

A night cityscape with a UFO hovering in the sky, emitting a bright beam of light down to the ground. The city lights are visible in the background, and the UFO is a dark, saucer-shaped object with a glowing blue light on its underside. The beam of light is a bright, vertical column of light that illuminates the ground below.

PODCASTUFO.COM

INTERVIEWS OF THE UFO EXPERIENCE

1
00:00:11,690 --> 00:00:09,530
they've seen the aliens buzzing our

2
00:00:13,879 --> 00:00:11,700
missile silence and the UFO phenomena

3
00:00:16,189 --> 00:00:13,889
either we like it or not is already very

4
00:00:19,130 --> 00:00:16,199
much part of our reality very shiny

5
00:00:21,439 --> 00:00:19,140
concentric circles that caused a compass

6
00:00:22,029 --> 00:00:21,449
needle to spin and spin they are very

7
00:00:24,819 --> 00:00:22,039
large

8
00:00:29,829 --> 00:00:24,829
you know I found their stare extremely

9
00:00:32,619 --> 00:00:29,839
difficult to bear hi everyone I'm with

10
00:00:34,060 --> 00:00:32,629
Evan Bernstein from the skeptics guide

11
00:00:36,970 --> 00:00:34,070
to the universe how you doing Evan

12
00:00:39,250 --> 00:00:36,980
Martin I am fine how are you doing I am

13
00:00:42,369 --> 00:00:39,260

doing great I've had another podcast

14

00:00:43,479 --> 00:00:42,379

with Seth Shostak so this is gonna be I

15

00:00:46,270 --> 00:00:43,489

think it's gonna be an interesting

16

00:00:48,579 --> 00:00:46,280

segment with us I want to talk about

17

00:00:49,960 --> 00:00:48,589

your podcast which started a long time

18

00:00:51,670 --> 00:00:49,970

ago mm-hmm

19

00:00:54,640 --> 00:00:51,680

I also want to talk about skepticism

20

00:00:57,520 --> 00:00:54,650

because I do think that there should be

21

00:01:01,509 --> 00:00:57,530

skepticism out there for a lot of things

22

00:01:03,280 --> 00:01:01,519

or actually we learn that way you know

23

00:01:05,710 --> 00:01:03,290

it just depends on how far you take

24

00:01:09,490 --> 00:01:05,720

things but let's talk a little bit about

25

00:01:11,080 --> 00:01:09,500

your podcast first of all sure it's

26

00:01:14,319 --> 00:01:11,090
called the skeptics guide to the

27

00:01:16,569 --> 00:01:14,329
universe our tagline is your escape to

28

00:01:19,810 --> 00:01:16,579
reality and we've been producing the

29

00:01:23,859 --> 00:01:19,820
skeptics guide since May of 2005 we've

30

00:01:25,749 --> 00:01:23,869
got 390 or so episodes in the can and we

31

00:01:29,200 --> 00:01:25,759
also ran for a little while a companion

32

00:01:32,320 --> 00:01:29,210
podcast called SGU 5x5 5 minutes with 5

33

00:01:34,240 --> 00:01:32,330
skeptics which has been you know

34

00:01:35,469 --> 00:01:34,250
critically acclaimed and we've had a

35

00:01:38,710 --> 00:01:35,479
great time doing it ever since

36

00:01:41,289 --> 00:01:38,720
I can't believe as far as the date goes

37

00:01:44,740 --> 00:01:41,299
2005 I I don't think I even heard of a

38

00:01:48,430 --> 00:01:44,750

podcast until like 2007 so how did you

39

00:01:51,370 --> 00:01:48,440

jump on so early we had a friend who

40

00:01:52,840 --> 00:01:51,380

sort of informed us of what was going on

41

00:01:54,280 --> 00:01:52,850

in the scene and thank goodness he did

42

00:01:57,430 --> 00:01:54,290

and he's actually you know not

43

00:01:59,530 --> 00:01:57,440

necessarily a skeptic I'd say um but in

44

00:02:01,960 --> 00:01:59,540

some things he is and what it was going

45

00:02:04,240 --> 00:02:01,970

to be it's an interesting story because

46

00:02:07,570 --> 00:02:04,250

iTunes and podcasting all sort of

47

00:02:09,339 --> 00:02:07,580

started like late 2004 early 2005 is

48

00:02:13,089 --> 00:02:09,349

kind of when it really hit the scene and

49

00:02:16,259 --> 00:02:13,099

at the time myself and Steven novella

50

00:02:20,350 --> 00:02:16,269

and Bob novella and perry deangelis

51
00:02:23,050 --> 00:02:20,360
among others but the four of us were in

52
00:02:24,699 --> 00:02:23,060
a heated series of email exchanges with

53
00:02:27,820 --> 00:02:24,709
a lot of our friends having to do with

54
00:02:29,559 --> 00:02:27,830
of all things politics and we're emails

55
00:02:31,209 --> 00:02:29,569
are flying around faster than you know

56
00:02:32,709 --> 00:02:31,219
we can keep up with and count we're

57
00:02:33,070 --> 00:02:32,719
talking like dozens and dozens and

58
00:02:34,720 --> 00:02:33,080
dozens

59
00:02:36,520 --> 00:02:34,730
emails everyday and it kind of got to be

60
00:02:39,430 --> 00:02:36,530
monotonous one of our friends who were

61
00:02:40,810 --> 00:02:39,440
who is in on this email chain suggested

62
00:02:42,700 --> 00:02:40,820
why don't we just get together one night

63
00:02:44,200 --> 00:02:42,710

and sort of just record our thoughts and

64

00:02:46,240 --> 00:02:44,210

at least you know maybe once a week we

65

00:02:48,190 --> 00:02:46,250

can kind of air it all out and get our

66

00:02:49,750 --> 00:02:48,200

you know discussions going in that way

67

00:02:51,760 --> 00:02:49,760

and then we can go back and listen to it

68

00:02:54,850 --> 00:02:51,770

and you know it would just save a lot of

69

00:02:57,760 --> 00:02:54,860

time it might be much more economical in

70

00:02:59,650 --> 00:02:57,770

the sense and that sort of was the spark

71

00:03:01,450 --> 00:02:59,660

and that gave us a great idea because we

72

00:03:02,890 --> 00:03:01,460

had been running an organization which

73

00:03:08,050 --> 00:03:02,900

is still running called the New England

74

00:03:11,410 --> 00:03:08,060

skeptical society ever since 1996 and we

75

00:03:13,300 --> 00:03:11,420

were sort of looking for a way to get a

76

00:03:15,130 --> 00:03:13,310

wider exposure for our efforts in

77

00:03:16,660 --> 00:03:15,140

skepticism and just being a local group

78

00:03:19,090 --> 00:03:16,670

you know it you can do great stuff but

79

00:03:20,650 --> 00:03:19,100

it can only go so far so we realized hey

80

00:03:22,240 --> 00:03:20,660

well this might be a good idea to

81

00:03:24,070 --> 00:03:22,250

instead of making it into a political

82

00:03:26,800 --> 00:03:24,080

discussion we turn it into a skeptical

83

00:03:30,340 --> 00:03:26,810

program so the four of us got together

84

00:03:32,740 --> 00:03:30,350

we crafted a format and sat down at our

85

00:03:34,750 --> 00:03:32,750

computers and recorded it and that was

86

00:03:37,210 --> 00:03:34,760

it and the rest kind of took over from

87

00:03:39,550 --> 00:03:37,220

there well I actually listened to your

88

00:03:42,850 --> 00:03:39,560

podcast and you know being someone that

89

00:03:43,690 --> 00:03:42,860

is I guess you would call me a UFO

90

00:03:46,930 --> 00:03:43,700

enthusiast

91

00:03:50,350 --> 00:03:46,940

I still enjoy you know in agree with

92

00:03:52,330 --> 00:03:50,360

almost everything you guys say that's

93

00:03:53,979 --> 00:03:52,340

great that's that's better than quite a

94

00:03:55,630 --> 00:03:53,989

few people other people out there so

95

00:03:59,259 --> 00:03:55,640

that that's that's encouraging to hear

96

00:04:02,199 --> 00:03:59,269

but I also still believe that there is

97

00:04:05,890 --> 00:04:02,209

something going on with the UFO

98

00:04:08,979 --> 00:04:05,900

phenomenon that a lot of people just

99

00:04:11,979 --> 00:04:08,989

want to discount as you know crazy talk

100

00:04:13,810 --> 00:04:11,989

so since this shows about UFOs why don't

101
00:04:15,460 --> 00:04:13,820
we why don't we just get started right

102
00:04:17,620 --> 00:04:15,470
into it well first of all I want to ask

103
00:04:20,170 --> 00:04:17,630
you in your opinion what does it mean

104
00:04:23,740 --> 00:04:20,180
for you to be a skeptic what it means is

105
00:04:27,780 --> 00:04:23,750
that it comes down to how you evaluate

106
00:04:30,040 --> 00:04:27,790
claims claims of any kind mundane claims

107
00:04:33,400 --> 00:04:30,050
extraordinary claims and all sorts of

108
00:04:36,750 --> 00:04:33,410
claims in-between all claims deserve

109
00:04:42,040 --> 00:04:36,760
sort of an equal treatment in regards to

110
00:04:44,800 --> 00:04:42,050
plausibility to evidence available to to

111
00:04:47,320 --> 00:04:44,810
being logically sound you know as far as

112
00:04:49,689 --> 00:04:47,330
following the rules of logic that are

113
00:04:51,309 --> 00:04:49,699

that are out there and sort of putting

114

00:04:54,300 --> 00:04:51,319

all these things together to try to get

115

00:04:56,860 --> 00:04:54,310

a better sense of what is probably

116

00:04:58,929 --> 00:04:56,870

likely to be true versus what is

117

00:05:01,230 --> 00:04:58,939

probably likely to be untrue and you

118

00:05:04,240 --> 00:05:01,240

know a lot of things fall on a spectrum

119

00:05:06,850 --> 00:05:04,250

people in science do not like to speak

120

00:05:08,860 --> 00:05:06,860

in terms of absolute right there is no

121

00:05:11,140 --> 00:05:08,870

absolute zero per se and there's no

122

00:05:13,540 --> 00:05:11,150

absolute 100% of anything there's a

123

00:05:15,369 --> 00:05:13,550

spectrum in in between that range and

124

00:05:18,309 --> 00:05:15,379

skepticism sort of follows that pattern

125

00:05:22,540 --> 00:05:18,319

as well so how do you separate the

126

00:05:24,309 --> 00:05:22,550

things that are you know likely or to be

127

00:05:26,559 --> 00:05:24,319

true than those that are less likely to

128

00:05:28,839 --> 00:05:26,569

be true and skepticisms we think is the

129

00:05:31,059 --> 00:05:28,849

primary tool by which people can come to

130

00:05:32,830 --> 00:05:31,069

good conclusions well let me just say

131

00:05:35,260 --> 00:05:32,840

this if everything is relative to your

132

00:05:38,170 --> 00:05:35,270

position then shouldn't you be as

133

00:05:40,570 --> 00:05:38,180

skeptical of your position as you are of

134

00:05:44,350 --> 00:05:40,580

anyone who thinks there is truth behind

135

00:05:48,089 --> 00:05:44,360

UFOs yes absolutely which is why things

136

00:05:50,559 --> 00:05:48,099

such as verification and replication and

137

00:05:52,390 --> 00:05:50,569

consensus these are all very important

138

00:05:55,719 --> 00:05:52,400

aspects of not only science but

139

00:05:58,480 --> 00:05:55,729

skepticism as well we do need to

140

00:06:02,439 --> 00:05:58,490

challenge our own beliefs sometimes we

141

00:06:04,510 --> 00:06:02,449

have built-in biases that inform us or

142

00:06:07,480 --> 00:06:04,520

actually can send us down the wrong path

143

00:06:09,070 --> 00:06:07,490

of thinking in certain cases it we need

144

00:06:11,709 --> 00:06:09,080

you need systems of checks and balances

145

00:06:15,129 --> 00:06:11,719

and you need to bounce ideas off of

146

00:06:18,430 --> 00:06:15,139

other people especially experts in

147

00:06:21,390 --> 00:06:18,440

certain fields when for in my case you

148

00:06:23,709 --> 00:06:21,400

know I am NOT a scientist I rely on

149

00:06:26,320 --> 00:06:23,719

gathering information from people who

150

00:06:29,350 --> 00:06:26,330

are real scientists active in the field

151
00:06:31,300 --> 00:06:29,360
of study who have their you know their

152
00:06:33,519 --> 00:06:31,310
their sleeves rolled up and they are in

153
00:06:35,260 --> 00:06:33,529
it every day they of their lives these

154
00:06:37,510 --> 00:06:35,270
are the kinds of experts that we do like

155
00:06:40,209 --> 00:06:37,520
to go to to gather some of our

156
00:06:42,189 --> 00:06:40,219
information that we need when we come to

157
00:06:43,540 --> 00:06:42,199
some of the conclusions that that we

158
00:06:45,490 --> 00:06:43,550
come to but yeah absolutely being

159
00:06:47,170 --> 00:06:45,500
sceptical of ourselves where we're we're

160
00:06:50,379 --> 00:06:47,180
human everybody's human and just because

161
00:06:52,570 --> 00:06:50,389
someone is a skeptic does not mean that

162
00:06:56,649 --> 00:06:52,580
that washes away all the foibles and

163
00:06:58,269 --> 00:06:56,659

problems of thought when it comes to

164

00:06:59,499 --> 00:06:58,279

being human you do have to check

165

00:07:01,120 --> 00:06:59,509

yourself mm-hmm

166

00:07:03,490 --> 00:07:01,130

one of the things in one of your shows

167

