

**Duncan Clark**  
**Drone Laws in the U.S.**

**Art Webb**  
**Marik Schwartz**

# Truth Funders Radio

**HOSTS: Art Webb & Mark Schwartz**



1  
00:00:15,790 --> 00:00:02,270  
you're locked into inception radio

2  
00:00:19,130 --> 00:00:15,800  
network superior Wisconsin this is

3  
00:00:21,890 --> 00:00:19,140  
funders radio on the inception radio

4  
00:00:23,630 --> 00:00:21,900  
network a weekly audio Safari that

5  
00:00:25,609 --> 00:00:23,640  
features the newest and paranormal

6  
00:00:28,279 --> 00:00:25,619  
discoveries while highlighting the

7  
00:00:31,519 --> 00:00:28,289  
latest and not to be missed truth funder

8  
00:00:33,770 --> 00:00:31,529  
com projects for truth seekers and true

9  
00:00:43,250 --> 00:00:33,780  
believers this week's truth funders

10  
00:00:46,010 --> 00:00:43,260  
starts now we're back hey everybody

11  
00:00:48,560 --> 00:00:46,020  
greetings Bonjour ola this is mark

12  
00:00:50,510 --> 00:00:48,570  
schwartz CEO of truth funders um art web

13  
00:00:52,639 --> 00:00:50,520

is not here tonight and he's sick at

14

00:00:55,100 --> 00:00:52,649

home with the stomach flu and vomiting

15

00:00:56,689 --> 00:00:55,110

profusely so if everyone out there can

16

00:00:58,040 --> 00:00:56,699

just take a second to picture some white

17

00:00:59,930 --> 00:00:58,050

light send him some good healing

18

00:01:01,610 --> 00:00:59,940

thoughts I'm sure he would really

19

00:01:03,619 --> 00:01:01,620

appreciate it art if you're listening

20

00:01:05,479 --> 00:01:03,629

somewhere and relaxing i hope you get

21

00:01:08,870 --> 00:01:05,489

well buddy and well we'll see you next

22

00:01:10,940 --> 00:01:08,880

week wow so i have been gone for the

23

00:01:12,440 --> 00:01:10,950

past two weeks and where have I been

24

00:01:14,090 --> 00:01:12,450

well if you've been listening to the

25

00:01:17,120 --> 00:01:14,100

show you might know if you're brand new

26

00:01:20,539 --> 00:01:17,130

well you'll find out I got married and

27

00:01:22,850 --> 00:01:20,549

that's crazy it's it's awesome I am now

28

00:01:25,460 --> 00:01:22,860

a part of a real cool Club which is the

29

00:01:27,649 --> 00:01:25,470

husband club and I can't believe it I

30

00:01:29,600 --> 00:01:27,659

mean so much stuff has happened in the

31

00:01:31,789 --> 00:01:29,610

paranormal world over the past two weeks

32

00:01:33,620 --> 00:01:31,799

and I've been gone but I've been off

33

00:01:36,469 --> 00:01:33,630

doing something really cool which is

34

00:01:38,240 --> 00:01:36,479

tying the knot so one of the major

35

00:01:39,859 --> 00:01:38,250

things that happen and I'm sure all of

36

00:01:41,210 --> 00:01:39,869

you listening know about it unless

37

00:01:44,030 --> 00:01:41,220

you've been hiding under a rock for the

38

00:01:46,460 --> 00:01:44,040

past month is that contact in the desert

39  
00:01:49,130 --> 00:01:46,470  
happened now truth thunders was planning

40  
00:01:51,170 --> 00:01:49,140  
to be there and represent in fact I made

41  
00:01:53,179 --> 00:01:51,180  
sure to plan my wedding earlier in the

42  
00:01:55,580 --> 00:01:53,189  
year just so that I would be able to go

43  
00:01:58,429 --> 00:01:55,590  
to contact in the desert so the wife

44  
00:02:00,499 --> 00:01:58,439  
then fiancé and I picked out a date for

45  
00:02:03,260 --> 00:02:00,509  
our wedding and we booked our venue

46  
00:02:05,510 --> 00:02:03,270  
which is extremely hard and expensive in

47  
00:02:07,760 --> 00:02:05,520  
Northern California but I felt great

48  
00:02:10,010 --> 00:02:07,770  
about it you know it was the really

49  
00:02:12,920 --> 00:02:10,020  
great time of the year spring and then

50  
00:02:13,430 --> 00:02:12,930  
when I was listening to the announcement

51  
00:02:15,980 --> 00:02:13,440  
first

52  
00:02:18,170 --> 00:02:15,990  
itd they released their dates and

53  
00:02:20,330 --> 00:02:18,180  
wouldn't you know it it literally was

54  
00:02:22,130 --> 00:02:20,340  
happening on the one weekend that I was

55  
00:02:24,500 --> 00:02:22,140  
getting married of all the dates in the

56  
00:02:27,320 --> 00:02:24,510  
world May thirtieth it's like really

57  
00:02:30,260 --> 00:02:27,330  
maybe maybe that's you know what they

58  
00:02:33,350 --> 00:02:30,270  
call synchronicity so speaking of dates

59  
00:02:35,960 --> 00:02:33,360  
I hate to bring the story up but I saw

60  
00:02:37,850 --> 00:02:35,970  
it and I feel like I have to as those of

61  
00:02:41,030 --> 00:02:37,860  
you who tune in every week no truth

62  
00:02:43,250 --> 00:02:41,040  
funders is a website ww2 Thunder scom

63  
00:02:45,200 --> 00:02:43,260

that helps to crowdfund paranormal

64

00:02:47,750 --> 00:02:45,210

projects of every type from research to

65

00:02:51,140 --> 00:02:47,760

movies to books and beyond so when I

66

00:02:53,930 --> 00:02:51,150

hear space and crowdfunding my first

67

00:02:56,510 --> 00:02:53,940

initial thought is truth funders but not

68

00:02:58,910 --> 00:02:56,520

today so I was just going through weird

69

00:03:01,690 --> 00:02:58,920

news as we like to look at you know the

70

00:03:04,640 --> 00:03:01,700

crazy weird bizarre news of the day and

71

00:03:06,740 --> 00:03:04,650

did you guys hear the story okay here it

72

00:03:08,150 --> 00:03:06,750

goes so I apologize for saying this

73

00:03:10,490 --> 00:03:08,160

something you might get offended but

74

00:03:13,220 --> 00:03:10,500

just just know it's in a good taste and

75

00:03:16,340 --> 00:03:13,230

it's a it's a little bit of a humorous

76

00:03:19,699 --> 00:03:16,350

story as well so pornhub which is a

77

00:03:23,330 --> 00:03:19,709

pornographic website and they're having

78

00:03:25,910 --> 00:03:23,340

a first-ever crowdfunding campaign to

79

00:03:29,960 --> 00:03:25,920

film the first-ever porno movie in space

80

00:03:31,840 --> 00:03:29,970

that's right that's crazy I just want to

81

00:03:35,120 --> 00:03:31,850

say right now that this has absolutely

82

00:03:36,770 --> 00:03:35,130

no affiliation with truth funders but

83

00:03:40,280 --> 00:03:36,780

that would be crazy though what in it

84

00:03:42,920 --> 00:03:40,290

and I have to say that I might have to

85

00:03:45,320 --> 00:03:42,930

watch it out of curiosity if it actually

86

00:03:47,690 --> 00:03:45,330

happened because how do they do it in

87

00:03:50,120 --> 00:03:47,700

zero gravity I remember being 13 years

88

00:03:52,280 --> 00:03:50,130

old and asking friends about that like

89

00:03:56,360 --> 00:03:52,290

what do astronauts how do they do it in

90

00:03:58,070 --> 00:03:56,370

space so anyways totally weird the scary

91

00:04:00,650 --> 00:03:58,080

part is that according to this article

92

00:04:04,130 --> 00:04:00,660

that I was reading pornhub has something

93

00:04:06,920 --> 00:04:04,140

like 19 billion users worldwide so if

94

00:04:08,750 --> 00:04:06,930

everyone out there gave one buck they

95

00:04:11,300 --> 00:04:08,760

might be able to fund something like

96

00:04:13,460 --> 00:04:11,310

that which is totally ludicrous to think

97

00:04:15,440 --> 00:04:13,470

about and there are so many jokes that I

98

00:04:17,750 --> 00:04:15,450

could insert here but I think it's best

99

00:04:19,699 --> 00:04:17,760

to just move on but I just wanted to say

100

00:04:22,880 --> 00:04:19,709

truth funders no affiliation with that

101

00:04:24,830 --> 00:04:22,890

whatsoever and still on the topic of

102

00:04:26,779 --> 00:04:24,840

dates I'm sure you heard about George

103

00:04:27,350 --> 00:04:26,789

Noory who launched his paranormal dating

104

00:04:30,110 --> 00:04:27,360

website

105

00:04:32,390 --> 00:04:30,120

paranormal date calm and I'm truly

106

00:04:33,950 --> 00:04:32,400

fascinated by this it just goes to show

107

00:04:35,959 --> 00:04:33,960

that what we're doing on truth funders

108

00:04:39,350 --> 00:04:35,969

is on the right track and the paranormal

109

00:04:41,420 --> 00:04:39,360

industry is it's getting huge so what do

110

00:04:43,219 --> 00:04:41,430

you think this have you signed up or

111

00:04:45,200 --> 00:04:43,229

visited the site I'll tell you right now

112

00:04:48,080 --> 00:04:45,210

if I wasn't married to the love of my

113

00:04:49,700 --> 00:04:48,090

life I might take a peek there's

114

00:04:52,610 --> 00:04:49,710

definitely got to be some open-minded

115

00:04:54,200 --> 00:04:52,620

spiritual souls on that website but

116

00:04:56,300 --> 00:04:54,210

what's your take do you think that's a

117

00:04:58,999 --> 00:04:56,310

good idea and and I don't know have you

118

00:05:00,290 --> 00:04:59,009

used it have you met someone on it yet I

119

00:05:03,439 --> 00:05:00,300

don't know can you meet someone that

120

00:05:04,939 --> 00:05:03,449

fast online i'm not sure but i love for

121

00:05:08,179 --> 00:05:04,949

you to call in and let me know your

122

00:05:09,559 --> 00:05:08,189

thoughts about this or you know talk to

123

00:05:11,119 --> 00:05:09,569

me about your time to contact in the

124

00:05:13,610 --> 00:05:11,129

desert and you can call into the show

125

00:05:17,540 --> 00:05:13,620

now if you like at one eight eight eight

126

00:05:19,100 --> 00:05:17,550

nine one nine two 355 you'll also want

127

00:05:21,529 --> 00:05:19,110

to keep that phone number handy as

128

00:05:23,719 --> 00:05:21,539

tonight on truth funders radio our guest

129

00:05:25,850 --> 00:05:23,729

is Duncan Clark cameraman for the

130

00:05:28,010 --> 00:05:25,860

popular show MythBusters as well as a

131

00:05:30,260 --> 00:05:28,020

drone operator and we will discuss

132

00:05:32,899 --> 00:05:30,270

paranormal episodes and Mythbusters and

133

00:05:35,089 --> 00:05:32,909

new questions about drones drone laws

134

00:05:37,219 --> 00:05:35,099

what it's like to operate a drone the

135

00:05:40,189 --> 00:05:37,229

future of drones in our society and more

136

00:05:42,200 --> 00:05:40,199

and we will take calls from 6 45 to

137

00:05:47,329 --> 00:05:42,210

seven thirty so once again write down

138

00:05:50,059 --> 00:05:47,339

this number 1 888 91 92 355 and now we

139

00:05:51,589 --> 00:05:50,069

have space boys on the line so for all

140

00:05:54,709 --> 00:05:51,599

of you who don't know space boy space

141

00:05:58,040 --> 00:05:54,719

boy is he's an incredible human being he

142

00:06:00,559 --> 00:05:58,050

is a musician and he created the first

143

00:06:03,079 --> 00:06:00,569

project on truth funders that was

144

00:06:05,899 --> 00:06:03,089

totally completed and fulfilled so he is

145

00:06:10,070 --> 00:06:05,909

like the truth funders superstar he's

146

00:06:12,019 --> 00:06:10,080

also created the intros for several

147

00:06:13,790 --> 00:06:12,029

several other radio shows paranormal

148

00:06:16,429 --> 00:06:13,800

radio shows including jimmy church's

149

00:06:20,869 --> 00:06:16,439

fade to black that intro is space boy as

150

00:06:22,369 --> 00:06:20,879

well as bill and nancy burns future

151  
00:06:25,070 --> 00:06:22,379  
theatre which they've been guests on the

152  
00:06:27,309 --> 00:06:25,080  
show that are fantastic people so right

153  
00:06:30,019 --> 00:06:27,319  
now space boy greetings how are you

154  
00:06:31,909 --> 00:06:30,029  
greetings and salutations my friend and

155  
00:06:34,550 --> 00:06:31,919  
by the way congratulations on your new

156  
00:06:36,860 --> 00:06:34,560  
meta marriage there thank you yeah it's

157  
00:06:39,390 --> 00:06:36,870  
crazy are you married space boy is that

158  
00:06:41,219 --> 00:06:39,400  
okay if I ask you that yeah no no no

159  
00:06:45,300 --> 00:06:41,229  
would question his off bounds with me

160  
00:06:48,120 --> 00:06:45,310  
yeah I actually sir Lana and I met on

161  
00:06:49,890 --> 00:06:48,130  
yahoo personals back in the I guess it's

162  
00:06:52,950 --> 00:06:49,900  
going to be going on for about 10 years

163  
00:06:54,950 --> 00:06:52,960

ago and that's how we met yes that's

164

00:06:57,570 --> 00:06:54,960

awesome so did you meet her in like a

165

00:06:59,400 --> 00:06:57,580

paranormal site sort of like George

166

00:07:02,279 --> 00:06:59,410

Norris thing or did you guys just meet

167

00:07:04,890 --> 00:07:02,289

somewhere somewhere else on that on the

168

00:07:06,719 --> 00:07:04,900

yahoo site itself it was basically just

169

00:07:09,719 --> 00:07:06,729

it was yahoo personals that I guess

170

00:07:13,170 --> 00:07:09,729

later match com scooped it up but but um

171

00:07:17,760 --> 00:07:13,180

yeah we met there and we basically would

172

00:07:19,680 --> 00:07:17,770

sold her to me or vice versa was we both

173

00:07:22,170 --> 00:07:19,690

liked the show called red Dorf which is

174

00:07:24,480 --> 00:07:22,180

popular in Britain worse yeah she said

175

00:07:25,860 --> 00:07:24,490

she said she said oh well I think I'm

176  
00:07:28,680 --> 00:07:25,870  
gonna keep you for a while you know so

177  
00:07:30,589 --> 00:07:28,690  
and a while has turned into 10 years so

178  
00:07:32,820 --> 00:07:30,599  
it's been the best 10 years of my life

179  
00:07:35,810 --> 00:07:32,830  
congratulations it is so good to hear

180  
00:07:38,640 --> 00:07:35,820  
yeah uh you know finding somebody is

181  
00:07:43,650 --> 00:07:38,650  
it's really exciting it's invigorating

182  
00:07:45,300 --> 00:07:43,660  
you know it keeps you motivated my my

183  
00:07:47,180 --> 00:07:45,310  
wife thought so weird to say that I'm

184  
00:07:49,200 --> 00:07:47,190  
still not used to saying that my wife is

185  
00:07:51,480 --> 00:07:49,210  
phenomenal she you know makes me a

186  
00:07:53,450 --> 00:07:51,490  
better person so it's really cool what

187  
00:07:55,110 --> 00:07:53,460  
do you think about George Noory site

188  
00:07:57,149 --> 00:07:55,120

paranormal day do you think it's going

189

00:07:59,550 --> 00:07:57,159

to be a success have you heard anybody

190

00:08:02,070 --> 00:07:59,560

using it was it a big buzz at contact in

191

00:08:03,689 --> 00:08:02,080

the desert well surprisingly I'm you

192

00:08:05,909 --> 00:08:03,699

know I guess I'm getting the exclusive

193

00:08:09,689 --> 00:08:05,919

here first on that I hadn't heard about

194

00:08:11,550 --> 00:08:09,699

that you know everybody needs there's

195

00:08:12,990 --> 00:08:11,560

love in different ways it's just a

196

00:08:15,659 --> 00:08:13,000

matter of making the right connection

197

00:08:18,270 --> 00:08:15,669

you know so if somebody's going to find

198

00:08:21,510 --> 00:08:18,280

a love connection through paranormal I

199

00:08:23,670 --> 00:08:21,520

why not you know they're people who have

200

00:08:26,010 --> 00:08:23,680

that same kind of love for that kind of

201  
00:08:27,779 --> 00:08:26,020  
thing and and so if they can meet on

202  
00:08:31,589 --> 00:08:27,789  
that level then all the more you know

203  
00:08:33,839 --> 00:08:31,599  
there's the world cannot be without

204  
00:08:35,670 --> 00:08:33,849  
enough love and so if you can make a

205  
00:08:40,230 --> 00:08:35,680  
Canadian that way it's that's the way to

206  
00:08:42,690 --> 00:08:40,240  
go that's awesome that's no I totally

207  
00:08:44,430 --> 00:08:42,700  
agree and I think that it's really cool

208  
00:08:47,760 --> 00:08:44,440  
what he's doing because it does show

209  
00:08:50,040 --> 00:08:47,770  
that there is you know I don't think he

210  
00:08:52,470 --> 00:08:50,050  
would go so far as creating this type of

211  
00:08:53,220 --> 00:08:52,480  
site if there wasn't a an audience for

212  
00:09:02,550 --> 00:08:53,230  
it

213  
00:09:05,160 --> 00:09:02,560

paranormal genres is getting and I like

214

00:09:07,530 --> 00:09:05,170

that because it gives more exposure you

215

00:09:09,210 --> 00:09:07,540

know two people worldwide about all the

216

00:09:12,690 --> 00:09:09,220

strange stuff that's going on in our

217

00:09:14,640 --> 00:09:12,700

universe right um so tell me a little

218

00:09:16,560 --> 00:09:14,650

bit about contacting the desert you know

219

00:09:20,280 --> 00:09:16,570

I I heard there's a rumor that you were

220

00:09:23,370 --> 00:09:20,290

wearing a the signature space boy

221

00:09:26,010 --> 00:09:23,380

costume which is like the full-on space

222

00:09:27,990 --> 00:09:26,020

boy helmet and space suit can you can

223

00:09:30,300 --> 00:09:28,000

you describe the space suit for people

224

00:09:31,980 --> 00:09:30,310

listening right now yeah basically the

225

00:09:35,970 --> 00:09:31,990

space suit is is almost like an

226

00:09:38,640 --> 00:09:35,980

authentic astronauts outfit that the you

227

00:09:40,890 --> 00:09:38,650

know maybe the Apollo 11 or Apollo 12

228

00:09:45,740 --> 00:09:40,900

