

if you see it again it'll make sense it

2200

01:28:57,590 --> 01:28:54,400

looks like that to me

2201

01:28:58,709 --> 01:28:57,600

oh yeah it's interesting that bob said

2202

01:29:00,870 --> 01:28:58,719

yeah

2203

01:29:04,709 --> 01:29:00,880

to these eh

2204

01:29:06,550 --> 01:29:04,719

yeah like that yeah sasquatch right

2205

01:29:08,550 --> 01:29:06,560

i mean it points to again that kind of

2206

01:29:10,149 --> 01:29:08,560

interdimensional like skin walker ranch

2207

01:29:11,510 --> 01:29:10,159

thing he's talking about shadow people

2208

01:29:13,830 --> 01:29:11,520

he's talking about

2209

01:29:15,830 --> 01:29:13,840

something with a seven foot gate that

2210

01:29:18,709 --> 01:29:15,840

that all sounds pretty familiar to the

2211

01:29:22,709 --> 01:29:18,719

uintah basin region i think there's your

2212

01:29:24,629 --> 01:29:22,719

egg shapes tic tacs over the water

2213

01:29:29,510 --> 01:29:24,639

yeah

2214

01:29:32,310 --> 01:29:29,520

you're doing this partially just because

2215

01:29:35,110 --> 01:29:32,320

again like the egg shape tic tacs cigar

2216

01:29:37,189 --> 01:29:35,120

shapes you know marrying the history and

2217

01:29:39,750 --> 01:29:37,199

yeah and just kind of consistently

2218

01:29:41,189 --> 01:29:39,760

underlining the part where you know 2004

2219

01:29:42,229 --> 01:29:41,199

wasn't the beginning it's always

2220

01:29:44,550 --> 01:29:42,239

important

2221

01:29:45,990 --> 01:29:44,560

still my favorite though

2222

01:29:48,470 --> 01:29:46,000

oh i love that

2223

01:29:49,840 --> 01:29:48,480

all right that's yeah that's uh all of

2224

01:29:51,030 --> 01:29:49,850

them that i um

2225

01:29:52,709 --> 01:29:51,040

[Music]