00:07:06,360 --> 00:07:03,500

that I listened to that I totally agreed

168

00:07:09,999 --> 00:07:06,370

with you is when it came to the Denver

169

00:07:11,469 --> 00:07:10,009

UFO sighting recently this was in a show

170

00:07:13,510 --> 00:07:11,479

you did I don't know maybe three or four

171

00:07:17,800 --> 00:07:13,520

weeks ago right you know the first

172

00:07:21,459 --> 00:07:17,810

thought okay it most likely is a bug but

173

00:07:23,170 --> 00:07:21,469

it really is up to in my opinion it's up

174

00:07:26,620 --> 00:07:23,180

to the person that's claiming it is a

175

00:07:28,659 --> 00:07:26,630

UFO to actually go the step further for

176
00:07:31,209 --> 00:07:28,669
instance I believe someone on your show

177
00:07:34,269 --> 00:07:31,219
mentioned that a triangulation of the

178
00:07:36,070 --> 00:07:34,279
members actually answer that and from

179
00:07:37,449 --> 00:07:36,080
what I understand someone was planning

180
00:07:40,990 --> 00:07:37,459
on doing that I don't know if it was

181
00:07:42,459 --> 00:07:41,000
ever done I think it's interesting you

182
00:07:45,100 --> 00:07:42,469
actually take a look at these things and

183
00:07:49,389 --> 00:07:45,110
have oftentimes you do have an answer

184
00:07:54,059 --> 00:07:49,399
for them or at least a suggestion is

185
00:07:56,350 --> 00:07:54,069
what people can do to test and try to

186
00:08:00,189 --> 00:07:56,360
you know verify one way or the other

187
00:08:02,230 --> 00:08:00,199
what it might actually be going on it's

188
00:08:03,639 --> 00:08:02,240

a very important part of the process and

189

00:08:05,350 --> 00:08:03,649

what we see and what we had suggested

190

00:08:06,490 --> 00:08:05,360

and we weren't alone in suggesting that

191

00:08:09,790 --> 00:08:06,500

there were many other people out there

192

00:08:11,680 --> 00:08:09,800

who sort of came to the same idea of a

193

00:08:14,439 --> 00:08:11,690

way that you could possibly test whether

194

00:08:18,070 --> 00:08:14,449

this you know was something unexplained

195

00:08:21,070 --> 00:08:18,080

or unidentified or you know a bug or

196

00:08:24,219 --> 00:08:21,080

some other creature and it's a very

197

00:08:25,839 --> 00:08:24,229

simple test and you're right I haven't

198

00:08:27,579 --> 00:08:25,849

heard that anybody's actually gone out

199

00:08:30,369 --> 00:08:27,589

there and actually performed the test of

200

00:08:33,610 --> 00:08:30,379

a triangulation between multiple cameras

201
00:08:35,709 --> 00:08:33,620
to try to get you know the either

202
00:08:37,569 --> 00:08:35,719
replicate the replicate the effect or

203
00:08:39,159 --> 00:08:37,579
you know confirm one way or another what

204
00:08:42,120 --> 00:08:39,169
what is actually going on if they are in

205
00:08:46,480 --> 00:08:42,130
fact just bugs out there we've also

206
00:08:48,699 --> 00:08:46,490
tapped into our history in other similar

207
00:08:51,730 --> 00:08:48,709
situations in which people have caught

208
00:08:53,590 --> 00:08:51,740
things on camera that had the same sort

209
00:08:56,740 --> 00:08:53,600
of characteristics as the dent as the

210
00:08:59,019 --> 00:08:56,750
December 2012 Denver UFO footage that

211
00:09:02,889 --> 00:08:59,029
you know made its way went viral in its

212
00:09:04,329 --> 00:09:02,899
own right in which it had a lot of the

213
00:09:06,250 --> 00:09:04,339

same features a lot of the same

214

00:09:08,530 --> 00:09:06,260

commonalities the same sort of camera

215

00:09:10,540 --> 00:09:08,540

distance and hard to tell you know

216

00:09:13,030 --> 00:09:10,550

exactly what sort of ranges we're

217

00:09:13,480 --> 00:09:13,040

talking about us scope and depth and

218

00:09:17,609 --> 00:09:13,490

back

219

00:09:20,169 --> 00:09:17,619

and all of that and you know there's a

220

00:09:23,859 --> 00:09:20,179

there's a tool and skepticism we like

221

00:09:25,780 --> 00:09:23,869

called Occam's razor and which means

222

00:09:27,639 --> 00:09:25,790

that when there are multiple or

223

00:09:31,989 --> 00:09:27,649

potentially multiple explanations for

224

00:09:35,139 --> 00:09:31,999

any given phenomenon almost always the

225

00:09:36,970 --> 00:09:35,149

simpler the simplest of the possible

226

00:09:39,429 --> 00:09:36,980

choices turns out to be the one that's

227

00:09:42,280 --> 00:09:39,439

true so while you can't use it as a hard

228

00:09:44,079 --> 00:09:42,290

and fast rule it is a good tool of a

229

00:09:46,769 --> 00:09:44,089

good tool to sort of guide you in the

230

00:09:48,819 --> 00:09:46,779

right direction and you know saying that

231

00:09:50,290 --> 00:09:48,829

coming up with to the conclusion that

232

00:09:51,939 --> 00:09:50,300

these were bugs you know if you're gonna

233

00:09:54,639 --> 00:09:51,949

use Occam's razor that that's kind of

234

00:09:57,369 --> 00:09:54,649

where that leads you and ya know I'm

235

00:09:59,530 --> 00:09:57,379

glad you found that that you're sort of

236

00:10:03,819 --> 00:09:59,540

of the same opinion of us as as far as

237

00:10:05,949 --> 00:10:03,829

that Denver UFO a little bit yeah I do

238

00:10:09,309 --> 00:10:05,959

want to say you know the very best of

239

00:10:11,530 --> 00:10:09,319

the UFO cases a lot of times it comes up

240

00:10:13,569 --> 00:10:11,540

to the number you hear many times over

241

00:10:16,379 --> 00:10:13,579

five percent you know just cannot be

242

00:10:19,030 --> 00:10:16,389

explained with our current mainstream

243

00:10:21,460 --> 00:10:19,040

paradigm what would you say about those

244

00:10:23,799 --> 00:10:21,470

that five percent well okay so you got

245

00:10:25,030 --> 00:10:23,809

the five percent if you if we do want to

246

00:10:26,470 --> 00:10:25,040

you know characterize it like that

247

00:10:30,789 --> 00:10:26,480

that's fine we can we can use that

248

00:10:32,499 --> 00:10:30,799

number but but it's it it's sort of a

249

00:10:34,410 --> 00:10:32,509

leap that you have to take if you're

250

00:10:38,259 --> 00:10:34,420

going to say because something is

251
00:10:40,539 --> 00:10:38,269
unidentified or we can't scientifically

252
00:10:42,309 --> 00:10:40,549
with hard evidence put our fingers on

253
00:10:44,710 --> 00:10:42,319
what is actually going on here it's a

254
00:10:47,410 --> 00:10:44,720
leap to suggest that this might be

255
00:10:50,109 --> 00:10:47,420
something from some sort of craft or

256
00:10:52,780 --> 00:10:50,119
being from that is traveled you know who

257
00:10:56,439 --> 00:10:52,790
knows how far across the cosmos to come

258
00:10:59,319 --> 00:10:56,449
to earth to sort of do these dances and

259
00:11:01,989 --> 00:10:59,329
tricks and shows on the on camera

260
00:11:04,150 --> 00:11:01,999
footage that we pick up it it it takes

261
00:11:06,579 --> 00:11:04,160
more than that to be able to sort of

262
00:11:10,269 --> 00:11:06,589
draw that conclusion but I think people

263
00:11:12,730 --> 00:11:10,279

sort of have a predisposition to come to

264

00:11:14,289 --> 00:11:12,740

conclusions like that because we have

265

00:11:15,879 --> 00:11:14,299

such a great this is just part of being

266

00:11:18,280 --> 00:11:15,889

human and again you know we are all

267

00:11:20,379 --> 00:11:18,290

human skeptics or just as human and

268

00:11:22,150 --> 00:11:20,389

anybody else and they're you know and

269

00:11:23,289 --> 00:11:22,160

well some people are skeptical with some

270

00:11:25,509 --> 00:11:23,299

things they find out they're not so

271

00:11:27,280 --> 00:11:25,519

skeptical that others and what are the

272

00:11:32,280 --> 00:11:27,290

point I'm trying to make here

273

00:11:34,689 --> 00:11:32,290

is that we like to sort of assign our

274

00:11:37,150 --> 00:11:34,699

our own personal thoughts our own

275

00:11:39,579 --> 00:11:37,160

personal desires you know what we want

276

00:11:42,639 --> 00:11:39,589

to be true into things that are

277

00:11:45,370 --> 00:11:42,649

inherently unknown we like to make order

278

00:11:48,100 --> 00:11:45,380

out of chaos in some way and a way for

279

00:11:50,079 --> 00:11:48,110

our for us to rationalize that you know

280

00:11:52,990 --> 00:11:50,089

in our brains is to sort of project

281

00:11:55,329 --> 00:11:53,000

something that is unknown but you know

282

00:11:58,499 --> 00:11:55,339

in that projection we fill it in with

283

00:12:03,870 --> 00:11:58,509

something that we find desirable and the

284

00:12:07,680 --> 00:12:03,880

wanting the desire for there to be other

285

00:12:10,780 --> 00:12:07,690

beings out in the cosmos that are

286

00:12:14,740 --> 00:12:10,790

communicating or in contact with us here

287

00:12:17,290 --> 00:12:14,750

on earth is I think extremely desirable

288

00:12:20,110 --> 00:12:17,300

I think you find 99% of the people in

289

00:12:22,900 --> 00:12:20,120

the world I think would find that a very

290

00:12:25,600 --> 00:12:22,910

very desirable position so when they

291

00:12:28,480 --> 00:12:25,610

don't know what something is they have a

292

00:12:31,329 --> 00:12:28,490

disposition to sort of project that into

293

00:12:33,610 --> 00:12:31,339

the unknown and you you know in

294

00:12:35,769 --> 00:12:33,620

skepticism were taught that that's not

295

00:12:38,980 --> 00:12:35,779

the proper way to go about it you need

296

00:12:40,509 --> 00:12:38,990

more evidence than that and you have to

297

00:12:42,069 --> 00:12:40,519

you know if you don't have the evidence

298

00:12:44,710 --> 00:12:42,079

at hand or the technology is not

299

00:12:46,930 --> 00:12:44,720

available well you just kind of have to

300

00:12:49,600 --> 00:12:46,940

live with it to a certain extent and

301
00:12:51,939 --> 00:12:49,610
hope that you technology comes along one

302
00:12:53,949 --> 00:12:51,949
day which can you know prove things one

303
00:12:55,870 --> 00:12:53,959
way or the other or that some more

304
00:12:57,309 --> 00:12:55,880
evidence becomes gathered in the future

305
00:12:59,319 --> 00:12:57,319
and we can compound that with the

306
00:13:01,120 --> 00:12:59,329
evidence we've already accumulated up to

307
00:13:03,579 --> 00:13:01,130
that time and come to a better

308
00:13:05,439 --> 00:13:03,589
conclusion as to what might possibly go

309
00:13:08,949 --> 00:13:05,449
on I think that's a more responsible way

310
00:13:11,110 --> 00:13:08,959
of dealing with the 5% question well

311
00:13:13,689 --> 00:13:11,120
what's your what's your opinion on dark

312
00:13:17,079 --> 00:13:13,699
matter yeah well okay I'm not a

313
00:13:19,420 --> 00:13:17,089

physicist my opinion on dark matter is

314

00:13:21,790 --> 00:13:19,430

that of the ultimate layman yeah dark

315

00:13:24,150 --> 00:13:21,800

matter is some is certainly one of the

316

00:13:27,420 --> 00:13:24,160

great mysteries of the cosmos that

317

00:13:29,559 --> 00:13:27,430

cosmologists scientists are digging

318

00:13:32,829 --> 00:13:29,569

hearted trying to figure out exactly

319

00:13:34,990 --> 00:13:32,839

what might be going on there it's on

320

00:13:36,879 --> 00:13:35,000

it's unknown at the time exactly we

321

00:13:40,600 --> 00:13:36,889

can't say for sure exactly what dark

322

00:13:42,790 --> 00:13:40,610

matter is we know that there

323

00:13:45,100 --> 00:13:42,800

- scientists are able to measure it and

324

00:13:47,680 --> 00:13:45,110

that comprises I think from what I last

325

00:13:50,680 --> 00:13:47,690

read it's it's it makes up about 23% of

326

00:13:52,329 --> 00:13:50,690

all the matter in the known universe how

327

00:13:54,220 --> 00:13:52,339

they exactly arrived at that I couldn't

328

00:13:55,900 --> 00:13:54,230

say but if your listeners wanted to just

329

00:13:57,850 --> 00:13:55,910

do some double-checking online for that

330

00:14:01,240 --> 00:13:57,860

I'm sure they can come up with some more

331

00:14:03,579 --> 00:14:01,250

and expert opinions that can explain how

332

00:14:07,360 --> 00:14:03,589

that they how they've done the math to

333

00:14:10,720 --> 00:14:07,370

come up with that number and there's a

334

00:14:14,680 --> 00:14:10,730

lot of research currently going on with

335

00:14:16,600 --> 00:14:14,690