would have worn on their journey to the

229

00:09:48,600 --> 00:09:45,750

moon and but you know it's almost amigas

230

00:09:51,060 --> 00:09:48,610

me space boy where I'm from Houston

231

00:09:55,470 --> 00:09:51,070

Texas and so it's it's fairly

232

00:09:57,540 --> 00:09:55,480

authentic-looking and so you know it's

233

00:09:59,010 --> 00:09:57,550

it's weighty it looks good and I mean

234

00:10:01,830 --> 00:09:59,020

it's not something you would go down to

235

00:10:04,530 --> 00:10:01,840

the to the costume shop and pick up i

236

00:10:07,560 --> 00:10:04,540

had a tailor-made and it definitely well

237

00:10:10,560 --> 00:10:07,570

it definitely works it works works the

238

00:10:12,030 --> 00:10:10,570

crowd so to speak so you wore a contact

239

00:10:14,190 --> 00:10:12,040

in the desert and those who don't know

240

00:10:19,080 --> 00:10:14,200

what contact in the desert is it's this

241

00:10:22,320 --> 00:10:19,090

huge it's it's where everybody comes and

242

00:10:25,110 --> 00:10:22,330

and like all the experts on all the

243

00:10:29,340 --> 00:10:25,120

different subjects of UFOs and ghosts

244

00:10:31,410 --> 00:10:29,350

and you know everything all the stuff we

245

00:10:33,720 --> 00:10:31,420

talked about on this show it's where

246

00:10:35,880 --> 00:10:33,730

they all gather and you can go and see

247

00:10:38,850 --> 00:10:35,890

you know it's a conference basically but

248

00:10:42,140 --> 00:10:38,860

it's sort of the the up-and-coming the

249

00:10:45,660 --> 00:10:42,150

most popular conference currently in the

250

00:10:47,610 --> 00:10:45,670

paranormal industry so it was and it

251

00:10:49,680 --> 00:10:47,620

sits in the desert obviously from the

252

00:10:52,980 --> 00:10:49,690

name so were you hot in the costume at

253

00:10:55,170 --> 00:10:52,990

all well surprisingly Noah you know it

254

00:10:57,870 --> 00:10:55,180

was when I arrived with a with the

255

00:11:00,090 --> 00:10:57,880

costume I guess it was about five or six

256

00:11:02,040 --> 00:11:00,100

in the afternoon so the sun's already

257

00:11:04,560 --> 00:11:02,050

starting to go down and so I guess most

258

00:11:06,540 --> 00:11:04,570

of the heat dissipated and in and then

259

00:11:06,850 --> 00:11:06,550

where I ended up where Jimmy was doing a

260

00:11:09,310 --> 00:11:06,860

show

261

00:11:11,230 --> 00:11:09,320

that night they had I'm gonna quote

262

00:11:13,300 --> 00:11:11,240

unquote on this one air-conditioned in

263

00:11:15,850 --> 00:11:13,310

there so it wasn't so terrible in there

264

00:11:18,340 --> 00:11:15,860

so no it was quite comfortable and then

265

00:11:20,710 --> 00:11:18,350

plus says I'm going to the crowd you

266

00:11:24,100 --> 00:11:20,720

know I'm quite distracted because people

267

00:11:26,170 --> 00:11:24,110

want to take a picture and and so it was

268

00:11:30,070 --> 00:11:26,180

it was a win-win for me as far as space

269

00:11:31,810 --> 00:11:30,080

boys concerned so did you / you able or

270

00:11:33,340 --> 00:11:31,820

let me ask you this for other people

271

00:11:36,760 --> 00:11:33,350

dressed up was there anyone else dressed

272

00:11:39,670 --> 00:11:36,770

is like aliens or anything you know

273

00:11:41,980 --> 00:11:39,680

surprisingly you know even compared to

274

00:11:44,080 --> 00:11:41,990

last year even this year no one was

275

00:11:47,170 --> 00:11:44,090

really kind of dressed up in the you

276

00:11:49,360 --> 00:11:47,180

know the alien outfits or people looking

277

00:11:51,820 --> 00:11:49,370

like there were from the from Venus or

278

00:11:54,760 --> 00:11:51,830

you know typical things you might see or

279

00:11:57,610 --> 00:11:54,770

hear in the UFO community when I showed

280

00:12:00,490 --> 00:11:57,620

up it was pretty much a one-act play

281

00:12:02,740 --> 00:12:00,500

kind of situation where I stood out like

282

00:12:06,250 --> 00:12:02,750

you could not miss the guy coming up

283

00:12:09,850 --> 00:12:06,260

from the desert in a space suit and so

284

00:12:12,280 --> 00:12:09,860

yeah I was I was flying solo that day so

285

00:12:14,200 --> 00:12:12,290

we only have about three minutes left

286

00:12:16,210 --> 00:12:14,210

with you and I there's so much so many

287

00:12:18,760 --> 00:12:16,220

questions I want to ask you but if you

288

00:12:20,620 --> 00:12:18,770

happen to see space boy and you were at

289

00:12:22,330 --> 00:12:20,630

contact in the desert we would love to

290

00:12:24,190 --> 00:12:22,340

hear from you in the next three or four

291

00:12:27,940 --> 00:12:24,200

minutes you can call us at one eight

292

00:12:34,210 --> 00:12:27,950

eight eight nine one nine two 355 that's

293

00:12:38,260 --> 00:12:34,220

8 8 8 9 192 355 so basically space boy

294

00:12:40,000 --> 00:12:38,270

you were you must have gotten all sorts

295

00:12:43,690 --> 00:12:40,010

of attention from everybody if you were

296

00:12:45,670 --> 00:12:43,700

the only one kind of dressed up um where

297

00:12:48,070 --> 00:12:45,680

did you meet anybody like who was who

298

00:12:51,610 --> 00:12:48,080

was the most incredible person that you

299

00:12:54,880 --> 00:12:51,620

either a met or B saw live and gave the

300

00:12:57,640 --> 00:12:54,890

most incredible and great talk well the

301

00:12:59,440 --> 00:12:57,650

thing is that with that space suit it

302

00:13:01,690 --> 00:12:59,450

can opened up a lot of doors for me and

303

00:13:05,080 --> 00:13:01,700

I had met some of these people last year

304

00:13:06,820 --> 00:13:05,090

like Linda Moulton Howe and she's just a

305

00:13:10,060 --> 00:13:06,830

wonderful great lady to get to know

306

00:13:12,580 --> 00:13:10,070

animal yes sir and her delivery is like

307

00:13:14,740 --> 00:13:12,590

impeccable it is a little bit i get rid

308

00:13:17,190 --> 00:13:14,750

of every time i hear her I'm all I'm

309

00:13:19,720 --> 00:13:17,200

always I'm always impressed with her

310

00:13:20,680 --> 00:13:19,730

presentations and I mean it's just it's

311

00:13:22,240 --> 00:13:20,690

always spot-on

312

00:13:24,910 --> 00:13:22,250

it's always engaging to listen to her

313

00:13:28,990 --> 00:13:24,920

and but I mean as far as people you know

314

00:13:31,060 --> 00:13:29,000

I'm Etsuko loose and you know I met van

315

00:13:33,370 --> 00:13:31,070

Daniken was the most interesting one

316

00:13:34,540 --> 00:13:33,380

here I was this guy in the spacesuit I

317

00:13:37,660 --> 00:13:34,550

said hey can I get a picture with you

318

00:13:39,160 --> 00:13:37,670

and he was a little I guess confused by

319

00:13:41,830 --> 00:13:39,170

it but they kind of went with it like a

320

00:13:43,750 --> 00:13:41,840

good guy and you know Stan Friedman

321

00:13:46,180 --> 00:13:43,760

which was awesome to see him this year

322

00:13:49,060 --> 00:13:46,190

because last year he had that stroke and

323

00:13:51,580 --> 00:13:49,070

but he looked great he was in command

324

00:13:54,610 --> 00:13:51,590

and in charge and so yeah and then of

325

00:13:57,460 --> 00:13:54,620

course one of my favorites Jim Marrs I

326

00:13:59,170 --> 00:13:57,470

always like listen in the gym he's one

327

00:14:01,450 --> 00:13:59,180

of my favorite and kind of partially

328

00:14:04,390 --> 00:14:01,460

because he's a Texan as well and so I I

329

00:14:06,970 --> 00:14:04,400

get along with him fabulously that's

330

00:14:08,950 --> 00:14:06,980

that's awesome oh man I'm gonna have to

331

00:14:11,800 --> 00:14:08,960

talk with you offline hear more of your

332

00:14:13,780 --> 00:14:11,810

stories or maybe we can get you back on

333

00:14:16,570 --> 00:14:13,790

the air next week or the week after and

334

00:14:18,370 --> 00:14:16,580

we can have some personal space boy time

335

00:14:20,440 --> 00:14:18,380

with the rest of the truth funders

336

00:14:22,510 --> 00:14:20,450

audience that would be great I want to

337

00:14:23,980 --> 00:14:22,520

thank you so much for for coming on and

338

00:14:26,500 --> 00:14:23,990

talking to us a little bit about it

339

00:14:28,630 --> 00:14:26,510

there's so much more to hear and and you

340

00:14:31,240 --> 00:14:28,640

know what we will definitely get you on

341

00:14:32,890 --> 00:14:31,250

space boy and talk about some of the the

342

00:14:36,490 --> 00:14:32,900

cool little intimate stories that

343

00:14:38,020 --> 00:14:36,500

happened add contact in the desert well

344

00:14:40,360 --> 00:14:38,030

thank you Mark I appreciate it and you

345

00:14:42,880 --> 00:14:40,370

know as always I believe in the truth

346

00:14:44,860 --> 00:14:42,890

funders campaign so if you need me for

347

00:14:47,470 --> 00:14:44,870

anything you know where to find this old

348

00:14:49,300 --> 00:14:47,480

Texan definitely definitely we should do

349

00:14:51,640 --> 00:14:49,310

some co-hosting some time to you should

350

00:14:54,220 --> 00:14:51,650

come on and be like a co-host with me

351  
00:14:56,080 --> 00:14:54,230  
for an episode if you know art sick one

352  
00:14:57,760 --> 00:14:56,090  
week or if I'm sick one week you can

353  
00:14:59,920 --> 00:14:57,770  
hang out with art I think that'd be a

354  
00:15:03,000 --> 00:14:59,930  
lot of fun now would just let me know

355  
00:15:10,350 --> 00:15:03,010  
alright sounds good everybody space boy

356  
00:15:14,500 --> 00:15:10,360  
will cheers all right so next up we have

357  
00:15:18,100 --> 00:15:14,510  
Duncan Clark and Duncan is for those of

358  
00:15:20,880 --> 00:15:18,110  
you who are just tuning in Duncan is the

359  
00:15:24,310 --> 00:15:20,890  
cameraman for popular show MythBusters

360  
00:15:27,640 --> 00:15:24,320  
and he's also a drone operator now

361  
00:15:30,640 --> 00:15:27,650  
there's not a lot of Drew camera drone

362  
00:15:33,280 --> 00:15:30,650  
operators out there but I guess they're

363  
00:15:34,420 --> 00:15:33,290

starting to be more and more and as time

364

00:15:36,519 --> 00:15:34,430

is going on

365

00:15:38,920 --> 00:15:36,529

amazon wants to create an army of drones

366

00:15:42,430 --> 00:15:38,930

to deliver packages I think there was a

367

00:15:44,200 --> 00:15:42,440

episode of Parks and Recreation I saw

368

00:15:47,200 --> 00:15:44,210

where they were sort of making fun of

369

00:15:49,420 --> 00:15:47,210

this idea and there was drones dropping

370

00:15:52,510 --> 00:15:49,430

off packages at people's houses with

371

00:15:55,360 --> 00:15:52,520

stuff that was uh you know personalized

372

00:15:59,199 --> 00:15:55,370

for them and it was really creeping out

373

00:16:01,060 --> 00:15:59,209

the people in parks and rec so yeah I

374

00:16:03,340 --> 00:16:01,070

want it I want to introduce everybody to

375

00:16:06,040 --> 00:16:03,350

Duncan Clark so Duncan are you there I

376

00:16:08,590 --> 00:16:06,050

sure am how are you mark I'm doing well

377

00:16:11,710 --> 00:16:08,600

how are you I'm doing quite well thank

378

00:16:14,320 --> 00:16:11,720

you excellent so for people who are

379

00:16:16,690 --> 00:16:14,330

listening and want to know a little bit

380

00:16:19,660 --> 00:16:16,700

about you and and what you do I would

381

00:16:21,720 --> 00:16:19,670

love to hear little introduction what

382

00:16:26,290 --> 00:16:21,730

what do you have to say for yourself sir

383

00:16:29,860 --> 00:16:26,300

well um I indeed I am one of the

384

00:16:31,480 --> 00:16:29,870

cameraman for Mythbusters and I've been

385

00:16:35,740 --> 00:16:31,490

with the show for about nine years now

386

00:16:38,829 --> 00:16:35,750

Wow and you know I mean for me it was I

387

00:16:41,260 --> 00:16:38,839

mean really a dream come true to to get

388

00:16:44,190 --> 00:16:41,270

that job and I've sort of worked my way

389

00:16:46,870 --> 00:16:44,200

up I started actually as an intern and

390

00:16:49,120 --> 00:16:46,880

now I'm one of the one of the camera

391

00:16:52,180 --> 00:16:49,130

operators so I've I'm feel very

392

00:16:56,050 --> 00:16:52,190

fortunate to be where I am today but for

393

00:16:58,420 --> 00:16:56,060

me it's really a cool opportunity i mean

394

00:17:00,940 --> 00:16:58,430

it's it's been kind of a dream for the

395

00:17:03,070 --> 00:17:00,950

last nine years because it's it's like

396

00:17:05,470 --> 00:17:03,080

the perfect combination of my interests

397

00:17:07,449 --> 00:17:05,480

it's a you know I I have this real

398

00:17:10,900 --> 00:17:07,459

artistic side and you know i love the

399

00:17:13,230 --> 00:17:10,910

aesthetic value of things but you know

400

00:17:16,980 --> 00:17:13,240

i'm also really into the sciences and

401  
00:17:20,169 --> 00:17:16,990  
science technology engineering and

402  
00:17:21,850 --> 00:17:20,179  
working on Mythbusters is is really a

403  
00:17:24,100 --> 00:17:21,860  
combination of those things you know I'm

404  
00:17:26,140 --> 00:17:24,110  
doing I'm doing camera work which is

405  
00:17:27,600 --> 00:17:26,150  
very much an art but at the same time

406  
00:17:30,370 --> 00:17:27,610  
we're doing you know really cool

407  
00:17:32,530 --> 00:17:30,380  
experiments and you know all the while

408  
00:17:35,470 --> 00:17:32,540  
that were that we're making the show you

409  
00:17:37,830 --> 00:17:35,480  
know I'm learning so much about you know

410  
00:17:42,310 --> 00:17:37,840  
technology science in our world and so

411  
00:17:43,990 --> 00:17:42,320  
it's been really cool and you know you

412  
00:17:48,130 --> 00:17:44,000  
know I've been really fortunate to have

413  
00:17:50,530 --> 00:17:48,140

the job but but yeah you know k

414

00:17:52,840 --> 00:17:50,540

work is what I do professionally but you

415

00:17:54,610 --> 00:17:52,850

know I like I said I also always you

416

00:17:58,180 --> 00:17:54,620

know I'm always sort of investigating

417

00:18:01,300 --> 00:17:58,190

you know topics of Engineering and

418

00:18:04,110 --> 00:18:01,310

Technology and you know that has sort of

419

00:18:07,210 --> 00:18:04,120

letting led me to get into the whole

420

00:18:09,400 --> 00:18:07,220

drone revolution that you know I'm sure

421

00:18:12,850 --> 00:18:09,410

you know everyone out there is starting

422

00:18:14,800 --> 00:18:12,860

to become aware of yeah and and I want

423

00:18:16,870 --> 00:18:14,810

to definitely get to the drone stuff I

424

00:18:19,810 --> 00:18:16,880

think that is probably going to be the

425

00:18:21,520 --> 00:18:19,820

the main part of our conversation today

426

00:18:23,830 --> 00:18:21,530

because there's just so much to talk

427

00:18:26,560 --> 00:18:23,840

about with all the new laws that are

428

00:18:28,870 --> 00:18:26,570

coming out or trying to be created sort

429

00:18:30,700 --> 00:18:28,880

of the uprising of the drones some

430

00:18:32,890 --> 00:18:30,710

people are afraid of it some people

431

00:18:35,500 --> 00:18:32,900

think it's the best thing to come out

432

00:18:37,960 --> 00:18:35,510

since sliced bread and I definitely want

433

00:18:40,690 --> 00:18:37,970

to get there um but just maybe for the

434

00:18:42,850 --> 00:18:40,700

next ten minutes before before our first

435

00:18:45,640 --> 00:18:42,860

break for the show I'd love to know a

436

00:18:48,070 --> 00:18:45,650

little bit more about you know what

437

00:18:50,290 --> 00:18:48,080

you've worked on on Mythbusters or have

438

00:18:53,340 --> 00:18:50,300

there been any paranormal episodes that

439

00:18:57,490 --> 00:18:53,350

that you have been a part of that you've

440

00:19:02,050 --> 00:18:57,500

really been interested in or that have

441

00:19:04,360 --> 00:19:02,060

turned some heads or you know anything

442

00:19:07,570 --> 00:19:04,370

that that you can think of that's just

443

00:19:11,440 --> 00:19:07,580

been kind of cool and out there that you

444

00:19:14,950 --> 00:19:11,450

guys have helped bring to light sure

445

00:19:18,400 --> 00:19:14,960

well you know i mean the paranormal is

446

00:19:20,110 --> 00:19:18,410

definitely you know a topic that that

447

00:19:22,930 --> 00:19:20,120

turns a lot of heads you know especially

448

00:19:25,930 --> 00:19:22,940

amongst the scientific community and so

449

00:19:27,340 --> 00:19:25,940

you know most and actually right there

450

00:19:29,800 --> 00:19:27,350

if I could stop you just for a second

451  
00:19:31,600 --> 00:19:29,810  
I'm sir you know untruth wonders we we

452  
00:19:34,110 --> 00:19:31,610  
look at both sides of things and it's

453  
00:19:36,580 --> 00:19:34,120  
really important that we kind of get the

454  
00:19:39,520 --> 00:19:36,590  
paranormal point of view as well as a

455  
00:19:42,070 --> 00:19:39,530  
scientific point of view and we had dr.