2226

01:29:55,830 --> 01:29:52,719

cropped up

2227

01:29:57,510 --> 01:29:55,840

and head ready so gorgeous so gorgeous

2228

01:29:59,030 --> 01:29:57,520

yeah dude i was doing that all morning

2229

01:30:00,390 --> 01:29:59,040

so that that

2230

01:30:03,030 --> 01:30:00,400

took a while but i was like i can't

2231

01:30:05,030 --> 01:30:03,040

believe there's photos there's so many

2232

01:30:08,149 --> 01:30:05,040

of them wow cool

2233

01:30:10,790 --> 01:30:08,159

and they're so um

2234

01:30:13,590 --> 01:30:10,800

tasteful because it's film in black and

2235

01:30:15,110 --> 01:30:13,600

white or whatever you know oh absolutely

2236

01:30:16,950 --> 01:30:15,120

yeah i think there's going to be some

2237

01:30:18,310 --> 01:30:16,960

screen grabbing and

2238

01:30:19,830 --> 01:30:18,320

banner shifting that's going to be

2239

01:30:22,550 --> 01:30:19,840

happening over the course of the day in

2240

01:30:29,110 --> 01:30:24,310

shifting

2241

01:30:33,510 --> 01:30:31,590

that's the look man that's the look

2242

01:30:35,510 --> 01:30:33,520

uh it's great to see you man today this

2243

01:30:37,910 --> 01:30:35,520

has been absolutely wonderful i had a

2244

01:30:39,430 --> 01:30:37,920

great time and and friday we're gonna

2245

01:30:42,070 --> 01:30:39,440

it's that's gonna be a total

2246

01:30:43,110 --> 01:30:42,080

extravaganza if you can't wait man yeah

2247

01:30:45,110 --> 01:30:43,120

and

2248

01:30:46,470 --> 01:30:45,120

i'll make sure to have this for that for

2249

01:30:48,550 --> 01:30:46,480

sure

2250

01:30:49,830 --> 01:30:48,560

yes absolutely too we're gonna have a

2251

01:30:51,750 --> 01:30:49,840

great time

2252

01:30:52,950 --> 01:30:51,760

i know we're gonna we're gonna have

2253

01:30:54,149 --> 01:30:52,960

we're gonna have priscilla there we're

2254

01:30:55,430 --> 01:30:54,159

gonna have vinnie there we're gonna have

2255

01:30:56,629 --> 01:30:55,440

benji there we're gonna have plenty of

2256

01:30:58,950 --> 01:30:56,639

coats and we're gonna have plenty of

2257

01:31:02,470 --> 01:30:58,960

great guts it's gonna be absolutely yeah

2258

01:31:04,310 --> 01:31:02,480

bonkers maybe i'll even drink who knows

2259

01:31:06,470 --> 01:31:04,320

maybe i'll bring a six-pack for like

2260

01:31:08,790 --> 01:31:06,480

halfway through or something who knows

2261

01:31:10,790 --> 01:31:08,800

oh my gosh oh my gosh

2262

01:31:12,550 --> 01:31:10,800

i haven't drank uh

2263

01:31:14,229 --> 01:31:12,560

i used to like beat a musician i

2264

01:31:15,510 --> 01:31:14,239

couldn't even really play a show without

2265

01:31:17,030 --> 01:31:15,520

a couple beers

2266

01:31:18,709 --> 01:31:17,040

but i haven't you know what you mean

2267

01:31:21,430 --> 01:31:18,719

like since coped and stuff i haven't

2268

01:31:22,310 --> 01:31:21,440

drank or anything so

2269

01:31:24,229 --> 01:31:22,320

really

2270

01:31:27,030 --> 01:31:24,239

it'd probably just take me like a beer

2271

01:31:30,629 --> 01:31:27,040

or so and i'd be like

2272

01:31:32,550 --> 01:31:30,639

you take over jake

2273

01:31:33,910 --> 01:31:32,560

all right

2274

01:31:35,510 --> 01:31:33,920

you're just gonna you know you're just

2275

01:31:38,629 --> 01:31:35,520

gonna end up making ralph blumenthal

2276

01:31:39,669 --> 01:31:38,639

nervous and and jealous at the same time

2277

01:31:42,149 --> 01:31:39,679

yeah

2278

01:31:43,590 --> 01:31:42,159

let me tell you so you're such a good

2279

01:31:45,030 --> 01:31:43,600

writer

2280

01:31:46,470 --> 01:31:45,040

i love you man

2281

01:31:47,830 --> 01:31:46,480

yeah if i was there i'd give you a big

2282

01:31:52,229 --> 01:31:47,840

hug

2283

01:31:55,430 --> 01:31:54,149

peace out sir it seems like you'd be

2284

01:31:57,350 --> 01:31:55,440

happy yeah

2285

01:31:59,189 --> 01:31:57,360

have have a wonderful evening and i look

2286

01:32:00,790 --> 01:31:59,199

forward to seeing you very soon and

2287

01:32:02,870 --> 01:32:00,800

thanks to everybody out there in the

2288

01:32:04,870 --> 01:32:02,880

youtube audience uh today and those of

2289

01:32:05,910 --> 01:32:04,880

you that are witnessing us from the

2290

01:32:08,149 --> 01:32:05,920

future

2291

01:32:09,110 --> 01:32:08,159

uh for hanging out with us today it's

2292

01:32:13,189 --> 01:32:09,120

awesome

2293

01:32:13,199 --> 01:32:17,350

welcome to witness citizens

2294

01:32:17,360 --> 01:32:38,629

[Music]

2295

01:32:38,639 --> 01:32:41,720

citizens

2296

01:33:00,820 --> 01:32:58,470

[Music]