that and the latest of which is has to

336

00:14:18,190 --> 00:14:16,610

do with and this was an article that was

337

00:14:20,530 --> 00:14:18,200

sent to us not too long ago which I

338

00:14:22,720 --> 00:14:20,540

found fascinating is that scientists in

339

00:14:26,860 --> 00:14:22,730

the laboratory apparently have achieved

340

00:14:29,319 --> 00:14:26,870

a less than zero temperature in in this

341

00:14:32,290 --> 00:14:29,329

in the Kelvin scale which was thought to

342

00:14:34,449 --> 00:14:32,300

be scientifically impossible for the

343

00:14:36,100 --> 00:14:34,459

longest time but apparently not only

344

00:14:39,300 --> 00:14:36,110

have they done it they've gotten it to

345

00:14:42,639 --> 00:14:39,310

about minus one billionth of a degree

346

00:14:45,220 --> 00:14:42,649

Kelvin which I guess before was sort of

347

00:14:46,900 --> 00:14:45,230

technically impossible but they've done

348

00:14:48,759 --> 00:14:46,910

experiments and apparently they've done

349

00:14:51,100 --> 00:14:48,769

the replications and other people have

350

00:14:54,100 --> 00:14:51,110

confirmed the math that yes in a certain

351

00:14:56,829 --> 00:14:54,110

circumstances you can get below zero

352

00:14:58,870 --> 00:14:56,839

Kelvin which you know a few months ago

353

00:15:00,880 --> 00:14:58,880

was thought to be sort of you know maybe

354

00:15:03,400 --> 00:15:00,890

one of the standards of physics that you

355

00:15:05,199 --> 00:15:03,410

couldn't do it well here we go we've now

356

00:15:07,509 --> 00:15:05,209

have broken sort of through another

357

00:15:10,569 --> 00:15:07,519

barrier and they're saying that this

358

00:15:12,579 --> 00:15:10,579

might actually tie in in some ways to a

359

00:15:17,710 --> 00:15:12,589

better understanding of what dark matter

360

00:15:20,560 --> 00:15:17,720

is so science is such a wonderful

361

00:15:22,870 --> 00:15:20,570

wonderful tool in that regards and that

362

00:15:25,000 --> 00:15:22,880

it always it really punctures the

363

00:15:28,030 --> 00:15:25,010

boundaries and pushes forth new

364

00:15:30,430 --> 00:15:28,040

frontiers and it allows us to add to our

365

00:15:32,500 --> 00:15:30,440

already accumulated set of knowledge

366

00:15:34,509 --> 00:15:32,510

that we've gotten and yeah we sometimes

367

00:15:37,780 --> 00:15:34,519

have to go back and sort of revise

368

00:15:39,519 --> 00:15:37,790

things a bit as to how we thought the

369

00:15:42,069 --> 00:15:39,529

universe you know was working under the

370

00:15:43,750 --> 00:15:42,079

information we had at the time but with

371

00:15:47,590 --> 00:15:43,760

new information requires a new

372

00:15:49,720 --> 00:15:47,600

assessment of things one of the things

373

00:15:52,600 --> 00:15:49,730

that comes to mind is you know we're out

374

00:15:53,800 --> 00:15:52,610

there exploring and Kepler recently is

375

00:15:57,130 --> 00:15:53,810

coming up with a think

376

00:16:00,010 --> 00:15:57,140

maybe a hundred billion planets in our

377

00:16:03,310 --> 00:16:00,020

in our galaxy alone nevermind the

378

00:16:04,810 --> 00:16:03,320

universe mm-hmm our solar system is

379

00:16:07,780 --> 00:16:04,820

fairly young I'm sure you know that it's

380

00:16:11,500 --> 00:16:07,790

you know four billion compared to what

381

00:16:14,260 --> 00:16:11,510

could be much older solar systems out

382

00:16:18,850 --> 00:16:14,270

there sure we're out there exploring now

383

00:16:22,510 --> 00:16:18,860

we're out we're on Mars why would the

384

00:16:25,000 --> 00:16:22,520

skeptic think that it's not possible or

385

00:16:28,210 --> 00:16:25,010

some beings from another-- say solar

386

00:16:30,130 --> 00:16:28,220

system may be visiting us yeah well I

387

00:16:33,280 --> 00:16:30,140

wouldn't say not possible I would rather

388

00:16:35,650 --> 00:16:33,290

phrase that as highly improbable

389

00:16:37,810 --> 00:16:35,660

or high I wouldn't even call it

390

00:16:39,790 --> 00:16:37,820

implausible I'd say just the odds are

391

00:16:41,590 --> 00:16:39,800

against it because there's so much going

392

00:16:44,920 --> 00:16:41,600

against it from what we understand of

393

00:16:47,380 --> 00:16:44,930

the physical universe we haven't found a

394

00:16:50,800 --> 00:16:47,390

way yet to you know get through the

395

00:16:57,180 --> 00:16:50,810

whole speed of life limitation the the

396

00:17:00,520 --> 00:16:57,190

cosmic constant of the universe so to us

397

00:17:03,610 --> 00:17:00,530

to understand the universe and the

398

00:17:06,429 --> 00:17:03,620

cosmos based on those scales we're

399

00:17:11,140 --> 00:17:06,439

talking about having to travel some

400

00:17:14,679 --> 00:17:11,150

pretty far distances in very long

401
00:17:18,370 --> 00:17:14,689
amounts amounts of time in order for you

402
00:17:20,410 --> 00:17:18,380
know what would be aliens for lack of a

403
00:17:22,620 --> 00:17:20,420
better term to you know come and visit

404
00:17:25,569 --> 00:17:22,630
us now that doesn't mean it can't happen

405
00:17:28,630 --> 00:17:25,579
it just means that there are a lot of

406
00:17:31,180 --> 00:17:28,640
factors going against it having Happ

407
00:17:33,880 --> 00:17:31,190
having so far happened or you know may

408
00:17:36,790 --> 00:17:33,890
may not actually happen anytime in the

409
00:17:38,919 --> 00:17:36,800
near future but you know again our

410
00:17:41,200 --> 00:17:38,929
understanding of the cosmos is imperfect

411
00:17:47,200 --> 00:17:41,210
as you know we've talked about just a

412
00:17:49,390 --> 00:17:47,210
little while ago and it would it would

413
00:17:52,750 --> 00:17:49,400

be you know such a tremendous thing I

414

00:17:57,340 --> 00:17:52,760

don't think skeptics say outright know

415

00:18:00,130 --> 00:17:57,350

that it's not possible but just that

416

00:18:01,960 --> 00:18:00,140

it's highly improbable given what we

417

00:18:03,760 --> 00:18:01,970

know about the universe and based on

418

00:18:07,120 --> 00:18:03,770

based on a lot of the math that's done

419

00:18:11,350 --> 00:18:07,130

that's right and in my opinion

420

00:18:14,020 --> 00:18:11,360

that's what we know now but who's to say

421

00:18:17,260 --> 00:18:14,030

that an advanced civilization possibly

422

00:18:19,060 --> 00:18:17,270

can you imagine our civilization if we

423

00:18:21,940 --> 00:18:19,070

could advance another even thousand

424

00:18:25,960 --> 00:18:21,950

years from now oh my gosh I wish I were

425

00:18:28,390 --> 00:18:25,970

around for that and NASA is working on

426
00:18:30,610 --> 00:18:28,400
something called a warp bubble that they

427
00:18:33,279 --> 00:18:30,620
think that is gonna change everything as

428
00:18:36,400 --> 00:18:33,289
far as travel have you heard anything

429
00:18:38,080 --> 00:18:36,410
about that no no I I can't say I've

430
00:18:39,789 --> 00:18:38,090
really followed that at all I think I've

431
00:18:42,460 --> 00:18:39,799
heard it suggested a couple places I

432
00:18:45,120 --> 00:18:42,470
haven't read any articles on it I would

433
00:18:47,799 --> 00:18:45,130
have you know I can just venture

434
00:18:50,560 --> 00:18:47,809
by-the-by the description of it that it

435
00:18:54,880 --> 00:18:50,570
is a means of you know like you said

436
00:18:56,470 --> 00:18:54,890
warping time and space into some sort of

437
00:18:59,590 --> 00:18:56,480
I don't know if there are they talking

438
00:19:01,870 --> 00:18:59,600

about wormholes at all in it's not in

439

00:19:04,779 --> 00:19:01,880

particular let me read here the answer

440

00:19:06,850 --> 00:19:04,789

lies precisely in those laws of physics

441

00:19:09,789 --> 00:19:06,860

dr. white and other physicists have

442

00:19:12,940 --> 00:19:09,799

found loopholes in some mathematical

443

00:19:15,370 --> 00:19:12,950

equations loopholes that indicate that

444

00:19:18,340 --> 00:19:15,380

warping the space-time fabric is indeed

445

00:19:21,909 --> 00:19:18,350

possible and later on it indicates

446

00:19:23,950 --> 00:19:21,919

possibly up to 10 times or more faster

447

00:19:26,320 --> 00:19:23,960

than the speed of light we'll put this

448

00:19:28,810 --> 00:19:26,330

in the show notes a link to it and I

449

00:19:31,720 --> 00:19:28,820

actually contacted someone at NASA the

450

00:19:34,419 --> 00:19:31,730

the the person that was involved in this

451
00:19:37,299 --> 00:19:34,429
and he said it's it's absolutely true

452
00:19:38,890 --> 00:19:37,309
what they're working on mm-hmm so did

453
00:19:40,690 --> 00:19:38,900
they mention and when you spoke to the

454
00:19:42,430 --> 00:19:40,700
person NASA sort of what the energy

455
00:19:44,590 --> 00:19:42,440
requirements would be for something like

456
00:19:46,270 --> 00:19:44,600
that when we talk because I know in the

457
00:19:48,850 --> 00:19:46,280
past on the show and we've talked about

458
00:19:51,220 --> 00:19:48,860
sort of futuristic technologies you know

459
00:19:53,740 --> 00:19:51,230
think places we would to the Star Trek

460
00:19:55,529 --> 00:19:53,750
ish sort of universe places you know we

461
00:19:58,060 --> 00:19:55,539
would eventually like to be able to go

462
00:20:00,760 --> 00:19:58,070
as far as what we have in our minds of

463
00:20:03,279 --> 00:20:00,770

what cool future technologies what would

464

00:20:04,630 --> 00:20:03,289

hold for us if you were to apply them to

465

00:20:07,180 --> 00:20:04,640

what sort of what we know today and you

466

00:20:09,039 --> 00:20:07,190

take something like a transporter for

467

00:20:10,600 --> 00:20:09,049

example for anyone who listens you know

468

00:20:12,100 --> 00:20:10,610

know is familiar with Star Trek and

469

00:20:14,830 --> 00:20:12,110

transporting your molecules from one

470

00:20:17,530 --> 00:20:14,840

place to another I've heard it said that

471

00:20:21,340 --> 00:20:17,540

it would take about as much energy as

472

00:20:24,340 --> 00:20:21,350

perhaps the entire galaxy spits out

473

00:20:26,140 --> 00:20:24,350

overall over a course of time so how do

474

00:20:28,720 --> 00:20:26,150

you go about harnessing that much ne and

475

00:20:30,279 --> 00:20:28,730

I wonder if yes if they're within

476

00:20:32,740 --> 00:20:30,289

regards to the warp bubble you come back

477

00:20:35,590 --> 00:20:32,750

to that is this something that requires

478

00:20:37,570 --> 00:20:35,600

such large amounts of energy that we

479

00:20:39,549 --> 00:20:37,580

could really that it's not in our near

480

00:20:41,159 --> 00:20:39,559

future to make this happen or if it is

481

00:20:43,600 --> 00:20:41,169

something that they feel well maybe

482

00:20:46,240 --> 00:20:43,610

nuclear technology somehow would play a

483

00:20:49,750 --> 00:20:46,250

role in it and they it could be feasible

484

00:20:50,409 --> 00:20:49,760

in you know within a few generations or

485

00:20:52,510 --> 00:20:50,419

something like that

486

00:20:54,159 --> 00:20:52,520

I mentioned something about negative

487

00:20:55,570 --> 00:20:54,169

energy mm-hmm

488

00:20:59,799 --> 00:20:55,580

I don't know if that's like antimatter

489

00:21:01,600 --> 00:20:59,809

or exactly what no I couldn't say you're

490

00:21:03,570 --> 00:21:01,610

right it is all interesting it's all

491

00:21:06,310 --> 00:21:03,580

fascinating stuff

492

00:21:09,279 --> 00:21:06,320

I'll just interject for a moment you

493

00:21:12,130 --> 00:21:09,289

know something that many skeptics are

494

00:21:13,539 --> 00:21:12,140

very fond of the work of Carl Sagan not

495

00:21:16,630 --> 00:21:13,549

only as a scientist but as a

496

00:21:20,260 --> 00:21:16,640

communicator of science and a purveyor

497

00:21:22,330 --> 00:21:20,270

of skepticism and critical thinking and

498

00:21:24,039 --> 00:21:22,340

he will he once wrote oh I'm sure he's

499

00:21:26,260 --> 00:21:24,049

written many times in several of his

500

00:21:28,240 --> 00:21:26,270

books and given in interviews that he

501
00:21:31,570 --> 00:21:28,250
would love nothing for there's nothing

502
00:21:35,110 --> 00:21:31,580
more to be alien visitors ships visiting

503
00:21:36,909 --> 00:21:35,120
the earth and you know making either

504