456  
00:19:45,610 --> 00:19:42,080  
David Schwartz from the USGS on you know

457  
00:19:47,920 --> 00:19:45,620  
one week and then we had suspicious

458  
00:19:50,890 --> 00:19:47,930  
observers on the next week and just

459  
00:19:53,650 --> 00:19:50,900  
seeing kind of both sides so I one thing

460  
00:19:57,310 --> 00:19:53,660  
that I think is interesting is that no

461  
00:19:59,260 --> 00:19:57,320  
Mythbusters tries to look at myths to so

462  
00:20:01,240 --> 00:19:59,270  
didn't mean to cut you off but I just

463  
00:20:01,810 --> 00:20:01,250

wanted to say that we're interested in

464

00:20:04,300 --> 00:20:01,820

in

465

00:20:06,160 --> 00:20:04,310

all sides of the spectrum here we just

466

00:20:08,950 --> 00:20:06,170

want to know the truth and I think

467

00:20:11,950 --> 00:20:08,960

that's one thing that Mythbusters tries

468

00:20:13,780 --> 00:20:11,960

to do and I think some people don't you

469

00:20:15,700 --> 00:20:13,790

know might not agree with everything but

470

00:20:19,300 --> 00:20:15,710

it's really interesting to see it all

471

00:20:21,970 --> 00:20:19,310

happen you know what no matter what side

472

00:20:26,020 --> 00:20:21,980

of the fence people might be on sure

473

00:20:29,380 --> 00:20:26,030

well you know we in producing the show

474

00:20:32,370 --> 00:20:29,390

we we do our best to adhere to the

475

00:20:34,360 --> 00:20:32,380

scientific method and you know

476  
00:20:37,870 --> 00:20:34,370  
everything you know all the experiments

477  
00:20:41,950 --> 00:20:37,880  
we do are real and thought out and you

478  
00:20:43,960 --> 00:20:41,960  
know we base our results on on the you

479  
00:20:45,700 --> 00:20:43,970  
know the evidence that we get and you

480  
00:20:49,090 --> 00:20:45,710  
know the data from our experiments and

481  
00:20:51,100 --> 00:20:49,100  
then we you know we we determine the

482  
00:20:54,700 --> 00:20:51,110  
plausibility of the myth based on our

483  
00:20:56,890 --> 00:20:54,710  
experimental results and of course you

484  
00:20:59,170 --> 00:20:56,900  
know in you know in the in the

485  
00:21:01,810 --> 00:20:59,180  
scientific method you know you can only

486  
00:21:03,400 --> 00:21:01,820  
ever have a theory until you know

487  
00:21:07,000 --> 00:21:03,410  
somebody comes out with and with a

488  
00:21:09,610 --> 00:21:07,010

better theory show them and you know I

489

00:21:11,980 --> 00:21:09,620

mean I guess you know one of the things

490

00:21:14,050 --> 00:21:11,990

that that I feel like you know that I'd

491

00:21:17,530 --> 00:21:14,060

like to share is sort of the there have

492

00:21:20,290 --> 00:21:17,540

been a number of myths that you know the

493

00:21:25,210 --> 00:21:20,300

most interesting ones to me are the ones

494

00:21:28,720 --> 00:21:25,220

that have a result that is glaringly

495

00:21:30,580 --> 00:21:28,730

obvious and you know when we when we

496

00:21:32,500 --> 00:21:30,590

start you know and of course I'll

497

00:21:35,500 --> 00:21:32,510

preface this all by saying you know

498

00:21:37,350 --> 00:21:35,510

these are all my opinions and you know I

499

00:21:40,860 --> 00:21:37,360

don't want to I don't want to represent

500

00:21:44,050 --> 00:21:40,870

you know the you know the opinions of

501  
00:21:47,320 --> 00:21:44,060  
Mythbusters the the show but sure you

502  
00:21:49,560 --> 00:21:47,330  
know for me personally you know a lot of

503  
00:21:52,840 --> 00:21:49,570  
times we'll go into these stories and

504  
00:21:56,170 --> 00:21:52,850  
you know the myth is is there for us to

505  
00:21:58,500 --> 00:21:56,180  
for us to investigate and you know

506  
00:22:01,030 --> 00:21:58,510  
initially you know they're you kind of

507  
00:22:03,220 --> 00:22:01,040  
you have that feeling like oh well you

508  
00:22:05,200 --> 00:22:03,230  
know that sounds kind of far-fetched or

509  
00:22:07,530 --> 00:22:05,210  
you know that you know that that sounds

510  
00:22:09,700 --> 00:22:07,540  
almost silly it you know at times and

511  
00:22:13,420 --> 00:22:09,710  
you know then you start investigating

512  
00:22:15,549 --> 00:22:13,430  
these stories and and sort of the most

513  
00:22:19,200 --> 00:22:15,559

gratifying ones are when

514

00:22:22,450 --> 00:22:19,210

when the result you know happens and

515

00:22:24,789 --> 00:22:22,460

you're kind of shocked you're like wow

516

00:22:27,279 --> 00:22:24,799

like I can't believe that that actually

517

00:22:30,070 --> 00:22:27,289

happened the way that you know people

518

00:22:32,919 --> 00:22:30,080

thought it might have happened so so

519

00:22:36,009 --> 00:22:32,929

what's a good example of that well 11

520

00:22:39,789 --> 00:22:36,019

funny one that we did a while back was

521

00:22:42,460 --> 00:22:39,799

the myth of the falling blue ice so I

522

00:22:43,930 --> 00:22:42,470

can't recall where where it happened but

523

00:22:47,019 --> 00:22:43,940

somewhere in the middle of the country

524

00:22:51,489 --> 00:22:47,029

uh people all of a sudden started

525

00:22:54,489 --> 00:22:51,499

reporting that large chunks of blue ice

526  
00:22:56,889 --> 00:22:54,499  
were falling out of the sky and you know

527  
00:22:58,210 --> 00:22:56,899  
either crashing through their roofs you

528  
00:22:59,950 --> 00:22:58,220  
know i think i think if i remember

529  
00:23:02,109 --> 00:22:59,960  
correctly you know somebody had this

530  
00:23:04,029 --> 00:23:02,119  
chunk of blue ice fall through her roof

531  
00:23:05,950 --> 00:23:04,039  
and you know landed in her living room

532  
00:23:09,070 --> 00:23:05,960  
and then somebody else's car maybe got

533  
00:23:11,590 --> 00:23:09,080  
hit by one and so people were like what

534  
00:23:15,039 --> 00:23:11,600  
in the world is causing this like how

535  
00:23:18,609 --> 00:23:15,049  
how's blue i like in by blue i mean very

536  
00:23:23,279 --> 00:23:18,619  
blue blue like um like a breaking bad

537  
00:23:27,970 --> 00:23:23,289  
blue yes you get that reference yes I do

538  
00:23:32,830 --> 00:23:27,980

and so you know the people like you know

539

00:23:35,320 --> 00:23:32,840

approached the FAA I recall and you know

540

00:23:37,539 --> 00:23:35,330

the FAA said oh you know we have nothing

541

00:23:39,100 --> 00:23:37,549

to do with this you know I you know you

542

00:23:40,629 --> 00:23:39,110

know you know the thought was like it

543

00:23:43,600 --> 00:23:40,639

was coming from airplanes or something

544

00:23:45,310 --> 00:23:43,610

and you know people thought you know

545

00:23:48,519 --> 00:23:45,320

maybe it's coming from airplanes I'm

546

00:23:51,249 --> 00:23:48,529

half but FAA denied it like like calm

547

00:23:55,180 --> 00:23:51,259

trails or chemtrails kind of stuff well

548

00:23:58,450 --> 00:23:55,190

the theory was proposed the connection

549

00:24:03,639 --> 00:23:58,460

was made that the toilet water in

550

00:24:06,700 --> 00:24:03,649

airplanes is blue and so yummy yeah

551  
00:24:09,399 --> 00:24:06,710  
right I'm sure everyone is familiar with

552  
00:24:11,440 --> 00:24:09,409  
that at with that blue water so yeah in

553  
00:24:15,340 --> 00:24:11,450  
the toilet in the airplane laboratories

554  
00:24:18,989 --> 00:24:15,350  
anyway the theory was proposed that if

555  
00:24:22,210 --> 00:24:18,999  
there was a slow leak out of the

556  
00:24:25,629 --> 00:24:22,220  
drainage valve on the exterior of the

557  
00:24:29,390 --> 00:24:25,639  
raft that was you know slowly dripping

558  
00:24:31,880 --> 00:24:29,400  
out blue water blue toilet water

559  
00:24:34,430 --> 00:24:31,890  
then it could potentially begin to

560  
00:24:36,770 --> 00:24:34,440  
freeze on the exterior of the aircraft

561  
00:24:41,000 --> 00:24:36,780  
when the aircraft was at altitude where

562  
00:24:43,970 --> 00:24:41,010  
you know it's very very cold land and so

563  
00:24:45,860 --> 00:24:43,980

you know so maybe a big chunk of blue

564

00:24:47,330 --> 00:24:45,870

ice you know started to form on the

565

00:24:52,180 --> 00:24:47,340

outside of the airplane and then fell

566

00:24:55,670 --> 00:24:52,190

off and so we went to a NASA facility

567

00:25:00,800 --> 00:24:55,680

where was it I think it was a Cleveland

568

00:25:02,690 --> 00:25:00,810

OH ah they have vaccine research wind

569

00:25:07,010 --> 00:25:02,700

tunnel where you know it's a wind tunnel

570

00:25:09,380 --> 00:25:07,020

where they test you know Eric banana and

571

00:25:11,450 --> 00:25:09,390

that sorry Duncan you're at you're

572

00:25:15,500 --> 00:25:11,460

making up a little bit what uh what was

573

00:25:17,510 --> 00:25:15,510

that last sentence um it was a we tested

574

00:25:20,120 --> 00:25:17,520

the myth of the blue-ice added at a NASA

575

00:25:24,620 --> 00:25:20,130

facility am i coming in okay yeah now

576

00:25:28,760 --> 00:25:24,630

you're great ok so we what we did we

577

00:25:31,010 --> 00:25:28,770

built a sort of a model of a of an

578

00:25:34,880 --> 00:25:31,020

airplane fuselage and we got the actual

579

00:25:38,150 --> 00:25:34,890

valve of a of an airplane toilet water

580

00:25:39,620 --> 00:25:38,160

drain valve and set it up in this wind

581

00:25:41,840 --> 00:25:39,630

tunnel and the wind tunnel has the

582

00:25:43,850 --> 00:25:41,850

ability to you know lower its

583

00:25:46,640 --> 00:25:43,860

temperature down to like you know minus

584

00:25:48,620 --> 00:25:46,650

60 degrees Celsius you know and they're

585

00:25:51,830 --> 00:25:48,630

able to simulate conditions of airliners

586

00:25:54,500 --> 00:25:51,840

flying at cruising altitude and so we

587

00:25:56,900 --> 00:25:54,510

you know we we had a big tank of blue

588

00:25:58,490 --> 00:25:56,910

toilet water that led down to the actual

589

00:26:03,380 --> 00:25:58,500

valve that would have been found on an

590

00:26:05,840 --> 00:26:03,390

aircraft and we we started up the wind

591

00:26:08,420 --> 00:26:05,850

tunnel you know 500 mile per hour wind

592

00:26:11,060 --> 00:26:08,430

and we lower the temperature down to you

593

00:26:13,580 --> 00:26:11,070

know I'm not sure exactly what it is but

594

00:26:17,630 --> 00:26:13,590

it's you know something negative 40

595

00:26:20,840 --> 00:26:17,640

degrees Fahrenheit and we induced a slow

596

00:26:24,970 --> 00:26:20,850

drip of this blue water and calm and

597

00:26:29,480 --> 00:26:24,980

after a period of about 30 or 40 minutes

598

00:26:31,640 --> 00:26:29,490

we had a like a soccer ball sized chunk

599

00:26:34,100 --> 00:26:31,650

of blue ice on the side of the plane or

600

00:26:37,640 --> 00:26:34,110

the side of our you know fuselage that

601  
00:26:39,320 --> 00:26:37,650  
we had built and we had this giant chunk

602  
00:26:42,020 --> 00:26:39,330  
that formed and we were all like you

603  
00:26:43,370 --> 00:26:42,030  
know kind of amazed and then we

604  
00:26:45,560 --> 00:26:43,380  
simulated

605  
00:26:48,770 --> 00:26:45,570  
what would happen when the airplane

606  
00:26:51,440 --> 00:26:48,780  
began its descent so you know we started

607  
00:26:55,160 --> 00:26:51,450  
slowly raising the temperature of the

608  
00:26:56,780 --> 00:26:55,170  
wind tunnel and you know so you know all

609  
00:26:57,980 --> 00:26:56,790  
of a sudden that the temperatures you

610  
00:27:00,860 --> 00:26:57,990  
know getting you know higher and higher

611  
00:27:03,890 --> 00:27:00,870  
and then all at once the entire chunk of

612  
00:27:06,410 --> 00:27:03,900  
blue I released from from the fuselage

613  
00:27:09,680 --> 00:27:06,420

section that we'd belt land it was just

614

00:27:13,010 --> 00:27:09,690

such a glaringly obvious result that

615

00:27:16,010 --> 00:27:13,020

this could actually have happened that I

616

00:27:19,910 --> 00:27:16,020

I think we must have called that one

617

00:27:22,100 --> 00:27:19,920

confirmed so that that's messed up and

618

00:27:24,470 --> 00:27:22,110

was did anything ever happened with the

619

00:27:27,200 --> 00:27:24,480

FAA after that or was anybody ever

620

00:27:29,150 --> 00:27:27,210

called or was there like I did people

621

00:27:31,640 --> 00:27:29,160

complain do you think do you know any of

622

00:27:36,260 --> 00:27:31,650

the story I don't I don't know any of

623

00:27:38,300 --> 00:27:36,270

the story after but but you know if I

624

00:27:41,750 --> 00:27:38,310

had to guess I think the FAA would have

625

00:27:43,310 --> 00:27:41,760

still denied it yeah sure sure but it

626

00:27:47,660 --> 00:27:43,320

who knows like I couldn't say for sure

627

00:27:52,760 --> 00:27:47,670

they tend to so you deal a lot with the

628

00:27:54,410 --> 00:27:52,770

FAA because you fly drones right you

629

00:27:58,430 --> 00:27:54,420

have to sort of comply with a lot of

630

00:28:00,890 --> 00:27:58,440

their regulations absolutely and it's a

631

00:28:04,370 --> 00:28:00,900

very gray area that we're in right now

632

00:28:09,860 --> 00:28:04,380

and you know in my experience the FAA is

633

00:28:12,980 --> 00:28:09,870

very slow to make change and a good

634

00:28:14,330 --> 00:28:12,990

thing sorry oh I was going to say and on

635

00:28:16,310 --> 00:28:14,340

that note I'm going to pause you real

636

00:28:17,930 --> 00:28:16,320

quick and we'll get back to drones right

637

00:28:19,940 --> 00:28:17,940

after we come back from the break on

638

00:28:23,480 --> 00:28:19,950

truth funders radio you are listening

639

00:28:26,900 --> 00:28:23,490

right now to Duncan Clark drone operator

640

00:28:29,150 --> 00:28:26,910

and Mythbusters cameraman and mark

641

00:28:32,180 --> 00:28:29,160

schwartz CEO of truth funders and we'll

642

00:28:35,820 --> 00:28:32,190

be back right after this truth funders

643

00:28:38,130 --> 00:28:35,830

radio on the inception radio network

644

00:28:40,590 --> 00:28:38,140

truth thunders was started as a place to

645

00:28:43,019 --> 00:28:40,600

shine a spotlight on paranormal projects

646

00:28:45,330 --> 00:28:43,029

other big-name crowdfunding sites very

647

00:28:47,580 --> 00:28:45,340

paranormal projects that contain UFO

648

00:28:49,680 --> 00:28:47,590

ghosts Bigfoot research documentaries

649

00:28:51,600 --> 00:28:49,690

books clothes movies and more absolute

650

00:28:53,730 --> 00:28:51,610

funders we invite people it's not just

651  
00:28:55,680 --> 00:28:53,740  
listen to our show but interact and do

652  
00:28:58,320 --> 00:28:55,690  
something about it you can create a

653  
00:29:01,019 --> 00:28:58,330  
project yes you listening to the radio

654  
00:29:04,620 --> 00:29:01,029  
right now you can make a difference stop

655  
00:29:07,409 --> 00:29:04,630  
dreaming and take action at wwu spongers

656  
00:29:09,629 --> 00:29:07,419  
calm click create a project and submit

657  
00:29:11,490 --> 00:29:09,639  
your idea or browse the other paranormal

658  
00:29:13,470 --> 00:29:11,500  
initiatives that other brave souls that

659  
00:29:15,480 --> 00:29:13,480  
put their energy into support them as

660  
00:29:17,490 --> 00:29:15,490  
they reach into their creative spirit

661  
00:29:19,200 --> 00:29:17,500  
and turn their passion into progress

662  
00:29:20,940 --> 00:29:19,210  
each donation you will make you will

663  
00:29:23,669 --> 00:29:20,950

receive something in return throw a book

664

00:29:25,230 --> 00:29:23,679

to DVD to a Roswell i-beam in plenty

665

00:29:27,389 --> 00:29:25,240

more you don't have to scratch to donate

666

00:29:29,279 --> 00:29:27,399

fine share anywhere you can from

667

00:29:31,169 --> 00:29:29,289

Facebook to Twitter or blog about it

668

00:29:33,149 --> 00:29:31,179

that's free and it helps support a

669

00:29:36,060 --> 00:29:33,159

community of people that not only want

670

00:29:38,759 --> 00:29:36,070

but need to get the word out we are not

671

00:29:40,440 --> 00:29:38,769

alone we are a community we need to

672

00:29:42,000 --> 00:29:40,450

believe in each other as much as we

673

00:29:43,980 --> 00:29:42,010

believe that there's more to life than

674

00:29:46,250 --> 00:29:43,990

meets the eye help support a project on

675

00:29:53,190 --> 00:29:46,260

shoe phonics or create your own today at

676  
00:29:55,649 --> 00:29:53,200  
wwu funders com hello everyone Lori and

677  
00:29:58,950 --> 00:29:55,659  
Fenton here hosted the California MUFON

678  
00:30:01,379 --> 00:29:58,960  
radio show asking if you'd like special

679  
00:30:04,889 --> 00:30:01,389  
access to exclusive and amazing

680  
00:30:08,010 --> 00:30:04,899  
information about UFOs the paranormal

681  
00:30:11,160 --> 00:30:08,020  
and all things unexplained

682  
00:30:14,010 --> 00:30:11,170  
nodding yes then join I rn's insider

683  
00:30:16,230 --> 00:30:14,020  
club as an insider club member you'll

684  
00:30:19,080 --> 00:30:16,240  
get an all-access pass to premier

685  
00:30:21,240 --> 00:30:19,090  
inception radio network content for only

686  
00:30:24,540 --> 00:30:21,250  
four dollars and ninety-nine cents a

687  
00:30:27,030 --> 00:30:24,550  
month this includes live UFO and

688  
00:30:30,870 --> 00:30:27,040

paranormal conferences live streaming

689

00:30:33,600 --> 00:30:30,880

UFO sky watches exclusive in radio and

690

00:30:36,840 --> 00:30:33,610

TV productions and of course paying

691

00:30:39,270 --> 00:30:36,850

radio with MJ and Ken Storch so don't

692

00:30:42,300 --> 00:30:39,280

wait any longer visit inception radio

693

00:30:46,050 --> 00:30:42,310

network calm and click on member login

694

00:30:50,590 --> 00:30:46,060

to join I rn's insider club and get your

695

00:30:54,700 --> 00:30:52,900

don't have a computer is your internet

696

00:30:56,529 --> 00:30:54,710

connection down don't worry use your

697

00:31:00,159 --> 00:30:56,539

trusty cellphone or landline and call in

698

00:31:01,750 --> 00:31:00,169

to our listen line at 4012 a 367 00 to

699

00:31:05,680 --> 00:31:01,760

listen to the inception radio network

700

00:31:09,010 --> 00:31:05,690

24-7 again that Colin number is 40 1 2 a

701  
00:31:13,740 --> 00:31:09,020  
3 6 700 for the inception radio network

702  
00:31:19,330 --> 00:31:16,540  
hello inception radio network listeners

703  
00:31:21,160 --> 00:31:19,340  
this is Amanda remember you can take

704  
00:31:23,290 --> 00:31:21,170  
your inception radio shows on the go

705  
00:31:26,140 --> 00:31:23,300  
just download the inception radio

706  
00:31:28,720 --> 00:31:26,150  
network app for your iPhone iPad or

707  
00:31:31,240 --> 00:31:28,730  
Android smartphones and access live

708  
00:31:33,760 --> 00:31:31,250  
shows past shows guest lineups and much

709  
00:31:35,530 --> 00:31:33,770  
more just visit the itunes store or the

710  
00:31:41,050 --> 00:31:35,540  
google play marketplace and download it

711  
00:31:43,150 --> 00:31:41,060  
today for free you didn't forget what's

712  
00:31:44,860 --> 00:31:43,160  
coming up tonight did you hi inception

713  
00:31:46,690 --> 00:31:44,870

radio network listeners this is Amanda

714

00:31:48,220 --> 00:31:46,700

never miss that interview you were

715

00:31:51,040 --> 00:31:48,230

looking forward to or the show on your

716

00:31:54,100 --> 00:31:51,050

favorite topic follow irn on twitter i

717

00:31:55,900 --> 00:31:54,110

underscore our underscore n I get

718

00:31:57,640 --> 00:31:55,910

reminders about the evenings live shows

719

00:32:00,100 --> 00:31:57,650

as well as fun and important updates

720

00:32:02,710 --> 00:32:00,110

throughout the week that's i underscore

721

00:32:14,060 --> 00:32:02,720

our underscore n and never miss a great

722

00:32:19,170 --> 00:32:17,460

yrn listeners this is MJ saying hello

723

00:32:22,040 --> 00:32:19,180

and sharing an awesome secret I

724

00:32:24,870 --> 00:32:22,050

discovered it's called dream lodge calm

725

00:32:27,270 --> 00:32:24,880

fresh raw organic ingredients are used

726

00:32:29,460 --> 00:32:27,280

to create all their products they are

727

00:32:32,190 --> 00:32:29,470

made in very small batches to ensure

728

00:32:35,220 --> 00:32:32,200

quality and freshness and made in the

729

00:32:36,830 --> 00:32:35,230

USA each product is created with care

730

00:32:39,360 --> 00:32:36,840

and with the finest organic ingredients

731

00:32:42,210 --> 00:32:39,370

there are no preservatives dyes or

732

00:32:49,040 --> 00:32:42,220

chemicals in any product stop by dream

733

00:32:55,890 --> 00:32:49,050

lodge and lacs that's dr e am nua GE com

734

00:33:02,530 --> 00:32:58,930

you're locked into inception radio

735

00:33:20,940 --> 00:33:02,540

network superior Wisconsin truth funders

736

00:33:23,440 --> 00:33:20,950

radio on the inception radio network and

737

00:33:25,570 --> 00:33:23,450

welcome back to truth funders radio this

738

00:33:29,770 --> 00:33:25,580

is mark Schwartz CEO of truth funders

739

00:33:32,710 --> 00:33:29,780

and with me online live is Duncan Clark

740

00:33:35,080 --> 00:33:32,720

and Duncan is cameraman for the very

741

00:33:38,080 --> 00:33:35,090

popular television show MythBusters he

742

00:33:39,970 --> 00:33:38,090

is also a drone operator and so right

743

00:33:42,880 --> 00:33:39,980

before we went to break we started

744

00:33:45,280 --> 00:33:42,890

talking about drones so I want to bring

745

00:33:47,500 --> 00:33:45,290

that back up and once again if you have

746

00:33:49,330 --> 00:33:47,510

a question that you want to ask Duncan

747

00:33:51,250 --> 00:33:49,340

regarding something that you might have

748

00:33:53,500 --> 00:33:51,260

seen on Mythbusters or about drones

749

00:33:55,300 --> 00:33:53,510

please feel free to call in this might

750

00:33:57,460 --> 00:33:55,310

be your only chance to get some burning

751  
00:33:59,530 --> 00:33:57,470  
questions that you've you've wanted to

752  
00:34:06,570 --> 00:33:59,540  
have answered for a while you can call

753  
00:34:10,180 --> 00:34:06,580  
in at 8 8 8 9 192 355 that's 8 8 8 9 192

754  
00:34:11,770 --> 00:34:10,190  
355 so Duncan right before we went to

755  
00:34:13,930 --> 00:34:11,780  
break you were starting to talk a little

756  
00:34:15,970 --> 00:34:13,940  
bit about drones would you like to tell

757  
00:34:18,070 --> 00:34:15,980  
us a little bit about how you got into

758  
00:34:19,810 --> 00:34:18,080  
them and then maybe we'll head into some

759  
00:34:22,780 --> 00:34:19,820  
of the the things that you're noticing

760  
00:34:25,270 --> 00:34:22,790  
with FAA and and some of the new laws

761  
00:34:27,430 --> 00:34:25,280  
that are starting to crop up absolutely

762  
00:34:31,990 --> 00:34:27,440  
well I've been interested in aviation

763  
00:34:34,120 --> 00:34:32,000

for a very long time and with that I

764

00:34:37,570 --> 00:34:34,130

sort of started getting into radio

765

00:34:39,640 --> 00:34:37,580

controlled aircraft and you know I was

766

00:34:41,410 --> 00:34:39,650

doing that for a while and you know also

767

00:34:44,410 --> 00:34:41,420

you know doing camera work

768

00:34:47,530 --> 00:34:44,420

professionally and you know it wasn't

769

00:34:53,290 --> 00:34:47,540

long before I started putting cameras on

770

00:34:55,330 --> 00:34:53,300

radio controlled airplanes and and so

771

00:34:58,560 --> 00:34:55,340

somewhere along the line you know

772

00:35:01,330 --> 00:34:58,570

probably about five years ago or so

773

00:35:03,720 --> 00:35:01,340

multi-rotor helicopter started coming on

774

00:35:06,340 --> 00:35:03,730

the scene and you know I might add that

775

00:35:08,980 --> 00:35:06,350

you know there have there have been

776

00:35:12,310 --> 00:35:08,990

people doing aerial cinematography

777

00:35:15,000 --> 00:35:12,320

aerial camera work with you know radio

778

00:35:17,859 --> 00:35:15,010

controlled helicopters for some time but

779

00:35:19,810 --> 00:35:17,869

it's the the technology that has come

780

00:35:23,260 --> 00:35:19,820

about more recently that has really

781

00:35:26,950 --> 00:35:23,270

enabled some spectacular you know the

782

00:35:30,880 --> 00:35:26,960

ability to get spectacular results you

783

00:35:32,670 --> 00:35:30,890

know with a radio-controlled drone as as

784

00:35:35,830 --> 00:35:32,680

you know people have been calling

785

00:35:39,310 --> 00:35:35,840

literally the longest time I really

786

00:35:42,160 --> 00:35:39,320

didn't like the the word drone because

787

00:35:45,250 --> 00:35:42,170

to me it sort of him well it kind of

788

00:35:47,710 --> 00:35:45,260

implies a you know sort of an autonomous

789

00:35:50,170 --> 00:35:47,720

military you know surveillance and

790

00:35:51,460 --> 00:35:50,180

attack vehicle you know I mean I guess

791

00:35:52,930 --> 00:35:51,470

that's probably just because you know we

792

00:35:55,030 --> 00:35:52,940

see in the news you know the military

793

00:35:58,150 --> 00:35:55,040

you know sending drones to Afghanistan

794

00:35:59,920 --> 00:35:58,160

and so forth um you know where is you

795

00:36:02,410 --> 00:35:59,930

know yeah that's actually what I think

796

00:36:05,200 --> 00:36:02,420

about you know I think I think people

797

00:36:07,720 --> 00:36:05,210

think about drones coming in and spying

798

00:36:10,660 --> 00:36:07,730

on people through windows drones

799

00:36:12,160 --> 00:36:10,670

listening in to people you know cops

800

00:36:14,710 --> 00:36:12,170

have a whole bunch of drones now and

801  
00:36:19,240 --> 00:36:14,720  
people also think about drones as you

802  
00:36:22,080 --> 00:36:19,250  
know going into like Iran or Iraq sorry

803  
00:36:25,150 --> 00:36:22,090  
and you know bombing a bunch of people

804  
00:36:27,849 --> 00:36:25,160  
so if they have kind of the word drone

805  
00:36:30,430 --> 00:36:27,859  
definitely has a strange ring to it it

806  
00:36:31,810 --> 00:36:30,440  
sounds ominous yeah I feel like you know

807  
00:36:34,570 --> 00:36:31,820  
it sort of has a negative connotation

808  
00:36:36,910 --> 00:36:34,580  
and you know the the way that I use

809  
00:36:38,830 --> 00:36:36,920  
drones I mean as you can see I've

810  
00:36:40,720 --> 00:36:38,840  
completely started using the term

811  
00:36:43,630 --> 00:36:40,730  
because it sort of just taken hold in

812  
00:36:46,150 --> 00:36:43,640  
the in the public eye but you know when

813  
00:36:48,010 --> 00:36:46,160

I'm operating a drone it is in no way

814

00:36:49,930 --> 00:36:48,020

autonomous at all you know I'm in

815

00:36:53,349 --> 00:36:49,940

complete control of it the whole that

816

00:36:55,359 --> 00:36:53,359

you know all the time that being said

817

00:36:58,570 --> 00:36:55,369

the the technology has gotten this to a

818

00:37:01,150 --> 00:36:58,580

point where you know if if a problem

819

00:37:03,630 --> 00:37:01,160

should arise say you know you fly too

820

00:37:06,609 --> 00:37:03,640

far away and you go out of radio range

821

00:37:08,560 --> 00:37:06,619

the drones you know these days do have

822

00:37:10,930 --> 00:37:08,570

the ability to go into an autonomous

823

00:37:13,450 --> 00:37:10,940

mode and return to you and land

824

00:37:16,480 --> 00:37:13,460

automatically which is you know a really

825

00:37:18,640 --> 00:37:16,490

nice feature to have you know

826

00:37:22,440 --> 00:37:18,650

additionally there you know it's also

827

00:37:25,630 --> 00:37:22,450

very accessible and and easy to adapt

828

00:37:27,190 --> 00:37:25,640

you know autonomous functions and you

829

00:37:30,430 --> 00:37:27,200

know it's just remarkable you know how

830

00:37:31,809 --> 00:37:30,440

how quickly the technology is moving you

831

00:37:34,569 --> 00:37:31,819

know before I was talking about people

832

00:37:38,109 --> 00:37:34,579

doing aerial cinematography with with

833

00:37:39,609 --> 00:37:38,119

radio controlled helicopters and you

834

00:37:42,250 --> 00:37:39,619

know they're there were certainly a lot

835

00:37:45,250 --> 00:37:42,260

of really you know there was you know

836

00:37:48,870 --> 00:37:45,260

good good material you know produced

837

00:37:51,849 --> 00:37:48,880

from from you know that sort of platform

838

00:37:55,359 --> 00:37:51,859

but you know as you know one of one of

839

00:37:57,760 --> 00:37:55,369

the big you know things to change in

840

00:38:01,480 --> 00:37:57,770

more recent years is battery technology

841

00:38:04,470 --> 00:38:01,490

and ice you know up until recently if

842

00:38:07,990 --> 00:38:04,480

you wanted to lift you know any you know

843

00:38:10,809 --> 00:38:08,000

reasonably heavy camera or you know

844

00:38:13,809 --> 00:38:10,819

payload you need to use gasoline engine

845

00:38:16,450 --> 00:38:13,819

and there you know they can be very loud

846

00:38:18,609 --> 00:38:16,460

and you know there are a lot of

847

00:38:20,829 --> 00:38:18,619

downsides to those whereas now you know

848

00:38:23,200 --> 00:38:20,839

we're seeing the energy density of

849

00:38:28,599 --> 00:38:23,210

batteries you know getting a lot better

850

00:38:31,059 --> 00:38:28,609

and and you know so you know what some

851  
00:38:34,079 --> 00:38:31,069  
of the things that that have sort of

852  
00:38:37,450 --> 00:38:34,089  
come into existence with these drones is

853  
00:38:39,700 --> 00:38:37,460  
you know combination of the the battery

854  
00:38:43,030 --> 00:38:39,710  
technology that's allowing for longer

855  
00:38:46,960 --> 00:38:43,040  
flight times with you know clean quieter

856  
00:38:49,470 --> 00:38:46,970  
electric power and then the the sensor

857  
00:38:53,020 --> 00:38:49,480  
technology is is the other thing that is

858  
00:38:55,839 --> 00:38:53,030  
has made it possible and interestingly

859  
00:38:58,450 --> 00:38:55,849  
and you know I impossible as well as

860  
00:39:01,180 --> 00:38:58,460  
affordable which i think is one of the

861  
00:39:03,760 --> 00:39:01,190  
big things to touch on you know

862  
00:39:05,680 --> 00:39:03,770  
everybody nowadays has their as their

863  
00:39:07,990 --> 00:39:05,690

smartphone with you know internal

864

00:39:10,109 --> 00:39:08,000

sensors you know they have internal

865

00:39:14,200 --> 00:39:10,119

accelerometers and gyroscopes that

866

00:39:16,900 --> 00:39:14,210

essentially give your phone you know it

867

00:39:19,000 --> 00:39:16,910

knows its orientation in space you know

868

00:39:20,950 --> 00:39:19,010

and and I just want to say real quick

869

00:39:24,460 --> 00:39:20,960

Duncan for those of you listening right

870

00:39:26,799 --> 00:39:24,470

now if you go to Facebook and go to

871

00:39:28,930 --> 00:39:26,809

truth funders on facebook you will see a

872

00:39:32,049 --> 00:39:28,940

picture of Duncan holding one of his

873

00:39:34,470 --> 00:39:32,059

drone cameras on facebook now it's at a

874

00:39:36,190 --> 00:39:34,480

strange angle because it was recorded

875

00:39:38,170 --> 00:39:36,200

oblong and sideways

876

00:39:39,910 --> 00:39:38,180

is but you will be able to see some of

877

00:39:43,030 --> 00:39:39,920

the drones that he is talking about

878

00:39:47,650 --> 00:39:43,040

right now as well as some of the sensors

879

00:39:51,040 --> 00:39:47,660

that he's discussing um so uh you know

880

00:39:53,440 --> 00:39:51,050

and the the you know the cell phone

881

00:39:55,359 --> 00:39:53,450

technology has made you know all of this

882

00:39:58,990 --> 00:39:55,369

affordable because it's it's in the mass

883

00:40:00,940 --> 00:39:59,000

market and you know it's glorious and so

884

00:40:04,180 --> 00:40:00,950

I'll talk a little bit about you know

885

00:40:05,890 --> 00:40:04,190

the benefits to these multi rotor drones

886

00:40:08,410 --> 00:40:05,900

that you know are sort of the most

887

00:40:12,040 --> 00:40:08,420

common that we're seeing out there these

888

00:40:13,180 --> 00:40:12,050

days so pretty much that they operate

889

00:40:15,910 --> 00:40:13,190

you know they have a flight controller

890

00:40:18,609 --> 00:40:15,920

that you know that uses a you know

891

00:40:22,390 --> 00:40:18,619

combination of you know accelerometers

892

00:40:25,720 --> 00:40:22,400

gyroscopes GPS antennas as well as as

893

00:40:28,900 --> 00:40:25,730

magnetic compasses and barometers that

894

00:40:32,920 --> 00:40:28,910

pretty much make the craft aware of its

895

00:40:34,180 --> 00:40:32,930

orientation in space and you know is it

896

00:40:37,210 --> 00:40:34,190

the same sort of thing that they're

897

00:40:40,660 --> 00:40:37,220

using on the new Google car that the

898

00:40:43,510 --> 00:40:40,670

driverless Google car I'm sure a lot of

899

00:40:46,720 --> 00:40:43,520

the technology is the same certainly GPS

900

00:40:48,819 --> 00:40:46,730

and you know you know I know that there

901  
00:40:51,130 --> 00:40:48,829  
are there are a lot of autonomous cars

902  
00:40:55,630 --> 00:40:51,140  
and other vehicles that incorporate

903  
00:40:57,910 --> 00:40:55,640  
other technology radar sonar you know

904  
00:41:00,760 --> 00:40:57,920  
all these you know various sensors and

905  
00:41:03,609 --> 00:41:00,770  
technologies that increase the you know

906  
00:41:06,730 --> 00:41:03,619  
the situational awareness of the vehicle

907  
00:41:08,380 --> 00:41:06,740  
and you know we're starting to see some

908  
00:41:10,359 --> 00:41:08,390  
of those more advanced technologies

909  
00:41:12,069 --> 00:41:10,369  
implemented in you know some of the

910  
00:41:15,670 --> 00:41:12,079  
drones that we're seeing out on the

911  
00:41:20,140 --> 00:41:15,680  
market today and you know it's certainly

912  
00:41:23,890 --> 00:41:20,150  
a big it's a it's a huge hobbyist you

913  
00:41:25,690 --> 00:41:23,900

know the area as well and you know a lot

914

00:41:29,230 --> 00:41:25,700

of this stuff is being pioneered by the

915

00:41:32,700 --> 00:41:29,240

hobbyist and you know just the ability

916

00:41:34,809 --> 00:41:32,710

these days for you know there to be

917

00:41:36,339 --> 00:41:34,819

communication between people you know I

918

00:41:39,130 --> 00:41:36,349

mean we were talking about online dating

919

00:41:41,680 --> 00:41:39,140

or a little bit earlier and you know i

920

00:41:43,510 --> 00:41:41,690

mean the internet and you know social

921

00:41:47,290 --> 00:41:43,520

media and you know all these things you

922

00:41:50,230 --> 00:41:47,300

know the ability for people to come

923

00:41:52,150 --> 00:41:50,240

together share ideas and

924

00:41:55,870 --> 00:41:52,160

you know pretty much just you know it

925

00:41:57,780 --> 00:41:55,880

really is an effective way of pushing

926  
00:42:00,280 --> 00:41:57,790  
the technology when you can combine

927  
00:42:03,490 --> 00:42:00,290  
different ideas and different minds

928  
00:42:05,020 --> 00:42:03,500  
together absolutely so so do you find

929  
00:42:07,240 --> 00:42:05,030  
that people are building their own

930  
00:42:09,880 --> 00:42:07,250  
drones that their it's not just store

931  
00:42:12,310 --> 00:42:09,890  
box store bought stuff like right out of

932  
00:42:15,400 --> 00:42:12,320  
the box and they're using them and what

933  
00:42:18,730 --> 00:42:15,410  
are they using them for or they are they

934  
00:42:22,270 --> 00:42:18,740  
creating their own drones that do things

935  
00:42:25,180 --> 00:42:22,280  
that they you know want them to do just

936  
00:42:26,859 --> 00:42:25,190  
out of their own creativity like a not

937  
00:42:29,620 --> 00:42:26,869  
just a camera but are they used for

938  
00:42:32,370 --> 00:42:29,630

other other purposes as well absolutely

939

00:42:36,190 --> 00:42:32,380

I mean you know I think there's a huge

940

00:42:42,250 --> 00:42:36,200

hobbyist you know industry for this kind

941

00:42:43,660 --> 00:42:42,260

of thing and you know I mean when I you

942

00:42:45,609 --> 00:42:43,670

know it was really cool when I you know

943

00:42:50,560 --> 00:42:45,619

and I certainly still consider myself a

944

00:42:52,330 --> 00:42:50,570

hobbyist and you know when I one of the

945

00:42:55,420 --> 00:42:52,340

things that really sort of got me into

946

00:42:57,580 --> 00:42:55,430

the whole camera work thing was fpv

947

00:43:00,190 --> 00:42:57,590

radio control flying which stands for

948

00:43:03,450 --> 00:43:00,200

first person view and so pretty much

949

00:43:05,740 --> 00:43:03,460

people started putting cameras that

950

00:43:08,380 --> 00:43:05,750

transmitted the video down to them on

951  
00:43:11,050 --> 00:43:08,390  
the ground and you know pretty much