00:21:39,549 --> 00:21:36,919
communications in some way with with

505
00:21:41,950 --> 00:21:39,559
beings or even the the phenomenon of

506
00:21:43,659 --> 00:21:41,960
what is known as alien abductions you

507
00:21:46,180 --> 00:21:43,669
know if that were to actually be

508
00:21:48,940 --> 00:21:46,190
occurring he would he would be delighted

509
00:21:51,880 --> 00:21:48,950
actually if these sorts of things were

510
00:21:55,419 --> 00:21:51,890
actually happening but he says he is

511
00:21:57,789 --> 00:21:55,429
anchored by the hard evidence and the

512
00:22:00,789 --> 00:21:57,799
scientific evidence which dictates

513
00:22:03,250 --> 00:22:00,799

otherwise and in the history of UFO

514

00:22:05,529 --> 00:22:03,260

phenomenon which dates a very very long

515

00:22:09,850 --> 00:22:05,539

time he says there have always been

516

00:22:12,850 --> 00:22:09,860

stories anecdotes eyewitness accounts

517

00:22:14,830 --> 00:22:12,860

and explanation and and and you know

518

00:22:17,289 --> 00:22:14,840

people's descriptions of these sorts of

519

00:22:20,710 --> 00:22:17,299

things happening to them he said but

520

00:22:23,289 --> 00:22:20,720

never is there any tangible scientific

521

00:22:26,399 --> 00:22:23,299

evidence that you can attach to any of

522

00:22:29,500 --> 00:22:26,409

these claims he says not never not one

523

00:22:31,390 --> 00:22:29,510

piece in the entire history of the

524

00:22:33,850 --> 00:22:31,400

phenomenon which really spans a very

525

00:22:38,470 --> 00:22:33,860

long time even pre Roswell

526
00:22:43,019 --> 00:22:38,480
so and we as skeptics you know agree

527
00:22:47,080 --> 00:22:43,029
with that opinion and that sort of

528
00:22:49,720 --> 00:22:47,090
cautiousness and caution when it comes

529
00:22:53,560 --> 00:22:49,730
to again want the difference between

530
00:22:56,710 --> 00:22:53,570
wanting things to be true yet at the

531
00:22:59,409 --> 00:22:56,720
same time being tethered to the evidence

532
00:23:02,590 --> 00:22:59,419
we have at hand which suggests otherwise

533
00:23:03,250 --> 00:23:02,600
I hope that makes sense I understand

534
00:23:05,830 --> 00:23:03,260
what you're saying

535
00:23:09,730 --> 00:23:05,840
you know there's there is supposed to be

536
00:23:13,539 --> 00:23:09,740
no I have never seen this documented but

537
00:23:18,100 --> 00:23:13,549
somewhere between 3,500 and 5,000 trace

538
00:23:21,129 --> 00:23:18,110

landing cases in evidence landing cases

539

00:23:24,220 --> 00:23:21,139

where there was radiation or some type

540

00:23:27,070 --> 00:23:24,230

of burn areas and places like that

541

00:23:29,590 --> 00:23:27,080

there's also radar tapes of objects

542

00:23:32,590 --> 00:23:29,600

flying much faster than anything that

543

00:23:35,379 --> 00:23:32,600

our technology can offer as well as

544

00:23:38,560 --> 00:23:35,389

making writing angled turns you know

545

00:23:41,080 --> 00:23:38,570

something that a natural phenomenon cite

546

00:23:43,960 --> 00:23:41,090

a fireball or something like that could

547

00:23:48,159 --> 00:23:43,970

never do have you ever looked into any

548

00:23:51,310 --> 00:23:48,169

of these things well as far as we go in

549

00:23:53,950 --> 00:23:51,320

our investigations we've not really

550

00:23:55,899 --> 00:23:53,960

delved personally into UFO

551

00:23:59,740 --> 00:23:55,909

investigations there are others out

552

00:24:01,210 --> 00:23:59,750

there who have backgrounds that allow

553

00:24:03,490 --> 00:24:01,220

them and afford them to be able to

554

00:24:05,590 --> 00:24:03,500

pursue those kinds of investigations I

555

00:24:09,159 --> 00:24:05,600

can't say that we've actually physically

556

00:24:10,840 --> 00:24:09,169

done an investigation into into UFOs you

557

00:24:13,659 --> 00:24:10,850

know we've done ghosts and we've done

558

00:24:15,279 --> 00:24:13,669

psychics and we've done other topics

559

00:24:16,539 --> 00:24:15,289

such as alternative medicine and those

560

00:24:18,610 --> 00:24:16,549

are the sorts of things that we have

561

00:24:20,950 --> 00:24:18,620

done but I know what you're talking

562

00:24:25,060 --> 00:24:20,960

about and I know what you're alluding to

563

00:24:27,129 --> 00:24:25,070

these are a lot of things that do are

564

00:24:29,230 --> 00:24:27,139

described in many of the accounts there

565

00:24:31,990 --> 00:24:29,240

are videotapes of them there are things

566

00:24:34,570 --> 00:24:32,000

that appear on radar screens right that

567

00:24:37,470 --> 00:24:34,580

people in the airforce and you know air

568

00:24:39,879 --> 00:24:37,480

traffic controllers pilots in the sky

569

00:24:43,960 --> 00:24:39,889

astronauts in space and they've all

570

00:24:47,750 --> 00:24:43,970

claimed to see their see or experience

571

00:24:53,330 --> 00:24:47,760

something that they simply can't explain

572

00:24:55,580 --> 00:24:53,340

and you know as a skeptic I I also have

573

00:24:58,040 --> 00:24:55,590

to say you know we can't really offer an

574

00:25:01,010 --> 00:24:58,050

explanation for many first well some of

575

00:25:03,670 --> 00:25:01,020

these things right off right off the bat

576
00:25:08,420 --> 00:25:03,680
that you know some things are unknown

577
00:25:12,080 --> 00:25:08,430
but just because you know something is

578
00:25:14,120 --> 00:25:12,090
unknown it doesn't again and it go back

579
00:25:17,690 --> 00:25:14,130
to saying it doesn't mean that that we

580
00:25:19,760 --> 00:25:17,700
have the luxury to go ahead and say all

581
00:25:21,740 --> 00:25:19,770
right well then that's that's an alien

582
00:25:24,710 --> 00:25:21,750
or that that's that's something from

583
00:25:27,620 --> 00:25:24,720
another world that that that is causing

584
00:25:29,870 --> 00:25:27,630
this to happen it's it's too far a step

585
00:25:31,760 --> 00:25:29,880
to be able to take and we need more

586
00:25:33,650 --> 00:25:31,770
evidence we need corroborating evidence

587
00:25:35,420 --> 00:25:33,660
we need physical evidence we need

588
00:25:39,710 --> 00:25:35,430

scientific evidence that follows the

589

00:25:41,630 --> 00:25:39,720

rules of logic and stands up to

590

00:25:44,660 --> 00:25:41,640

scientific scrutiny as Carl Sagan used

591

00:25:47,960 --> 00:25:44,670

to say again I don't mean to quote him

592

00:25:50,030 --> 00:25:47,970

so so often but yeah he's sort of one of

593

00:25:52,850 --> 00:25:50,040

our go-to guys in this extraordinary

594

00:25:55,490 --> 00:25:52,860

claims do require more extraordinary

595

00:25:58,670 --> 00:25:55,500

evidence and that's what we're hoping

596

00:26:01,910 --> 00:25:58,680

that one day we'll come to the to the

597

00:26:05,900 --> 00:26:01,920

forefront Carl Sagan also said that when

598

00:26:07,940 --> 00:26:05,910

he believed that if there were aliens

599

00:26:10,100 --> 00:26:07,950

and there were ships visiting the earth

600

00:26:12,080 --> 00:26:10,110

it's not going to be the kind of thing

601
00:26:13,850 --> 00:26:12,090
that gets picked up on a security camera

602
00:26:15,560 --> 00:26:13,860
somewhere someone happens to be shooting

603
00:26:17,480 --> 00:26:15,570
something off in the distance or a blip

604
00:26:19,190 --> 00:26:17,490
on a radar he said it's gonna you're

605
00:26:21,770 --> 00:26:19,200
gonna know it like the movie

606
00:26:24,140 --> 00:26:21,780
Independence Day right with these 15

607
00:26:26,630 --> 00:26:24,150
mile wide ships that park themselves

608
00:26:28,610 --> 00:26:26,640
over all of the major cities it's it

609
00:26:30,860 --> 00:26:28,620
would be more of probably more of an

610
00:26:33,410 --> 00:26:30,870
event like that it hopefully it would be

611
00:26:35,110 --> 00:26:33,420
as benign as that and if you know would

612
00:26:37,910 --> 00:26:35,120
be unfortunate with something much or

613
00:26:39,770 --> 00:26:37,920

much more worse than that you know an

614

00:26:43,520 --> 00:26:39,780

invasive sort of species coming at us

615

00:26:46,240 --> 00:26:43,530

but he regardless he believed that you

616

00:26:49,340 --> 00:26:46,250

know we'll we'll know without a doubt

617

00:26:51,140 --> 00:26:49,350

that something something extraordinary

618

00:26:54,560 --> 00:26:51,150

has happened there's not going to be

619

00:26:55,940 --> 00:26:54,570

whispers suggestions hints anecdotes and

620

00:26:59,270 --> 00:26:55,950

these sorts of things it's going to be

621

00:27:01,070 --> 00:26:59,280

ironclad no doubt about it everybody in

622

00:27:03,410 --> 00:27:01,080

the world will be able to see

623

00:27:05,960 --> 00:27:03,420

and experience that with no filtration

624

00:27:08,270 --> 00:27:05,970

whatsoever that will be the moment and

625

00:27:10,280 --> 00:27:08,280

you know that would be an extremely

626

00:27:13,970 --> 00:27:10,290

exciting thing if that ever happened I

627

00:27:16,910 --> 00:27:13,980

agree I'm a fan of Carl Sagan's myself

628

00:27:19,810 --> 00:27:16,920

basically one of his phrases if I can

629

00:27:22,040 --> 00:27:19,820

paraphrase and remember correctly

630

00:27:24,200 --> 00:27:22,050

absence of evidence does not mean

631

00:27:25,190 --> 00:27:24,210

evidence of absence mm-hmm yes

632

00:27:26,630 --> 00:27:25,200

absolutely

633

00:27:28,940 --> 00:27:26,640

I don't know if he borrowed that from

634

00:27:30,650 --> 00:27:28,950

somebody else I've heard it mentioned by

635

00:27:34,100 --> 00:27:30,660

many people and written down in several

636

00:27:36,380 --> 00:27:34,110

locations but sure you know if anyone

637

00:27:39,530 --> 00:27:36,390

made that pop that saying popular it was

638

00:27:41,210 --> 00:27:39,540

probably Carl you know that is a good

639

00:27:44,090 --> 00:27:41,220

thing to keep in mind the source of all

640

00:27:47,840 --> 00:27:44,100

the little rules of skepticism that over

641

00:27:49,700 --> 00:27:47,850

time as people you know get a sense for

642

00:27:51,110 --> 00:27:49,710

what skepticism is and sort of practice

643

00:27:54,020 --> 00:27:51,120

it more in their in their day to day

644

00:27:58,000 --> 00:27:54,030

lives they'll they come to adapt these

645

00:28:03,710 --> 00:27:58,010

sorts of little rules of evidence and

646

00:28:05,180 --> 00:28:03,720

and logic that help like I said help

647

00:28:07,190 --> 00:28:05,190

them make up help them make up their

648

00:28:10,520 --> 00:28:07,200

minds as far as what is actually going

649

00:28:13,070 --> 00:28:10,530

on versus what is not going on one of

650

00:28:15,350 --> 00:28:13,080

the things that I find is one of the

651
00:28:17,870 --> 00:28:15,360
sightings I think is very interesting is

652
00:28:20,360 --> 00:28:17,880
and I don't know if your show ever

653
00:28:22,820 --> 00:28:20,370
looked into the Phoenix lights I'm

654
00:28:27,110 --> 00:28:22,830
familiar with the story was 1997 the

655
00:28:29,780 --> 00:28:27,120
Phoenix yeah you know there was indeed

656
00:28:33,020 --> 00:28:29,790
flares shot off that night mm-hmm

657
00:28:36,080 --> 00:28:33,030
there was also thousands of people that

658
00:28:37,850 --> 00:28:36,090
saw some type of craft up to a mile wide

659
00:28:40,070 --> 00:28:37,860
mm-hmm

660
00:28:42,470 --> 00:28:40,080
you know including the governor of

661
00:28:44,930 --> 00:28:42,480
Arizona himself who later I email with

662
00:28:47,240 --> 00:28:44,940
it 10 years I believe about 10 years

663
00:28:51,380 --> 00:28:47,250

later how are you all so familiar with

664

00:28:52,850 --> 00:28:51,390

the cameto report not that report

665

00:28:55,700 --> 00:28:52,860

specifically go ahead and paraphrase

666

00:28:58,460 --> 00:28:55,710

well it's it's a French report that was

667

00:29:01,730 --> 00:28:58,470

done and basically going back to Occam's

668

00:29:03,860 --> 00:29:01,740

razor one of the hypotheses so the

669

00:29:08,380 --> 00:29:03,870

strongest hypotheses was that the very

670

00:29:10,730 --> 00:29:08,390

few percentage of sightings that were

671

00:29:13,670 --> 00:29:10,740

unexplainable were most likely

672

00:29:14,779 --> 00:29:13,680

extraterrestrial that was what the

673

00:29:19,129 --> 00:29:14,789

French came out with

674

00:29:22,039 --> 00:29:19,139