952  
00:43:14,400 --> 00:43:11,060  
enables you to fly a radio-controlled

953  
00:43:16,930 --> 00:43:14,410  
aircraft from a pilot's perspective and

954  
00:43:20,859 --> 00:43:16,940  
you know that was just the coolest thing

955  
00:43:23,500 --> 00:43:20,869  
to me to be able to do that and you know

956  
00:43:30,330 --> 00:43:23,510  
oh it's getting better and better all

957  
00:43:35,200 --> 00:43:30,340  
the time I saw something online a guy

958  
00:43:39,460 --> 00:43:35,210  
built a a an FP v radio-control airplane

959  
00:43:42,340 --> 00:43:39,470  
and utilized directional antennas to be

960  
00:43:44,080 --> 00:43:42,350  
able to you know get you know an invidi

961  
00:43:48,580 --> 00:43:44,090  
o image as well as be able to control

962  
00:43:53,710 --> 00:43:48,590  
the airplane from really far away and he

963  
00:43:55,599 --> 00:43:53,720

sent it up on a gas balloon you know so

964

00:43:59,920 --> 00:43:55,609

he launched it from Earth on a gas

965

00:44:03,010 --> 00:43:59,930

balloon and sent this thing up into I

966

00:44:03,970 --> 00:44:03,020

don't know exactly the altitude that he

967

00:44:08,890 --> 00:44:03,980

achieved

968

00:44:12,060 --> 00:44:08,900

but it was I would guess you know above

969

00:44:15,520 --> 00:44:12,070

fifty thousand feet or more um

970

00:44:17,980 --> 00:44:15,530

potentially you know even I mean when

971

00:44:22,180 --> 00:44:17,990

you see the video he might as well be in

972

00:44:25,750 --> 00:44:22,190

what you consider outer space and still

973

00:44:29,890 --> 00:44:25,760

was able to have radio control and video

974

00:44:35,349 --> 00:44:29,900

from his airplane and so so do you think

975

00:44:37,210 --> 00:44:35,359

then you know it takes a lot to create

976

00:44:41,080 --> 00:44:37,220

something like that it takes brains and

977

00:44:43,450 --> 00:44:41,090

it takes time and patience do you find

978

00:44:46,450 --> 00:44:43,460

that there are are there particular

979

00:44:49,570 --> 00:44:46,460

places that people go to fly the drones

980

00:44:52,210 --> 00:44:49,580

or to create them or is it just anywhere

981

00:44:54,010 --> 00:44:52,220

that people can go and and also on top

982

00:44:56,440 --> 00:44:54,020

of that do you know a lot of drone

983

00:44:58,900 --> 00:44:56,450

operators is it something that more and

984

00:45:03,670 --> 00:44:58,910

more people are doing or is it just you

985

00:45:05,740 --> 00:45:03,680

have to know somebody to you know do you

986

00:45:08,190 --> 00:45:05,750

have to have a life sure is there any is

987

00:45:12,220 --> 00:45:08,200

there any sort of specifics you need

988

00:45:14,380 --> 00:45:12,230

well you know for a long time there's

989

00:45:16,570 --> 00:45:14,390

been a an association called the arrow

990

00:45:19,900 --> 00:45:16,580

modelers this association that has sort

991

00:45:24,310 --> 00:45:19,910

of been the governing by people things

992

00:45:27,190 --> 00:45:24,320

radio can their crap it's never been the

993

00:45:30,160 --> 00:45:27,200

big of a hobby and it's never really do

994

00:45:31,780 --> 00:45:30,170

like it's becoming today because now we

995

00:45:35,200 --> 00:45:31,790

go to your local park and you see people

996

00:45:38,590 --> 00:45:35,210

flying I don't know you're starting to

997

00:45:41,050 --> 00:45:38,600

break up just a little bit um let's see

998

00:45:42,550 --> 00:45:41,060

maybe if you stand still you might be

999

00:45:45,580 --> 00:45:42,560

able to get some some great reception

1000

00:45:48,099 --> 00:45:45,590

somewhere how my company my company okay

1001  
00:45:50,310 --> 00:45:48,109  
now you're great yeah so you're talking

1002  
00:45:52,960 --> 00:45:50,320  
about you know people go to the park

1003  
00:45:56,560 --> 00:45:52,970  
yeah well you know we're seeing these

1004  
00:45:58,420 --> 00:45:56,570  
things being flown more and more and you

1005  
00:46:00,099 --> 00:45:58,430  
know because of that I think you know

1006  
00:46:03,849 --> 00:46:00,109  
the safety concerns are becoming more

1007  
00:46:05,950 --> 00:46:03,859  
and more you know relevant because you

1008  
00:46:09,550 --> 00:46:05,960  
know i mean it's it's not that difficult

1009  
00:46:12,520 --> 00:46:09,560  
to build a you know heavy fast-moving

1010  
00:46:15,430 --> 00:46:12,530  
flying drone that could potentially

1011  
00:46:17,799 --> 00:46:15,440  
cause you know damage or injury to

1012  
00:46:22,989 --> 00:46:17,809  
people or property

1013  
00:46:26,589 --> 00:46:22,999

and so currently there are no laws that

1014

00:46:30,009 --> 00:46:26,599

govern you know average people from

1015

00:46:34,599 --> 00:46:30,019

going out and flying these things the

1016

00:46:38,199 --> 00:46:34,609

FAA does however restrict the commercial

1017

00:46:41,229 --> 00:46:38,209

use of them it is technically against an

1018

00:46:44,349 --> 00:46:41,239

FAA regulation to operate a drone for

1019

00:46:45,579 --> 00:46:44,359

hire for any sort of you know anything

1020

00:46:48,670 --> 00:46:45,589

that has to do with money you're not

1021

00:46:52,749 --> 00:46:48,680

allowed to do it oh so you can only be a

1022

00:46:56,799 --> 00:46:52,759

drone operator if you are a hobbyist and

1023

00:46:59,339 --> 00:46:56,809

you can't be doing it for financial

1024

00:47:02,769 --> 00:46:59,349

purposes so let's say somebody wanted to

1025

00:47:06,039 --> 00:47:02,779

hire a private investigator to spy on

1026  
00:47:07,900 --> 00:47:06,049  
them on somebody else and this person

1027  
00:47:10,089 --> 00:47:07,910  
because i was reading an article before

1028  
00:47:12,219 --> 00:47:10,099  
our interview today that a lot of

1029  
00:47:15,400 --> 00:47:12,229  
private investigators are using drones

1030  
00:47:18,189 --> 00:47:15,410  
to spy on you know people cheating on

1031  
00:47:21,459 --> 00:47:18,199  
their wives or whatever the case might

1032  
00:47:25,509 --> 00:47:21,469  
be that person could not actually

1033  
00:47:28,599 --> 00:47:25,519  
legally take money for using this drone

1034  
00:47:30,400 --> 00:47:28,609  
without a license or do you I mean or if

1035  
00:47:32,799 --> 00:47:30,410  
you had a license could he take money

1036  
00:47:36,069 --> 00:47:32,809  
for it or is he not allowed to do it at

1037  
00:47:39,459 --> 00:47:36,079  
all he would not be allowed to do it at

1038  
00:47:44,650 --> 00:47:39,469

all unless that individual was able to

1039

00:47:48,130 --> 00:47:44,660

obtain an FAA part 333 exemption now

1040

00:47:52,660 --> 00:47:48,140

the colt is it to get that um it

1041

00:47:57,160 --> 00:47:52,670

requires lawyers and money and you know

1042

00:47:59,859 --> 00:47:57,170

I the you know one of the major uses of

1043

00:48:01,989 --> 00:47:59,869

drones you know is in cinematography I

1044

00:48:04,419 --> 00:48:01,999

mean we're starting to see you know the

1045

00:48:07,529 --> 00:48:04,429

use of these things in television and

1046

00:48:11,709 --> 00:48:07,539

film and it's becoming easier to obtain

1047

00:48:14,979 --> 00:48:11,719

one of these for you know for media

1048

00:48:19,839 --> 00:48:14,989

usage now for private investigation

1049

00:48:24,099 --> 00:48:19,849

that's I couldn't say but you know in in

1050

00:48:26,979 --> 00:48:24,109

addition to it is possible to to obtain

1051  
00:48:29,469 --> 00:48:26,989  
a you know a quote license to be able to

1052  
00:48:31,540 --> 00:48:29,479  
do it legally but you know you're doing

1053  
00:48:33,940 --> 00:48:31,550  
it as if you know

1054  
00:48:37,090 --> 00:48:33,950  
these things are treated by the FAA as

1055  
00:48:39,340 --> 00:48:37,100  
aircraft and while they you know they

1056  
00:48:41,710 --> 00:48:39,350  
are you know and another important thing

1057  
00:48:43,990 --> 00:48:41,720  
to note I think is that technically they

1058  
00:48:46,930 --> 00:48:44,000  
are referred to ua s which stands for

1059  
00:48:49,000 --> 00:48:46,940  
unmanned aerial systems and that is you

1060  
00:48:52,330 --> 00:48:49,010  
know a combination of the flying vehicle

1061  
00:48:57,000 --> 00:48:52,340  
in the sky and the pilot operating them

1062  
00:49:00,720 --> 00:48:57,010  
from the ground and so you know you know

1063  
00:49:03,280 --> 00:49:00,730

while there are you know sort of

1064

00:49:06,370 --> 00:49:03,290  
standardized routes to obtain an

1065

00:49:08,800 --> 00:49:06,380  
exemption for you know uses like camera

1066

00:49:10,990 --> 00:49:08,810  
work you know it's it's pretty much done

1067

00:49:13,540 --> 00:49:11,000  
as far as I as far as I know on a

1068

00:49:16,120 --> 00:49:13,550  
case-by-case basis but there are

1069

00:49:18,730 --> 00:49:16,130  
certainly so many other uses in addition

1070

00:49:20,740 --> 00:49:18,740  
to to camera work that you know that

1071

00:49:22,540 --> 00:49:20,750  
these things are are you know really

1072

00:49:25,780 --> 00:49:22,550  
beneficial and I think we're going to

1073

00:49:29,260 --> 00:49:25,790  
really start to see drones used you know

1074

00:49:32,880 --> 00:49:29,270  
in all sorts of industries a friend of

1075

00:49:36,220 --> 00:49:32,890  
mine has a company that uses them for

1076

00:49:40,450 --> 00:49:36,230

inspection of wind turbines and solar

1077

00:49:43,450 --> 00:49:40,460

panel arrays and you know they're able

1078

00:49:46,900 --> 00:49:43,460

to use drone to take incredibly high

1079

00:49:48,790 --> 00:49:46,910

resolution photographs of wit you know

1080

00:49:52,030 --> 00:49:48,800

giant wind terminal echt rissa t

1081

00:49:53,830 --> 00:49:52,040

generating wind turbines and are they're

1082

00:49:56,110 --> 00:49:53,840

able to you know you know look for

1083

00:49:59,590 --> 00:49:56,120

cracks and you know leaks and and so

1084

00:50:01,750 --> 00:49:59,600

forth and they can accomplish you know

1085

00:50:05,170 --> 00:50:01,760

at a fraction of the cost what it would

1086

00:50:08,170 --> 00:50:05,180

take you know many people you know weeks

1087

00:50:10,480 --> 00:50:08,180

to do and not to mention you're not you

1088

00:50:12,040 --> 00:50:10,490

know sending people you know up really

1089

00:50:13,660 --> 00:50:12,050

high and you know there's there's a lot

1090

00:50:16,600 --> 00:50:13,670

of risk involved with sending people up

1091

00:50:19,710 --> 00:50:16,610

to do these inspections and you know so

1092

00:50:21,880 --> 00:50:19,720

the there's so many safety and economic

1093

00:50:24,160 --> 00:50:21,890

reasons why you know this sort of thing

1094

00:50:26,290 --> 00:50:24,170

is becoming really I you know we're

1095

00:50:29,110 --> 00:50:26,300

going to start to see this a lot in the

1096

00:50:31,570 --> 00:50:29,120

future I'd imagine that we definitely

1097

00:50:34,360 --> 00:50:31,580

would you know there's a host of a radio

1098

00:50:37,060 --> 00:50:34,370

show on named Jimmy church and he has a

1099

00:50:39,910 --> 00:50:37,070

show fade to black and maybe it was a

1100

00:50:41,710 --> 00:50:39,920

year a year and a half ago he came up

1101  
00:50:44,310 --> 00:50:41,720  
with you know because we we talk about

1102  
00:50:48,060 --> 00:50:44,320  
the paranormal a lot on this show

1103  
00:50:51,120 --> 00:50:48,070  
he there was a underwater base that he

1104  
00:50:53,850 --> 00:50:51,130  
you know believed to have found or some

1105  
00:50:57,210 --> 00:50:53,860  
strange geological evidence it was one

1106  
00:51:00,210 --> 00:50:57,220  
of the two and it was really deep in the

1107  
00:51:02,910 --> 00:51:00,220  
ocean a little too far for the normal

1108  
00:51:05,580 --> 00:51:02,920  
man to go swim in and too deep for

1109  
00:51:07,920 --> 00:51:05,590  
someone to really go diving in it would

1110  
00:51:10,530 --> 00:51:07,930  
be expensive you would need a whole

1111  
00:51:12,390 --> 00:51:10,540  
diving crew a boat you know to go really

1112  
00:51:14,670 --> 00:51:12,400  
explore some of this underwater stuff

1113  
00:51:17,280 --> 00:51:14,680

now there is there are companies

1114

00:51:20,130 --> 00:51:17,290

creating underwater drones right so for

1115

00:51:22,620 --> 00:51:20,140

a fraction of what it would be to go out

1116

00:51:25,950 --> 00:51:22,630

and figure out what's happening at this

1117

00:51:29,250 --> 00:51:25,960

underwater base in Malibu without you

1118

00:51:33,360 --> 00:51:29,260

know going and and and hiring the

1119

00:51:35,070 --> 00:51:33,370

professional scuba diver and you know it

1120

00:51:36,810 --> 00:51:35,080

is it possible have you heard of these

1121

00:51:39,780 --> 00:51:36,820

underwater drones that could go and

1122

00:51:42,390 --> 00:51:39,790

potentially Scout underneath the water

1123

00:51:43,740 --> 00:51:42,400

yeah absolutely and you know i mean like

1124

00:51:47,700 --> 00:51:43,750

that sort of thing has been available

1125

00:51:49,710 --> 00:51:47,710

but on the extremely expensive end of

1126  
00:51:51,240 --> 00:51:49,720  
the spectrum you know like Kyle Terry

1127  
00:51:54,540 --> 00:51:51,250  
and like you know high-end research

1128  
00:51:56,490 --> 00:51:54,550  
companies and so forth but you know that

1129  
00:51:58,950 --> 00:51:56,500  
just like aerial drones underwater

1130  
00:52:02,130 --> 00:51:58,960  
drones are are going to be just as big

1131  
00:52:04,800 --> 00:52:02,140  
of you know of a thing I think in in the

1132  
00:52:06,990 --> 00:52:04,810  
coming years which is so cool I mean and

1133  
00:52:10,440 --> 00:52:07,000  
if there's just so many many other uses

1134  
00:52:12,600 --> 00:52:10,450  
I mean you know exploration is a big one

1135  
00:52:15,660 --> 00:52:12,610  
I mean you're able to explore and gather

1136  
00:52:17,670 --> 00:52:15,670  
data and you know take photographs or

1137  
00:52:20,990 --> 00:52:17,680  
videos of places that you otherwise

1138  
00:52:23,850 --> 00:52:21,000

could never do or never do safely and

1139

00:52:26,640 --> 00:52:23,860

it's becoming so accessible and

1140

00:52:28,770 --> 00:52:26,650

affordable that you know I think a lot

1141

00:52:31,890 --> 00:52:28,780

of people can can get into this as a

1142

00:52:33,990 --> 00:52:31,900

hobby and you know it's it's really

1143

00:52:38,370 --> 00:52:34,000

going to take hold in the you know the

1144

00:52:41,550 --> 00:52:38,380

professional realms as well that's it's

1145

00:52:44,160 --> 00:52:41,560

fascinating and and what about Amazon I

1146

00:52:46,710 --> 00:52:44,170

know that they are trying to do their

1147

00:52:48,420 --> 00:52:46,720

marketplace and have their packages sent

1148

00:52:52,830 --> 00:52:48,430

by drones do you know much about that

1149

00:52:54,360 --> 00:52:52,840

and there certainly has had yeah I mean

1150

00:52:58,150 --> 00:52:54,370

I've certainly heard about it I don't

1151  
00:53:02,230 --> 00:52:58,160  
know what the fááá stand is on it and

1152  
00:53:04,270 --> 00:53:02,240  
you know I mean it's like it's hard for

1153  
00:53:06,850 --> 00:53:04,280  
me to say to believe that that's

1154  
00:53:11,830 --> 00:53:06,860  
actually going to happen but then again

1155  
00:53:13,480 --> 00:53:11,840  
you know I ate very well might you know

1156  
00:53:16,960 --> 00:53:13,490  
I mean these things are getting safer

1157  
00:53:19,150 --> 00:53:16,970  
and safer redundant systems that you

1158  
00:53:21,160 --> 00:53:19,160  
know you know these things they're

1159  
00:53:23,680 --> 00:53:21,170  
becoming self-aware and you know they

1160  
00:53:25,840 --> 00:53:23,690  
have and well one of the one of the cool

1161  
00:53:27,820 --> 00:53:25,850  
things about the multirotors is you can

1162  
00:53:29,050 --> 00:53:27,830  
have redundancy with you know there's a

1163  
00:53:31,870 --> 00:53:29,060

lot of people are familiar with a

1164

00:53:34,690 --> 00:53:31,880

quadcopter you know four propellers but

1165

00:53:37,840 --> 00:53:34,700

by having more you can potentially lose

1166

00:53:41,140 --> 00:53:37,850

propellers or lose motors and it'll

1167

00:53:44,050 --> 00:53:41,150

still fly just fine um so they're

1168

00:53:47,830 --> 00:53:44,060

becoming safer I think one of the

1169

00:53:51,640 --> 00:53:47,840

biggest limiting factors for package

1170

00:53:54,430 --> 00:53:51,650

delivery is is going to be flight time

1171

00:53:58,510 --> 00:53:54,440

limited by the batteries that we have

1172

00:54:02,170 --> 00:53:58,520

today because even our even the best

1173

00:54:06,670 --> 00:54:02,180

batteries that are out there now are

1174

00:54:07,990 --> 00:54:06,680

nowhere near as energetic well they

1175

00:54:11,470 --> 00:54:08,000

don't have the energy density of

1176  
00:54:14,200 --> 00:54:11,480  
gasoline say gasoline has ten times the

1177  
00:54:16,180 --> 00:54:14,210  
energy density of the best batteries

1178  
00:54:18,580 --> 00:54:16,190  
that we have out there today I don't

1179  
00:54:22,300 --> 00:54:18,590  
know if that's an exact statistic but

1180  
00:54:23,830 --> 00:54:22,310  
it's it's something like that and but

1181  
00:54:25,600 --> 00:54:23,840  
that being said you know I mean we're

1182  
00:54:27,520 --> 00:54:25,610  
seeing more and more electric cars in

1183  
00:54:30,640 --> 00:54:27,530  
the battery technologies getting better

1184  
00:54:34,900 --> 00:54:30,650  
but you know for instance on I have a

1185  
00:54:38,520 --> 00:54:34,910  
large camera carrying drone it weighs

1186  
00:54:41,620 --> 00:54:38,530  
about 25 pounds you know ready to fly

1187  
00:54:45,210 --> 00:54:41,630  
it's about a meter in diameter and it

1188  
00:54:50,320 --> 00:54:45,220

stands when its legs are down about oh

1189

00:54:54,040 --> 00:54:50,330

maybe three feet three feet tall and you

1190

00:54:58,540 --> 00:54:54,050

know it's sizable it's big and you know

1191

00:55:01,750 --> 00:54:58,550

I get about mmm 15 minutes at most per

1192

00:55:03,100 --> 00:55:01,760

flight oh wow so that's I mean that

1193

00:55:05,620 --> 00:55:03,110

really sucks up the battery because

1194

00:55:07,690 --> 00:55:05,630

we're not just talking about operating a

1195

00:55:09,850 --> 00:55:07,700

camera we're talking about the batteries

1196

00:55:11,859 --> 00:55:09,860

for flight and the batteries for liftoff

1197

00:55:14,079 --> 00:55:11,869

and I guess you know is

1198

00:55:16,930 --> 00:55:14,089

something that heavy I felt how heavy

1199

00:55:19,809 --> 00:55:16,940

the cameras by themselves are extremely

1200

00:55:23,680 --> 00:55:19,819

heavy so once you add the the rest of

1201

00:55:27,700 --> 00:55:23,690

the mini helicopter pieces it I imagine

1202

00:55:30,450 --> 00:55:27,710

that does weigh it down and everybody

1203

00:55:34,029 --> 00:55:30,460

gasps can you do like a gas-powered Rome

1204

00:55:36,400 --> 00:55:34,039

well one of the one of the reasons that

1205

00:55:39,640 --> 00:55:36,410

these multirotors are able to do what

1206

00:55:41,799 --> 00:55:39,650

they do is because you know in one of

1207

00:55:45,730 --> 00:55:41,809

the one of the most glorious things to

1208

00:55:48,640 --> 00:55:45,740

me is the only moving parts on the multi

1209

00:55:51,160 --> 00:55:48,650

rotor are the motors whereas a

1210

00:55:53,980 --> 00:55:51,170

traditional helicopter you know with a

1211

00:55:57,309 --> 00:55:53,990

single rotor has a very complex

1212

00:56:01,509 --> 00:55:57,319

mechanical system by which the pitch of

1213

00:56:03,549 --> 00:56:01,519

the blades are adjusted in flight so

1214

00:56:06,220 --> 00:56:03,559

that the helicopter can carry out its

1215

00:56:09,130 --> 00:56:06,230

various flight maneuvers whereas on the

1216

00:56:11,049 --> 00:56:09,140

electric multi-rotor all flight

1217

00:56:13,390 --> 00:56:11,059

maneuvers can be carried out simply by

1218

00:56:17,979 --> 00:56:13,400

speeding up and slowing down different

1219

00:56:20,170 --> 00:56:17,989

propellers and as far as I know you

1220

00:56:21,819 --> 00:56:20,180

could not do that at least currently

1221

00:56:24,849 --> 00:56:21,829

with gasoline engines because they don't

1222

00:56:29,710 --> 00:56:24,859

have the precision to speed up and slow

1223

00:56:32,229 --> 00:56:29,720

down so accurately you know and you know

1224

00:56:35,170 --> 00:56:32,239

not having such a complex mechanical

1225

00:56:37,870 --> 00:56:35,180

system also really increases the safety

1226

00:56:41,259 --> 00:56:37,880

I mean a lot can go wrong on a single

1227

00:56:43,720 --> 00:56:41,269

rotor helicopter where whereas you know

1228

00:56:46,180 --> 00:56:43,730

an electric-powered multi-rotor are you

1229

00:56:48,370 --> 00:56:46,190

know they just having these you know

1230

00:56:50,979 --> 00:56:48,380

direct drive motors you know there's

1231

00:56:56,349 --> 00:56:50,989

there's very little mechanically to go

1232

00:56:58,479 --> 00:56:56,359

wrong umm so so Duncan we have and I

1233

00:57:00,940 --> 00:56:58,489

hate to pivot and change the

1234

00:57:02,650 --> 00:57:00,950

conversation but the chat room is

1235

00:57:04,539 --> 00:57:02,660

blowing up right now and there's a lot

1236

00:57:06,220 --> 00:57:04,549

of people asking questions and a lot of

1237

00:57:08,349 --> 00:57:06,230

you out there you know if you have

1238

00:57:10,150 --> 00:57:08,359

questions I would love to hear your

1239

00:57:12,339 --> 00:57:10,160

voices and I love for you to call into

1240

00:57:17,380 --> 00:57:12,349

the show with your questions the number

1241

00:57:20,259 --> 00:57:17,390

is 8 8 8 9 192 355 and Duncan Clark can

1242

00:57:22,930 --> 00:57:20,269

answer your questions about drones now

1243

00:57:25,160 --> 00:57:22,940

there's one let's see so one of the

1244

00:57:27,200 --> 00:57:25,170

questions that we're getting here

1245

00:57:29,720 --> 00:57:27,210

Carol asks does Duncan see the

1246

00:57:32,660 --> 00:57:29,730

possibility that paparazzi will endeavor

1247

00:57:35,450 --> 00:57:32,670

to grab exemptions or is that already

1248

00:57:38,299 --> 00:57:35,460

going on I don't know if it's going on

1249

00:57:40,789 --> 00:57:38,309

and you know I sort of on that note I

1250

00:57:43,400 --> 00:57:40,799

mean you know you think paparazzi you

1251  
00:57:45,950 --> 00:57:43,410  
think sort of you know nobody nobody

1252  
00:57:47,809 --> 00:57:45,960  
really has a good opinion of the

1253  
00:57:51,349 --> 00:57:47,819  
paparazzi because it's an invasion of

1254  
00:57:55,490 --> 00:57:51,359  
privacy and so forth and you know right

1255  
00:57:58,160 --> 00:57:55,500  
now there hasn't been anything really

1256  
00:58:00,829 --> 00:57:58,170  
bad to happen you know there hasn't been

1257  
00:58:04,280 --> 00:58:00,839  
a big accident nobody's you know crashed

1258  
00:58:05,990 --> 00:58:04,290  
a drone into into a freeway causing you

1259  
00:58:07,010 --> 00:58:06,000  
know loss of life or injuries or

1260  
00:58:10,370 --> 00:58:07,020  
something like that at least that I've

1261  
00:58:12,620 --> 00:58:10,380  
heard of and so you know it's a bit

1262  
00:58:15,650 --> 00:58:12,630  
worrisome to me and I really hope that

1263  
00:58:18,380 --> 00:58:15,660

you know people are responsible as

1264

00:58:21,910 --> 00:58:18,390

hobbyists using these things I don't

1265

00:58:27,559 --> 00:58:21,920

know what the FAA will do in terms of

1266

00:58:29,750 --> 00:58:27,569

you know issuing a form of license to to

1267

00:58:33,799 --> 00:58:29,760

paparazzi or something like that I mean

1268

00:58:35,930 --> 00:58:33,809

I feel like out you know they're going

1269

00:58:40,099 --> 00:58:35,940

to be privacy laws that that will come

1270

00:58:44,270 --> 00:58:40,109

into play but you know for me it's like

1271

00:58:47,510 --> 00:58:44,280

I so much of this is in the hobbyist

1272

00:58:50,539 --> 00:58:47,520

world and is largely unregulated that

1273

00:58:52,520 --> 00:58:50,549

you know I feel like people such as

1274

00:58:57,079 --> 00:58:52,530

myself you know sort of have an

1275

00:58:59,990 --> 00:58:57,089

obligation to represent the hobby of

1276  
00:59:03,589 --> 00:59:00,000  
flying drones and you know shouldn't

1277  
00:59:06,049 --> 00:59:03,599  
take it lightly or I mean I've imagined

1278  
00:59:08,329 --> 00:59:06,059  
someone with like the paparazzi license

1279  
00:59:10,789 --> 00:59:08,339  
I think they're just not clever enough

1280  
00:59:12,890 --> 00:59:10,799  
to think about it yet but maybe they

1281  
00:59:14,780 --> 00:59:12,900  
already have you know if they were able

1282  
00:59:17,780 --> 00:59:14,790  
to get a license they be flying drones

1283  
00:59:19,190 --> 00:59:17,790  
into Brad Pitt's backyard and looking

1284  
00:59:23,359 --> 00:59:19,200  
through the windows and trying to film

1285  
00:59:25,370 --> 00:59:23,369  
stuff you know all the time so have you

1286  
00:59:27,230 --> 00:59:25,380  
heard of anything like that has has

1287  
00:59:29,180 --> 00:59:27,240  
there been any complaints have you

1288  
00:59:31,970 --> 00:59:29,190

noticed anything I haven't heard

1289

00:59:34,460 --> 00:59:31,980

anything I feel like it's only a matter

1290

00:59:39,020 --> 00:59:34,470

of time until something like that does

1291

00:59:40,430 --> 00:59:39,030

happen um you know I I hope

1292

00:59:42,980 --> 00:59:40,440

it doesn't you know I feel like that's

1293

00:59:46,790 --> 00:59:42,990

wishful thinking but you know I feel

1294

00:59:50,930 --> 00:59:46,800

like oh look at this I just found paw on

1295

00:59:52,910 --> 00:59:50,940

Google CBS News paparazzi now using

1296

00:59:56,660 --> 00:59:52,920

drones to hunt down and photograph

1297

00:59:57,920 --> 00:59:56,670

celebrities so that's you know they're

1298

01:00:00,260 --> 00:59:57,930

definitely out there they're definitely

1299

01:00:03,440 --> 01:00:00,270

thinking about it it doesn't surprise me

1300

01:00:06,830 --> 01:00:03,450

i mean you know i think you know we're

1301

01:00:09,470 --> 01:00:06,840

gonna start to see uh-huh and I don't

1302

01:00:12,230 --> 01:00:09,480

know of anti-drone drones is the right

1303

01:00:14,030 --> 01:00:12,240

word to use but you know do you think

1304

01:00:15,860 --> 01:00:14,040

that there would be other drones like

1305

01:00:18,380 --> 01:00:15,870

government drones that shoot down drones

1306

01:00:20,060 --> 01:00:18,390

that don't have license or that are you

1307

01:00:23,510 --> 01:00:20,070

know doing some of the stuff do you

1308

01:00:26,090 --> 01:00:23,520

think that that's possible yeah

1309

01:00:28,160 --> 01:00:26,100

absolutely i mean you know if it's rate

1310

01:00:31,100 --> 01:00:28,170

if it becomes regulated you know more

1311

01:00:32,990 --> 01:00:31,110

commonly and you know people are able to

1312

01:00:36,740 --> 01:00:33,000

get licenses to do various activities

1313

01:00:40,670 --> 01:00:36,750

with these things you know in my opinion

1314

01:00:42,680 --> 01:00:40,680

and it's believed that they would have

1315

01:00:44,480 --> 01:00:42,690

to be equipped with you know like a

1316

01:00:47,450 --> 01:00:44,490

transponder for instance like you know

1317

01:00:50,630 --> 01:00:47,460

in in you know full-scale aviation

1318

01:00:53,540 --> 01:00:50,640

aircraft have transponders and you know

1319

01:00:56,240 --> 01:00:53,550

they're visible on radar and you know

1320

01:00:58,610 --> 01:00:56,250

can be identified and and so you know

1321

01:01:00,020 --> 01:00:58,620

people are going to be responsible for

1322

01:01:02,330 --> 01:01:00,030

what they do with their drone and if

1323

01:01:05,840 --> 01:01:02,340

they are not responsible they'll be

1324

01:01:08,990 --> 01:01:05,850

prosecuted all right so so right now we

1325

01:01:10,670 --> 01:01:09,000

don't have that going on and you know

1326

01:01:12,830 --> 01:01:10,680

they're definitely is the possibility

1327

01:01:16,940 --> 01:01:12,840

these days for people to do bad things

1328

01:01:19,400 --> 01:01:16,950

with unmanned aerial vehicles and and on

1329

01:01:22,670 --> 01:01:19,410

that note Duncan we have to go to break

1330

01:01:24,970 --> 01:01:22,680

but I wanted to just say this quote from

1331

01:01:27,710 --> 01:01:24,980

this article that I'm looking at now

1332

01:01:28,730 --> 01:01:27,720

California law already protects areas on

1333

01:01:30,830 --> 01:01:28,740

the ground where people have a

1334

01:01:32,870 --> 01:01:30,840

reasonable expectation of privacy like a

1335

01:01:35,150 --> 01:01:32,880

backyard newly proposed legislation

1336

01:01:38,090 --> 01:01:35,160

would expand that protection to the

1337

01:01:40,160 --> 01:01:38,100

skies recently Miley Cyrus posted a

1338

01:01:41,960 --> 01:01:40,170

video of a drone with the camera that

1339

01:01:44,300 --> 01:01:41,970

she said was hovering about above her

1340

01:01:46,310 --> 01:01:44,310

home it's kind of like the Wild West out

1341

01:01:48,680 --> 01:01:46,320

there says Eric Mahoney head of

1342

01:01:51,590 --> 01:01:48,690

production at drone dudes an aerial

1343

01:01:52,790 --> 01:01:51,600

cinematography company in Los Angeles so

1344

01:01:56,540 --> 01:01:52,800

I think that

1345

01:01:59,270 --> 01:01:56,550

you know they that thought that while

1346

01:02:00,650 --> 01:01:59,280

drones are the Wild West right now you

1347

01:02:03,620 --> 01:02:00,660

know that's something to think about as

1348

01:02:06,140 --> 01:02:03,630

we go into break so everybody you're

1349

01:02:08,660 --> 01:02:06,150

listening to truth funders radio on the

1350

01:02:11,360 --> 01:02:08,670

inception radio network you can listen

1351

01:02:13,790 --> 01:02:11,370

to us on inception radio com the

1352

01:02:17,330 --> 01:02:13,800

inception radio app that you can get at

1353

01:02:19,790 --> 01:02:17,340

the itunes store or the google chrome

1354

01:02:22,130 --> 01:02:19,800

store and there's so many other ways you

1355

01:02:23,510 --> 01:02:22,140

can listen the roku app and i know one

1356

01:02:26,000 --> 01:02:23,520

person who is listening to us on the

1357

01:02:28,640 --> 01:02:26,010

Broco app right now which is my wife so

1358

01:02:31,280 --> 01:02:28,650

shout out to Clare in the other room and

1359

01:02:34,730 --> 01:02:31,290

on that note we will see you right after

1360

01:02:38,660 --> 01:02:34,740

the break truth finders radio on the

1361

01:02:40,070 --> 01:02:38,670

inception radio network truth funders

1362

01:02:42,440 --> 01:02:40,080

will started as a place to shine a

1363

01:02:44,570 --> 01:02:42,450

spotlight on paranormal projects other

1364

01:02:46,910 --> 01:02:44,580

big-name crowdfunding sites very

1365

01:02:49,130 --> 01:02:46,920

paranormal projects that contain UFO

1366

01:02:51,200 --> 01:02:49,140

ghost Bigfoot research documentaries

1367

01:02:53,120 --> 01:02:51,210

books clothes movies and more at truth

1368

01:02:55,310 --> 01:02:53,130

hunters we invite people to not just

1369

01:02:57,260 --> 01:02:55,320

listen to our show but interact and do

1370

01:02:59,870 --> 01:02:57,270

something about it you can create a

1371

01:03:02,570 --> 01:02:59,880

project yes you listening to the radio

1372

01:03:06,170 --> 01:03:02,580

right now you can make a difference stop

1373

01:03:08,990 --> 01:03:06,180

dreaming and take action at WWF buggers

1374

01:03:11,210 --> 01:03:09,000

calm click create project and submit

1375

01:03:13,100 --> 01:03:11,220

your idea or browse the other paranormal

1376

01:03:15,020 --> 01:03:13,110

initiatives that other brave souls have

1377

01:03:17,030 --> 01:03:15,030

put their energy into support them as

1378

01:03:18,830 --> 01:03:17,040

they reach into their creative spirit

1379

01:03:20,750 --> 01:03:18,840

and turn their passion into progress

1380

01:03:22,490 --> 01:03:20,760

each donation you will make you will

1381

01:03:25,220 --> 01:03:22,500

receive something in return throw a book

1382

01:03:26,480 --> 01:03:25,230

to DVD to a Roswell i-beam and plenty

1383

01:03:28,940 --> 01:03:26,490

more you don't have the scratch to

1384

01:03:30,920 --> 01:03:28,950

donate fine share anybody can from

1385

01:03:32,720 --> 01:03:30,930

Facebook to Twitter or blog

1386

01:03:34,849 --> 01:03:32,730

that's free and I helped support a

1387

01:03:37,640 --> 01:03:34,859

community of people that not only wants

1388

01:03:40,339 --> 01:03:37,650

that need to get the word out we are not

1389

01:03:41,990 --> 01:03:40,349

alone we are community we need to

1390

01:03:43,549 --> 01:03:42,000

believe in each other as much as we

1391

01:03:45,559 --> 01:03:43,559

believe that there's more to life than

1392

01:03:47,829 --> 01:03:45,569

meets the eye help support a project on

1393

01:03:54,770 --> 01:03:47,839

truth monix or create your own today at

1394

01:03:57,290 --> 01:03:54,780

wwu funders com hello everyone Laurieann

1395

01:04:00,559 --> 01:03:57,300

Fenton here hosted the California MUFON

1396

01:04:02,990 --> 01:04:00,569

radio show asking if you'd like special

1397

01:04:06,530 --> 01:04:03,000

access to exclusive and amazing

1398

01:04:09,680 --> 01:04:06,540

information about UFOs the paranormal

1399

01:04:12,799 --> 01:04:09,690

and all things unexplained if you're

1400

01:04:15,650 --> 01:04:12,809

nodding yes then join I rn's insider

1401

01:04:17,839 --> 01:04:15,660

club as an insider club member you'll

1402

01:04:20,720 --> 01:04:17,849

get an all-access pass to premier

1403

01:04:22,880 --> 01:04:20,730

inception radio network content for only

1404

01:04:26,150 --> 01:04:22,890

four dollars and ninety-nine cents a

1405

01:04:28,670 --> 01:04:26,160

month this includes live UFO and

1406

01:04:32,510 --> 01:04:28,680

paranormal conferences live streaming

1407

01:04:35,470 --> 01:04:32,520

UFO sky watches exclusive in radio and

1408

01:04:38,470 --> 01:04:35,480

TV productions and of course pay

1409

01:04:40,900 --> 01:04:38,480

Radio with MJ and Ken Storch so don't

1410

01:04:44,710 --> 01:04:40,910

wait any longer visit inception radio

1411

01:04:47,650 --> 01:04:44,720

network com and click on member login to

1412

01:04:52,190 --> 01:04:47,660

join I rn's insider club and get your

1413

01:04:56,329 --> 01:04:54,349

don't have a computer is your internet

1414

01:04:58,160 --> 01:04:56,339

connection down don't worry use your

1415

01:05:01,760 --> 01:04:58,170

trusty cellphone or landline and call in

1416

01:05:03,380 --> 01:05:01,770

to our listen line at 40 128 367 00 to

1417

01:05:07,310 --> 01:05:03,390

listen to the inception radio network

1418

01:05:10,640 --> 01:05:07,320

24-7 again that Colin number is 401 to a

1419

01:05:17,599 --> 01:05:10,650

360 700 for the inception radio network

1420

01:05:20,390 --> 01:05:17,609

I am MJ hello inception radio network

1421

01:05:22,400 --> 01:05:20,400

listeners this is Amanda remember you

1422

01:05:24,859 --> 01:05:22,410

can take your inception radio shows on

1423

01:05:27,680 --> 01:05:24,869

the go just download the inception radio

1424

01:05:30,290 --> 01:05:27,690

network app for your iPhone iPad or

1425

01:05:32,810 --> 01:05:30,300

Android smartphones and access live

1426

01:05:35,329 --> 01:05:32,820

shows past shows guest lineups and much

1427

01:05:37,099 --> 01:05:35,339

more just visit the itunes store or the

1428

01:05:42,650 --> 01:05:37,109

google play marketplace and download it

1429

01:05:44,720 --> 01:05:42,660

today for free you didn't forget what's

1430

01:05:46,460 --> 01:05:44,730

coming up tonight did you hi inception

1431

01:05:48,290 --> 01:05:46,470

radio network listeners this is Amanda

1432

01:05:49,819 --> 01:05:48,300

never miss that interview you were

1433

01:05:52,640 --> 01:05:49,829

looking forward to or the show on your

1434

01:05:55,700 --> 01:05:52,650

favorite topic follow irn on twitter i

1435

01:05:57,500 --> 01:05:55,710

underscore our underscore n I get

1436

01:05:59,240 --> 01:05:57,510

reminders about the evenings live shows

1437

01:06:01,700 --> 01:05:59,250

as well as fun and important updates

1438

01:06:04,309 --> 01:06:01,710

throughout the week that's i underscore

1439

01:06:15,710 --> 01:06:04,319

our underscore n and never miss a great

1440

01:06:20,850 --> 01:06:19,140

wiring listeners this is MJ saying hello

1441

01:06:23,690 --> 01:06:20,860

and sharing an awesome secret I

1442

01:06:26,520 --> 01:06:23,700

discovered it's called dream lodge calm

1443

01:06:28,920 --> 01:06:26,530