now before I just say that in you know

675

00:29:25,219 --> 00:29:22,049

fall completely on top of that and use

676
00:29:27,139 --> 00:29:25,229
them whatever I want to say that that is

677
00:29:29,719 --> 00:29:27,149
a mistake that I think a lot of people

678
00:29:31,719 --> 00:29:29,729
make with the UFO argument is to say

679
00:29:34,459 --> 00:29:31,729
that these are definitely

680
00:29:37,369 --> 00:29:34,469
extraterrestrial I would like to say my

681
00:29:38,839 --> 00:29:37,379
feeling is I don't know but there's

682
00:29:42,349 --> 00:29:38,849
something there's something there that

683
00:29:45,319 --> 00:29:42,359
has happened yes it is happening no

684
00:29:47,389 --> 00:29:45,329
doubt I definitely something is you're

685
00:29:49,519 --> 00:29:47,399
right something is happening there's no

686
00:29:51,319 --> 00:29:49,529
doubt about that there's not I really

687
00:29:52,939 --> 00:29:51,329
don't think there's mass hallucinations

688
00:29:55,399 --> 00:29:52,949

going on especially in regards to

689

00:29:57,169 --> 00:29:55,409

something like the Phoenix lights in

690

00:29:58,549 --> 00:29:57,179

which there have been you know is tons

691

00:30:00,139 --> 00:29:58,559

of video accounts of it you know

692

00:30:02,239 --> 00:30:00,149

thousands of people if you know have

693

00:30:05,899 --> 00:30:02,249

come forward and you know explained what

694

00:30:07,399 --> 00:30:05,909

they saw that night and yeah you're but

695

00:30:08,839 --> 00:30:07,409

you're but you're right you're right and

696

00:30:11,299 --> 00:30:08,849

showing the proper amount of skepticism

697

00:30:14,239 --> 00:30:11,309

there's that you know with in regards to

698

00:30:17,059 --> 00:30:14,249

that French report that it was premature

699

00:30:18,909 --> 00:30:17,069

of them perhaps to go ahead and state

700

00:30:21,229 --> 00:30:18,919

something as such a hard fact without

701
00:30:23,509 --> 00:30:21,239
having more evidence at their disposal

702
00:30:25,399 --> 00:30:23,519
to back it up it was basically the

703
00:30:28,969 --> 00:30:25,409
conclusion that they came up with after

704
00:30:31,609 --> 00:30:28,979
a very hard study and it's a very

705
00:30:34,099 --> 00:30:31,619
interesting case and it is translated in

706
00:30:37,219 --> 00:30:34,109
English I want to go back I'm gonna

707
00:30:39,859 --> 00:30:37,229
start in just a few minutes with I have

708
00:30:43,729 --> 00:30:39,869
it looks like about five or so questions

709
00:30:45,409 --> 00:30:43,739
from listeners sure but before I get to

710
00:30:48,799 --> 00:30:45,419
that I want to talk about the most

711
00:30:50,659 --> 00:30:48,809
well-known UFO incident that we can

712
00:30:59,029 --> 00:30:50,669
think of and I'll let you answer what

713
00:31:01,759 --> 00:30:59,039

that is Roswell here's the thing I'm

714

00:31:02,989 --> 00:31:01,769

gonna say my side of Roswell and then I

715

00:31:05,389 --> 00:31:02,999

want you to say what you think about

716

00:31:08,059 --> 00:31:05,399

Roswell in the biggest argument I have

717

00:31:11,449 --> 00:31:08,069

about Roswell that it could be something

718

00:31:14,599 --> 00:31:11,459

is I don't believe there's any way on

719

00:31:17,930 --> 00:31:14,609

earth that the Army Air Force at that

720

00:31:21,199 --> 00:31:17,940

time I believe they were handling at

721

00:31:23,449 --> 00:31:21,209

least one nuclear weapon with you know

722

00:31:26,839 --> 00:31:23,459

trained military why they would let a

723

00:31:28,210 --> 00:31:26,849

press release go out that said the US

724

00:31:30,880 --> 00:31:28,220

Army Air Force has

725

00:31:33,460 --> 00:31:30,890

captured a flying disc near Roswell

726

00:31:34,600 --> 00:31:33,470

that's my first point I'd like to make

727

00:31:37,419 --> 00:31:34,610

mm-hmm

728

00:31:39,789 --> 00:31:37,429

secondly I'd like to say that the Air

729

00:31:41,409 --> 00:31:39,799

Force changed their mind now I

730

00:31:44,409 --> 00:31:41,419

understand you know the weather balloon

731

00:31:48,250 --> 00:31:44,419

and then later the mogul and the mogul

732

00:31:50,770 --> 00:31:48,260

was top secret and lava but now I

733

00:31:52,690 --> 00:31:50,780

understand all this and there was people

734

00:31:54,940 --> 00:31:52,700

saying that there were beings okay

735

00:31:57,100 --> 00:31:54,950

instead of the Air Force totally denying

736

00:31:59,590 --> 00:31:57,110

that they came out with a crash dummy

737

00:32:03,039 --> 00:31:59,600

story the crash dummies were not even

738

00:32:05,740 --> 00:32:03,049

used until 1952 and this is all

739

00:32:09,610 --> 00:32:05,750

documented now a lot of people have come

740

00:32:12,460 --> 00:32:09,620

forth on deathbed confessions that they

741

00:32:16,480 --> 00:32:12,470

actually witness this and which is

742

00:32:17,799 --> 00:32:16,490

admissible in court and that's basically

743

00:32:19,180 --> 00:32:17,809

all I wanted to throw at you about

744

00:32:21,659 --> 00:32:19,190

Roswell and just hear what you had to

745

00:32:24,299 --> 00:32:21,669

say about all that it is one of the

746

00:32:28,210 --> 00:32:24,309

considered one of the great American

747

00:32:31,899 --> 00:32:28,220

stories shall we say of the 20 of the

748

00:32:35,980 --> 00:32:31,909

20th century and sort of defined what

749

00:32:37,720 --> 00:32:35,990

became the modern UFO movement the

750

00:32:40,960 --> 00:32:37,730

culture which what I always refer to as

751

00:32:42,820 --> 00:32:40,970

a cultural movement that has a that

752

00:32:46,600 --> 00:32:42,830

occurred since night since then since

753

00:32:51,399 --> 00:32:46,610

the the mid 40s 1940s boy everything you

754

00:32:53,860 --> 00:32:51,409

raised are you know our point of the

755

00:32:59,220 --> 00:32:53,870

entire longer part of the story that

756

00:33:03,430 --> 00:32:59,230

yeah all show sort of a level of

757

00:33:10,930 --> 00:33:03,440

incompetence on certain levels lack of

758

00:33:14,020 --> 00:33:10,940

coordination leaks innuendo media also

759

00:33:17,049 --> 00:33:14,030

sort of has a has a hand in this as well

760

00:33:18,760 --> 00:33:17,059

as far as their description of it you're

761

00:33:21,640 --> 00:33:18,770

right to say and that you know the Army

762

00:33:23,649 --> 00:33:21,650

or whoever was in whichever military

763

00:33:26,409 --> 00:33:23,659

service was in short of in charge of it

764

00:33:30,220 --> 00:33:26,419

at the time if they allowed certain

765

00:33:32,440 --> 00:33:30,230

things to get printed in in the press

766

00:33:34,570 --> 00:33:32,450

you know that they probably they clearly

767

00:33:38,350 --> 00:33:34,580

wanted to backtrack on or never meant to

768

00:33:40,779 --> 00:33:38,360

leak out there yeah all these things did

769

00:33:41,860 --> 00:33:40,789

happen I don't know about the crash test

770

00:33:44,620 --> 00:33:41,870

dummy as far

771

00:33:48,940 --> 00:33:44,630

you know I know that like you said what

772

00:33:52,450 --> 00:33:48,950

was it 1952 is when they sort you yeah

773

00:33:54,130 --> 00:33:52,460

yeah but I mean is it is it at all

774

00:33:56,080 --> 00:33:54,140

possible and I I don't know that much

775

00:33:58,810 --> 00:33:56,090

about the dummy part of the story is

776

00:34:01,690 --> 00:33:58,820

that they may have had something else

777

00:34:04,450 --> 00:34:01,700

before something was actually officially

778

00:34:07,660 --> 00:34:04,460

designated as sort of a crash dummy as

779

00:34:10,629 --> 00:34:07,670

you know scarecrow or something else

780

00:34:14,379 --> 00:34:10,639

right that that had no perhaps official

781

00:34:17,200 --> 00:34:14,389

designation but was a precursor to the

782

00:34:19,240 --> 00:34:17,210

to what we know as the crash dummy it

783

00:34:21,220 --> 00:34:19,250

perhaps it was it was something it was

784

00:34:23,290 --> 00:34:21,230

something along those lines now that

785

00:34:25,240 --> 00:34:23,300

speculation on my part I have to have to

786

00:34:27,520 --> 00:34:25,250

point out and just thinking aloud as to

787

00:34:31,750 --> 00:34:27,530

what what other possible things that

788

00:34:35,260 --> 00:34:31,760

could be and you know people's as far as

789

00:34:37,840 --> 00:34:35,270

deathbed confessions and people you know

790

00:34:39,850 --> 00:34:37,850

speaking once they sort of felt they

791

00:34:43,619 --> 00:34:39,860

were disconnected enough from the events

792

00:34:48,399 --> 00:34:43,629

at the time we have lots of evidence

793

00:34:50,860 --> 00:34:48,409

from other instances in history in which

794

00:34:54,040 --> 00:34:50,870

people's recollections of things turn

795

00:34:56,619 --> 00:34:54,050

out not to be sometimes even close to

796

00:34:58,900 --> 00:34:56,629

what actually occurred and an example

797

00:35:00,520 --> 00:34:58,910

I'll use is the JFK assassination which

798

00:35:03,220 --> 00:35:00,530

was really also one of the most seminal

799

00:35:07,600 --> 00:35:03,230

moments and unfortunate moments of the

800

00:35:09,400 --> 00:35:07,610

20th century and Gerald Posner who we've

801
00:35:12,040 --> 00:35:09,410
interviewed on our show before and who

802
00:35:15,460 --> 00:35:12,050
has written a book called case closed

803
00:35:19,020 --> 00:35:15,470
and he made back in the nineteen mid

804
00:35:22,510 --> 00:35:19,030
1990s and he sort of made the argument

805
00:35:25,540 --> 00:35:22,520
or helped solidify the argument that the

806
00:35:28,000 --> 00:35:25,550
assassination of JFK was done by yes a

807
00:35:29,590 --> 00:35:28,010
lone shooter he backed it up with a lot

808
00:35:32,440 --> 00:35:29,600
of hard evidence a lot of scientific

809
00:35:34,720 --> 00:35:32,450
evaluation a lot of testing and research

810
00:35:36,790 --> 00:35:34,730
was done and those were the conclusion

811
00:35:39,340 --> 00:35:36,800
that that's what he was left with once

812
00:35:41,340 --> 00:35:39,350
he did his once he did his multiple many

813
00:35:44,170 --> 00:35:41,350

many years of research into the topic

814

00:35:46,900 --> 00:35:44,180

all that was left all the conspiracies

815

00:35:50,530 --> 00:35:46,910

fell apart all of them now how this

816

00:35:53,050 --> 00:35:50,540

relates to Roswell is this the day of

817

00:35:55,060 --> 00:35:53,060

the assassination newscast crews were

818

00:35:55,780 --> 00:35:55,070

out and about in abundance and they were

819

00:35:58,270 --> 00:35:55,790

interviewing

820

00:36:00,790 --> 00:35:58,280

people and there is footage of people

821

00:36:04,210 --> 00:36:00,800

being interviewed dozens and dozens of

822

00:36:09,150 --> 00:36:04,220

people what they did or what somebody

823

00:36:12,550 --> 00:36:09,160

did back in this was 1963 in the 1970s

824

00:36:15,700 --> 00:36:12,560

there were reporters and other people

825

00:36:17,920 --> 00:36:15,710

who went back to those eyewitnesses I

826

00:36:20,800 --> 00:36:17,930

mean your eye you're there at the moment

827

00:36:23,680 --> 00:36:20,810

you know you something so huge has

828

00:36:25,720 --> 00:36:23,690

happened right that it's it's you know

829

00:36:27,370 --> 00:36:25,730

consider it's one of the touchstones of

830

00:36:29,560 --> 00:36:27,380

American history you were there of

831

00:36:31,960 --> 00:36:29,570

course you're gonna remember everything

832

00:36:33,610 --> 00:36:31,970

about that because that is burned into

833

00:36:35,440 --> 00:36:33,620

your brain there's no way you could

834

00:36:37,270 --> 00:36:35,450

possibly get it wrong well guess what

835

00:36:38,860 --> 00:36:37,280

ten years later they go back and they

836

00:36:41,170 --> 00:36:38,870

interview these people and they ask them

837

00:36:43,330 --> 00:36:41,180

to recount for them their thoughts and

838

00:36:46,540 --> 00:36:43,340

their remembrance and their memories of

839

00:36:49,900 --> 00:36:46,550

the day and the details and a lot of

840

00:36:52,510 --> 00:36:49,910

them a lot of them got it absolutely

841

00:36:56,050 --> 00:36:52,520

wrong they couldn't remember ten years

842

00:36:59,590 --> 00:36:56,060

later what they had told reporters at

843

00:37:01,480 --> 00:36:59,600

the time in 1963 their stories had

844

00:37:03,070 --> 00:37:01,490

changed entirely and that was one of the

845

00:37:05,380 --> 00:37:03,080

most seminal moments and only over a

846

00:37:08,050 --> 00:37:05,390

10-year period so you take that you

847

00:37:10,180 --> 00:37:08,060

can't Rast it to the folks who you know

848

00:37:12,910 --> 00:37:10,190

we're working on project moguler or at

849

00:37:14,350 --> 00:37:12,920

area 51 you know at the time and they

850

00:37:15,640 --> 00:37:14,360

were under hush-hush secrecy you know

851

00:37:18,460 --> 00:37:15,650

and it was all of you know a very very

852

00:37:21,430 --> 00:37:18,470

you know for time Cold War tensions were

853

00:37:24,850 --> 00:37:21,440

starting to rise and all of this nuclear

854

00:37:27,550 --> 00:37:24,860

arms race atomic age all of that even

855

00:37:29,530 --> 00:37:27,560

these folks are 40 years later removed

856

00:37:32,410 --> 00:37:29,540

from that 30 or 40 years later on their

857

00:37:35,350 --> 00:37:32,420

deathbed confessions I mean I don't

858

00:37:37,180 --> 00:37:35,360

think I can't say how reliable what

859

00:37:40,210 --> 00:37:37,190

those people are saying is going to be

860

00:37:42,250 --> 00:37:40,220

30 years after the fact of kind of some

861

00:37:45,130 --> 00:37:42,260

things they may or may not have saw in

862

00:37:47,560 --> 00:37:45,140

the buildings that the at the time you

863

00:37:50,500 --> 00:37:47,570

know what we Roswell today like I had

864

00:37:54,850 --> 00:37:50,510

mentioned earlier has this cultural is

865

00:37:57,070 --> 00:37:54,860

culturally saturated in in certainly

866

00:37:59,170 --> 00:37:57,080

American culture and arguably cultures

867

00:38:03,880 --> 00:37:59,180

of the world with UFO phenomenon being

868

00:38:07,089 --> 00:38:03,890

what it is and it took a long it took

869

00:38:10,809 --> 00:38:07,099

time for that sort of to become that way

870

00:38:13,359 --> 00:38:10,819

and as the myths of Roswell sort of have

871

00:38:16,059 --> 00:38:13,369

grown and grown and grown we haven't

872

00:38:18,519 --> 00:38:16,069

really it there's there's a wonderment

873

00:38:21,130 --> 00:38:18,529

to it all a fascination of this of the

874

00:38:22,839 --> 00:38:21,140

whole story in which we want to be we

875

00:38:24,789 --> 00:38:22,849

really want there to have been ships we

876

00:38:28,059 --> 00:38:24,799

really want there to have been bodies we

877

00:38:29,200 --> 00:38:28,069

wanted it to be more than just weather

878

00:38:31,870 --> 00:38:29,210

balloon you know duh

879

00:38:34,450 --> 00:38:31,880

satellites I'm sorry balloons you know

880

00:38:36,969 --> 00:38:34,460

carrying top-secret equipment at the

881

00:38:41,079 --> 00:38:36,979

time for weather evaluation and and and

882

00:38:43,239 --> 00:38:41,089

so forth that I that I'm not surprised

883

00:38:45,789 --> 00:38:43,249

the 30 or 40 years later these people

884

00:38:47,769 --> 00:38:45,799

who have been able to sort of become

885

00:38:50,559 --> 00:38:47,779

part of the saturated culture of what

886

00:38:52,660 --> 00:38:50,569

the UFO phenomenon is are going back and

887

00:38:54,609 --> 00:38:52,670

then in that mode sort of saying well

888

00:38:56,440 --> 00:38:54,619

yeah you know there were bodies there

889

00:38:58,059 --> 00:38:56,450

and you know I wasn't supposed to talk

890

00:39:00,670 --> 00:38:58,069

about it at the time but I'm free to do

891

00:39:05,469 --> 00:39:00,680

so now and here are my recollections um

892

00:39:08,799 --> 00:39:05,479

I have a hard time taking that as any

893

00:39:10,690 --> 00:39:08,809

kind of real reliable evidence so those

894

00:39:13,870 --> 00:39:10,700

are my general thoughts about about

895

00:39:16,329 --> 00:39:13,880

Roswell just getting back to the the

896

00:39:19,089 --> 00:39:16,339

first question or the first point I made

897

00:39:21,670 --> 00:39:19,099

why would you suppose the Army Air Force

898

00:39:25,779 --> 00:39:21,680

would call would say that they captured

899

00:39:29,200 --> 00:39:25,789

a flying disc for lack of perhaps away a

900

00:39:32,489 --> 00:39:29,210

better way of describing it the disc and

901
00:39:35,140 --> 00:39:32,499
the Kenneth Arnold incident in which

902
00:39:37,749 --> 00:39:35,150
newspapers had recently described what

903
00:39:40,630 --> 00:39:37,759
was a flying saucer in the in the

904
00:39:43,299 --> 00:39:40,640
Pacific Northwest part of the of the

905
00:39:45,279 --> 00:39:43,309
country so I I couldn't say as to what

906
00:39:47,109 --> 00:39:45,289
their mindset was at the time and why

907
00:39:49,630 --> 00:39:47,119
they did it I think may perhaps just for

908
00:39:53,799 --> 00:39:49,640
lack of a better deter term or a better

909
00:39:55,930 --> 00:39:53,809
descriptor at the time and it was most

910
00:39:59,410 --> 00:39:55,940
likely something that was it seemed very

911
00:40:01,690 --> 00:39:59,420
innocuous at the time and you know you

912
00:40:04,209 --> 00:40:01,700
say things and you don't realize later

913
00:40:07,239 --> 00:40:04,219

what kind of impact it has once it goes

914

00:40:11,739 --> 00:40:07,249

out over once the media has a chance to

915

00:40:13,870 --> 00:40:11,749

amplify it and sort of you know hype it

916

00:40:16,299 --> 00:40:13,880

in a certain way that makes it sound

917

00:40:19,239 --> 00:40:16,309

perhaps a lot more fantastic than they

918

00:40:21,490 --> 00:40:19,249

ever initially intended it to be I'm

919

00:40:23,530 --> 00:40:21,500

sure that they wanted to down

920

00:40:25,270 --> 00:40:23,540

as much as they possibly could because

921

00:40:27,490 --> 00:40:25,280

in the nature of the time the business

922

00:40:29,140 --> 00:40:27,500

they were doing and it's it just got

923

00:40:33,910 --> 00:40:29,150

away from them the genie sort of escaped

924

00:40:36,250 --> 00:40:33,920

the bottle at that moment I have some

925

00:40:37,990 --> 00:40:36,260

listener questions and I'll start right

926

00:40:40,570 --> 00:40:38,000

off the bat what are your thoughts on

927

00:40:43,360 --> 00:40:40,580

the ridicule factor associated with the

928

00:40:46,150 --> 00:40:43,370

UFO phenomenon in relation to the mass

929

00:40:47,860 --> 00:40:46,160

media coverage that's an interesting

930

00:40:51,280 --> 00:40:47,870

question it's an interesting way of

931

00:40:55,660 --> 00:40:51,290

seeing it I suppose from the view of

932

00:40:58,330 --> 00:40:55,670

someone who who does believe that these

933

00:41:01,260 --> 00:40:58,340

unidentified objects are in fact you

934

00:41:04,510 --> 00:41:01,270

know of an alien extraterrestrial nature

935

00:41:07,870 --> 00:41:04,520

would see it that the media takes the

936

00:41:12,040 --> 00:41:07,880

position that they are ridiculing them

937

00:41:14,850 --> 00:41:12,050

for their beliefs whereas I think those

938

00:41:19,300 --> 00:41:14,860

of us on the skeptical side of this coin

939

00:41:23,890 --> 00:41:19,310

see it as the media is complicit in the

940

00:41:28,630 --> 00:41:23,900

perpetuation of of the of the belief in

941

00:41:31,600 --> 00:41:28,640

in extraterrestrial existence so I agree

942

00:41:34,990 --> 00:41:31,610

with some cases certainly yeah I've also

943

00:41:37,540 --> 00:41:35,000

seen the media ridicule say there's two

944

00:41:39,130 --> 00:41:37,550

reporters talking among themselves you

945

00:41:41,080 --> 00:41:39,140

know about it and how ridiculous it is

946

00:41:43,140 --> 00:41:41,090

I've seen that as well and sure I think

947

00:41:45,460 --> 00:41:43,150

that may be kind of what the the

948

00:41:50,020 --> 00:41:45,470

listener is trying to ask but I'm not

949

00:41:50,880 --> 00:41:50,030

well I look on a certain level it's

950

00:41:59,740 --> 00:41:50,890

unprofessional

951
00:42:03,280 --> 00:41:59,750
in my opinion it's also it I don't to

952
00:42:05,800 --> 00:42:03,290
what to what end - to what its what end

953
00:42:08,050 --> 00:42:05,810
do these stories the news coverage of

954
00:42:10,120 --> 00:42:08,060
UFOs what sort of purpose does it does

955
00:42:12,910 --> 00:42:10,130
it serve I think that question needs to

956
00:42:16,360 --> 00:42:12,920
be asked as well and if the perp if

957
00:42:18,850 --> 00:42:16,370
their purpose is to ridicule people for

958
00:42:21,250 --> 00:42:18,860
what they are just you know trying to

959
00:42:23,110 --> 00:42:21,260
make sense of the unknown well then I I

960
00:42:24,640 --> 00:42:23,120
think the media is at fault there and

961
00:42:26,530 --> 00:42:24,650
they really shouldn't be doing that that

962
00:42:28,990 --> 00:42:26,540
is not their job that's not journalism

963
00:42:31,240 --> 00:42:29,000

that's not research that's not

964

00:42:34,420 --> 00:42:31,250

investigation so I don't think it really

965

00:42:38,670 --> 00:42:34,430

has any place in journalism

966

00:42:43,210 --> 00:42:38,680

now I must say that we ourselves who are

967

00:42:46,779 --> 00:42:43,220

arguably a form of media in our own

968

00:42:48,849 --> 00:42:46,789

right and we have been known to be you

969

00:42:50,710 --> 00:42:48,859

know light-hearted and you know

970

00:42:54,250 --> 00:42:50,720

sometimes ridiculing when it when it

971

00:42:56,859 --> 00:42:54,260

comes to certain things that people have

972

00:43:00,970 --> 00:42:56,869

claimed david icke am i pronouncing his

973

00:43:03,519 --> 00:43:00,980

last name right david fake yeah and his

974

00:43:07,529 --> 00:43:03,529

some of the things that he has brought

975

00:43:12,339 --> 00:43:07,539

forth I mean look and I'll quote another

976
00:43:15,460 --> 00:43:12,349
skeptical of some note James the ma the

977
00:43:17,049 --> 00:43:15,470
amazing James Randi who is a

978
00:43:20,019 --> 00:43:17,059
professional magician and also a

979
00:43:24,250 --> 00:43:20,029
professional skeptic and debunker of

980
00:43:28,690 --> 00:43:24,260
many frauds and scams and con artists

981
00:43:33,279 --> 00:43:28,700
out there he once said that some notions

982
00:43:36,990 --> 00:43:33,289
are just too childish to merit kindness

983
00:43:42,430 --> 00:43:37,000
and I agree with him to a certain degree

984
00:43:46,630 --> 00:43:42,440
in that when you have such extreme cases

985
00:43:50,109 --> 00:43:46,640
of lack of evidence and it just really

986
00:43:52,240 --> 00:43:50,119
Fantasy prone personalities if I

987
00:43:55,299 --> 00:43:52,250
might if I might say that David Icke I

988
00:43:58,930 --> 00:43:55,309

think falls under I mean really how

989

00:44:01,410 --> 00:43:58,940

serious do you expect people to take the

990

00:44:04,900 --> 00:44:01,420

likes of David Icke and some of the

991

00:44:08,529 --> 00:44:04,910

incredible stories and claims that he is

992

00:44:11,470 --> 00:44:08,539

pushed out there on people and you know

993

00:44:13,390 --> 00:44:11,480

I think that the the heavier you're

994

00:44:15,339 --> 00:44:13,400

gonna lay on this lay on that kind of

995

00:44:17,170 --> 00:44:15,349

sauce on people yeah you deserve some

996

00:44:20,260 --> 00:44:17,180

ridicule I think and you deserve some

997

00:44:22,990 --> 00:44:20,270

really sharp critique for that sort of

998

00:44:24,880 --> 00:44:23,000

what I would consider irresponsible

999

00:44:27,130 --> 00:44:24,890

behavior so like everything else it

1000

00:44:31,029 --> 00:44:27,140

falls on a spectrum but in a general

1001
00:44:32,799 --> 00:44:31,039
sense the journalism the media needs to

1002
00:44:34,990 --> 00:44:32,809
do a better job of restraining

1003
00:44:37,440 --> 00:44:35,000
themselves from that sort of behavior it

1004
00:44:41,079 --> 00:44:37,450
just it just doesn't serve any purpose

1005
00:44:43,599 --> 00:44:41,089
okay I agree basically you know I think

1006
00:44:46,690 --> 00:44:43,609
the bottom line is there are fringe

1007
00:44:47,779 --> 00:44:46,700
people out there and when it comes to

1008
00:44:50,479 --> 00:44:47,789
UFOs

1009
00:44:52,189 --> 00:44:50,489
and but there's also people like me that

1010
00:44:55,989 --> 00:44:52,199
are just looking for an answer

1011
00:44:58,509 --> 00:44:55,999
mm-hmm yes oh absolutely absolutely and