fresh raw organic ingredients are used

1444

01:06:31,110 --> 01:06:28,930

to create all their products they are

1445

01:06:33,840 --> 01:06:31,120

made in very small batches to ensure

1446

01:06:36,870 --> 01:06:33,850

quality and freshness and made in the

1447

01:06:38,480 --> 01:06:36,880

USA each product is created with care

1448

01:06:41,040 --> 01:06:38,490

and with the finest organic ingredients

1449

01:06:43,860 --> 01:06:41,050

there are no preservatives dies or

1450

01:06:49,670 --> 01:06:43,870

chemicals in any product stop by dream

1451

01:06:57,630 --> 01:06:49,680

lodge and relax that's dr.e am nua GE

1452

01:07:04,210 --> 01:07:00,640

you're locked into inception radio

1453

01:07:14,470 --> 01:07:04,220

network superior Wisconsin truth funders

1454

01:07:16,660 --> 01:07:14,480

radio on the inception radio network and

1455

01:07:20,170 --> 01:07:16,670

welcome back the truth funders radio

1456

01:07:21,490 --> 01:07:20,180

live wednesday nights what's the date

1457

01:07:23,260 --> 01:07:21,500

today Duncan I don't have the date in

1458

01:07:25,720 --> 01:07:23,270

front of me I think it's fair that what

1459

01:07:26,830 --> 01:07:25,730

Mindy the 10th the 10th it's the 10th I

1460

01:07:31,930 --> 01:07:26,840

won't put my guests on the spot like

1461

01:07:34,030 --> 01:07:31,940

that Wednesday jun 10 2015 right now we

1462

01:07:35,740 --> 01:07:34,040

are going into the last part of the show

1463

01:07:38,050 --> 01:07:35,750

we have about 20 minutes left of the

1464

01:07:39,610 --> 01:07:38,060

show today so we'd love for you to call

1465

01:07:42,100 --> 01:07:39,620

in Duncan would you like to take some

1466

01:07:44,140 --> 01:07:42,110

questions from the audience definitely

1467

01:07:45,580 --> 01:07:44,150

you know I'd love to hear you know from

1468

01:07:47,590 --> 01:07:45,590

people out there you know if they have

1469

01:07:50,050 --> 01:07:47,600

any questions about the whole you know

1470

01:07:52,210 --> 01:07:50,060

the drone stuff and you know also if

1471

01:07:54,280 --> 01:07:52,220

anybody has any information that you

1472

01:07:57,940 --> 01:07:54,290

know that that would be new to me

1473

01:08:00,430 --> 01:07:57,950

because you know I think it's there

1474

01:08:02,020 --> 01:08:00,440

there's a lot of unknowns out there and

1475

01:08:04,090 --> 01:08:02,030

I'd love to hear if you know if anybody

1476

01:08:06,310 --> 01:08:04,100

else out there any of their experiences

1477

01:08:08,920 --> 01:08:06,320

flying drones or if they've you know

1478

01:08:10,570 --> 01:08:08,930

singing drones you know doing things

1479

01:08:13,360 --> 01:08:10,580

that maybe they shouldn't be doing but

1480

01:08:14,650 --> 01:08:13,370

yeah I'd really love to hear to get some

1481

01:08:17,980 --> 01:08:14,660

questions and hear about people's

1482

01:08:19,930 --> 01:08:17,990

experiences so yeah yeah and you know

1483

01:08:21,910 --> 01:08:19,940

that that's a really good thought I

1484

01:08:24,220 --> 01:08:21,920

hadn't even thought about that is there

1485

01:08:26,710 --> 01:08:24,230

anyone out there listening right now and

1486

01:08:28,390 --> 01:08:26,720

once again it's Wednesday June tenth so

1487

01:08:34,210 --> 01:08:28,400

if you're listening live please please

1488

01:08:38,770 --> 01:08:34,220

give us a call at 888 91 92 355 that's 8

1489

01:08:41,380 --> 01:08:38,780

8 8 9 192 355 have you ever actually

1490

01:08:43,480 --> 01:08:41,390

seen a drone or have you not seen a

1491

01:08:45,760 --> 01:08:43,490

drone have only heard about them or have

1492

01:08:49,030 --> 01:08:45,770

you seen a drone doing something naughty

1493

01:08:50,860 --> 01:08:49,040

that it shouldn't have um and how often

1494

01:08:52,690 --> 01:08:50,870

have you seen them have you had some

1495

01:08:55,240 --> 01:08:52,700

sort of strange experience with the

1496

01:08:57,840 --> 01:08:55,250

drone ogen would love to hear your

1497

01:09:01,240 --> 01:08:57,850

comments see you know Duncan gives talks

1498

01:09:04,059 --> 01:09:01,250

he's on other radio shows talking about

1499

01:09:05,559 --> 01:09:04,069

drones and drone usage so maybe you have

1500

01:09:08,200 --> 01:09:05,569

an interesting story that you want to

1501

01:09:08,920 --> 01:09:08,210

share and he can talk about that and the

1502

01:09:11,200 --> 01:09:08,930

next time

1503

01:09:13,720 --> 01:09:11,210

you know use on the radio somewhere so

1504

01:09:20,590 --> 01:09:13,730

go ahead and give us a call with your

1505

01:09:24,280 --> 01:09:20,600

drone experiences at 88 89 19 to 35 5 so

1506

01:09:26,170 --> 01:09:24,290

that being said Duncan have you what

1507

01:09:28,660 --> 01:09:26,180

what are some strange things that you've

1508

01:09:30,910 --> 01:09:28,670

heard about with with drones have you

1509

01:09:33,670 --> 01:09:30,920

ever heard someone tell you a really

1510

01:09:35,950 --> 01:09:33,680

interesting story about it well you know

1511

01:09:40,150 --> 01:09:35,960

I think the privacy thing is a big one

1512

01:09:42,940 --> 01:09:40,160

um you know one thing that you know that

1513

01:09:45,910 --> 01:09:42,950

that's kind of fun made to me is you

1514

01:09:49,810 --> 01:09:45,920

know I ever you know the idea of being

1515

01:09:53,260 --> 01:09:49,820

able to spy on somebody with a drone you

1516

01:09:56,020 --> 01:09:53,270

know at least currently you know if a

1517

01:09:58,360 --> 01:09:56,030

drone was outside your window you'd hear

1518

01:10:03,060 --> 01:09:58,370

you know you'd be very aware that that

1519

01:10:06,940 --> 01:10:03,070

it would be out there um you know that

1520

01:10:09,430 --> 01:10:06,950

quiet at they and but that being said

1521

01:10:12,310 --> 01:10:09,440

you know I mean who knows what what

1522

01:10:13,750 --> 01:10:12,320

somebody's developed out there so you

1523

01:10:18,340 --> 01:10:13,760

know there's there's the there's the

1524

01:10:21,910 --> 01:10:18,350

privacy thing you know and I think just

1525

01:10:24,280 --> 01:10:21,920

in general people flying them where they

1526

01:10:28,660 --> 01:10:24,290

shouldn't I mean for me as a general

1527

01:10:31,360 --> 01:10:28,670

rule I won't fly it you know I'll ask

1528

01:10:34,450 --> 01:10:31,370

myself you know if if there were to be a

1529

01:10:36,910 --> 01:10:34,460

catastrophic you know malfunction at any

1530

01:10:39,430 --> 01:10:36,920

point during the flight would I be

1531

01:10:40,960 --> 01:10:39,440

putting people or property at risk you

1532

01:10:44,830 --> 01:10:40,970

know so essentially if it were to fall

1533

01:10:47,050 --> 01:10:44,840

out of the sky at any point would I land

1534

01:10:51,370 --> 01:10:47,060

on somebody's car or you know come down

1535

01:10:54,220 --> 01:10:51,380

into a road and and so forth so you know

1536

01:10:56,500 --> 01:10:54,230

it's you know that's sort of the biggest

1537

01:10:59,800 --> 01:10:56,510

thing and you know I think with the the

1538

01:11:02,260 --> 01:10:59,810

availability of drones out there you

1539

01:11:04,060 --> 01:11:02,270

know people might sort of fly them

1540

01:11:06,610 --> 01:11:04,070

willy-nilly not really thinking about

1541

01:11:08,680 --> 01:11:06,620

the consequences but you know you could

1542

01:11:11,800 --> 01:11:08,690

they could pose a serious distraction

1543

01:11:14,440 --> 01:11:11,810

you noted motorists and you know in

1544

01:11:17,020 --> 01:11:14,450

addition to you know people might crash

1545

01:11:19,300 --> 01:11:17,030

them you know inexperienced pilot might

1546

01:11:21,760 --> 01:11:19,310

crash one into somebody's house or into

1547

01:11:22,870 --> 01:11:21,770

a car so I think those are sort of the

1548

01:11:26,050 --> 01:11:22,880

biggest you

1549

01:11:28,629 --> 01:11:26,060

the most glaring issues and that worries

1550

01:11:32,320 --> 01:11:28,639

me more than then sort of the privacy

1551  
01:11:33,580 --> 01:11:32,330  
concerns but that being said you know I

1552  
01:11:36,600 --> 01:11:33,590  
think the privacy thing is certainly

1553  
01:11:38,979 --> 01:11:36,610  
very important as well i mean it's it's

1554  
01:11:42,939 --> 01:11:38,989  
definitely important an important thing

1555  
01:11:45,520 --> 01:11:42,949  
you know that the people people need and

1556  
01:11:47,020 --> 01:11:45,530  
want their privacy obviously um so you

1557  
01:11:52,959 --> 01:11:47,030  
know that's sort of the the biggest

1558  
01:11:56,229 --> 01:11:52,969  
things to that worry me um yeah now now

1559  
01:11:58,959 --> 01:11:56,239  
I'm neutron in the chat room asks Duncan

1560  
01:12:01,990 --> 01:11:58,969  
I once saw a picture of a drone shaped

1561  
01:12:05,500 --> 01:12:02,000  
and the same size as a mosquito does

1562  
01:12:09,370 --> 01:12:05,510  
this really exist today uh it doesn't

1563  
01:12:11,439 --> 01:12:09,380

surprise me I mean certainly I mean I've

1564

01:12:16,919 --> 01:12:11,449

heard of the military developing really

1565

01:12:19,330 --> 01:12:16,929

really tiny drones um you know

1566

01:12:22,720 --> 01:12:19,340

nanotechnologies sort of on the rise as

1567

01:12:24,640 --> 01:12:22,730

well and you know it definitely doesn't

1568

01:12:27,430 --> 01:12:24,650

surprise me that something that small

1569

01:12:28,979 --> 01:12:27,440

could be created I don't think it's

1570

01:12:33,280 --> 01:12:28,989

something that would be widely available

1571

01:12:35,080 --> 01:12:33,290

but it's remarkable how you know

1572

01:12:37,209 --> 01:12:35,090

technology is getting more and more

1573

01:12:39,520 --> 01:12:37,219

powerful but also smaller and smaller

1574

01:12:41,740 --> 01:12:39,530

sure I mean I mean that's that's

1575

01:12:45,250 --> 01:12:41,750

represented in the cameras themselves I

1576

01:12:47,560 --> 01:12:45,260

mean you have these really high these

1577

01:12:49,180 --> 01:12:47,570

powerful powerful cameras that can do

1578

01:12:51,700 --> 01:12:49,190

more and more and they're getting

1579

01:12:54,729 --> 01:12:51,710

smaller and smaller let me take a GoPro

1580

01:12:57,250 --> 01:12:54,739

for instance or a DSLR camera out there

1581

01:12:59,290 --> 01:12:57,260

these things before you would have to

1582

01:13:01,840 --> 01:12:59,300

have these huge Beta cams and strap

1583

01:13:04,330 --> 01:13:01,850

batteries like Rambo across your chest I

1584

01:13:06,370 --> 01:13:04,340

used to have to do that and you go

1585

01:13:08,560 --> 01:13:06,380

around filming stuff and the quality

1586

01:13:11,200 --> 01:13:08,570

wasn't nearly as good as you would get

1587

01:13:13,959 --> 01:13:11,210

with something like the GoPro or a canon

1588

01:13:16,840 --> 01:13:13,969

DSLR that stuff now is just like you

1589

01:13:21,850 --> 01:13:16,850

know incredible and it's so much smaller

1590

01:13:23,350 --> 01:13:21,860

and easier yeah absolutely it's

1591

01:13:25,959 --> 01:13:23,360

remarkable I mean you know the gopros

1592

01:13:29,140 --> 01:13:25,969

are a great example um you know they're

1593

01:13:31,959 --> 01:13:29,150

really tiny and you know produce an

1594

01:13:33,850 --> 01:13:31,969

incredible picture for for their size

1595

01:13:36,100 --> 01:13:33,860

and it's only going to get smaller and

1596

01:13:38,229 --> 01:13:36,110

better and

1597

01:13:41,500 --> 01:13:38,239

no for that reason I think the the

1598

01:13:44,700 --> 01:13:41,510

mosquito sighs drone is absolutely not

1599

01:13:48,520 --> 01:13:44,710

out of the question and you know that

1600

01:13:50,229 --> 01:13:48,530

that you know sort of raises more you

1601  
01:13:53,020 --> 01:13:50,239  
know privacy issues I mean if you have

1602  
01:13:54,970 --> 01:13:53,030  
something that small you could fly it

1603  
01:13:58,330 --> 01:13:54,980  
you know underneath the crack in

1604  
01:14:00,550 --> 01:13:58,340  
somebody's front door yeah and you know

1605  
01:14:02,709 --> 01:14:00,560  
they wouldn't even know that it's that

1606  
01:14:05,590 --> 01:14:02,719  
it's there and and it would be so small

1607  
01:14:07,689 --> 01:14:05,600  
and quiet that you know that would that

1608  
01:14:10,629 --> 01:14:07,699  
would definitely be you know an issue if

1609  
01:14:13,540 --> 01:14:10,639  
if used inappropriately now i would

1610  
01:14:17,109 --> 01:14:13,550  
think that it's almost impossible for

1611  
01:14:19,600 --> 01:14:17,119  
something the size of mosquito to to

1612  
01:14:22,209 --> 01:14:19,610  
record video that you would be able to

1613  
01:14:24,220 --> 01:14:22,219

see or to fly something like that but

1614

01:14:28,030 --> 01:14:24,230

maybe i'm completely wrong maybe that's

1615

01:14:31,060 --> 01:14:28,040

you know completely possible I it's hard

1616

01:14:36,399 --> 01:14:31,070

to imagine yeah it is hard to imagine

1617

01:14:39,490 --> 01:14:36,409

and the same time yeah if you think my

1618

01:14:41,890 --> 01:14:39,500

years ago we have a caller right now um

1619

01:14:46,959 --> 01:14:41,900

I'm so I'm gonna break in color are you

1620

01:14:50,800 --> 01:14:46,969

there color on the line going once gone

1621

01:14:52,390 --> 01:14:50,810

Oh mother is gone we missed and we

1622

01:14:53,800 --> 01:14:52,400

almost had one though I mean I think

1623

01:14:56,109 --> 01:14:53,810

somebody wanted to ask you something so

1624

01:14:59,080 --> 01:14:56,119

um you know if you if you get the chance

1625

01:15:00,910 --> 01:14:59,090

go ahead and call in again we'd love to

1626  
01:15:02,919 --> 01:15:00,920  
hear you and Duncan would love to answer

1627  
01:15:10,030 --> 01:15:02,929  
your question so yeah give give us a

1628  
01:15:14,320 --> 01:15:10,040  
call yeah yeah definitely 88 89 1923 of

1629  
01:15:17,470 --> 01:15:14,330  
55 it's 88 89 1923 55 truth finders

1630  
01:15:20,410 --> 01:15:17,480  
inception radio so have you been

1631  
01:15:26,500 --> 01:15:20,420  
witnessed a drone crash or have you ever

1632  
01:15:31,090 --> 01:15:26,510  
crashed one yourself yeah unfortunately

1633  
01:15:36,520 --> 01:15:31,100  
yes you know I've crashed a few you know

1634  
01:15:39,189 --> 01:15:36,530  
mostly me being me being stupid you know

1635  
01:15:41,229 --> 01:15:39,199  
never you know in a situation where i

1636  
01:15:44,620 --> 01:15:41,239  
was putting anybody or any anything at

1637  
01:15:47,890 --> 01:15:44,630  
risk but you know where you know my

1638  
01:15:49,870 --> 01:15:47,900

primary interest is you know shooting

1639

01:15:52,209 --> 01:15:49,880

video with drones

1640

01:15:53,919 --> 01:15:52,219

and you know sometimes you know I have

1641

01:15:56,320 --> 01:15:53,929

to restrain myself because I'll get

1642

01:15:59,410 --> 01:15:56,330

caught up in in the shot that I'm

1643

01:16:04,000 --> 01:15:59,420

getting and usually it's because of poor

1644

01:16:06,370 --> 01:16:04,010

situational awareness um you know you

1645

01:16:09,430 --> 01:16:06,380

and you know certainly the lessons have

1646

01:16:12,939 --> 01:16:09,440

been learned but you know it's it's it's

1647

01:16:15,879 --> 01:16:12,949

generally you know all I'll be you know

1648

01:16:18,129 --> 01:16:15,889

so locked in on a shot that I'll neglect

1649

01:16:20,200 --> 01:16:18,139

the fact that there's a tree branch you

1650

01:16:22,629 --> 01:16:20,210

know sticking out and you know it

1651

01:16:24,100 --> 01:16:22,639

doesn't take much to bring them down so

1652

01:16:26,680 --> 01:16:24,110

I've had a few at little accidents like

1653

01:16:28,629 --> 01:16:26,690

that but looks like we got a collar back

1654

01:16:34,720 --> 01:16:28,639

on the line real quick so color you

1655

01:16:39,790 --> 01:16:34,730

there may be one friend they're trying

1656

01:16:42,430 --> 01:16:39,800

to get through almost there all right

1657

01:16:44,830 --> 01:16:42,440

let's see Colorado waving your phone

1658

01:16:47,680 --> 01:16:44,840

around trying to get service it might be

1659

01:16:50,169 --> 01:16:47,690

a Skype Skype issue to call her if you

1660

01:16:51,790 --> 01:16:50,179

are there go ahead and just start

1661

01:16:54,399 --> 01:16:51,800

talking we're going to continue our

1662

01:17:01,870 --> 01:16:54,409

conversation so but go ahead and join us

1663

01:17:03,729 --> 01:17:01,880

at any moment and the number is 14 01

1664

01:17:06,100 --> 01:17:03,739

and I'll leave it at that if your number

1665

01:17:11,590 --> 01:17:06,110

starts with 1401 go ahead and start

1666

01:17:15,970 --> 01:17:11,600

talking but yeah I have crashed them and

1667

01:17:18,459 --> 01:17:15,980

it's not a good feeling me but yeah I

1668

01:17:21,399 --> 01:17:18,469

depend months building it I think that

1669

01:17:24,370 --> 01:17:21,409

it's fairly expensive as well yeah you

1670

01:17:26,140 --> 01:17:24,380

know I mean I've I've had you know

1671

01:17:27,640 --> 01:17:26,150

they're not always catastrophic you know

1672

01:17:29,919 --> 01:17:27,650

a lot of times you just break propellers

1673

01:17:32,500 --> 01:17:29,929

and you have to put a few pieces back

1674

01:17:35,890 --> 01:17:32,510

together but you know it it's all

1675

01:17:40,270 --> 01:17:35,900

they've all been good experiences in

1676

01:17:43,629 --> 01:17:40,280

hindsight because you know you you learn

1677

01:17:44,919 --> 01:17:43,639

from your mistakes generally and so you

1678

01:17:48,340 --> 01:17:44,929

know I feel like they've they've made me

1679

01:17:50,530 --> 01:17:48,350

a better drone pilot you know then then

1680

01:17:52,689 --> 01:17:50,540

had I not you know had those little

1681

01:17:55,660 --> 01:17:52,699

mishaps in the back solutely we learned

1682

01:17:58,030 --> 01:17:55,670

from our mistakes um there is a question

1683

01:18:00,760 --> 01:17:58,040

in chat room from punk thug what up what

1684

01:18:03,669 --> 01:18:00,770

up punk thug he can't call in right now

1685

01:18:05,679 --> 01:18:03,679

but he asks what are some ways drones

1686

01:18:07,779 --> 01:18:05,689

be used or she I might say punk thug

1687

01:18:10,390 --> 01:18:07,789

might be if she I just assumed it was a

1688

01:18:13,000 --> 01:18:10,400

he my bad one way or the other but um

1689

01:18:14,350 --> 01:18:13,010

punk thug can't call but what are some

1690

01:18:19,509 --> 01:18:14,360

ways drones can be used for

1691

01:18:23,310 --> 01:18:19,519

environmental issues um well certainly

1692

01:18:26,290 --> 01:18:23,320

you know data acquisition of all kinds

1693

01:18:30,699 --> 01:18:26,300

you know you can you could have you know

1694

01:18:36,509 --> 01:18:30,709

weather monitoring drones one

1695

01:18:39,279 --> 01:18:36,519

interesting idea is that I've heard is

1696

01:18:40,839 --> 01:18:39,289

you know maybe you know well

1697

01:18:45,189 --> 01:18:40,849

search-and-rescue not that's not really

1698

01:18:47,739 --> 01:18:45,199

environmental but firefighting drones if

1699

01:18:49,509 --> 01:18:47,749

you if you know you know brush fires

1700

01:18:52,080 --> 01:18:49,519

especially out here in California you

1701

01:18:55,719 --> 01:18:52,090

know we're in the middle of drought and

1702

01:18:58,029 --> 01:18:55,729

you know you could send drones in to put

1703

01:19:01,120 --> 01:18:58,039

out small fires you know well in advance

1704

01:19:04,060 --> 01:19:01,130

of you know any any firefighters could

1705

01:19:06,000 --> 01:19:04,070

get there and you know so that that's

1706

01:19:09,939 --> 01:19:06,010

sort of one thing that comes to mind um

1707

01:19:13,959 --> 01:19:09,949

let's see um I don't know what do you

1708

01:19:15,129 --> 01:19:13,969

think I mean pretty much you know I feel

1709

01:19:18,310 --> 01:19:15,139

like there's got to be tons of

1710

01:19:22,649 --> 01:19:18,320

environmental uses that you could use

1711

01:19:28,089 --> 01:19:22,659

them for sure I'd imagine you know um

1712

01:19:30,219 --> 01:19:28,099

going around and and scouring I don't

1713

01:19:33,100 --> 01:19:30,229

know the rain forest or fires like where

1714

01:19:36,189 --> 01:19:33,110

the fire is and how big it has to be and

1715

01:19:37,989 --> 01:19:36,199

like what you need to put out yeah I'm

1716

01:19:39,910 --> 01:19:37,999

sure there's all sorts of uses Punk thug

1717

01:19:41,919 --> 01:19:39,920

if you think of any or if you know of

1718

01:19:43,959 --> 01:19:41,929

any go ahead and I'll let us know in the

1719

01:19:49,270 --> 01:19:43,969

chat room we'd love to talk about them

1720

01:19:51,790 --> 01:19:49,280

online so so yeah so what what us what

1721

01:19:57,549 --> 01:19:51,800

else do you got for us and have you ever

1722

01:19:59,979 --> 01:19:57,559

used a drone you know for for

1723

01:20:02,620 --> 01:19:59,989

entertainment purposes obviously you do

1724

01:20:05,109 --> 01:20:02,630

it Reb you know rectly recreationally as

1725

01:20:08,259 --> 01:20:05,119

a hobby have you ever filmed something

1726

01:20:10,060 --> 01:20:08,269

like a movie using a drone or or send

1727

01:20:13,330 --> 01:20:10,070

stuff up there and something that we

1728

01:20:16,000 --> 01:20:13,340

might know or and not for a job but just

1729

01:20:17,680 --> 01:20:16,010

as a hobby cuz I think you would say

1730

01:20:20,050 --> 01:20:17,690

that well you know

1731

01:20:21,610 --> 01:20:20,060

mean you know I certainly just enjoy I

1732

01:20:25,150 --> 01:20:21,620

mean you can get beautiful pictures from

1733

01:20:27,970 --> 01:20:25,160

the air and you know while there's

1734

01:20:30,310 --> 01:20:27,980

always the the the possibility to you

1735

01:20:32,590 --> 01:20:30,320

know shoot video from a from a you know

1736

01:20:35,229 --> 01:20:32,600

full-size helicopter one of the cool

1737

01:20:37,420 --> 01:20:35,239

things about drones is that they can go

1738

01:20:40,510 --> 01:20:37,430

where full-size helicopters can't you

1739

01:20:42,910 --> 01:20:40,520

know they can fit into small spaces and

1740

01:20:46,000 --> 01:20:42,920

you know go where it might be too risky

1741

01:20:49,479 --> 01:20:46,010

to send a full-size helicopter and so

1742

01:20:52,240 --> 01:20:49,489

you know I I really enjoy going out you

1743

01:20:54,760 --> 01:20:52,250

know early in the morning and you know

1744

01:20:56,979 --> 01:20:54,770

just trying to get beautiful beautiful

1745

01:20:59,200 --> 01:20:56,989

footage and you know there's just really

1746

01:21:01,780 --> 01:20:59,210

some spectacular imagery that you can

1747

01:21:05,380 --> 01:21:01,790

obtain you know with with the camera

1748

01:21:08,740 --> 01:21:05,390

carrying drone so it yet that in and of

1749

01:21:10,090 --> 01:21:08,750

itself is a is a hobby for me and what's

1750

01:21:14,800 --> 01:21:10,100

the most beautiful thing you've ever got

1751

01:21:17,530 --> 01:21:14,810

oh man um I've seen some of your work

1752

01:21:20,200 --> 01:21:17,540

it's pretty it's pretty incredible I

1753

01:21:21,790 --> 01:21:20,210

mean these are shots that are you can't

1754

01:21:23,709 --> 01:21:21,800

get them anywhere else I mean it's

1755

01:21:27,310 --> 01:21:23,719

something that you you can't even get

1756

01:21:29,560 --> 01:21:27,320

from a jib or a crane shot you know yeah

1757

01:21:33,010 --> 01:21:29,570

I mean this stuff is it's high it's

1758

01:21:36,490 --> 01:21:33,020

mighty it's 360 degrees it's it's pretty

1759

01:21:39,040 --> 01:21:36,500

incredible yeah absolutely um yeah I

1760

01:21:41,410 --> 01:21:39,050

mean there's there's just so many you

1761

01:21:43,900 --> 01:21:41,420

know in the cinematography world there's

1762

01:21:46,030 --> 01:21:43,910

so many uses you know like you said you

1763

01:21:49,090 --> 01:21:46,040

can get you know crane shots and you can

1764

01:21:53,110 --> 01:21:49,100

get tracking dolly shots and in addition

1765

01:21:56,229 --> 01:21:53,120

to big you know gigantic wide aerial

1766

01:21:59,740 --> 01:21:56,239

shots that you know show expansive you

1767

01:22:01,600 --> 01:21:59,750

know vista's and so forth so you know

1768

01:22:05,560 --> 01:22:01,610

creatively there's just no end to what

1769

01:22:07,600 --> 01:22:05,570

you can do and you know so that and then

1770

01:22:10,270 --> 01:22:07,610

you know in in combination with you know

1771

01:22:13,120 --> 01:22:10,280

some of the other uses for drones you

1772

01:22:14,620 --> 01:22:13,130

know I just I can't I can't keep coming

1773

01:22:16,330 --> 01:22:14,630

you know I can't keep from coming back

1774

01:22:20,770 --> 01:22:16,340

to the idea that these things are going

1775

01:22:23,650 --> 01:22:20,780

to be really prevalent in our society in

1776

01:22:26,470 --> 01:22:23,660

the future but where do they exist I

1777

01:22:29,830 --> 01:22:26,480

mean you have so you have the you know

1778

01:22:31,430 --> 01:22:29,840

the skyline then you know really high up

1779

01:22:34,130 --> 01:22:31,440

you have planes

1780

01:22:37,280 --> 01:22:34,140

do drones exist somewhere in between I

1781

01:22:39,290 --> 01:22:37,290

mean are they flying around like in

1782

01:22:41,689 --> 01:22:39,300

between where a plane would fly and the

1783

01:22:45,830 --> 01:22:41,699

ground are they are they lower are they

1784

01:22:47,840 --> 01:22:45,840

hire above planes I mean aware if I'm if

1785

01:22:49,700 --> 01:22:47,850

I want to go outside and see drones I

1786

01:22:51,200 --> 01:22:49,710

hear that they're just everywhere but I

1787

01:22:53,420 --> 01:22:51,210

have to say I don't know if I've

1788

01:22:55,520 --> 01:22:53,430

actually ever seen one in real life so

1789

01:22:57,170 --> 01:22:55,530

where would I be able to see one and

1790

01:23:01,729 --> 01:22:57,180

what would I be looking for or looking

1791

01:23:05,090 --> 01:23:01,739

at well I mean you know they certainly

1792

01:23:07,580 --> 01:23:05,100

have the capability of infringing in the

1793

01:23:11,630 --> 01:23:07,590

air space that yet full-sized aircraft

1794

01:23:13,970 --> 01:23:11,640

are operating and you know again that is

1795

01:23:16,250 --> 01:23:13,980

you know a big you know it's a concern

1796

01:23:17,510 --> 01:23:16,260

of mine and it's something that that if

1797

01:23:18,979 --> 01:23:17,520

you know the people out there that are

1798

01:23:21,580 --> 01:23:18,989

interested in getting into this as a

1799

01:23:25,090 --> 01:23:21,590

hobby or otherwise you know need to

1800

01:23:28,520 --> 01:23:25,100

realize that you know you have a

1801

01:23:31,310 --> 01:23:28,530

powerful tool and it requires a bit of

1802

01:23:34,130 --> 01:23:31,320

responsibility to you know to think

1803

01:23:36,530 --> 01:23:34,140

about where your operating it I mean you

1804

01:23:38,959 --> 01:23:36,540

know the earlier I mentioned the

1805

01:23:41,660 --> 01:23:38,969

aeronautical you know err not arrow

1806

01:23:44,689 --> 01:23:41,670

modelers Association you know there are

1807

01:23:46,189 --> 01:23:44,699

some rules and regulations that that

1808

01:23:48,650 --> 01:23:46,199

have sort of been in place I don't know

1809

01:23:51,350 --> 01:23:48,660

if they're strict law but you know

1810

01:23:53,360 --> 01:23:51,360

generally you know it is it's understood

1811

01:23:57,320 --> 01:23:53,370

that you should never operate you know

1812

01:24:00,860 --> 01:23:57,330

of radio-controlled aircraft at greater

1813

01:24:03,830 --> 01:24:00,870

than 400 feet or in the vicinity of an

1814

01:24:06,050 --> 01:24:03,840

airport you know because you know I mean

1815

01:24:08,840 --> 01:24:06,060

even though I mr. but get in the way

1816

01:24:10,910 --> 01:24:08,850

yeah I mean you know even a small drone

1817

01:24:14,020 --> 01:24:10,920

you know could take out an aircraft

1818

01:24:16,670 --> 01:24:14,030

engine and could cause you know serious

1819

01:24:19,970 --> 01:24:16,680

Eagles if seagulls could do it I'd

1820

01:24:21,740 --> 01:24:19,980

imagine a drone could yeah and so you

1821

01:24:22,910 --> 01:24:21,750

know I mean and that's one of the scary

1822

01:24:24,709 --> 01:24:22,920

things is that you know people really

1823

01:24:27,680 --> 01:24:24,719

need to be responsible if they're going

1824

01:24:31,550 --> 01:24:27,690

to do this because it is accessible

1825

01:24:34,910 --> 01:24:31,560

these days and and reasonably affordable

1826

01:24:36,770 --> 01:24:34,920

um so you know that that's a big thing

1827

01:24:40,720 --> 01:24:36,780

you know you know most people aren't

1828

01:24:44,430 --> 01:24:40,730

flying them at extreme altitude and

1829

01:24:47,250 --> 01:24:44,440

James is there certainly capable

1830

01:24:49,200 --> 01:24:47,260

James in the chat room says that there

1831

01:24:52,260 --> 01:24:49,210

was a drone right in front of his porch

1832

01:24:54,060 --> 01:24:52,270

or I'll do the quote from him drone

1833

01:24:58,439 --> 01:24:54,070

right in front of my porch while I was

1834

01:25:02,790 --> 01:24:58,449

doing a bong hit so James that's awesome

1835

01:25:04,500 --> 01:25:02,800

I wonder if that was actually a drone

1836

01:25:06,689 --> 01:25:04,510

that you were seeing or maybe it was

1837

01:25:11,760 --> 01:25:06,699

something from the bong hit itself I'm

1838

01:25:14,670 --> 01:25:11,770

not sure also neutron in the chatroom

1839

01:25:21,120 --> 01:25:14,680

asks how big with the drone have to be

1840

01:25:23,209 --> 01:25:21,130

to lift an IMAX camera well um the imax

1841

01:25:26,160 --> 01:25:23,219

technology is changing pretty

1842

01:25:29,340 --> 01:25:26,170

dramatically as well i mean back in the

1843

01:25:31,410 --> 01:25:29,350

day when when you know I max was shot on

1844

01:25:34,020 --> 01:25:31,420

film and I think I guess it still

1845

01:25:36,870 --> 01:25:34,030

probably is but I do know that a lot of

1846

01:25:41,280 --> 01:25:36,880

large format productions are you have

1847

01:25:42,660 --> 01:25:41,290

gone digital you know with with the you

1848

01:25:44,640 --> 01:25:42,670

know there are a lot of new cameras now

1849

01:25:49,050 --> 01:25:44,650

they're shooting you know greater than

1850

01:25:50,760 --> 01:25:49,060

8k resolution 10k resolution but even so

1851

01:25:53,490 --> 01:25:50,770

that you know in the lenses in

1852

01:25:57,000 --> 01:25:53,500

combination with those are are pretty

1853

01:26:00,689 --> 01:25:57,010

heavy but it's not unreasonable to build

1854

01:26:05,340 --> 01:26:00,699

a drone that could lift say you know

1855

01:26:06,540 --> 01:26:05,350

maybe a 50 or 60 pound payload and you

1856

01:26:10,530 --> 01:26:06,550

know it would be a big it would be a

1857

01:26:13,380 --> 01:26:10,540

powerful machine but I mean you really

1858

01:26:17,520 --> 01:26:13,390

there is no limit you you could you

1859

01:26:20,310 --> 01:26:17,530

could build it but i would say i mean

1860

01:26:24,450 --> 01:26:20,320

they might be referring to you know the

1861

01:26:27,720 --> 01:26:24,460

the IMAX camera of yesteryear you know

1862

01:26:30,570 --> 01:26:27,730

the film camera that I don't man I don't

1863

01:26:33,450 --> 01:26:30,580

know how much they weighed but you know

1864

01:26:36,780 --> 01:26:33,460

I would think a lot like it 80 pounds

1865

01:26:41,270 --> 01:26:36,790

even maybe um and you could build

1866

01:26:46,250 --> 01:26:43,800

how big I don't know I mean there's

1867

01:26:48,390 --> 01:26:46,260

there's a lot of variables involved but

1868

01:26:52,290 --> 01:26:48,400

you'd certainly be dealing with

1869

01:26:58,260 --> 01:26:52,300

something that's you know several meters

1870

01:27:00,330 --> 01:26:58,270

in diameter perhaps but james also

1871

01:27:02,610 --> 01:27:00,340

from the chat room says that the the

1872

01:27:05,070 --> 01:27:02,620

thing he saw was about as big as a small

1873

01:27:06,990 --> 01:27:05,080

bird with four clear wings in a clear

1874

01:27:11,510 --> 01:27:07,000

plastic body does that sound like a

1875

01:27:14,840 --> 01:27:11,520

drone sounds like a drum to me you know

1876

01:27:18,570 --> 01:27:14,850

if it's if it's flying and it's a

1877

01:27:22,470 --> 01:27:18,580

man-made object then I would think it is

1878

01:27:23,940 --> 01:27:22,480

um but you know you know I think another

1879

01:27:26,690 --> 01:27:23,950

thing is people should start referring

1880

01:27:30,450 --> 01:27:26,700

to them as unmanned aerial systems

1881

01:27:33,300 --> 01:27:30,460

because you know the drone I don't know

1882

01:27:36,150 --> 01:27:33,310

it kind of just sounds ominous like we

1883

01:27:38,070 --> 01:27:36,160

like we talked about earlier well that's

1884

01:27:39,840 --> 01:27:38,080

about it for our show today Duncan I

1885

01:27:44,070 --> 01:27:39,850

want to thank you so much for coming on

1886

01:27:46,770 --> 01:27:44,080

I mean I think you had a ton a ton of

1887

01:27:48,450 --> 01:27:46,780

informative information and it was it's

1888

01:27:50,610 --> 01:27:48,460

a big topic there was a lot of people

1889

01:27:53,490 --> 01:27:50,620

online talking about this today so is it

1890

01:27:56,460 --> 01:27:53,500

was really really cool is there anything

1891

01:28:00,960 --> 01:27:56,470

that you want to point us to or anything

1892

01:28:03,840 --> 01:28:00,970

that you know you would like to end this

1893

01:28:06,540 --> 01:28:03,850

this episode of truth funders on well

1894

01:28:09,570 --> 01:28:06,550

you know I mean I think sort of

1895

01:28:12,600 --> 01:28:09,580

enclosing uh you know I would say that

1896

01:28:14,190 --> 01:28:12,610

you know while there's there's a fair

1897

01:28:17,310 --> 01:28:14,200

amount of controversy around drones

1898

01:28:19,080 --> 01:28:17,320

these days and there's the potential to

1899

01:28:22,080 --> 01:28:19,090

do bad things with them there there's

1900

01:28:24,390 --> 01:28:22,090

also you know tremendous potential to do

1901

01:28:26,910 --> 01:28:24,400

really really good things with them that

1902

01:28:30,870 --> 01:28:26,920

that are gonna you know really advanced

1903

01:28:35,400 --> 01:28:30,880

society in positive ways and so you know

1904

01:28:37,170 --> 01:28:35,410

my I would advise and hope that you know

1905

01:28:40,020 --> 01:28:37,180

all the listeners out there if you're

1906

01:28:41,880 --> 01:28:40,030

interested in in getting into drones and

1907

01:28:43,830 --> 01:28:41,890

you know flying drones and you know

1908

01:28:46,800 --> 01:28:43,840

doing all sorts of things that that you

1909

01:28:48,540 --> 01:28:46,810

do it responsibly and you know sort of

1910

01:28:52,200 --> 01:28:48,550

you know realize that you're

1911

01:28:55,260 --> 01:28:52,210

representing the the world of drones by

1912

01:28:56,760 --> 01:28:55,270

by doing it yourself and so you know I

1913

01:29:01,440 --> 01:28:56,770

think responsibility is a really

1914

01:29:04,890 --> 01:29:01,450

important thing to put out there and you

1915

01:29:06,840 --> 01:29:04,900

know I think that you know that we're

1916

01:29:08,700 --> 01:29:06,850

going to see just so much somewhat so

1917

01:29:10,830 --> 01:29:08,710

many more drones in the future that you

1918

01:29:12,200 --> 01:29:10,840

know we want to make sure that you know

1919

01:29:14,690 --> 01:29:12,210

that they're used for good and

1920

01:29:17,440 --> 01:29:14,700

bad there we need to make sure the

1921

01:29:20,300 --> 01:29:17,450

drones are used for love drone love as

1922

01:29:22,100 --> 01:29:20,310

accurate the chatroom said earlier today

1923

01:29:24,560 --> 01:29:22,110

so I'm just going to wrap it up with

1924

01:29:26,330 --> 01:29:24,570

that thank you so much Duncan Clark for

1925

01:29:28,550 --> 01:29:26,340

coming on the show today we truly

1926

01:29:31,420 --> 01:29:28,560

appreciate it I'll be in touch with you

1927

01:29:33,620 --> 01:29:31,430

a little later on I'll give you a call

1928

01:29:35,450 --> 01:29:33,630

thank you everybody in the chat room

1929

01:29:37,340 --> 01:29:35,460

everyone listening live everybody

1930

01:29:39,770 --> 01:29:37,350

listening to this later on this week on

1931

01:29:42,860 --> 01:29:39,780

the podcast on Apple iTunes Thank You

1932

01:29:45,860 --> 01:29:42,870

inception radio network this fur for art

1933

01:29:48,080 --> 01:29:45,870

web and me mark Schwartz this is truth

1934

01:29:50,510 --> 01:29:48,090

funders radio on the inception radio

1935

01:29:53,959 --> 01:29:50,520

network and we will catch you next week