1012
00:45:04,629 --> 00:44:58,519
that's an important distinction I think

1013
00:45:07,519 --> 00:45:04,639

and we we do try hard not to ridicule

1014

00:45:09,169 --> 00:45:07,529

individuals for their individual beliefs

1015

00:45:11,149 --> 00:45:09,179

and we feel very strong we've always

1016

00:45:13,189 --> 00:45:11,159

felt this way even before the podcast

1017

00:45:14,749 --> 00:45:13,199

sort of when we got together and decided

1018

00:45:16,039 --> 00:45:14,759

to make a local skeptics group is that

1019

00:45:17,719 --> 00:45:16,049

this is one of our one of our main

1020

00:45:20,689 --> 00:45:17,729

points was going to be where we're not

1021

00:45:22,429 --> 00:45:20,699

gonna put people down individually for

1022

00:45:24,439 --> 00:45:22,439

the things that they believe whether it

1023

00:45:27,789 --> 00:45:24,449

comes to religious beliefs pseudo

1024

00:45:31,339 --> 00:45:27,799

scientific beliefs and so forth because

1025

00:45:33,499 --> 00:45:31,349

you yeah it serves it serves no purpose

1026

00:45:36,349 --> 00:45:33,509

to do so if what we're trying to do is

1027

00:45:38,509 --> 00:45:36,359

really make people aware that there are

1028

00:45:40,759 --> 00:45:38,519

different ways of looking at things in

1029

00:45:42,529 --> 00:45:40,769

the universe and helping people come to

1030

00:45:44,629 --> 00:45:42,539

perhaps some different conclusions than

1031

00:45:46,459 --> 00:45:44,639

what they're predisposed to you're not

1032

00:45:49,069 --> 00:45:46,469

gonna be able to do that if at the same

1033

00:45:50,629 --> 00:45:49,079

time you're going yeah that person

1034

00:45:52,909 --> 00:45:50,639

thinks that that's an alien boy how

1035

00:45:54,889 --> 00:45:52,919

stupid is he yeah he's really dumb he's

1036

00:45:57,439 --> 00:45:54,899

not using his brain that gets you

1037

00:45:59,599 --> 00:45:57,449

absolutely nowhere in my opinion you

1038

00:46:01,039 --> 00:45:59,609

can't you really cannot have that kind

1039

00:46:02,870 --> 00:46:01,049

of attitude when it when it when it

1040

00:46:05,299 --> 00:46:02,880

comes to this and it you know frankly it

1041

00:46:06,829 --> 00:46:05,309

makes yourself if I were to adopt an

1042

00:46:09,289 --> 00:46:06,839

attitude like that you know it would

1043

00:46:11,959 --> 00:46:09,299

make a lot of the things I lot of my

1044

00:46:13,729 --> 00:46:11,969

opinions I think less valid in us in a

1045

00:46:15,289 --> 00:46:13,739

certain sense those sort of ad hominem

1046

00:46:19,309 --> 00:46:15,299

attacks they they really don't have a

1047

00:46:21,499 --> 00:46:19,319

place we try to be very selective as to

1048

00:46:25,339 --> 00:46:21,509

the tight as to when we do sort of go

1049

00:46:27,979 --> 00:46:25,349

off on certain people for just being so

1050

00:46:31,519 --> 00:46:27,989

out there and especially when they're

1051
00:46:33,259 --> 00:46:31,529
trying to do it in a sane it's one thing

1052
00:46:35,269 --> 00:46:33,269
for an individual to have a belief in

1053
00:46:37,189 --> 00:46:35,279
something and try to search for some

1054
00:46:39,289 --> 00:46:37,199
answers and that's very very

1055
00:46:41,599 --> 00:46:39,299
understandable it's another thing when

1056
00:46:43,429 --> 00:46:41,609
someone comes up with things that are so

1057
00:46:45,919 --> 00:46:43,439
ridiculous and they are trying to

1058
00:46:48,589 --> 00:46:45,929
absolutely push that belief with

1059
00:46:51,019 --> 00:46:48,599
absolutely no evidence or no logic or

1060
00:46:52,609 --> 00:46:51,029
nothing going for them and trying to

1061
00:46:55,129 --> 00:46:52,619
sort of manipulate people who are

1062
00:46:56,689 --> 00:46:55,139
looking for some legitimate answers to

1063
00:46:58,909 --> 00:46:56,699

thing and trying to bring them into

1064

00:47:01,309 --> 00:46:58,919

their way of thinking you know by

1065

00:47:03,319 --> 00:47:01,319

pedaling a bunch of crap on them

1066

00:47:05,239 --> 00:47:03,329

and those people deserve some more harsh

1067

00:47:06,829 --> 00:47:05,249

treatment it sounds like most religions

1068

00:47:09,529 --> 00:47:06,839

but I'm not going to get into that we

1069

00:47:10,039 --> 00:47:09,539

won't go there okay here's the next

1070

00:47:13,189 --> 00:47:10,049

question

1071

00:47:15,349 --> 00:47:13,199

is there any case and or phenomenon that

1072

00:47:17,150 --> 00:47:15,359

you find the most interesting and one

1073

00:47:19,759 --> 00:47:17,160

that has challenged your skeptical

1074

00:47:21,789 --> 00:47:19,769

approach oh that's a really really good

1075

00:47:24,589 --> 00:47:21,799

question

1076

00:47:27,939 --> 00:47:24,599

I'll tell you this I'll answer this as

1077

00:47:34,339 --> 00:47:27,949

best as I can I was not always a skeptic

1078

00:47:37,969 --> 00:47:34,349

I was always a great admirer of science

1079

00:47:40,549 --> 00:47:37,979

a great admirer of science fiction and a

1080

00:47:43,819 --> 00:47:40,559

great admirer of what is otherwise

1081

00:47:46,519 --> 00:47:43,829

classified as pseudoscience I thought

1082

00:47:50,660 --> 00:47:46,529

for the first 26 years of my life why

1083

00:47:52,400 --> 00:47:50,670

not why you know there's no I can't see

1084

00:47:54,529 --> 00:47:52,410

any reason why there couldn't be ghostly

1085

00:47:56,150 --> 00:47:54,539

activity and old haunted houses I

1086

00:47:58,759 --> 00:47:56,160

couldn't see any reason why there

1087

00:48:02,959 --> 00:47:58,769

couldn't be UFOs in the sky I couldn't

1088

00:48:04,670 --> 00:48:02,969

find any reason why it's us psychics

1089

00:48:07,519 --> 00:48:04,680

abilities to talk to the deceased

1090

00:48:09,499 --> 00:48:07,529

couldn't possibly happen all that all of

1091

00:48:11,839 --> 00:48:09,509

it was fair game you know at the same

1092

00:48:13,880 --> 00:48:11,849

time I never abandoned my understanding

1093

00:48:15,579 --> 00:48:13,890

of science and I was like I said I still

1094

00:48:18,319 --> 00:48:15,589

had a great affinity for it and

1095

00:48:19,880 --> 00:48:18,329

understood how it worked and but I

1096

00:48:22,209 --> 00:48:19,890

thought I could have it all you know in

1097

00:48:24,680 --> 00:48:22,219

a sense have it all and so I sort of

1098

00:48:27,799 --> 00:48:24,690

stumbled upon skepticism through some of

1099

00:48:30,650 --> 00:48:27,809

my friends and I had to sort of take a

1100

00:48:32,239 --> 00:48:30,660

good hard look at to one by one at a lot

1101

00:48:35,029 --> 00:48:32,249

of the things I had thought in the past

1102

00:48:36,890 --> 00:48:35,039

and you know I applied some skepticism

1103

00:48:41,049 --> 00:48:36,900

to it and it turns out they just sort of

1104

00:48:43,489 --> 00:48:41,059

fell by the wayside for me in with and I

1105

00:48:44,839 --> 00:48:43,499

this may be disconcerting to some of

1106

00:48:49,339 --> 00:48:44,849

your listeners or just heartening in a

1107

00:48:52,239 --> 00:48:49,349

certain sense but after a while I wasn't

1108

00:48:55,069 --> 00:48:52,249

left with anything left as far as a

1109

00:48:58,039 --> 00:48:55,079

paranormal belief left that I could

1110

00:49:01,219 --> 00:48:58,049

really hold on to as being as being

1111

00:49:02,870 --> 00:49:01,229

possible I eventually sort of shed it

1112

00:49:05,900 --> 00:49:02,880

all and left it and left it all behind

1113

00:49:10,640 --> 00:49:05,910

and sort of realized for myself exactly

1114

00:49:13,699 --> 00:49:10,650

what it was so as of today I've got I've

1115

00:49:14,870 --> 00:49:13,709

got nothing as far as far as being able

1116

00:49:17,599 --> 00:49:14,880

to say

1117

00:49:19,700 --> 00:49:17,609

that you know well I'm skeptical about

1118

00:49:22,490 --> 00:49:19,710

just about everything you know but this

1119

00:49:24,589 --> 00:49:22,500

one thing I just you know I can't be

1120

00:49:26,660 --> 00:49:24,599

entirely skeptical of it or I'm really

1121

00:49:29,329 --> 00:49:26,670

you know in some way clinging on to it

1122

00:49:32,559 --> 00:49:29,339

I've really sort of shed at all yeah

1123

00:49:35,930 --> 00:49:32,569

that's just me that's a fair answer

1124

00:49:38,390 --> 00:49:35,940

number three what are your thoughts when

1125

00:49:41,029 --> 00:49:38,400

mass sightings occur such as Phoenix

1126
00:49:47,720 --> 00:49:41,039
likes Rendlesham forest Hudson Valley

1127
00:49:49,309 --> 00:49:47,730
sightings etc yeah we did I'll throw in

1128
00:49:53,120 --> 00:49:49,319
something though here a little different

1129
00:49:56,450 --> 00:49:53,130
that we didn't cover and it's the the

1130
00:49:58,279 --> 00:49:56,460
Hudson lights are we talking 1985-1986 I

1131
00:50:01,039 --> 00:49:58,289
think 1986 okay

1132
00:50:04,819 --> 00:50:01,049
oh maybe right I think it was actually I

1133
00:50:07,069 --> 00:50:04,829
think it was repeated I believe there

1134
00:50:09,349 --> 00:50:07,079
may have been copycats out there sort of

1135
00:50:11,299 --> 00:50:09,359
doing what has happened and I really

1136
00:50:13,730 --> 00:50:11,309
wish I really wish I kept a diary at the

1137
00:50:16,309 --> 00:50:13,740
time because and this is funny because

1138
00:50:18,019 --> 00:50:16,319

before I knew the novellas the other

1139

00:50:21,019 --> 00:50:18,029

folks I do the skeptics guide to the

1140

00:50:25,039 --> 00:50:21,029

universe with this was really seven

1141

00:50:26,720 --> 00:50:25,049

years before I had met them we each in

1142

00:50:29,420 --> 00:50:26,730

our part different parts of the state

1143

00:50:32,059 --> 00:50:29,430

one night saw the exact same thing in

1144

00:50:35,809 --> 00:50:32,069

the sky in which it was a perfect sort

1145

00:50:37,730 --> 00:50:35,819

of formation of lights that were just

1146

00:50:40,549 --> 00:50:37,740

you know going about their own business

1147

00:50:42,170 --> 00:50:40,559

and in the sky and it was too perfect a

1148

00:50:44,299 --> 00:50:42,180

formation now I'm not sure if these are

1149

00:50:46,609 --> 00:50:44,309

the actual Hudson ones or something that

1150

00:50:49,220 --> 00:50:46,619

happened similar just around that same

1151
00:50:50,990 --> 00:50:49,230
time and some folks were trying to do it

1152
00:50:52,460 --> 00:50:51,000
sort of as a copycat based on the news

1153
00:50:54,829 --> 00:50:52,470
reports of the Hudson lights like I

1154
00:50:58,089 --> 00:50:54,839
can't exact I can't recall exactly but

1155
00:51:01,309 --> 00:50:58,099
in any case we both each in our own

1156
00:51:06,920 --> 00:51:01,319
remembers seeing it that night and each

1157
00:51:10,309 --> 00:51:06,930
of us were were dumbfounded we didn't

1158
00:51:11,900 --> 00:51:10,319
know what the heck was going on went for

1159
00:51:18,470 --> 00:51:11,910
a long time we didn't figure it out

1160
00:51:21,049 --> 00:51:18,480
until some people basically can confess

1161
00:51:22,759 --> 00:51:21,059
that they were part of it you know a

1162
00:51:25,069 --> 00:51:22,769
formation of certain kinds of planes

1163
00:51:26,749 --> 00:51:25,079

that you know ran their lights in a

1164

00:51:28,009 --> 00:51:26,759

certain line themselves in a certain

1165

00:51:28,640 --> 00:51:28,019

pattern so that their lights would

1166

00:51:31,609 --> 00:51:28,650

appear to be

1167

00:51:33,079 --> 00:51:31,619

something that was perhaps maybe larger

1168

00:51:34,490 --> 00:51:33,089

than it actually seems and they flew in

1169

00:51:40,160 --> 00:51:34,500

that perfect formation

1170

00:51:42,799 --> 00:51:40,170

so amass sightings yeah those are what

1171

00:51:44,690 --> 00:51:42,809

you know how can so many eyes be wrong

1172

00:51:47,089 --> 00:51:44,700

right so many people saw these things

1173

00:51:51,049 --> 00:51:47,099

how could how could all those people be

1174

00:51:54,589 --> 00:51:51,059

wrong well you know what in cases a lot

1175

00:51:56,870 --> 00:51:54,599

of people can be wrong and misinterpret

1176

00:51:59,240 --> 00:51:56,880

the same thing and again they're just

1177

00:52:01,910 --> 00:51:59,250

trying to make order out of chaos that's

1178

00:52:04,430 --> 00:52:01,920

how our brains work it's an evolutionary

1179

00:52:06,529 --> 00:52:04,440

trait it's an evolutionary advantage of

1180

00:52:09,650 --> 00:52:06,539

our species that helped keep us alive

1181

00:52:12,230 --> 00:52:09,660

when we were you know just billion years

1182

00:52:14,180 --> 00:52:12,240

ago on the sub-sahara and wondering if

1183

00:52:16,069 --> 00:52:14,190

the rattling in the bushes was you know

1184

00:52:18,380 --> 00:52:16,079

a flock of birds or a lion getting ready

1185

00:52:20,000 --> 00:52:18,390

to kind of jump out and and eat us and

1186

00:52:22,400 --> 00:52:20,010

we sort of had to fill in the blank for

1187

00:52:24,680 --> 00:52:22,410

our own survival and and sort of run

1188

00:52:26,390 --> 00:52:24,690

away from those noises as a rough

1189

00:52:32,029 --> 00:52:26,400

example of kind of what I'm getting at

1190

00:52:34,510 --> 00:52:32,039

here and I mass sightings yeah those are

1191

00:52:37,819 --> 00:52:34,520

those are tough to convince people that

1192

00:52:42,589 --> 00:52:37,829

that you know something something you

1193

00:52:44,630 --> 00:52:42,599

know may not be as grand or fantastic as

1194

00:52:46,279 --> 00:52:44,640

perhaps they saw because hey they saw it

1195

00:52:48,680 --> 00:52:46,289

with their own eyes and my cousin saw it

1196

00:52:50,569 --> 00:52:48,690

with his own eyes and my dad saw it with

1197

00:52:53,029 --> 00:52:50,579

his own eyes how could so many people be

1198

00:52:55,760 --> 00:52:53,039

wrong well you know people can be wrong

1199

00:52:57,109 --> 00:52:55,770

in math in masses okay so just for the

1200

00:52:57,620 --> 00:52:57,119

record I heard you say that you saw a

1201

00:53:01,130 --> 00:52:57,630

UFO

1202

00:53:05,180 --> 00:53:01,140

okay next yes I could not identify those

1203

00:53:07,339 --> 00:53:05,190

flying objects for the life of me okay

1204

00:53:09,380 --> 00:53:07,349

now this is a long question a lot of

1205

00:53:11,089 --> 00:53:09,390

people interested in UFOs focus on

1206

00:53:14,480 --> 00:53:11,099

trying to discover what's behind the

1207

00:53:16,220 --> 00:53:14,490

mystery but skeptics seem to be focused

1208

00:53:18,380 --> 00:53:16,230

on demeaning people's efforts and

1209

00:53:20,750 --> 00:53:18,390

beliefs why would someone put their

1210

00:53:22,339 --> 00:53:20,760

energy into that without first doing the

1211

00:53:25,670 --> 00:53:22,349

legwork to see if there might actually

1212

00:53:28,279 --> 00:53:25,680

be truth to the phenomenon it's as much

1213

00:53:28,789 --> 00:53:28,289

a matter of belief to them as anyone

1214

00:53:30,859 --> 00:53:28,799

else

1215

00:53:33,170 --> 00:53:30,869

well we touched about on this a little

1216

00:53:35,779 --> 00:53:33,180

bit earlier demeaning yes you know

1217

00:53:39,970 --> 00:53:35,789

skeptics should not you should you know

1218

00:53:42,710 --> 00:53:39,980

not be demeaning in the in their

1219

00:53:47,960 --> 00:53:42,720

criticism

1220

00:53:50,390 --> 00:53:47,970

of the evidence or claims put forth by

1221

00:53:52,190 --> 00:53:50,400

the proponents of you know alien

1222

00:53:57,440 --> 00:53:52,200

visitations and UFOs and these sorts of

1223

00:53:59,270 --> 00:53:57,450

things so but - you can't really paint a

1224

00:54:02,120 --> 00:53:59,280

broad stroke with that brush you can't

1225

00:54:03,530 --> 00:54:02,130

call all skeptics demeaning you know

1226

00:54:05,330 --> 00:54:03,540

some of us are very conscious about

1227

00:54:07,940 --> 00:54:05,340

about that now there are others yeah

1228

00:54:09,800 --> 00:54:07,950

there are other jerks out there you know

1229

00:54:13,099 --> 00:54:09,810

they claim to be skeptics or they have

1230

00:54:15,109 --> 00:54:13,109

called skeptics when you do right yeah I

1231

00:54:16,700 --> 00:54:15,119

probably would do that you know they're

1232

00:54:18,380 --> 00:54:16,710

they're not they're they're more of a

1233

00:54:24,290 --> 00:54:18,390

what do we call that we call that an a

1234

00:54:27,950 --> 00:54:26,150

you're just being ridiculous none of

1235

00:54:30,170 --> 00:54:27,960

this is even possible why are we even

1236

00:54:32,480 --> 00:54:30,180

arguing about this stuff you know just

1237

00:54:34,339 --> 00:54:32,490

you know you should just be skeptical

1238

00:54:38,270 --> 00:54:34,349

about it and just move on with things

1239

00:54:40,250 --> 00:54:38,280

and you know poopoo on you that's that's

1240

00:54:41,660 --> 00:54:40,260

not a very good approach as far as I'm

1241

00:54:43,880 --> 00:54:41,670

concerned that's certainly not the

1242

00:54:45,260 --> 00:54:43,890

attitude that we've adopted at at the

1243

00:54:47,270 --> 00:54:45,270

New England skeptical society or the

1244

00:54:48,800 --> 00:54:47,280

skeptics guide to the universe the

1245

00:54:50,270 --> 00:54:48,810

second part of that question sort of had

1246

00:54:53,060 --> 00:54:50,280

to do with the legwork why don't they do

1247

00:54:55,040 --> 00:54:53,070

the legwork to you know go out there and

1248

00:54:57,230 --> 00:54:55,050

actually try to figure out for

1249

00:55:00,470 --> 00:54:57,240

themselves what's going on well I'll

1250

00:55:02,690 --> 00:55:00,480

answer that by saying we do that we do

1251
00:55:05,210 --> 00:55:02,700
that we have organizations we have the

1252
00:55:07,370 --> 00:55:05,220
committee for scientific investigation

1253
00:55:09,440 --> 00:55:07,380
of claims of the paranormal psychologist

1254
00:55:12,230 --> 00:55:09,450
now si si the committee for scientific

1255
00:55:14,660 --> 00:55:12,240
inquiry committee for skeptical inquiry

1256
00:55:17,030 --> 00:55:14,670
and other organizations just like that

1257
00:55:20,270 --> 00:55:17,040
they are out there they are scientists

1258
00:55:22,400 --> 00:55:20,280
they are you know trained professionals

1259
00:55:24,589 --> 00:55:22,410
they are investigators they've written

1260
00:55:26,780 --> 00:55:24,599
books they've been on the investigations

1261
00:55:28,910 --> 00:55:26,790
I mean Joe Nickell if you if your

1262
00:55:31,970 --> 00:55:28,920
listeners will Google the name Joe

1263
00:55:34,130 --> 00:55:31,980

Nickell and I cke ll my gosh he is

1264

00:55:36,050 --> 00:55:34,140

prolific in the amount of writing he has

1265

00:55:38,990 --> 00:55:36,060

done and he is one of the people who's

1266

00:55:42,050 --> 00:55:39,000

been out there for four decades rolling

1267

00:55:44,390 --> 00:55:42,060

up his sleeves and actually going to the

1268

00:55:46,220 --> 00:55:44,400

haunted houses and going to the Nazca

1269

00:55:48,320 --> 00:55:46,230

lines in the in the desert to

1270

00:55:51,250 --> 00:55:48,330

investigate them and going to the

1271

00:55:53,839 --> 00:55:51,260

pyramids and what claims phenomenon

1272

00:55:55,650 --> 00:55:53,849

claims are going on around the pyramids

1273

00:55:58,290 --> 00:55:55,660

and UFOs and he's

1274

00:56:00,210 --> 00:55:58,300

- and he's just one example there are

1275

00:56:03,330 --> 00:56:00,220

people out there doing that sort of

1276

00:56:06,960 --> 00:56:03,340

legwork quite a few impressive people in

1277

00:56:07,590 --> 00:56:06,970

fact debunking or is actually looking

1278

00:56:10,290 --> 00:56:07,600

into

1279

00:56:11,910 --> 00:56:10,300

oh no it's actual investigation it's you

1280

00:56:14,340 --> 00:56:11,920

know in some cases these things take

1281

00:56:16,650 --> 00:56:14,350

many years and they do and they do some

1282

00:56:19,110 --> 00:56:16,660

really really hard work they try to

1283

00:56:20,820 --> 00:56:19,120

collect as much evidence as they

1284

00:56:24,060 --> 00:56:20,830

possibly can for the claims that are

1285

00:56:26,010 --> 00:56:24,070

being that are being proposed and they

1286

00:56:31,230 --> 00:56:26,020

all fun question I'm sorry I interrupt

1287

00:56:33,090 --> 00:56:31,240

you who is funding Nicholls for instance

1288

00:56:35,220 --> 00:56:33,100

yeah no that's a good question you know

1289

00:56:39,720 --> 00:56:35,230

private donations is pretty much what

1290

00:56:43,100 --> 00:56:39,730

keeps these sceptic groups going you

1291

00:56:46,880 --> 00:56:43,110

know they they organize themselves as

1292

00:56:51,180 --> 00:56:46,890

federal 501 C non-profit organizations

1293

00:56:53,700 --> 00:56:51,190

so that you know people can give you

1294

00:56:55,260 --> 00:56:53,710

know for tax deduction purposes to the

1295

00:57:00,450 --> 00:56:55,270

to these efforts the New England

1296

00:57:03,450 --> 00:57:00,460

skeptical society is a it is also a 501

1297

00:57:05,340 --> 00:57:03,460

3 see that we've organized ourselves as

1298

00:57:08,280 --> 00:57:05,350

and yeah we work you know and sometimes

1299

00:57:11,460 --> 00:57:08,290

we put our own funds out there and on

1300

00:57:13,320 --> 00:57:11,470

the line and you know we we sometimes

1301
00:57:16,020 --> 00:57:13,330
have to absorb our own expenses in order

1302
00:57:17,700 --> 00:57:16,030
to do these sorts of things and there's

1303
00:57:19,110 --> 00:57:17,710
not a lot of money to it so we really

1304
00:57:23,640 --> 00:57:19,120
have to be careful with with those

1305
00:57:25,860 --> 00:57:23,650
resources but that work is definitely

1306
00:57:28,680 --> 00:57:25,870
being done Phillip class I mean if you

1307
00:57:30,120 --> 00:57:28,690
read any Phillip class you know books I

1308
00:57:31,980 --> 00:57:30,130
mean you know there there's a there's a

1309
00:57:33,750 --> 00:57:31,990
perfect example for your listeners if

1310
00:57:35,820 --> 00:57:33,760
they haven't read any books by Phillip

1311
00:57:37,620 --> 00:57:35,830
the class I really strongly suggest that

1312
00:57:41,010 --> 00:57:37,630
they do go out there and read any of his

1313
00:57:43,740 --> 00:57:41,020

books UFOs the the the skeptical

1314

00:57:45,720 --> 00:57:43,750

treatment of UFO investigation has been

1315

00:57:47,970 --> 00:57:45,730

you know was his sweet spot it's what

1316

00:57:52,080 --> 00:57:47,980

you know he'd be half his career sort of

1317

00:57:54,600 --> 00:57:52,090

was centered around it so he's just one

1318

00:57:56,220 --> 00:57:54,610

of again many people who who have done

1319

00:57:57,720 --> 00:57:56,230

this sort of work so yes there are

1320

00:57:58,830 --> 00:57:57,730

people out there doing this legwork I

1321

00:58:00,570 --> 00:57:58,840

can feel a lot of people out there

1322

00:58:02,490 --> 00:58:00,580

cringing right now when you mention

1323

00:58:04,290 --> 00:58:02,500

Phillips name he stepped on a lot of

1324

00:58:06,300 --> 00:58:04,300

toes Evan you've been absolutely

1325

00:58:08,040 --> 00:58:06,310

fantastic you're actually a friendly

1326
00:58:08,410 --> 00:58:08,050
skeptic and I really appreciate having

1327
00:58:13,870 --> 00:58:08,420
you

1328
00:58:15,490 --> 00:58:13,880
one of us to be on the show and it

1329
00:58:17,260 --> 00:58:15,500
really it was my pleasure to represent

1330
00:58:19,720 --> 00:58:17,270
the skeptics guide to the universe and

1331
00:58:21,670 --> 00:58:19,730
if it's okay if people would like some

1332
00:58:25,150 --> 00:58:21,680
more information about our show our

1333
00:58:28,390 --> 00:58:25,160
website is the skeptics guide dot org o

1334
00:58:30,790 --> 00:58:28,400
RG give us you know check us out give us

1335
00:58:32,380 --> 00:58:30,800
a listen and you know we'd love to hear

1336
00:58:35,020 --> 00:58:32,390
everyone's feedback as far as your

1337
00:58:36,370 --> 00:58:35,030
listeners in your community as far as

1338
00:58:38,530 --> 00:58:36,380

what they think about the efforts we're

1339

00:58:40,660 --> 00:58:38,540

putting forth so I appreciate it Martyn

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00:58:42,790 --> 00:58:40,670

very much so that's it for our show

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00:58:45,370 --> 00:58:42,800

today with evan bernstein a couple of

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00:58:48,100 --> 00:58:45,380

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00:58:52,330 --> 00:58:49,010

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00:59:10,870 --> 00:59:08,630

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